| Budget Category:                                |             | Proposed    | Proposed    | Proposed    | Proposed    | TOTAL       |    |
|---|-------------|-------------|-------------|-------------|-------------|-------------|----|
|   | FY 12       | FY 13       | FY 14       | FY 15       | FY 16       | PROPOSED    |    |
|   |             |             |             |             |             |             |    |
| Personnel                                       | \$201,500   | \$377,300   | \$535,700   | \$524,200   | \$518,000   | \$2,156,700 |    |
| Travel  | \$26,800    | \$31,500    | \$47,000    | \$49,700    | \$46,600    | \$201,600   |    |
| Contractual                                     | \$336,960   | \$544,799   | \$406,088   | \$367,616   | \$362,857   | \$2,018,320 | Î. |
| Commodities                                     | \$81,600    | \$33,700    | \$104,100   | \$100,300   | \$67,100    | \$386,800   | ĺ  |
| Equipment                                       | \$187,200   | \$0         | \$0         | \$0         | \$0         | \$187,200   | Î. |
| Indirect Costs ( <i>will vary by proposer</i> ) | \$108,500   | \$173,030   | \$153,170   | \$146,100   | \$144,400   | \$725,200   | Ĩ  |
|   |             |             |             |             |             |             |    |
| SUBTOTAL  | \$942,560   | \$1,160,329 | \$1,246,058 | \$1,187,916 | \$1,138,957 | \$5,675,820 |    |
|   |             |             |             |             |             |             |    |
| General Administration (9% of subtotal)         | \$84,665    | \$102,663   | \$114,104   | \$106,996   | \$102,673   | \$511,101   |    |
| -   |             |             |             |             |             |             |    |
| PROJECT TOTAL                                   | \$1,027,225 | \$1,262,992 | \$1,360,162 | \$1,294,912 | \$1,241,630 | \$6,186,921 |    |
| -   |             |             |             |             |             |             |    |
| Other Resources (Cost Share Funds)              | \$0.0       | \$0.0       | \$0.0       | \$0.0       | \$0.0       | \$0.0       |    |

COMMENTS: All amounts are give in thousands of dollars.

FY12-16

Program Title: PWS Herring Research and Monitoring Team Leader: Pegau

| Budget Category:                        |           | Proposed    | Proposed  | Proposed  | Proposed  | TOTAL       |  |
|---|-----------|-------------|-----------|-----------|-----------|-------------|--|
|   | FY 12     | FY 13       | FY 14     | FY 15     | FY 16     | PROPOSED    |  |
| _                                       |           |             |           |           |           |             |  |
| Personnel                               | \$142,700 | \$338,100   | \$347,800 | \$320,100 | \$327,200 | \$1,475,900 |  |
| Travel                                  | \$19,700  | \$21,500    | \$22,700  | \$19,800  | \$24,200  | \$107,900   |  |
| Contractual                             | \$260,760 | \$419,399   | \$319,088 | \$280,616 | \$275,857 | \$1,555,720 |  |
| Commodities                             | \$67,200  | \$22,400    | \$14,500  | \$17,700  | \$9,900   | \$131,700   |  |
| Equipment                               | \$172,200 | \$0         | \$0       | \$0       | \$0       | \$172,200   |  |
| Indirect Costs (will vary by proposer)  | \$108,500 | \$173,030   | \$153,170 | \$146,100 | \$144,400 | \$725,200   |  |
|   |           |             |           |           |           |             |  |
| SUBTOTAL                                | \$771,060 | \$974,429   | \$857,258 | \$784,316 | \$781,557 | \$4,168,620 |  |
|   |           |             |           |           |           |             |  |
| General Administration (9% of subtotal) | \$69,265  | \$86,063    | \$79,004  | \$70,696  | \$70,473  | \$375,501   |  |
| _                                       |           |             |           |           | •         |             |  |
| PROJECT TOTAL                           | \$840,325 | \$1,060,492 | \$936,262 | \$855,012 | \$852,030 | \$4,544,121 |  |
|   |           |             |           |           |           |             |  |
| Other Resources (Cost Share Funds)      | \$0       | \$0         | \$0       | \$0       | \$0       | \$0         |  |

COMMENTS: All amounts are give in thousands of dollars.

FY12-16

Program Title: PWS Herring Research and Monitoring Team Leader: Pegau

| Budget Category:                                |           | Proposed  | Proposed  | Proposed  | Proposed | TOTAL     |
|---|-----------|-----------|-----------|-----------|----------|-----------|
|   | FY 12     | FY 13     | FY 14     | FY 15     | FY 16    | PROPOSED  |
| _   |           |           |           |           |          |           |
| Personnel                                       | \$0       | \$0       | \$17,500  | \$17,500  | \$0      | \$35,000  |
| Travel  | \$6,000   | \$9,500   | \$7,300   | \$12,900  | \$4,000  | \$39,700  |
| Contractual                                     | \$76,000  | \$125,400 | \$75,000  | \$75,000  | \$75,000 | \$426,400 |
| Commodities                                     | \$10,400  | \$11,300  | \$30,400  | \$30,400  | \$5,000  | \$87,500  |
| Equipment                                       | \$0       | \$0       | \$0       | \$0       | \$0      | \$0       |
| Indirect Costs ( <i>will vary by proposer</i> ) | \$0       | \$0       | \$0       | \$0       | \$0      | \$0       |
|   |           |           |           |           |          |           |
| SUBTOTAL  | \$92,400  | \$146,200 | \$130,200 | \$135,800 | \$84,000 | \$588,600 |
|   |           |           |           |           |          |           |
| General Administration (9% of subtotal)         | \$8,300   | \$13,000  | \$11,800  | \$12,200  | \$7,600  | \$52,900  |
|   |           |           |           |           |          |           |
| PROJECT TOTAL                                   | \$100,700 | \$159,200 | \$142,000 | \$148,000 | \$91,600 | \$641,500 |
| -   |           |           |           |           |          |           |
| Other Resources (Cost Share Funds)              | \$0       | \$0       | \$0       | \$0       | \$0      | \$0       |

COMMENTS: All amounts are give in thousands of dollars.

FY12-16

Program Title: PWS Herring Research and Monitoring Team Leader: Pegau

| Budget Category:                                |          | Proposed | Proposed | Proposed | Proposed | TOTAL     |  |
|---|----------|----------|----------|----------|----------|-----------|--|
|   | FY 12    | FY 13    | FY 14    | FY 15    | FY 16    | PROPOSED  |  |
| _   |          |          |          |          |          |           |  |
| Personnel                                       | \$58,800 | \$39,200 | \$0      | \$0      | \$0      | \$98,000  |  |
| Travel  | \$1,100  | \$500    | \$0      | \$0      | \$0      | \$1,600   |  |
| Contractual                                     | \$200    | \$0      | \$0      | \$0      | \$0      | \$200     |  |
| Commodities                                     | \$4,000  | \$0      | \$13,200 | \$13,200 | \$13,200 | \$43,600  |  |
| Equipment                                       | \$15,000 | \$0      | \$0      | \$0      | \$0      | \$15,000  |  |
| Indirect Costs ( <i>will vary by proposer</i> ) | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       |  |
|   |          |          |          |          |          |           |  |
| SUBTOTAL  | \$79,100 | \$39,700 | \$13,200 | \$13,200 | \$13,200 | \$158,400 |  |
|   |          |          |          |          |          |           |  |
| General Administration (9% of subtotal)         | \$7,100  | \$3,600  | \$1,200  | \$1,200  | \$1,200  | \$14,300  |  |
| _   |          |          |          |          |          |           |  |
| PROJECT TOTAL                                   | \$86,200 | \$43,300 | \$14,400 | \$14,400 | \$14,400 | \$172,700 |  |
|   |          |          |          |          |          |           |  |
| Other Resources (Cost Share Funds)              | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       |  |

COMMENTS: All amounts are give in thousands of dollars.

FY12-16

Program Title: PWS Herring Research and Monitoring Team Leader: Pegau

| Budget Category:                                |       | Proposed    | Proposed  | Proposed  | Proposed  | TOTAL          |
|---|-------|-------------|-----------|-----------|-----------|----------------|
|   | FY 12 | FY 13       | FY 14     | FY 15     | FY 16     | PROPOSED       |
|   |       |             |           |           |           |                |
| Personnel                                       | \$0   | \$0         | \$170,400 | \$186,600 | \$190,800 | \$547,800      |
| Travel  | \$0   | \$0         | \$17,000  | \$17,000  | \$18,400  | \$52,400       |
| Contractual                                     | \$0   | \$0         | \$12,000  | \$12,000  | \$12,000  | \$36,000       |
| Commodities                                     | \$0   | \$0         | \$46,000  | \$39,000  | \$39,000  | \$124,000      |
| Equipment                                       | \$0   | \$0         | \$0       | \$0       | \$0       | \$0            |
| Indirect Costs ( <i>will vary by proposer</i> ) | \$0   | \$0         | \$0       | \$0       | \$0       | \$0            |
| -   |       |             |           |           |           |                |
| SUBTOTAL  | \$0   | \$0         | \$245,400 | \$254,600 | \$260,200 | \$760,200      |
| General Administration (9% of subtotal)         | \$0   | \$0         | \$22,100  | \$22,900  | \$23,400  | \$68,400       |
|   |       | <del></del> | ψ22,100   | ψΖΖ,300   | ψ23,400   | <u>φ00,400</u> |
| PROJECT TOTAL                                   | \$0   | \$0         | \$267,500 | \$277,500 | \$283,600 | \$828,600      |
|   |       |             |           | <b>C</b>  | <b></b>   |                |
| Other Resources (Cost Share Funds)              | \$0   | \$0         | \$0       | \$0       | \$0       | \$0            |

COMMENTS: All amounts are give in thousands of dollars.

FY12-16

Program Title: PWS Herring Research and Monitoring Team Leader: Pegau

| Budget Category:                        |           | Proposed  | Proposed  | Proposed  | Proposed  | TOTAL       |
|---|-----------|-----------|-----------|-----------|-----------|-------------|
|   | FY 12     | FY 13     | FY 14     | FY 15     | FY 16     | PROPOSED    |
|   |           |           |           |           |           |             |
| Personnel                               | \$19,100  | \$27,900  | \$28,700  | \$20,900  | \$21,700  | \$118,300   |
| Travel                                  | \$9,500   | \$4,100   | \$5,000   | \$4,000   | \$8,700   | \$31,300    |
| Contractual                             | \$216,960 | \$375,999 | \$282,188 | \$244,916 | \$243,757 | \$1,363,820 |
| Commodities                             | \$2,300   | \$4,000   | \$2,300   | \$4,400   | \$1,000   | \$14,000    |
| Equipment                               | \$50,500  | \$0       | \$0       | \$0       | \$0       | \$50,500    |
| Indirect Costs (30% TDC)                | \$35,700  | \$56,130  | \$37,770  | \$36,800  | \$35,600  | \$202,000   |
| SUBTOTAL                                | \$334,060 | \$468,129 | \$355,958 | \$311,016 | \$310,757 | \$1,779,920 |
| -                                       |           |           |           |           |           |             |
| General Administration (9% of subtotal) | \$30,065  | \$40,306  | \$33,861  | \$27,996  | \$27,973  | \$160,201   |
|   |           |           |           |           |           |             |
| PROJECT TOTAL                           | \$364,125 | \$508,435 | \$389,819 | \$339,012 | \$338,730 | \$1,940,121 |
|   |           |           |           |           |           |             |
| Other Resources (Cost Share Funds)      | \$0       | \$0       | \$0       | \$0       | \$0       | \$0         |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title: PWS herring: Coordination Team Leader: Pegau

FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs:     |               | Months   | Monthly |               | Personnel  |
|----------------------|---------------|----------|---------|---------------|------------|
| Name                 | Project Title | Budgeted | Costs   | Overtime      | Sum        |
| Pegau                | Coordinator   | 1.0      | 11300.0 |               | 11,300.0   |
| TBD                  | Assistant     | 2.0      | 8300.0  |               | 16,600.0   |
|                      |               |          |         |               | 0.0        |
|                      |               |          |         |               | 0.0        |
|                      |               |          |         |               | 0.0        |
|                      |               |          |         |               | 0.0        |
|                      |               |          |         |               | 0.0        |
|                      |               |          |         |               | 0.0        |
|                      |               |          |         |               | 0.0        |
|                      |               |          |         |               | 0.0        |
|                      |               |          |         |               | 0.0        |
|                      |               |          |         |               | 0.0        |
| Subtotal 19600.0 0.0 |               |          |         |               |            |
|                      |               |          | Pe      | rsonnel Total | \$27,900.0 |

| Travel Costs:            | Ticket | Round | Total | Daily        | Travel    |
|--------------------------|--------|-------|-------|--------------|-----------|
| Description              | Price  | Trips | Days  | Per Diem     | Sum       |
| Advisory group travel    | 800.0  | 3     | 2     | 200.0        | 2,800.0   |
| Marine Science Symposium | 500.0  | 1     | 4     | 200.0        | 1,300.0   |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       | Travel Total | \$4,100.0 |

Program Title: PWS herring: Coordination Team Leader: Pegau

| Contractual Costs:  | Contract    |
|---|-------------|
| Description   | Sum         |
| Information technology (Network and software)   | 300.0       |
| printing/mailing/copying  | 1,700.0     |
| Communication (phone, fax)  | 300.0       |
| CDFU fishing effort   | 35,000.0    |
| Vessel charters 38 days at \$2600/day   | 98,800.0    |
| Data Management   | 120,000.0   |
| Modeling  | 79,829.0    |
| Non Lethal sampling (Boswell, separate budget sheet provided in this workbook)                                      | 40,070.0    |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$375,999.0 |

| Commodities Costs:   | Commodities |
|----------------------|-------------|
| Description          | Sum         |
| misc office supplies | 2,000.0     |
| misc cruise supplies | 2,000.0     |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
| Commodities Total    | \$4,000.0   |

FY13

Program Title: PWS herring: Coordination Team Leader: Pegau

FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
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|  |          |                     |
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|  |          |                     |
|  |          |                     |



Program Title: PWS herring: Coordination Team Leader: Pegau

| Personnel Costs:  |               | Months   | Monthly |            | Personnel |
|-------------------|---------------|----------|---------|------------|-----------|
| Name              | Project Title | Budgeted | Costs   | Overtime   | Sum       |
| Pegau             | Coordinator   | 1.0      | 11.5    |            | 11,500.0  |
| TBD               | Assistant     | 2.0      | 8.6     |            | 17,200.0  |
|                   |               |          |         |            | 0.0       |
|                   |               |          |         |            | 0.0       |
|                   |               |          |         |            | 0.0       |
|                   |               |          |         |            | 0.0       |
|                   |               |          |         |            | 0.0       |
|                   |               |          |         |            | 0.0       |
|                   |               |          |         |            | 0.0       |
|                   |               |          |         |            | 0.0       |
|                   |               |          |         |            | 0.0       |
|                   |               |          |         |            | 0.0       |
| Subtotal 20.1 0.0 |               |          |         |            |           |
| Personnel Total   |               |          |         | \$28,700.0 |           |

| Travel Costs:            | Ticket | Round | Total | Daily     | Travel  |
|--------------------------|--------|-------|-------|-----------|---------|
| Description              | Price  | Trips | Days  | Per Diem  | Sum     |
| Advisory group travel    | 800.0  | 3     | 2     | 200.0     | ,       |
| Marine Science Symposium | 400.0  | 1     | 4     | 200.0     | 1,200.0 |
| P.I. to EVOSTC meeting   | 400.0  | 1     | 3     | 200.0     | 1,000.0 |
|                          |        |       |       |           | 0.0     |
|                          |        |       |       |           | 0.0     |
|                          |        |       |       |           | 0.0     |
|                          |        |       |       |           | 0.0     |
|                          |        |       |       |           | 0.0     |
|                          |        |       |       |           | 0.0     |
|                          |        |       |       |           | 0.0     |
|                          |        |       |       |           | 0.0     |
| Travel Total             |        |       |       | \$5,000.0 |         |

Program Title: PWS herring: Coordination Team Leader: Pegau

| Contractual Costs:  | Contract    |
|---|-------------|
| Description   | Sum         |
| Information technology  | 300.0       |
| printing/mailing/copying  | 1,000.0     |
| Communication (phone, fax)  | 200.0       |
| CDFU fishing effort   | 35,000.0    |
| Vessel charters 40 days at \$2600/day   | 88,400.0    |
| Data Management   | 20,500.0    |
| Non-Lethal collection (Boswell)   | 47,030.0    |
| modeling  | 89,758.0    |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$282,188.0 |

| Commodities Costs:   | Commodities |
|----------------------|-------------|
| Description          | Sum         |
| misc office supplies | 1,300.0     |
| misc cruise supplies | 1,000.0     |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
| Commodities Total    | \$2,300.0   |

FY14

Program Title: PWS herring: Coordination Team Leader: Pegau

FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
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|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |



Program Title: PWS herring: Coordination Team Leader: Pegau

| Personnel Costs:     |               | Months   | Monthly |            | Personnel |
|----------------------|---------------|----------|---------|------------|-----------|
| Name                 | Project Title | Budgeted | Costs   | Overtime   | Sum       |
| Pegau                | Coordinator   | 1.0      | 12000.0 |            | 12,000.0  |
| TBD                  | Assistant     | 1.0      | 8900.0  |            | 8,900.0   |
|                      |               |          |         |            | 0.0       |
|                      |               |          |         |            | 0.0       |
|                      |               |          |         |            | 0.0       |
|                      |               |          |         |            | 0.0       |
|                      |               |          |         |            | 0.0       |
|                      |               |          |         |            | 0.0       |
|                      |               |          |         |            | 0.0       |
|                      |               |          |         |            | 0.0       |
|                      |               |          |         |            | 0.0       |
|                      |               |          |         |            | 0.0       |
| Subtotal 20900.0 0.0 |               |          |         |            |           |
| Personnel Total      |               |          |         | \$20,900.0 |           |

| Travel Costs:            | Ticket | Round | Total | Daily        | Travel    |
|--------------------------|--------|-------|-------|--------------|-----------|
| Description              | Price  | Trips | Days  | Per Diem     | Sum       |
| Advisory group travel    | 800.0  | 3     | 2     | 200.0        | 2,800.0   |
| Marine Science Symposium | 400.0  | 1     | 4     | 200.0        | 1,200.0   |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       |              | 0.0       |
|                          |        |       |       | Travel Total | \$4,000.0 |

Program Title: PWS herring: Coordination Team Leader: Pegau

| Contractual Costs:  | Contract    |
|---|-------------|
| Description   | Sum         |
| Information technology (Network and software)   | 300.0       |
| printing/mailing/copying  | 1,000.0     |
| Communication (phone, fax)  | 400.0       |
| CDFU fishing effort   | 38,000.0    |
| Vessel charters 34 days at \$2700/day   | 91,800.0    |
| Data management   | 21,300.0    |
| modeling  | 92,116.0    |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$244,916.0 |

| Commodities Costs:   | Commodities |
|----------------------|-------------|
| Description          | Sum         |
| misc office supplies | 2,400.0     |
| misc cruise supplies | 2,000.0     |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
| Commodities Total    | \$4,400.0   |

FY15

Program Title: PWS herring: Coordination Team Leader: Pegau

FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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Program Title: PWS herring: Coordination Team Leader: Pegau

| Personnel Costs:     |               | Months   | Monthly |          | Personnel  |
|----------------------|---------------|----------|---------|----------|------------|
| Name                 | Project Title | Budgeted | Costs   | Overtime | Sum        |
| Pegau                | Coordinator   | 1.0      | 12400.0 |          | 12,400.0   |
| TBD                  | Assistant     | 1.0      | 9300.0  |          | 9,300.0    |
|                      |               |          |         |          | 0.0        |
|                      |               |          |         |          | 0.0        |
|                      |               |          |         |          | 0.0        |
|                      |               |          |         |          | 0.0        |
|                      |               |          |         |          | 0.0        |
|                      |               |          |         |          | 0.0        |
|                      |               |          |         |          | 0.0        |
|                      |               |          |         |          | 0.0        |
|                      |               |          |         |          | 0.0        |
|                      |               |          |         |          | 0.0        |
| Subtotal 21700.0 0.0 |               |          |         |          |            |
| Personnel Total      |               |          |         |          | \$21,700.0 |

| Travel Costs:                        | Ticket | Round | Total | Daily        | Travel    |
|--------------------------------------|--------|-------|-------|--------------|-----------|
| Description                          | Price  | Trips | Days  | Per Diem     | Sum       |
| Advisory group travel                | 800.0  | 3     | 2     | 250.0        | 2,900.0   |
| Marine Science Symposium             | 500.0  | 1     | 4     | 200.0        | 1,300.0   |
| PI meeting with Long-Term Monitoring | 500.0  | 5     | 10    | 200.0        | 4,500.0   |
|                                      |        |       |       |              | 0.0       |
|                                      |        |       |       |              | 0.0       |
|                                      |        |       |       |              | 0.0       |
|                                      |        |       |       |              | 0.0       |
|                                      |        |       |       |              | 0.0       |
|                                      |        |       |       |              | 0.0       |
|                                      |        |       |       |              | 0.0       |
|                                      |        |       |       |              | 0.0       |
|                                      |        |       |       | Travel Total | \$8,700.0 |

Program Title: PWS herring: Coordination Team Leader: Pegau

| Contractual Costs:  | Contract    |
|---|-------------|
| Description   | Sum         |
| Information technology  | 200.0       |
| printing/mailing/copying  | 500.0       |
| Communication (phone, fax)  | 300.0       |
| CDFU fishing effort   | 38,000.0    |
| Vessel charters 32 days at \$2700/day   | 86,400.0    |
| Data Managemetn   | 22,000.0    |
| modeling  | 96,357.0    |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$243,757.0 |

| Commodities Costs:   | Commodities |
|----------------------|-------------|
| Description          | Sum         |
| misc office supplies | 1,000.0     |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
| Commodities Total    | \$1,000.0   |

FY16

Program Title: PWS herring: Coordination Team Leader: Pegau

FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
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Program Title: PWS herring: Coordination Team Leader: Pegau

| Budget Category:                        |          | Proposed    | Proposed | Proposed | Proposed | TOTAL     |
|---|----------|-------------|----------|----------|----------|-----------|
|   | FY 12    | FY 13       | FY 14    | FY 15    | FY 16    | PROPOSED  |
| _                                       |          |             |          |          |          |           |
| Personnel                               | \$2,800  | \$16,300    | \$16,800 | \$18,900 | \$22,900 | \$77,700  |
| Travel                                  | \$1,400  | \$1,800     | \$3,600  | \$2,500  | \$2,000  | \$11,300  |
| Contractual                             | \$400    | \$2,000     | \$800    | \$2,100  | \$1,000  | \$6,300   |
| Commodities                             | \$7,000  | \$1,400     | \$1,900  | \$1,900  | \$1,100  | \$13,300  |
| Equipment                               | \$0      | \$0         | \$0      | \$0      | \$0      | \$0       |
| Indirect Costs (30%)                    | \$3,500  | \$6,500     | \$6,900  | \$7,600  | \$8,100  | \$32,600  |
| SUBTOTAL                                | \$15,100 | \$28,000    | \$30,000 | \$33,000 | \$35,100 | \$141,200 |
|   |          |             |          |          |          |           |
| General Administration (9% of subtotal) | \$1,400  | \$2,500     | \$2,700  | \$3,000  | \$3,200  | \$12,800  |
|   |          |             |          |          |          |           |
|   | \$16,500 | \$30,500    | \$32,700 | \$36,000 | \$38,300 | \$154,000 |
|   |          |             |          |          |          |           |
| Other Resources (Cost Share Funds)      | \$0      | <b>\$</b> 0 | \$0      | \$0      | \$0      | \$0       |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title: Outreach Team Leader: Butters

FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs:     |                       | Months   | Monthly |          | Personnel  |
|----------------------|-----------------------|----------|---------|----------|------------|
| Name                 | Project Title         | Budgeted | Costs   | Overtime | Sum        |
| Lindsay Butters, PI  | Education Coordinator | 2.0      | 5700.0  |          | 11,400.0   |
| Education Specialist | Education Specialist  | 1.0      | 4900.0  |          | 4,900.0    |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
| Subtotal 10600.0 0.0 |                       |          |         |          |            |
| Personnel Total      |                       |          |         |          | \$16,300.0 |

| Travel Costs:  | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description  | Price  | Trips | Days  | Per Diem     | Sum       |
| Meeting Travel (Anchorage)                             | 400.0  | 1     | 3     | 200.0        | 1,000.0   |
| Education Travel (program delivery outside of Cordova) | 200.0  | 2     | 4     | 100.0        | 800.0     |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$1,800.0 |

FY13

Program Title: Outreach Team Leader: Butters

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| Networking (\$100/person-month)   | 300.0     |
| Communications (\$100/person-month)   | 300.0     |
| Printing/shipping   | 200.0     |
| Delta Sound Connections publication printing  | 1,200.0   |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$2,000.0 |

|                                | Commodities |
|--------------------------------|-------------|
| Description                    | Sum         |
| Teaching and Outreach Supplies | 1,400.0     |
|                                |             |
|                                |             |
|                                |             |
|                                |             |
|                                |             |
|                                |             |
|                                |             |
|                                |             |
|                                |             |
|                                |             |
| Commodities Tota               | I \$1,400.0 |

FORM 3B **CONTRACTUAL &** COMMODITIES DETAIL

FY13

Program Title: Outreach Team Leader: Butters

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |

FY13

Program Title: Outreach Team Leader: Butters

| Personnel Costs:     |                       | Months   | Monthly |               | Personnel  |
|----------------------|-----------------------|----------|---------|---------------|------------|
| Name                 | Project Title         | Budgeted | Costs   | Overtime      | Sum        |
| Lindsay Butters, PI  | Education Coordinator | 2.0      | 5900.0  |               | 11,800.0   |
| Education Specialist | Education Specialist  | 1.0      | 5000.0  |               | 5,000.0    |
|                      |                       |          |         |               | 0.0        |
|                      |                       |          |         |               | 0.0        |
|                      |                       |          |         |               | 0.0        |
|                      |                       |          |         |               | 0.0        |
|                      |                       |          |         |               | 0.0        |
|                      |                       |          |         |               | 0.0        |
|                      |                       |          |         |               | 0.0        |
|                      |                       |          |         |               | 0.0        |
|                      |                       |          |         |               | 0.0        |
|                      |                       |          |         |               | 0.0        |
|                      |                       | Subtotal | 10900.0 |               |            |
|                      |                       |          | Pe      | rsonnel Total | \$16,800.0 |

| Travel Costs:  | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description  | Price  | Trips | Days  | Per Diem     | Sum       |
| Meeting Travel (Anchorage)                             | 500.0  | 2     | 6     | 200.0        | 2,200.0   |
| Education Travel (program delivery outside of Cordova) | 300.0  | 2     | 4     | 200.0        | 1,400.0   |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$3,600.0 |

FY14

Program Title: Outreach Team Leader: Butters

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
| Networking (\$100/person-month)   | 300.0    |
| Communications (\$100/person-month)   | 300.0    |
| Printing/shipping   | 200.0    |
|   |          |
|   |          |
|   |          |
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|   |          |
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|   |          |
|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$800.0  |

|                                | Commodities        |
|--------------------------------|--------------------|
| Description                    | Sum                |
| Teaching and Outreach Supplies | 1,900.0            |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
| Commodities Tota               | <b>I</b> \$1,900.0 |

FORM 3B **CONTRACTUAL &** COMMODITIES DETAIL

FY14

Program Title: Outreach Team Leader: Butters

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |

FY14

Program Title: Outreach Team Leader: Butters

| Personnel Costs:     |                       | Months   | Monthly |          | Personnel  |
|----------------------|-----------------------|----------|---------|----------|------------|
| Name                 | Project Title         | Budgeted | Costs   | Overtime | Sum        |
| Lindsay Butters, PI  | Education Coordinator | 2.0      | 6500.0  |          | 13,000.0   |
| Education Specialist | Education Specialist  | 1.0      | 5900.0  |          | 5,900.0    |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       |          |         |          | 0.0        |
|                      |                       | Subtotal | 12400.0 |          |            |
|                      | Personnel Total \$    |          |         |          | \$18,900.0 |

| Travel Costs:  | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description  | Price  | Trips | Days  | Per Diem     | Sum       |
| Meeting Travel (Anchorage)                             | 500.0  | 1     | 3     | 200.0        | 1,100.0   |
| Education Travel (program delivery outside of Cordova) | 300.0  | 2     | 4     | 200.0        | 1,400.0   |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$2,500.0 |

FY15

Program Title: Outreach Team Leader: Butters

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| Networking (\$100/person-month)   | 300.0     |
| Communications (\$100/person-month)   | 300.0     |
| Printing/shipping   | 300.0     |
| Delta Sound Connections publication printing  | 1,200.0   |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$2,100.0 |

|                                | Commodities        |
|--------------------------------|--------------------|
| Description                    | Sum                |
| Teaching and Outreach Supplies | 1,900.0            |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
| Commodities Tota               | <b>I</b> \$1,900.0 |

FORM 3B **CONTRACTUAL &** COMMODITIES DETAIL

FY15

Program Title: Outreach Team Leader: Butters

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |

FY15

Program Title: Outreach Team Leader: Butters

| Personnel Costs:     |                       | Months   | Monthly |                | Personnel  |
|----------------------|-----------------------|----------|---------|----------------|------------|
| Name                 | Project Title         | Budgeted | Costs   | Overtime       | Sum        |
| Lindsay Butters, PI  | Education Coordinator | 2.5      | 6520.0  |                | 16,300.0   |
| Education Specialist | Education Specialist  | 1.2      | 5500.0  |                | 6,600.0    |
|                      |                       |          |         |                | 0.0        |
|                      |                       |          |         |                | 0.0        |
|                      |                       |          |         |                | 0.0        |
|                      |                       |          |         |                | 0.0        |
|                      |                       |          |         |                | 0.0        |
|                      |                       |          |         |                | 0.0        |
|                      |                       |          |         |                | 0.0        |
|                      |                       |          |         |                | 0.0        |
|                      |                       |          |         |                | 0.0        |
|                      |                       |          |         |                | 0.0        |
|                      |                       | Subtotal | 12020.0 |                |            |
|                      |                       |          | Pe      | ersonnel Total | \$22,900.0 |

| Travel Costs:  | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description  | Price  | Trips | Days  | Per Diem     | Sum       |
| Meeting Travel (Anchorage)                             | 500.0  | 1     | 3     | 200.0        | 1,100.0   |
| Education Travel (program delivery outside of Cordova) | 300.0  | 1     | 3     | 200.0        | 900.0     |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$2,000.0 |

FY16

Program Title: Outreach Team Leader: Butters

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| Networking (\$100/person-month)   | 400.0     |
| Communications (\$100/person-month)   | 400.0     |
| Printing/shipping   | 200.0     |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$1,000.0 |

| Commodities Costs:             | Commodities        |
|--------------------------------|--------------------|
| Description                    | Sum                |
| Teaching and Outreach Supplies | 1,100.0            |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
|                                |                    |
| Commodities Tota               | <b>I</b> \$1,100.0 |

FORM 3B **CONTRACTUAL &** COMMODITIES DETAIL

**FY16** 

Program Title: Outreach Team Leader: Butters

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |
|  |          |           |

FY16

Program Title: Outreach Team Leader: Butters

| Budget Category:                        |       | Proposed  | Proposed  | Proposed  | Proposed  | TOTAL     |
|---|-------|-----------|-----------|-----------|-----------|-----------|
|   | FY 12 | FY 13     | FY 14     | FY 15     | FY 16     | PROPOSED  |
| _                                       |       |           |           |           |           |           |
| Personnel                               | \$0   |           | \$67,300  | \$70,000  | \$72,800  | \$274,800 |
| Travel                                  | \$0   | \$3,000   | \$5,900   | \$5,900   | \$6,100   | \$20,900  |
| Contractual                             | \$0   | \$24,800  | \$25,600  | \$26,300  | \$28,900  | \$105,600 |
| Commodities                             | \$0   | \$7,500   | \$5,000   | \$8,300   | \$6,700   | \$27,500  |
| Equipment                               | \$0   | \$0       | \$0       | \$0       | \$0       | \$0       |
| Indirect @ 30% MTDC                     | \$0   | \$30,000  | \$31,200  | \$33,200  | \$34,400  | \$128,800 |
| SUBTOTAL                                | \$0   | \$130,000 | \$135,000 | \$143,700 | \$148,900 | \$557,600 |
| -                                       |       |           |           |           |           |           |
| General Administration (9% of subtotal) | \$0   | \$11,700  | \$12,200  | \$12,900  | \$13,400  | \$50,200  |
|   |       |           |           |           |           |           |
| PROJECT TOTAL                           | \$0   | \$141,700 | \$147,200 | \$156,600 | \$162,300 | \$607,800 |
|   |       |           |           |           |           |           |
| Other Resources (Cost Share Funds)      | \$0   | \$0       | \$0       | \$0       | \$0       | \$0       |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs: |                              | Months   | Monthly |          | Personnel  |
|------------------|------------------------------|----------|---------|----------|------------|
| Name             | Project Title                | Budgeted | Costs   | Overtime | Sum        |
| T. Kline         | Herring Condition Monitoring | 3.0      | 11166.7 |          | 33500.0    |
| Tech to be named | Herring Condition Monitoring | 6.0      | 5200.0  |          | 31200.0    |
|                  |                              |          |         |          | 0.0        |
|                  |                              |          |         |          | 0.0        |
|                  |                              |          |         |          | 0.0        |
|                  |                              |          |         |          | 0.0        |
|                  |                              |          |         |          | 0.0        |
|                  |                              |          |         |          | 0.0        |
|                  |                              |          |         |          | 0.0        |
|                  |                              |          |         |          | 0.0        |
|                  |                              |          |         |          | 0.0        |
|                  |                              |          |         |          | 0.0        |
|                  |                              | Subtotal | 16366.7 | 0.0      |            |
| Personnel Total  |                              |          |         |          | \$64,700.0 |

| Travel Costs:     | Ticket | Round | Total | Daily        | Travel    |
|-------------------|--------|-------|-------|--------------|-----------|
| Description       | Price  | Trips | Days  | Per Diem     | Sum       |
| January Symposium | 400.0  | 1     | 4     | 200.0        | 1,200.0   |
| Workshop          | 1000.0 | 1     | 4     | 200.0        | 1,800.0   |
|                   |        |       |       |              | 0.0       |
|                   |        |       |       |              | 0.0       |
|                   |        |       |       |              | 0.0       |
|                   |        |       |       |              | 0.0       |
|                   |        |       |       |              | 0.0       |
|                   |        |       |       |              | 0.0       |
|                   |        |       |       |              | 0.0       |
|                   |        |       |       |              | 0.0       |
|                   |        |       |       |              | 0.0       |
|                   |        |       |       | Travel Total | \$3,000.0 |

FY13

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3B PERSONNEL & TRAVEL DETAIL

Contractual Costs:

Contract

| Description   |                   | Sum        |
|---|-------------------|------------|
| PWSSC Network charge 9 @ \$100  |                   | 900.0      |
| Mass spectrometry 800 @ \$25  |                   | 20,000.0   |
| Freeze drying 800 @ \$3   |                   | 2,400.0    |
| Printing, copying, shipping   |                   | 500.0      |
| Communications (fax and phone)  |                   | 500.0      |
| Software  |                   | 500.0      |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
| If a companent of the project will be performed under contract, the 4A and 4P forms are required  | Contractual Total | ¢24,800,0  |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$24,800.0 |

| Commodities Costs:  | Commodities |
|---------------------|-------------|
| Description         | Sum         |
| Office supplies     | 500.0       |
| Sampling supplies   | 3,500.0     |
| Laboratory supplies | 3,500.0     |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     | <u> </u>    |
| Commodities Total   | \$7,500.0   |

|   | FY13               | Project Title: Herring Condition Monitoring<br>Project PI: Kline |        | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |           |
|---|--------------------|--|--------|--|-----------|
| 1 |                    |  |        |  |           |
|   | New Equipment Purc | hases:   | Number | Unit   | Equipment |

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |

|        |               | 0.0   |
|--------|---------------|-------|
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
|        |               | 0.0   |
| New Eq | uipment Total | \$0.0 |

| Existing Equipment Usage:<br>Description | Number<br>of Units |  |
|--|--------------------|--|
|  |                    |  |
|  |                    |  |
|  |                    |  |
|  |                    |  |
|  |                    |  |
|  |                    |  |
|  |                    |  |
|  |                    |  |

| FY13             | Project Title: Herring Condition Moni<br>Project PI: Kline | Project Title: Herring Condition Monitoring<br>Project PI: Kline |           | FOR<br>EQUIPMEN |           |
|------------------|--|--|-----------|-----------------|-----------|
| Personnel Costs: |  | Months   | Monthly   |                 | Personnel |
| Name             | Project Title  | Budgeted   | Costs     | Overtime        | Sum       |
| T. Kline         | Herring Condition Monitoring                               | 3.0  | ) 11451.3 |                 | 34,354.0  |

| Tech to be named | Herring Condition Monitoring | 6.0      | 5491.0  |  | 32,946.0   |
|------------------|------------------------------|----------|---------|--|------------|
|                  |                              |          |         |  | 0.0        |
|                  |                              |          |         |  | 0.0        |
|                  |                              |          |         |  | 0.0        |
|                  |                              |          |         |  | 0.0        |
|                  |                              |          |         |  | 0.0        |
|                  |                              |          |         |  | 0.0        |
|                  |                              |          |         |  | 0.0        |
|                  |                              |          |         |  | 0.0        |
|                  |                              |          |         |  | 0.0        |
|                  |                              |          |         |  | 0.0        |
|                  |                              | Subtotal | 16942.3 |  |            |
| Personnel Total  |                              |          |         |  | \$67,300.0 |

| Travel Costs:                     | Ticket | Round | Total | Daily        | Travel    |
|-----------------------------------|--------|-------|-------|--------------|-----------|
| Description                       | Price  | Trips | Days  | Per Diem     | Sum       |
| January Symposium                 | 500.0  |       | 4     | 200.0        | 1,300.0   |
| Workshop                          | 1100.0 | 1     | 4     | 200.0        | 1,900.0   |
| Scientific Meeting                | 1500.0 | 1     | 6     | 200.0        | 2,700.0   |
| registration added to ticket cost |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       | Travel Total | \$5,900.0 |

FY14

Project Title: Herring Condition Monitoring Project PI: Kline

| Contractual Costs:  |                   | Contract   |
|---|-------------------|------------|
| Description   |                   | Sum        |
| PWSSC Network charge 9 @ \$100  |                   | 900.0      |
| Mass spectrometry 800 @ \$26  |                   | 20,800.0   |
| Freeze drying 800 @ \$3   |                   | 2,400.0    |
| Printing, copying, shipping   |                   | 500.0      |
| Communications (fax and phone)  |                   | 500.0      |
| Software  |                   | 500.0      |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$25,600.0 |

| Commodities Costs:  | Commodities |
|---------------------|-------------|
| Description         | Sum         |
| Office supplies     | 500.0       |
| Sampling supplies   | 2,300.0     |
| Laboratory supplies | 2,200.0     |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
| Commodities Total   | \$5,000.0   |

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage: | Number   | Inventory |
|---------------------------|----------|-----------|
| Description               | of Units | Agency    |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
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|                           |          |           |
|                           |          |           |
|                           |          |           |

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3B EQUIPMENT DETAIL

**FY14** 

| Personnel Costs: |                              | Months   | Monthly    |          | Personnel |
|------------------|------------------------------|----------|------------|----------|-----------|
| Name             | Project Title                | Budgeted | Costs      | Overtime | Sum       |
| T. Kline         | Herring Condition Monitoring | 3.0      | 11801.3    |          | 35,404.0  |
| Tech to be named | Herring Condition Monitoring | 6.0      | 5766.0     |          | 34,596.0  |
|                  |                              |          |            |          | 0.0       |
|                  |                              |          |            |          | 0.0       |
|                  |                              |          |            |          | 0.0       |
|                  |                              |          |            |          | 0.0       |
|                  |                              |          |            |          | 0.0       |
|                  |                              |          |            |          | 0.0       |
|                  |                              |          |            |          | 0.0       |
|                  |                              |          |            |          | 0.0       |
|                  |                              |          |            |          | 0.0       |
|                  |                              |          |            |          | 0.0       |
|                  |                              | Subtotal | 17567.3    | 0.0      |           |
| Personnel Total  |                              |          | \$70,000.0 |          |           |

| Travel Costs:                     | Ticket | Round | Total | Daily        | Travel    |
|-----------------------------------|--------|-------|-------|--------------|-----------|
| Description                       | Price  | Trips | Days  | Per Diem     | Sum       |
| January Symposium                 | 400.0  | 1     | 4     | 200.0        | 1,200.0   |
| Workshop                          | 1200.0 | 1     | 4     | 200.0        | 2,000.0   |
| Scientific Meeting                | 1500.0 | 1     | 6     | 200.0        | 2,700.0   |
| registration added to ticket cost |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       | Travel Total | \$5,900.0 |

FY15

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  |                   | Contract   |
|---|-------------------|------------|
| Description   |                   | Sum        |
| PWSSC Network charge 9 @ \$100  |                   | 900.0      |
| Mass spectrometry 800 @ \$27  |                   | 21,600.0   |
| Freeze drying 800 @ \$3   |                   | 2,400.0    |
| Printing, copying, shipping   |                   | 400.0      |
| Communications (fax and phone)  |                   | 500.0      |
| Software  |                   | 500.0      |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$26,300.0 |
| in a component of the project will be performed under contract, the 4A and 4D forms are required. | Contractual Total | φ20,300.0  |

| Commodities Costs:  | Commodities |
|---------------------|-------------|
| Description         | Sum         |
| Office supplies     | 3,600.0     |
| Sampling supplies   | 2,300.0     |
| Laboratory supplies | 2,400.0     |
|                     |             |
|                     | P           |
|                     | <b>  </b>   |
|                     | <b> </b>    |
|                     | <u> </u>    |
|                     |             |
|                     |             |
| Commodities Total   | \$8,300.0   |

FY15

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage: | Number   | Inventory |
|---------------------------|----------|-----------|
| Description               | of Units | Agency    |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
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|                           |          |           |
|                           |          |           |
|                           |          |           |

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3B EQUIPMENT DETAIL

FY15

| Personnel Costs: |                              | Months   | Monthly |            | Personnel |
|------------------|------------------------------|----------|---------|------------|-----------|
| Name             | Project Title                | Budgeted | Costs   | Overtime   | Sum       |
| T. Kline         | Herring Condition Monitoring | 3.0      | 12150.7 |            | 36,452.0  |
| Tech to be named | Herring Condition Monitoring | 6.0      | 6058.0  |            | 36,348.0  |
|                  |                              |          |         |            | 0.0       |
|                  |                              |          |         |            | 0.0       |
|                  |                              |          |         |            | 0.0       |
|                  |                              |          |         |            | 0.0       |
|                  |                              |          |         |            | 0.0       |
|                  |                              |          |         |            | 0.0       |
|                  |                              |          |         |            | 0.0       |
|                  |                              |          |         |            | 0.0       |
|                  |                              |          |         |            | 0.0       |
|                  |                              |          |         |            | 0.0       |
|                  |                              | Subtotal | 18208.7 | 0.0        |           |
| Personnel Total  |                              |          |         | \$72,800.0 |           |

| Travel Costs:                     | Ticket | Round | Total | Daily        | Travel    |
|-----------------------------------|--------|-------|-------|--------------|-----------|
| Description                       | Price  | Trips | Days  | Per Diem     | Sum       |
| January Symposium                 | 400.0  | 1     | 4     | 200.0        | 1,200.0   |
| Workshop                          | 1300.0 | 1     | 4     | 200.0        | 2,100.0   |
| Scientific Meeting                | 1600.0 | 1     | 6     | 200.0        | 2,800.0   |
| registration added to ticket cost |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       |              | 0.0       |
|                                   |        |       |       | Travel Total | \$6,100.0 |

FY16

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  |                   | Contract   |
|---|-------------------|------------|
| Description   |                   | Sum        |
| PWSSC Network charge 9 @ \$100  |                   | 800.0      |
| Mass spectrometry 1000 @ \$30   |                   | 24,000.0   |
| Freeze drying 1000 @ \$3  |                   | 2,400.0    |
| Printing, copying, shipping   |                   | 700.0      |
| Communications (fax and phone)  |                   | 500.0      |
| Software  |                   | 500.0      |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$28,900.0 |

| Commodities Costs:  | Commodities |
|---------------------|-------------|
| Description         | Sum         |
| Office supplies     | 800.0       |
| Sampling supplies   | 3,000.0     |
| Laboratory supplies | 2,900.0     |
|                     |             |
|                     |             |
|                     | ļ           |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
| Commodities Total   | \$6,700.0   |

FY16

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage: | Number   | Inventory |
|---------------------------|----------|-----------|
| Description               | of Units | Agency    |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |

Project Title: Herring Condition Monitoring Project PI: Kline FORM 3B EQUIPMENT DETAIL

**FY16** 

| Budget Category:                        |           | Proposed    | Proposed | Proposed | Proposed | TOTAL     |  |
|---|-----------|-------------|----------|----------|----------|-----------|--|
|   | FY 12     | FY 13       | FY 14    | FY 15    | FY 16    | PROPOSED  |  |
| _                                       |           |             |          |          |          |           |  |
| Personnel                               | \$64,800  | \$41,200    | \$13,700 | \$0      | \$0      | \$119,700 |  |
| Travel                                  | \$2,700   | \$2,700     | \$0      | \$0      | \$0      | \$5,400   |  |
| Contractual                             | \$41,600  | \$8,500     | \$700    | \$0      | \$0      | \$50,800  |  |
| Commodities                             | \$13,900  | \$2,200     | \$0      | \$0      | \$0      | \$16,100  |  |
| Equipment                               | \$0       | \$0         | \$0      | \$0      | \$0      | \$0       |  |
| Indirect @ 30% MTDC                     | \$36,900  | \$16,300    | \$4,300  | \$0      | \$0      | \$57,500  |  |
| SUBTOTAL                                | \$159,900 | \$70,900    | \$18,700 | \$0      | \$0      | \$249,500 |  |
|   |           |             |          |          |          |           |  |
| General Administration (9% of subtotal) | \$14,400  | \$6,400     | \$1,700  | \$0      | \$0      | \$22,500  |  |
|   |           |             |          |          |          |           |  |
| PROJECT TOTAL                           | \$174,300 | \$77,300    | \$20,400 | \$0      | \$0      | \$272,000 |  |
|   |           |             |          |          |          |           |  |
| Other Resources (Cost Share Funds)      | \$0       | <b>\$</b> 0 | \$0      | \$0      | \$0      | \$0       |  |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Project Title: A high temporal and spatial resolution study to validate the separate herring condition monitoring program Project PI:Kline

FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs: |                 | Months   | Monthly   |          | Personnel  |
|------------------|-----------------|----------|-----------|----------|------------|
| Name             | Project Title   | Budgeted | Costs     | Overtime | Sum        |
| T. Kline         | High resolution | 3.0      | 11133.333 |          | 33,400.0   |
| Tech to be named | High resolution | 1.5      | 5200      |          | 7,800.0    |
|                  |                 |          |           |          | 0.0        |
|                  |                 |          |           |          | 0.0        |
|                  |                 |          |           |          | 0.0        |
|                  |                 |          |           |          | 0.0        |
|                  |                 |          |           |          | 0.0        |
|                  |                 |          |           |          | 0.0        |
|                  |                 |          |           |          | 0.0        |
|                  |                 |          |           |          | 0.0        |
|                  |                 |          |           |          | 0.0        |
|                  |                 |          |           |          | 0.0        |
|                  |                 | Subtotal | 16333.3   | 0.0      |            |
| Personnel Total  |                 |          |           |          | \$41,200.0 |

| Travel Costs:                | Ticket | Round | Total | Daily        | Travel    |
|------------------------------|--------|-------|-------|--------------|-----------|
| Description                  | Price  | Trips | Days  | Per Diem     | Sum       |
| Scientific Meeting           | 1500.0 | 1     | 6     | 200.0        | 2,700.0   |
| registration in ticket price |        |       |       |              | 0.0       |
|                              |        |       |       |              | 0.0       |
|                              |        |       |       |              | 0.0       |
|                              |        |       |       |              | 0.0       |
|                              |        |       |       |              | 0.0       |
|                              |        |       |       |              | 0.0       |
|                              |        |       |       |              | 0.0       |
|                              |        |       |       |              | 0.0       |
|                              |        |       |       |              | 0.0       |
|                              |        |       |       |              | 0.0       |
|                              |        |       |       | Travel Total | \$2,700.0 |

| FY13 to validate the separate herring condition monitoring PERSONN | RM 3B<br>EL & TRAVEL<br>ETAIL |
|--|-------------------------------|
|--|-------------------------------|

Contractual Costs:

Contract

| Description   | Sum                   |
|---|-----------------------|
| PWSSC Network charge 4.5 @ \$100  | 450.                  |
| Mass spectrometry 250 @ \$25  | 6,250                 |
| Freeze drying 250 @ \$3   | 600                   |
| Printing, copying, shipping   | 500.                  |
| Communications (fax and phone)  | 200                   |
| Software  | 500                   |
|   |                       |
|   |                       |
|   |                       |
|   |                       |
|   |                       |
|   |                       |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | ractual Total \$8,500 |
|   | · · /                 |
| Commodities Costs:  | Commoditi             |
| Description   | Su                    |
| Office supplies   | 500.                  |
| Sampling supplies   | 0                     |
| Laboratory supplies   | 1,700                 |
|   | `                     |

| Commodities Total | \$2,200.0 |
|-------------------|-----------|

| FY13 | Project Title: A high temporal and spatial resolution study<br>to validate the separate herring condition monitoring<br>program<br>Project PI:Kline | FORM<br>CONTRAC<br>COMMODIT | CTUAL & |
|------|---|-----------------------------|---------|
|      |   | <br>                        |         |

New Equipment Purchases:

| Description | of Units | Price         | Sum   |
|-------------|----------|---------------|-------|
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             |          |               | 0.0   |
|             | New Eq   | uipment Total | \$0.0 |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Descriptior                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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| FY13             | Project Title: A high temporal and spatial resolution study<br>to validate the separate herring condition monitoring<br>program<br>Project PI:Kline |          | FORM 3B<br>EQUIPMENT DETAIL |          |           |
|------------------|---|----------|-----------------------------|----------|-----------|
| Personnel Costs: |   | Months   | Monthly                     |          | Personnel |
| Name             | Project Title   | Budgeted | Costs                       | Overtime | Sum       |

| T. Kline         | High resolution |  | 1.2      | 11416.7    |     | 13,700.0 |
|------------------|-----------------|--|----------|------------|-----|----------|
| Tech to be named | High resolution |  | 0.0      |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  |          |            |     | 0.0      |
|                  |                 |  | Subtotal | 11416.7    | 0.0 |          |
| Personnel Total  |                 |  |          | \$13,700.0 |     |          |

| Travel Costs: | Ticket | Round | Total | Daily    | Travel |
|---------------|--------|-------|-------|----------|--------|
| Description   | Price  | Trips | Days  | Per Diem | Sum    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
| Travel Total  |        |       |       | \$0.0    |        |

| FY14 |
|------|
|------|

Project Title: A high temporal and spatial resolution study to validate the separate herring condition monitoring program Project PI:Kline

FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  |                   | Contract |
|---|-------------------|----------|
| Description   |                   | Sum      |
| PWSSC Network charge 1.2 @ \$100  |                   | 100.0    |
| Printing, copying, shipping   |                   | 0.0      |
| Communications (fax and phone) 1.2 @50  |                   | 100.0    |
| Software  |                   | 500.0    |
|   |                   |          |
|   |                   |          |
|   |                   |          |
|   |                   |          |
|   |                   |          |
|   |                   |          |
|   |                   |          |
|   |                   |          |
|   |                   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$700.0  |

| Commodities Costs:  | Commodities |
|---------------------|-------------|
| Description         | Sum         |
| Office supplies     | 0.0         |
| Sampling supplies   | 0.0         |
| Laboratory supplies | 0.0         |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
|                     |             |
| Commodities Total   | \$0.0       |

Project Title: A high temporal and spatial resolution study to validate the separate herring condition monitoring program Project PI:Kline

FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Equ  | uipment Total | \$0.0     |

| Existing Equipment Usage: | Number   | Inventory |
|---------------------------|----------|-----------|
| Description               | of Units | Agency    |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
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|                           |          |           |

Project Title: A high temporal and spatial resolution study to validate the separate herring condition monitoring program Project PI:Kline

FORM 3B EQUIPMENT DETAIL

| Personnel Costs: |                 |  | Months   | Monthly |          | Personnel |
|------------------|-----------------|--|----------|---------|----------|-----------|
| Name             | Project Title   |  | Budgeted | Costs   | Overtime | Sum       |
| T. Kline         | High resolution |  | 0.0      | 0.0     |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  | Subtotal | 0.0     | 0.0      |           |
| Personnel Total  |                 |  |          | \$0.0   |          |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| Project Title: A high temporal and<br>to validate the separate herring o<br>program<br>Project PI:Kline | - FORM3B | /EL |
|---|----------|-----|
|---|----------|-----|

FY15

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
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|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

| FY15 Project Title: A high temporal and spatial resolution study to validate the separate herring condition monitoring program Project PI:Kline | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|---|--|
|---|--|

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Equ  | uipment Total | \$0.0     |

| Existing Equipment Usage: | Number   | Inventory |
|---------------------------|----------|-----------|
| Description               | of Units | Agency    |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
|                           |          |           |
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|                           |          |           |

FY15

Project Title: A high temporal and spatial resolution study to validate the separate herring condition monitoring program Project PI:Kline

FORM 3B EQUIPMENT DETAIL

| Personnel Costs: |                 |  | Months   | Monthly |          | Personnel |
|------------------|-----------------|--|----------|---------|----------|-----------|
| Name             | Project Title   |  | Budgeted | Costs   | Overtime | Sum       |
| T. Kline         | High resolution |  | 0.0      | 0.0     |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  |          |         |          | 0.0       |
|                  |                 |  | Subtotal | 0.0     | 0.0      |           |
| Personnel Total  |                 |  |          | \$0.0   |          |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

|  | Project Title: A high temporal and spatial resolution study<br>to validate the separate herring condition monitoring<br>program<br>Project PI:Kline |  | FORM 3B<br>PERSONNEL & TRAVEL<br>DETAIL |
|--|---|--|---|
|--|---|--|---|

**FY16** 

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
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|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

| FY16 | Project Title: A high temporal and spatial resolution study<br>to validate the separate herring condition monitoring<br>program<br>Project PI:Kline | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|------|---|--|
|------|---|--|

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Descriptior                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |

FY16

Project Title: A high temporal and spatial resolution study to validate the separate herring condition monitoring program Project PI:Kline

FORM 3B EQUIPMENT DETAIL

| Budget Category:                        |          | Proposed | Proposed  | Proposed  | Proposed  | TOTAL     |  |
|---|----------|----------|-----------|-----------|-----------|-----------|--|
|   | FY 12    | FY 13    | FY 14     | FY 15     | FY 16     | PROPOSED  |  |
| _                                       |          |          |           |           |           |           |  |
| Personnel                               | \$32,500 | \$58,300 | \$98,100  | \$95,000  | \$98,000  | \$381,900 |  |
| Travel                                  | \$1,000  | \$1,000  | \$2,000   | \$1,200   | \$1,200   | \$6,400   |  |
| Contractual                             | \$900    | \$1,800  | \$2,600   | \$2,200   | \$2,200   | \$9,700   |  |
| Commodities                             | \$5,400  | \$2,800  | \$1,800   | \$1,100   | \$1,100   | \$12,200  |  |
| Equipment                               | \$10,700 | \$0      | \$0       | \$0       | \$0       | \$10,700  |  |
| Indirect Costs (30% MTDC)               | \$11,900 | \$19,200 | \$31,300  | \$29,900  | \$30,800  | \$123,100 |  |
| SUBTOTAL                                | \$62,400 | \$83,100 | \$135,800 | \$129,400 | \$133,300 | \$544,000 |  |
|   |          |          |           |           |           |           |  |
| General Administration (9% of subtotal) | \$5,600  | \$7,500  | \$12,200  | \$11,700  | \$12,000  | \$49,000  |  |
|   |          |          |           |           |           |           |  |
| PROJECT TOTAL                           | \$68,000 | \$90,600 | \$148,000 | \$141,100 | \$145,300 | \$593,000 |  |
|   |          |          |           |           |           |           |  |
| Other Resources (Cost Share Funds)      | \$0      | \$0      | \$0       | \$0       | \$0       | \$0       |  |

COMMENTS: Cost of Simraud P150 catch moniitoring system for the midwater trawl is being partially covered out of the expanded adult acoustic survey project

FY12-16

Project Title: PWS Herring Research and Monitoring: Acoustic Survey Validation Project PI: Dr. Mary Anne Bishop, PWS Science Center FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs: |                              | Months   | Monthly |               | Personnel  |
|------------------|------------------------------|----------|---------|---------------|------------|
| Name             | Project Title                | Budgeted | Costs   | Overtime      | Sum        |
| J. Watson        | Research Assistant-Fisheries | 6.0      | 6600.0  |               | 39600.0    |
| M.A. Bishop      | Principal Investigator       | 1.7      | 11333.4 |               | 18700.0    |
|                  |                              |          |         |               | 0.0        |
|                  |                              |          |         |               | 0.0        |
|                  |                              |          |         |               | 0.0        |
|                  |                              |          |         |               | 0.0        |
|                  |                              |          |         |               | 0.0        |
|                  |                              |          |         |               | 0.0        |
|                  |                              |          |         |               | 0.0        |
|                  |                              |          |         |               | 0.0        |
|                  |                              |          |         |               | 0.0        |
|                  |                              |          |         |               | 0.0        |
|                  |                              | Subtotal | 17933.4 | 0.0           |            |
|                  |                              |          | Pe      | rsonnel Total | \$58,300.0 |

| Travel Costs:           | Ticket | Round | Total | Daily        | Travel    |
|-------------------------|--------|-------|-------|--------------|-----------|
| Description             | Price  | Trips | Days  | Per Diem     | Sum       |
| Alaska Marine Symposium | 300.0  | 1     | 4     | 175.0        | 1,000.0   |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       | Travel Total | \$1,000.0 |

| FY13       Project Title: PWS Herring Research and Monitoring:       FORM         Acoustic Survey Validation       PERSONNEL         Project PI: Dr. Mary Anne Bishop, PWS Science Center       DET | & TRAVEL |
|---|----------|
|---|----------|

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| network & software subscriptions \$150/staff mo   | 1,200.0   |
| communications (phone and fax) \$50/staff mo  | 400.0     |
| printing & copying \$25/staff mo  | 200.0     |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$1,800.0 |

| Commodities Costs:            | Commodities |
|-------------------------------|-------------|
| Description                   | Sum         |
| Field, Lab, & Office supplies | 2800.0      |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
| Commodities Total             | \$2,800.0   |

| FY13 | Project Title: PWS Herring Research and Monitoring:<br>Acoustic Survey Validation<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|------|---|--|
|      |   |  |

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:           | Number   | Inventory |
|-------------------------------------|----------|-----------|
| Description                         | of Units | Agency    |
| Midwater Trawl                      |          | PWSSC     |
| Simrad P150 Catch monitoring system | 1        | PWSSC     |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
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|                                     |          |           |
|                                     |          |           |
|                                     |          |           |

Project Title: PWS Herring Research and Monitoring: Acoustic Survey Validation Project PI: Dr. Mary Anne Bishop, PWS Science Center

FORM 3B EQUIPMENT DETAIL

| Personnel Costs:     |                              | Months   | Monthly       |            | Personnel |
|----------------------|------------------------------|----------|---------------|------------|-----------|
| Name                 | Project Title                | Budgeted | Costs         | Overtime   | Sum       |
| J. Watson            | Research Assistant-Fisheries | 6.0      | 6783.3        |            | 40700.0   |
| M.A. Bishop          | Principal Investigator       | 5.0      | 11480.0       |            | 57400.0   |
|                      |                              |          |               |            | 0.0       |
|                      |                              |          |               |            | 0.0       |
|                      |                              |          |               |            | 0.0       |
|                      |                              |          |               |            | 0.0       |
|                      |                              |          |               |            | 0.0       |
|                      |                              |          |               |            | 0.0       |
|                      |                              |          |               |            | 0.0       |
|                      |                              |          |               |            | 0.0       |
|                      |                              |          |               |            | 0.0       |
|                      |                              |          |               |            | 0.0       |
| Subtotal 18263.3 0.0 |                              |          |               | 0.0        |           |
| Personnel Total      |                              |          | rsonnel Total | \$98,100.0 |           |

| Travel Costs:                               | Ticket | Round | Total | Daily        | Travel    |
|---|--------|-------|-------|--------------|-----------|
| Description                                 | Price  | Trips | Days  | Per Diem     | Sum       |
| Alaska Marine Symposium                     | 300.0  | 1     | 4     | 175.0        | 1,000.0   |
| Principal Investigators Meeting - Anchorage | 300.0  | 1     | 4     | 175.0        | 1,000.0   |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       | Travel Total | \$2,000.0 |

| FY14       Project Title: PWS Herring Research and Monitoring:       FORM         Acoustic Survey Validation       PERSONNEL         Project PI: Dr. Mary Anne Bishop, PWS Science Center       DET |
|---|
|---|

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| network & software subscriptions \$150/staff mo   | 1700.0    |
| communications (phone and fax) \$50/staff mo  | 600.0     |
| printing & copying \$25/staff mo  | 300.0     |
|   |           |
|   |           |
|   |           |
|   |           |
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|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$2,600.0 |

| Commodities Costs:            | Commodities |
|-------------------------------|-------------|
| Description                   | Sum         |
| Field, Lab, & Office supplies | 1800.0      |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
|                               |             |
| Commodities Total             | \$1,800.0   |

| FY14 | Project Title: PWS Herring Research and Monitoring:<br>Acoustic Survey Validation<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|------|---|--|
|      |   |  |

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:           | Number   | Inventory |
|-------------------------------------|----------|-----------|
| Description                         | of Units | Agency    |
| Midwater Trawl                      |          | PWSSC     |
| Simrad P150 Catch monitoring system | 1        | PWSSC     |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
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| FY14 |
|------|
|------|

Project Title: PWS Herring Research and Monitoring: Acoustic Survey Validation Project PI: Dr. Mary Anne Bishop, PWS Science Center

FORM 3B EQUIPMENT DETAIL

| Personnel Costs:     |                              | Months   | Monthly |            | Personnel |
|----------------------|------------------------------|----------|---------|------------|-----------|
| Name                 | Project Title                | Budgeted | Costs   | Overtime   | Sum       |
| J. Watson            | Research Assistant-Fisheries | 5.0      | 7000.0  |            | 35000.0   |
| M.A. Bishop          | Principal Investigator       | 5.0      | 12000.0 |            | 60000.0   |
|                      |                              |          |         |            | 0.0       |
|                      |                              |          |         |            | 0.0       |
|                      |                              |          |         |            | 0.0       |
|                      |                              |          |         |            | 0.0       |
|                      |                              |          |         |            | 0.0       |
|                      |                              |          |         |            | 0.0       |
|                      |                              |          |         |            | 0.0       |
|                      |                              |          |         |            | 0.0       |
|                      |                              |          |         |            | 0.0       |
|                      |                              |          |         |            | 0.0       |
| Subtotal 19000.0 0.0 |                              |          |         |            |           |
| Personnel Total      |                              |          |         | \$95,000.0 |           |

| Travel Costs:           | Ticket | Round | Total | Daily        | Travel    |
|-------------------------|--------|-------|-------|--------------|-----------|
| Description             | Price  | Trips | Days  | Per Diem     | Sum       |
| Alaska Marine Symposium | 400.0  | 1     | 4     | 200.0        | 1,200.0   |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       | Travel Total | \$1,200.0 |

| FY15       Project Title: PWS Herring Research and Monitoring:       FORM 3B         Acoustic Survey Validation       PERSONNEL & TI         Project PI: Dr. Mary Anne Bishop, PWS Science Center       DETAIL |
|--|
|--|

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| network & software subscriptions \$150/staff mo   | 1500.0    |
| communications (phone and fax) \$50/staff mo  | 500.0     |
| printing & copying \$25/staff mo  | 200.0     |
|   |           |
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|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$2,200.0 |

| Commodities Costs:          | Commodities |
|-----------------------------|-------------|
| Description                 | Sum         |
| Field, lab, office supplies | 1100.0      |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
| Commodities Total           | \$1,100.0   |

| FY15 | Project Title: PWS Herring Research and Monitoring:<br>Acoustic Survey Validation<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|------|---|--|
|      |   |  |

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:           | Number   | Inventory |
|-------------------------------------|----------|-----------|
| Description                         | of Units | Agency    |
| Midwater Trawl                      |          | PWSSC     |
| Simrad P150 Catch monitoring system | 1        | PWSSC     |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
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|                                     |          |           |
|                                     |          |           |

Project Title: PWS Herring Research and Monitoring: Acoustic Survey Validation Project PI: Dr. Mary Anne Bishop, PWS Science Center

FORM 3B EQUIPMENT DETAIL

| Personnel Costs: |                             | Months   | Monthly |               | Personnel  |
|------------------|-----------------------------|----------|---------|---------------|------------|
| Name             | Project Title               | Budgeted | Costs   | Overtime      | Sum        |
| J. Watson        | Researh Assistant-Fisheries | 5.0      | 7200.0  |               | 36000.0    |
| M.A. Bishop      | Principal Investigator      | 5.0      | 12400.0 |               | 62000.0    |
|                  |                             |          |         |               | 0.0        |
|                  |                             |          |         |               | 0.0        |
|                  |                             |          |         |               | 0.0        |
|                  |                             |          |         |               | 0.0        |
|                  |                             |          |         |               | 0.0        |
|                  |                             |          |         |               | 0.0        |
|                  |                             |          |         |               | 0.0        |
|                  |                             |          |         |               | 0.0        |
|                  |                             |          |         |               | 0.0        |
|                  |                             |          |         |               | 0.0        |
|                  |                             | Subtotal | 19600.0 | 0.0           |            |
|                  |                             |          | Pe      | rsonnel Total | \$98,000.0 |

| Travel Costs:           | Ticket | Round | Total | Daily        | Travel    |
|-------------------------|--------|-------|-------|--------------|-----------|
| Description             | Price  | Trips | Days  | Per Diem     | Sum       |
| Alaska Marine Symposium | 400.0  | 1     | 4     | 200.0        | 1,200.0   |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       |              | 0.0       |
|                         |        |       |       | Travel Total | \$1,200.0 |

| FY16       Project Title: PWS Herring Research and Monitoring:       FORM 3B         Acoustic Survey Validation       PERSONNEL & TE         Project PI: Dr. Mary Anne Bishop, PWS Science Center       DETAIL |
|--|
|--|

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| network & software subscriptions \$150/staff mo   | 1500.0    |
| communications (phone and fax) \$50/staff mo  | 500.0     |
| printing & copying \$25/staff mo  | 200.0     |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$2,200.0 |

| Commodities Costs:          | Commodities |
|-----------------------------|-------------|
| Description                 | Sum         |
| Field, lab, office supplies | 1100.0      |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
|                             |             |
| Commodities Total           | \$1,100.0   |

| FY16 | Project Title: PWS Herring Research and Monitoring:<br>Acoustic Survey Validation<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|------|---|--|
|      |   |  |

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:           | Number   | Inventory |
|-------------------------------------|----------|-----------|
| Description                         | of Units | Agency    |
| Midwater Trawl                      |          | PWSSC     |
| Simrad P150 Catch monitoring system | 1        | PWSSC     |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |

Project Title: PWS Herring Research and Monitoring: Acoustic Survey Validation Project PI: Dr. Mary Anne Bishop, PWS Science Center

FORM 3B EQUIPMENT DETAIL

| Budget Category:                        |          | Proposed | Proposed | Proposed | Proposed | TOTAL     |  |
|---|----------|----------|----------|----------|----------|-----------|--|
|   | FY 12    | FY 13    | FY 14    | FY 15    | FY 16    | PROPOSED  |  |
|   |          |          |          |          |          |           |  |
| Personnel                               | \$7,300  | \$8,900  | \$11,300 | \$0      | \$0      | \$27,500  |  |
| Travel                                  | \$5,100  | \$2,700  | \$0      | \$0      | \$0      | \$7,800   |  |
| Contractual                             | \$400    | \$300    | \$1,000  | \$0      | \$0      | \$1,700   |  |
| Commodities                             | \$37,100 | \$500    | \$0      | \$0      | \$0      | \$37,600  |  |
| Equipment                               | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       |  |
| Indirect Costs (will vary by proposer)  | \$15,000 | \$3,700  | \$3,700  |          |          | \$22,400  |  |
| SUBTOTAL                                | \$64,900 | \$16,100 | \$16,000 | \$0      | \$0      | \$97,000  |  |
|   |          |          |          |          |          |           |  |
| General Administration (9% of subtotal) | \$5,800  | \$1,600  | \$1,400  | \$0      | \$0      | \$8,800   |  |
|   |          |          |          |          |          |           |  |
| PROJECT TOTAL                           | \$70,700 | \$17,700 | \$17,400 | \$0      | \$0      | \$105,800 |  |
| -                                       |          |          |          |          |          |           |  |
| Other Resources (Cost Share Funds)      | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       |  |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Project Title: PWS Herring Research and Monitoring: Movements of Acoustic-tagged Pacific herring Project PI: Dr. Mary Anne Bishop, PWS Science Center & Dr. Sean Powers, Univ. S. Alabama

FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs: |                        | Months   | Monthly  |                | Personnel |
|------------------|------------------------|----------|----------|----------------|-----------|
| Name             | Project Title          | Budgeted | Costs    | Overtime       | Sum       |
| B. Reynolds      | Research Assistant     | 1.0      | 6,600.0  |                | 6,600.0   |
| M. Bishop        | Principal Investigator | 0.2      | 11,500.0 |                | 2,300.0   |
|                  |                        |          |          |                | 0.0       |
|                  |                        |          |          |                | 0.0       |
|                  |                        |          |          |                | 0.0       |
|                  |                        |          |          |                | 0.0       |
|                  |                        |          |          |                | 0.0       |
|                  |                        |          |          |                | 0.0       |
|                  |                        |          |          |                | 0.0       |
|                  |                        |          |          |                | 0.0       |
|                  |                        |          |          |                | 0.0       |
|                  |                        |          |          |                | 0.0       |
|                  |                        | Subtotal | 18100.0  | 0.0            |           |
|                  |                        |          | Pe       | ersonnel Total | \$8,900.0 |

| Travel Costs:  | Ticket | Round | Total | Daily        | Travel    |
|----------------|--------|-------|-------|--------------|-----------|
| Description    | Price  | Trips | Days  | Per Diem     | Sum       |
| Mobile-Cordova | 1100.0 | 1     | 8     | 200.0        | 2700.0    |
|                |        |       |       |              | 0.0       |
|                |        |       |       |              | 0.0       |
|                |        |       |       |              | 0.0       |
|                |        |       |       |              | 0.0       |
|                |        |       |       |              | 0.0       |
|                |        |       |       |              | 0.0       |
|                |        |       |       |              | 0.0       |
|                |        |       |       |              | 0.0       |
|                |        |       |       |              | 0.0       |
|                |        |       |       |              | 0.0       |
|                |        |       |       | Travel Total | \$2,700.0 |

| FY13 | Project Title: PWS Herring Research and Monitoring:<br>Movements of Acoustic-tagged Pacific herring<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center &<br>Dr. Sean Powers, Univ. S. Alabama | FORM 3B<br>PERSONNEL & TRAVEL<br>DETAIL |
|------|--|---|
|------|--|---|

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
| network & software subscriptions \$150/staff mo   | 200.0    |
| printing & copying \$25/staff mo  | 0.0      |
| communications (phone and fax) \$50/staff mo  | 100.0    |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$300.0  |

| Commodities Costs:                | Commodities      |
|-----------------------------------|------------------|
| Description                       | Sum              |
| Tagging Supplies                  | 200.0            |
| Boat groceries, spring monitoring | 300.0            |
|                                   |                  |
|                                   |                  |
|                                   |                  |
|                                   |                  |
|                                   |                  |
|                                   |                  |
|                                   |                  |
|                                   |                  |
|                                   |                  |
| Commodities Tota                  | <b>l</b> \$500.0 |

| FY13 | Project Title: PWS Herring Research and Monitoring:<br>Movements of Acoustic-tagged Pacific herring<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center &<br>Dr. Sean Powers, Univ. S. Alabama | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|------|--|--|
|------|--|--|

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:         | Number   | Inventory |
|-----------------------------------|----------|-----------|
| Description                       | of Units |           |
| Vemco VR 2 Receivers              | 8        | PWSSC     |
| Vemco VR 3 Receivers (POST Array) | 10       | POST      |
| Vemco VR2W Receivers (POST Array) |          | POST      |
| Vemco Portable Tracking System    | 1        | PWSSC     |
| Vemco Acoustic Modem              | 1        | PWSSC     |
|                                   |          |           |
|                                   |          |           |
|                                   |          |           |
|                                   |          |           |
|                                   |          |           |
|                                   |          |           |
|                                   | 1        |           |

Project Title: PWS Herring Research and Monitoring: Movements of Acoustic-tagged Pacific herring Project PI: Dr. Mary Anne Bishop, PWS Science Center & Dr. Sean Powers, Univ. S. Alabama

| Personnel Costs: |                        | Months   | Monthly  |                | Personnel  |
|------------------|------------------------|----------|----------|----------------|------------|
| Name             | Project Title          | Budgeted | Costs    | Overtime       | Sum        |
| M. Bishop        | Principal Investigator | 1.0      | 11,300.0 |                | 11,300.0   |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        |          |          |                | 0.0        |
|                  |                        | Subtotal | 11300.0  | 0.0            |            |
|                  |                        |          | Pe       | ersonnel Total | \$11,300.0 |

| Travel Costs: | Ticket | Round | Total | Daily    | Travel |
|---------------|--------|-------|-------|----------|--------|
| Description   | Price  | Trips | Days  | Per Diem | Sum    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
| Travel Total  |        |       |       | \$0.0    |        |

| FY14 | Project Title: PWS Herring Research and Monitoring:<br>Movements of Acoustic-tagged Pacific herring<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center &<br>Dr. Sean Powers, Univ. S. Alabama | FORM 3B<br>PERSONNEL & TRAVEL<br>DETAIL |
|------|--|---|
|------|--|---|

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| network & software subscriptions \$150/staff mo   | 100.0     |
| printing & copying \$25/staff mo  | 0.0       |
| communications (phone and fax) \$50/staff mo  | 100.0     |
| page charges scientific journal   | 800.0     |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$1,000.0 |

| Commodities Costs:<br>Description | Commodities    |
|-----------------------------------|----------------|
| Description                       | Sum            |
|                                   |                |
|                                   |                |
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|                                   |                |
|                                   |                |
| Commodities Tota                  | <b>I</b> \$0.0 |

| FY14 | Project Title: PWS Herring Research and Monitoring:<br>Movements of Acoustic-tagged Pacific herring<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center &<br>Dr. Sean Powers, Univ. S. Alabama | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|------|--|--|
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| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
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|             | Project Title: PWS Herring Research and Monitoring:    | 1      |             |
|-------------|--|--------|-------------|
| FY14        | Movements of Acoustic-tagged Pacific herring           | FC     | ORM 3B      |
| <b>FII4</b> | Project PI: Dr. Mary Anne Bishop, PWS Science Center & | EQUIPM | IENT DETAIL |
|             | Dr. Sean Powers, Univ. S. Alabama                      |        |             |

| Personnel Costs: |         |       |        | Months   | Monthly |               | Personnel |
|------------------|---------|-------|--------|----------|---------|---------------|-----------|
| Name             | Project | Title |        | Budgeted | Costs   | Overtime      | Sum       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        |          |         |               | 0.0       |
|                  |         |       |        | Subtotal | 0.0     | 0.0           |           |
|                  |         |       |        |          | Pe      | rsonnel Total | \$0.0     |
|                  |         |       |        |          |         |               |           |
| Travel Costs:    |         |       | Ticket | Round    | Total   | Daily         | Travel    |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| FY15 | Project Title: PWS Herring Research and Monitoring:<br>Movements of Acoustic-tagged Pacific herring<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center &<br>Dr. Sean Powers, Univ. S. Alabama | FORM 3B<br>PERSONNEL & TRAVEL<br>DETAIL |
|------|--|---|
|------|--|---|

| Contractual Costs:  | Contract     |
|---|--------------|
| Description   | Sum          |
|   |              |
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|   | <b>•</b> • • |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0        |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
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|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

| FY15 | Project Title: PWS Herring Research and Monitoring:<br>Movements of Acoustic-tagged Pacific herring<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center &<br>Dr. Sean Powers, Univ. S. Alabama | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|------|--|--|
|------|--|--|

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
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|      | Project Title: PWS Herring Research and Monitoring:    |                  |
|------|--|------------------|
| FY15 | Movements of Acoustic-tagged Pacific herring           | FORM 3B          |
| FTIJ | Project PI: Dr. Mary Anne Bishop, PWS Science Center & | EQUIPMENT DETAIL |
|      | Dr. Sean Powers, Univ. S. Alabama                      |                  |

| Personnel Costs: |               |        | Months   | Monthly |               | Personnel |
|------------------|---------------|--------|----------|---------|---------------|-----------|
| Name             | Project Title |        | Budgeted | Costs   | Overtime      | Sum       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        | Subtotal | 0.0     | 0.0           |           |
|                  |               |        |          | Pe      | rsonnel Total | \$0.0     |
|                  |               |        |          |         |               |           |
| Travel Costs:    |               | Ticket | Round    | Total   | Daily         | Travel    |

|             | TICKEL | Round | TOtal | Daily        | Traver |
|-------------|--------|-------|-------|--------------|--------|
| Description | Price  | Trips | Days  | Per Diem     | Sum    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       |              | 0.0    |
|             |        |       |       | Travel Total | \$0.0  |

| FY16 | Project Title: PWS Herring Research and Monitoring:<br>Movements of Acoustic-tagged Pacific herring<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center &<br>Dr. Sean Powers, Univ. S. Alabama | FORM 3B<br>PERSONNEL & TRAVEL<br>DETAIL |
|------|--|---|
|------|--|---|

| Contractual Costs:  | Contract     |
|---|--------------|
| Description   | Sum          |
|   |              |
|   |              |
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|   | <b>•</b> • • |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0        |

| Commodities Costs:<br>Description | Commodities |
|-----------------------------------|-------------|
| Description                       | Sum         |
|                                   |             |
|                                   |             |
|                                   |             |
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|                                   |             |
|                                   |             |
| Commodities Total                 | \$0.0       |

| FY16 | Project Title: PWS Herring Research and Monitoring:<br>Movements of Acoustic-tagged Pacific herring<br>Project PI: Dr. Mary Anne Bishop, PWS Science Center &<br>Dr. Sean Powers, Univ. S. Alabama | FORM 3B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|------|--|--|
|------|--|--|

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
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|      | Project Title: PWS Herring Research and Monitoring:    |                  |
|------|--|------------------|
| FY16 | Movements of Acoustic-tagged Pacific herring           | FORM 3B          |
| FIIO | Project PI: Dr. Mary Anne Bishop, PWS Science Center & | EQUIPMENT DETAIL |
|      | Dr. Sean Powers, Univ. S. Alabama                      |                  |

| Budget Category:                                |          | Proposed | Proposed | Proposed | Proposed | TOTAL     |
|---|----------|----------|----------|----------|----------|-----------|
|   | FY 12    | FY 13    | FY 14    | FY 15    | FY 16    | PROPOSED  |
| _   |          |          |          |          |          |           |
| Personnel                                       | \$16,200 | \$49,900 | \$40,900 | \$55,300 | \$55,900 | \$218,200 |
| Travel  | \$0      | \$2,600  | \$2,600  | \$2,600  | \$2,600  | \$10,400  |
| Contractual                                     | \$500    | \$4,000  | \$1,600  | \$2,000  | \$0      | \$8,100   |
| Commodities                                     | \$1,500  | \$0      | \$1,500  | \$0      | \$0      | \$3,000   |
| Equipment                                       | \$59,000 | \$0      | \$0      | \$0      | \$0      | \$59,000  |
| Indirect Costs ( <i>will vary by proposer</i> ) | \$5,500  | \$17,000 | \$14,000 | \$18,000 | \$17,600 | \$72,100  |
| SUBTOTAL  | \$82,700 | \$73,500 | \$60,600 | \$77,900 | \$76,100 | \$370,800 |
| -   |          |          |          |          |          |           |
| General Administration (9% of subtotal)         | \$7,400  | \$6,600  | \$5,500  | \$7,000  | \$6,900  | \$33,400  |
| -   |          |          |          |          |          |           |
| PROJECT TOTAL                                   | \$90,100 | \$80,100 | \$66,100 | \$84,900 | \$83,000 | \$404,200 |
| -   |          |          |          |          |          |           |
| Other Resources (Cost Share Funds)              | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs:      |                | Months   | Monthly |          | Personnel  |
|-----------------------|----------------|----------|---------|----------|------------|
| Name                  | Project Title  | Budgeted | Costs   | Overtime | Sum        |
| Michele Buckhorn, PhD | PI             | 3.0      | 8500.0  |          | 25,500.0   |
| Richard Thorne, PhD   | co-PI          | 0.3      | 11333.3 |          | 3,400.0    |
| James Thorne          | acoustics tech | 3.0      | 7000.0  |          | 21,000.0   |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
| Subtotal 26833.3 0.0  |                |          |         |          |            |
| Personnel Total       |                |          |         |          | \$49,900.0 |

| Travel Costs:                             | Ticket | Round | Total | Daily        | Travel    |
|---|--------|-------|-------|--------------|-----------|
| Description                               | Price  | Trips | Days  | Per Diem     | Sum       |
| Seattle to Cordova - Richard Thorne       | 700.0  | 2     |       |              | 1,400.0   |
| Cordova to Anchorage -AMSS Richard Thorne | 600.0  | 1     | 3     | 200.0        | 1,200.0   |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       | Travel Total | \$2,600.0 |

Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| Equipment calibration   | 2,000.0   |
| Network, phone (\$150/man month)  | 1,000.0   |
| Printing  | 1,000.0   |
|   |           |
|   |           |
|   |           |
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|   |           |
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|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$4,000.0 |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
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|                    |             |
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|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |



Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
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Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| Personnel Costs:      |                | Months   | Monthly    |          | Personnel |
|-----------------------|----------------|----------|------------|----------|-----------|
| Name                  | Project Title  | Budgeted | Costs      | Overtime | Sum       |
| Michele Buckhorn, PhD | PI             | 2.5      | 9000.0     |          | 22,500.0  |
| Richard Thorne, PhD   | co-PI          | 0.3      | 11333.3    |          | 3,400.0   |
| James Thorne          | acoustics tech | 2.0      | 7500.0     |          | 15,000.0  |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
| Subtotal 27833.3 0.0  |                |          |            |          |           |
| Personnel Total       |                |          | \$40,900.0 |          |           |

| Travel Costs:                              | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description                                | Price  | Trips | Days  | Per Diem     | Sum       |
| Seattle to Cordova - Richard Thorne        | 700.0  | 2     |       |              | 1,400.0   |
| Cordova to Anchorage AMSS - Richard Thorne | 600.0  | 1     | 3     | 200.0        | 1,200.0   |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$2,600.0 |

Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| Network, phone (\$150/man month)  | 800.0     |
| Printing  | 800.0     |
|   |           |
|   |           |
|   |           |
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|   |           |
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|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$1,600.0 |

| Commodities Costs:<br>Description | Commodities |
|-----------------------------------|-------------|
| Description                       | Sum         |
| Sampling supplies                 | 1,500.0     |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
| Commodities Total                 | \$1,500.0   |



Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
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Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| Personnel Costs:      |                | Months   | Monthly    |          | Personnel |
|-----------------------|----------------|----------|------------|----------|-----------|
| Name                  | Project Title  | Budgeted | Costs      | Overtime | Sum       |
| Michele Buckhorn, PhD | PI             | 3.0      | 9400.0     |          | 28,200.0  |
| Richard Thorne, PhD   | co-PI          | 0.3      | 11333.3    |          | 3,400.0   |
| James Thorne          | acoustics tech | 3.0      | 7900.0     |          | 23,700.0  |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                | Subtotal | 28633.3    | 0.0      |           |
| Personnel Total       |                |          | \$55,300.0 |          |           |

| Travel Costs:                              | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description                                | Price  | Trips | Days  | Per Diem     | Sum       |
| Seattle to Cordova - Richard Thorne        | 700.0  | 2     |       |              | 1,400.0   |
| Cordova to Anchorage AMSS - Richard Thorne | 600.0  | 1     | 3     | 200.0        | 1,200.0   |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$2,600.0 |

| FY15 |
|------|
|------|

Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| Network, phone (\$150/man month)  | 1,000.0   |
| printing  | 1,000.0   |
|   |           |
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|   |           |
|   |           |
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|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$2,000.0 |

| Commodities Costs:                | Commodities |
|-----------------------------------|-------------|
| Commodities Costs:<br>Description | Sum         |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
| Commodities Total                 | \$0.0       |



Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |
|  |          |           |



Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| Personnel Costs:      |                | Months   | Monthly    |          | Personnel |
|-----------------------|----------------|----------|------------|----------|-----------|
| Name                  | Project Title  | Budgeted | Costs      | Overtime | Sum       |
| Michele Buckhorn, PhD | PI             | 3.0      | 9400.0     |          | 28,200.0  |
| Richard Thorne, PhD   | co-PI          | 0.3      | 11333.3    |          | 3,400.0   |
| James Thorne          | acoustics tech | 3.0      | 8100.0     |          | 24,300.0  |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                | Subtotal | 28833.3    | 0.0      |           |
| Personnel Total       |                |          | \$55,900.0 |          |           |

| Travel Costs:                              | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description                                | Price  | Trips | Days  | Per Diem     | Sum       |
| Seattle to Cordova - Richard Thorne        | 700.0  | 2     |       |              | 1,400.0   |
| Cordova to Anchorage AMSS - Richard Thorne | 600.0  | 1     | 3     | 200.0        | 1,200.0   |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$2,600.0 |

FY16

Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY16

Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |



Program Title: Juvenile Herring Abundance Index Team Leader: Michele Buckhorn

| Budget Category:                        | FY 12    | Proposed<br>FY 13 | Proposed<br>FY 14 | Proposed<br>FY 15 | Proposed<br>FY 16 | TOTAL<br>PROPOSED |  |
|---|----------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
| <b>_</b>                                |          |                   |                   |                   |                   |                   |  |
| Personnel                               | \$0      | \$21,000          | \$30,100          | \$4,700           | \$0               | \$55,800          |  |
| Travel                                  | \$0      | \$0               | \$0               | \$0               | \$0               | \$0               |  |
| Contractual                             | \$0      | \$0               | \$1,000           | \$100             | \$0               | \$1,100           |  |
| Commodities                             | \$0      | \$0               | \$2,000           | \$0               | \$0               | \$2,000           |  |
| Equipment                               | \$46,000 | \$0               | \$0               | \$0               | \$0               | \$46,000          |  |
| Indirect Costs (30% PWSSC)              | \$0      | \$6,300           | \$9,600           | \$1,400           | \$0               | \$17,300          |  |
| SUBTOTAL                                | \$46,000 | \$27,300          | \$42,700          | \$6,200           | \$0               | \$122,200         |  |
|   |          |                   |                   |                   |                   |                   |  |
| General Administration (9% of subtotal) | \$4,100  | \$2,457           | \$3,843           | \$600             | \$0               | \$11,000          |  |
|   |          |                   |                   |                   |                   |                   |  |
| PROJECT TOTAL                           | \$50,100 | \$29,757          | \$46,543          | \$6,800           | \$0               | \$133,200         |  |
|   |          |                   |                   |                   |                   |                   |  |
| Other Resources (Cost Share Funds)      | \$0      | <b>\$</b> 0       | \$0               | \$0               | \$0               | \$0               |  |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs:      |               | Months   | Monthly |            | Personnel |
|-----------------------|---------------|----------|---------|------------|-----------|
| Name                  | Project Title | Budgeted | Costs   | Overtime   | Sum       |
| Michele Buckhorn, PhD |               | 1.5      | 9000.0  |            | 13,500.0  |
| James Thorne          |               | 1.0      | 7500.0  |            | 7,500.0   |
|                       |               |          |         |            | 0.0       |
|                       |               |          |         |            | 0.0       |
|                       |               |          |         |            | 0.0       |
|                       |               |          |         |            | 0.0       |
|                       |               |          |         |            | 0.0       |
|                       |               |          |         |            | 0.0       |
|                       |               |          |         |            | 0.0       |
|                       |               |          |         |            | 0.0       |
|                       |               |          |         |            | 0.0       |
|                       |               |          |         |            | 0.0       |
|                       |               | Subtotal | 16500.0 | 0.0        |           |
| Personnel Total \$    |               |          |         | \$21,000.0 |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| FY13 |
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|------|

Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| Contractual Costs: | Contract |
|--------------------|----------|
| Description        | Sum      |

| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0 |
|---|-------|

| Commodities Costs:<br>Description | Commodities |
|-----------------------------------|-------------|
| Description                       | Sum         |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
| Commodities Total                 | \$0.0       |

FY13

Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
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|  |          |                     |
|  |          |                     |



Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| Personnel Costs:      |                | Months   | Monthly |          | Personnel  |
|-----------------------|----------------|----------|---------|----------|------------|
| Name                  | Project Title  | Budgeted | Costs   | Overtime | Sum        |
| Michele Buckhorn, PhD | PI             | 1.5      | 9000.0  |          | 13,500.0   |
| Richard Thorne, PhD   | co-PI          | 0.8      | 11375.0 |          | 9,100.0    |
| James Thorne          | acoustics tech | 1.0      | 7500.0  |          | 7,500.0    |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                |          |         |          | 0.0        |
|                       |                | Subtotal | 27875.0 | 0.0      |            |
| Personnel Total       |                |          |         |          | \$30,100.0 |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| FY14 |
|------|
|------|

Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| Network, phone (\$150/man month)  | 900.0     |
| Printing  | 100.0     |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$1,000.0 |

| Commodities Costs:<br>Description | Commodities |
|-----------------------------------|-------------|
| Description                       | Sum         |
| Sampling supplies                 | 2,000.0     |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
| Commodities Total                 | \$2,000.0   |



Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
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|  |          |                     |
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|  |          |                     |
|  |          |                     |



Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| Personnel Costs: |               |        | Months   | Monthly |                | Personnel                              |
|------------------|---------------|--------|----------|---------|----------------|--|
| Name             | Project Title |        | Budgeted | Costs   | Overtime       | Sum                                    |
| Michele Buckhorn | PI            |        | 0.5      | 9400.0  |                | 4,700.0                                |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        | Subtotal | 9400.0  |                |  |
|                  |               |        |          | Pe      | ersonnel Total | \$4,700.0                              |
| I                |               |        |          |         |                |  |
| Travel Costs:    |               | Ticket | Round    | Total   | Daily          | Travel                                 |
| Description      |               | Price  | Trips    | Days    | Per Diem       | Sum                                    |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        | 1        |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0                                    |
| 11               |               |        |          |         |                |  |
|                  |               |        |          |         |                | 0.0                                    |
|                  |               |        |          |         |                | 0.0<br>0.0                             |
|                  |               |        |          |         |                | 0.0<br>0.0<br>0.0                      |
|                  |               |        |          |         |                | 0.0<br>0.0<br>0.0<br>0.0               |
|                  |               |        |          |         |                | 0.0<br>0.0<br>0.0<br>0.0<br>0.0        |
|                  |               |        |          |         |                | 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0 |
|                  |               |        |          |         |                | 0.0<br>0.0<br>0.0<br>0.0<br>0.0        |

Travel Total \$0.0

FY15

Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
| Network, phone (\$150/man month)  | 100.0    |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$100.0  |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY15

Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:                | Number   | Inventory |
|--|----------|-----------|
| Existing Equipment Usage:<br>Descriptior | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |



Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| Personnel Costs: |               |         | Months   | Monthly |                   | Personnel |
|------------------|---------------|---------|----------|---------|-------------------|-----------|
| Name             | Project Title |         | Budgeted | Costs   | Overtime          | Sum       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         | Subtotal | 0.0     |                   |           |
|                  |               |         |          | P6      | ersonnel Total    | \$0.0     |
|                  |               | Tislast | David    | Tatal   | Deile             | Tuessel   |
| Travel Costs:    |               | Ticket  | Round    | Total   | Daily<br>Dar Diam | Travel    |
| Description      |               | Price   | Trips    | Days    | Per Diem          | Sum       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         |          |         |                   | 0.0       |
|                  |               |         | 1 1      |         | Travel Total      | \$0.0     |

FY16

Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
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|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY16

Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
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Program Title: Intensive Juvenile Herring Surveys Team Leader: Michele Buckhorn

FORM 3B EQUIPMENT DETAIL

| Budget Category:                                |         | Proposed | Proposed | Proposed | Proposed | TOTAL     |
|---|---------|----------|----------|----------|----------|-----------|
|   | FY 12   | FY 13    | FY 14    | FY 15    | FY 16    | PROPOSED  |
| _   |         |          |          |          |          |           |
| Personnel                                       | \$0     | \$49,900 | \$40,900 | \$55,300 | \$55,900 | \$202,000 |
| Travel  | \$0     | \$3,600  | \$3,600  | \$3,600  | \$3,600  | \$14,400  |
| Contractual                                     | \$0     | \$2,000  | \$3,600  | \$3,000  | \$0      | \$8,600   |
| Commodities                                     | \$0     | \$4,000  | \$0      | \$2,000  | \$0      | \$6,000   |
| Equipment                                       | \$6,000 | \$0      | \$0      | \$0      | \$0      | \$6,000   |
| Indirect Costs ( <i>will vary by proposer</i> ) | \$0     | \$17,900 | \$14,400 | \$19,200 | \$17,900 | \$69,400  |
| SUBTOTAL  | \$6,000 | \$77,400 | \$62,500 | \$83,100 | \$77,400 | \$306,400 |
|   |         |          |          |          |          |           |
| General Administration (9% of subtotal)         | \$500   | \$7,000  | \$5,600  | \$7,500  | \$7,000  | \$27,600  |
| -   |         |          |          |          |          |           |
| PROJECT TOTAL                                   | \$6,500 | \$84,400 | \$68,100 | \$90,600 | \$84,400 | \$334,000 |
|   |         |          |          |          |          |           |
| Other Resources (Cost Share Funds)              | \$0     | \$0      | \$0      | \$0      | \$0      | \$0       |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs:      |                | Months   | Monthly |            | Personnel |
|-----------------------|----------------|----------|---------|------------|-----------|
| Name                  | Project Title  | Budgeted | Costs   | Overtime   | Sum       |
| Michele Buckhorn, PhD | PI             | 3.0      | 8500.0  |            | 25,500.0  |
| Richard Thorne, PhD   | co-PI          | 0.3      | 11333.3 |            | 3,400.0   |
| James Thorne          | acoustics tech | 3.0      | 7000.0  |            | 21,000.0  |
|                       |                |          |         |            | 0.0       |
|                       |                |          |         |            | 0.0       |
|                       |                |          |         |            | 0.0       |
|                       |                |          |         |            | 0.0       |
|                       |                |          |         |            | 0.0       |
|                       |                |          |         |            | 0.0       |
|                       |                |          |         |            | 0.0       |
|                       |                |          |         |            | 0.0       |
|                       |                |          |         |            | 0.0       |
|                       |                | Subtotal | 26833.3 | 0.0        |           |
| Personnel Total       |                |          |         | \$49,900.0 |           |

| Travel Costs:                                | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description                                  | Price  | Trips | Days  | Per Diem     | Sum       |
| Cordova to Anchorage AMSS - Michele Buckhorn | 600.0  | 1     | 4     | 200.0        | 1,400.0   |
| Conference travel - Michele Buckhorn         | 1200.0 | 1     | 5     | 200.0        | 2,200.0   |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$3,600.0 |

Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| Network, phone (\$150/man month)  | 1,000.0   |
| printing  | 1,000.0   |
|   |           |
|   |           |
|   |           |
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|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$2,000.0 |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
| Sampling supplies  | 2,500.0     |
| Acoustic laptop    | 1,500.0     |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$4,000.0   |



Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
|  |          |                     |
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Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B EQUIPMENT DETAIL

| Personnel Costs:      |                | Months   | Monthly    |          | Personnel |
|-----------------------|----------------|----------|------------|----------|-----------|
| Name                  | Project Title  | Budgeted | Costs      | Overtime | Sum       |
| Michele Buckhorn, PhD | PI             | 2.5      | 9000.0     |          | 22,500.0  |
| Richard Thorne, PhD   | co-PI          | 0.3      | 11333.3    |          | 3,400.0   |
| James Thorne          | acoustics tech | 2.0      | 7500.0     |          | 15,000.0  |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                |          |            |          | 0.0       |
|                       |                | Subtotal | 27833.3    | 0.0      |           |
| Personnel Total       |                |          | \$40,900.0 |          |           |

| Travel Costs:                                | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description                                  | Price  | Trips | Days  | Per Diem     | Sum       |
| Cordova to Anchorage AMSS - Michele Buckhorn | 600.0  | 1     | 4     | 200.0        | 1,400.0   |
| Conference travel - Michele Buckhorn         | 1200.0 | 1     | 5     | 200.0        | 2,200.0   |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$3,600.0 |

Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| network, phone (\$150/man month)  | 800.0     |
| printing  | 800.0     |
| equipment calibration   | 2,000.0   |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$3,600.0 |

| Commodities Costs:                | Commodities |
|-----------------------------------|-------------|
| Commodities Costs:<br>Description | Sum         |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
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|                                   |             |
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|                                   |             |
| Commodities Total                 | \$0.0       |

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FY14

Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

Team L

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
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Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B EQUIPMENT DETAIL

| Personnel Costs:      |                                   | Months   | Monthly |            | Personnel |
|-----------------------|-----------------------------------|----------|---------|------------|-----------|
| Name                  | Project Title Budgeted Costs Over | Overtime | Sum     |            |           |
| Michele Buckhorn, PhD | PI                                | 3.0      | 9400.0  |            | 28,200.0  |
| Richard Thorne, PhD   | co-PI                             | 0.3      | 11333.3 |            | 3,400.0   |
| James Thorne          | acoustics tech                    | 3.0      | 7900.0  |            | 23,700.0  |
|                       |                                   |          |         |            | 0.0       |
|                       |                                   |          |         |            | 0.0       |
|                       |                                   |          |         |            | 0.0       |
|                       |                                   |          |         |            | 0.0       |
|                       |                                   |          |         |            | 0.0       |
|                       |                                   |          |         |            | 0.0       |
|                       |                                   |          |         |            | 0.0       |
|                       |                                   |          |         |            | 0.0       |
|                       |                                   |          |         |            | 0.0       |
| Subtotal 28633.3 0.0  |                                   |          |         |            |           |
| Personnel Total       |                                   |          |         | \$55,300.0 |           |

| Travel Costs:                                | Ticket | Round | Total | Daily     | Travel  |
|--|--------|-------|-------|-----------|---------|
| Description                                  | Price  | Trips | Days  | Per Diem  | Sum     |
| Cordova to Anchorage AMSS - Michele Buckhorn | 600.0  | 1     | 4     | 200.0     | 1,400.0 |
| Conference travel - Michele Buckhorn         | 1200.0 | 1     | 5     | 200.0     | 2,200.0 |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
| Travel Total                                 |        |       |       | \$3,600.0 |         |

Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract  |
|---|-----------|
| Description   | Sum       |
| Network, phone  | 1,000.0   |
| equipment calibration   | 1,000.0   |
| printing  | 1,000.0   |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
|   |           |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$3,000.0 |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
| sampling supplies  | 2,000.0     |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$2,000.0   |



Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:                | Number   | Inventory |
|--|----------|-----------|
| Existing Equipment Usage:<br>Descriptior | of Units | Agency    |
|  |          |           |
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Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B EQUIPMENT DETAIL

| Personnel Costs:      |                      | Months   | Monthly |               | Personnel  |
|-----------------------|----------------------|----------|---------|---------------|------------|
| Name                  | Project Title        | Budgeted | Costs   | Overtime      | Sum        |
| Michele Buckhorn, PhD | PI                   | 3.0      | 9400.0  |               | 28,200.0   |
| Richard Thorne, PhD   | co-PI                | 0.3      | 11333.3 |               | 3,400.0    |
| James Thorne          | acoustics tech       | 3.0      | 8100.0  |               | 24,300.0   |
|                       |                      |          |         |               | 0.0        |
|                       |                      |          |         |               | 0.0        |
|                       |                      |          |         |               | 0.0        |
|                       |                      |          |         |               | 0.0        |
|                       |                      |          |         |               | 0.0        |
|                       |                      |          |         |               | 0.0        |
|                       |                      |          |         |               | 0.0        |
|                       |                      |          |         |               | 0.0        |
|                       |                      |          |         |               | 0.0        |
|                       | Subtotal 28833.3 0.0 |          |         | 0.0           |            |
|                       |                      |          | Pe      | rsonnel Total | \$55,900.0 |

| Travel Costs:                                | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description                                  | Price  | Trips | Days  | Per Diem     | Sum       |
| Cordova to Anchorage AMSS - Michele Buckhorn | 600.0  | 1     | 4     | 200.0        | 1,400.0   |
| Conference travel - Michele Buckhorn         | 1200.0 | 1     | 5     | 200.0        | 2,200.0   |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$3,600.0 |

FY16

Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
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|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
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|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY16

Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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Program Title: Expanded Adult Surveys Team Leader: Michele Buckhorn

FORM 3B EQUIPMENT DETAIL

| Budget Category:                        | FY 12          | Proposed<br>FY 13 | Proposed<br>FY 14 | Proposed<br>FY 15 | Proposed<br>FY 16 | TOTAL<br>PROPOSED |
|---|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Dereenal                                | <b>C</b>       | <b>C</b>          | <b>C</b>          | <b>C</b>          | ۳O                |                   |
| Personnel<br>Travel                     | \$0<br>\$2,000 | <u>\$0</u><br>\$0 | \$0<br>\$0        | \$0<br>\$0        | \$0<br>\$0        | \$0<br>\$2,000    |
| Contractual                             | \$23,000       | \$0<br>\$0        | \$0<br>\$0        |                   | \$0<br>\$0        | \$23,000          |
| Commodities                             | \$5,000        | \$0               | \$0               | \$0               | \$0               | \$5,000           |
| Equipment                               | \$0            | \$0               | \$0               |                   | \$0               | \$0               |
| SUBTOTAL                                | \$30,000       | \$0               | \$0               | \$0               | \$0               | \$30,000          |
| General Administration (9% of subtotal) | \$2,700        | \$0               | \$0               | \$0               | \$0               | \$2,700           |
| PROJECT TOTAL                           | \$32,700       | \$0               | \$0               | \$0               | \$0               | \$32,700          |
| Other Resources (Cost Share Funds)      | \$0            | \$0               | \$0               | \$0               | \$0               | \$0               |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title:HI-res condition monitoring Team Leader:Heintz Agency: NOAA ±D69

FORM 4A TRUSTEE AGENCY SUMMARY

| Personnel Costs: |               |        | Months   | Monthly |                | Personnel |
|------------------|---------------|--------|----------|---------|----------------|-----------|
| Name             | Project Title |        | Budgeted | Costs   | Overtime       | Sum       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         | 0.0            | 0.0       |
|                  |               |        | Subtotal | 0.0     |                | <u> </u>  |
|                  |               |        |          | P6      | ersonnel Total | \$0.0     |
| Travel Costs:    |               | Ticket | Round    | Total   | Daily          | Travel    |
| Description      |               | Price  | Trips    |         | Per Diem       | Sum       |
|                  |               | FILCE  | Thps     | Days    | Fei Dieili     | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        | · ·      |         | Travel Total   | \$0.0     |

FY13

Program Inte:HI-res condition monitoring Team Leader:Heintz Agency: NOAA +D69

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY13

| Program Hite:Hi-res condition monitoring Team<br>Leader:Heintz<br>Agency: NOAA<br>+D69 | FORM 4B<br>CONTRACTUAL &<br>COMMODITIES DETAIL |
|--|--|
|--|--|

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
|  |          |                     |
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| FY13 |
|------|
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| Program Inte: ni-res condition monitoring | ream |
|---|------|
| Leader:Heintz                             |      |
| Agency: NOAA                              |      |
| ±D69                                      |      |

FORM 4B EQUIPMENT DETAIL

| Personnel Costs: |               |        | Months   | Monthly |               | Personnel |
|------------------|---------------|--------|----------|---------|---------------|-----------|
| Name             | Project Title |        | Budgeted | Costs   | Overtime      | Sum       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        | Subtotal | 0.0     | 0.0           | 0.0       |
|                  |               |        | Subiolal |         | rsonnel Total | \$0.0     |
|                  |               |        |          | 10      |               | φ0.0      |
| Travel Costs:    |               | Ticket | Round    | Total   | Daily         | Travel    |
| Description      |               | Price  | Trips    | Days    | Per Diem      | Sum       |
|                  |               |        |          | 20,70   |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         |               | 0.0       |
|                  |               |        |          |         | Travel Total  | \$0.0     |

FY14

Leader:Heintz Agency: NOAA

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

| Program Title: Hi-res condition monitoring | FORM 4B            |
|--|--------------------|
| Team Leader: Heintz                        | CONTRACTUAL &      |
| Agency: NOAA                               | COMMODITIES DETAIL |

FY14

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |

Program Title: Hi-res condition monitoring Team Leader: Heintz Agency: NOAA

FORM 4B EQUIPMENT DETAIL

| Personnel Costs: |               |        | Months   | Monthly |                | Personnel    |
|------------------|---------------|--------|----------|---------|----------------|--------------|
| Name             | Project Title |        | Budgeted | Costs   | Overtime       | Sum          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        | Subtotal | 0.0     | 0.0            |              |
|                  |               |        |          | Pe      | ersonnel Total | \$0.0        |
|                  |               |        |          |         |                |              |
| Travel Costs:    |               | Ticket | Round    | Total   | Daily          | Travel       |
| Description      |               | Price  | Trips    | Days    | Per Diem       | Sum          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        | + +      |         |                | 0.0          |
|                  |               |        | + +      |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         |                | 0.0          |
|                  |               |        |          |         | Travel Total   | 0.0<br>\$0.0 |
|                  |               |        |          |         | Travel Total   | <b>Ф</b> О.0 |

Program Title: Hi-res condition monitoring Team Leader: Heintz Agency: NOAA

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY15

| Program Title: Hi-res condition monitoring | FORM 4B            |
|--|--------------------|
| Team Leader: Heintz                        | CONTRACTUAL &      |
| Agency: NOAA                               | COMMODITIES DETAIL |

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
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Program Title: Hi-res condition monitoring Team Leader: Heintz Agency: NOAA

FORM 4B EQUIPMENT DETAIL

| Personnel Costs: |               |        | Months   | Monthly |                       | Personnel |
|------------------|---------------|--------|----------|---------|-----------------------|-----------|
| Name             | Project Title |        | Budgeted | Costs   | Overtime              | Sum       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        | Ouhtetal | 0.0     | 0.0                   | 0.0       |
|                  |               |        | Subtotal | 0.0     | 0.0<br>ersonnel Total |           |
|                  |               |        |          | Fe      | ersonner rotar        | \$0.0     |
| Travel Costs:    |               | Ticket | Round    | Total   | Daily                 | Travel    |
| Description      |               | Price  | Trips    | Days    | Per Diem              | Sum       |
|                  |               | 11100  | Theo     | Days    | T CI Diciti           | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         | Travel Total          | \$0.0     |

| FY16 |  |
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Program Title: Hi-res condition monitoring Team Leader: Heintz Agency: NOAA

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
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|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

| Program Title: Hi-res condition monitoring | FORM 4B            |
|--|--------------------|
| Team Leader: Heintz                        | CONTRACTUAL &      |
| Agency: NOAA                               | COMMODITIES DETAIL |

FY16

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
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Program Title: Hi-res condition monitoring Team Leader: Heintz Agency: NOAA

FORM 4B EQUIPMENT DETAIL

| Budget Category:                        | FY 12 | Proposed<br>FY 13 | Proposed<br>FY 14 | Proposed<br>FY 15 | Proposed<br>FY 16 | TOTAL<br>PROPOSED |  |
|---|-------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
|   |       |                   |                   |                   |                   |                   |  |
| Personnel                               | \$0   | \$0               | \$17,500          | \$17,500          | \$0               | \$35,000          |  |
| Travel                                  | \$0   | \$0               | \$3,400           | \$5,800           | \$0               | \$9,200           |  |
| Contractual                             | \$0   | \$0               | \$0               | \$0               | \$0               | \$0               |  |
| Commodities                             | \$0   | \$0               | \$25,400          | \$25,400          | \$0               | \$50,800          |  |
| Equipment                               | \$0   | \$0               | \$0               | \$0               | \$0               | \$0               |  |
| SUBTOTAL                                | \$0   | \$0               | \$46,300          | \$48,700          | \$0               | \$95,000          |  |
| General Administration (9% of subtotal) | \$0   | \$0               | \$4,200           | \$4,400           | \$0               | \$8,600           |  |
| PROJECT TOTAL                           | \$0   | <u>\$0</u>        | \$50,500          | \$53,100          | \$0               | \$103,600         |  |
| Other Resources (Cost Share Funds)      | \$0   | \$0               | \$0               | \$0               | \$0               | \$0               |  |

FY12-16

Program Title:Genetic Stock Indicators Team Leader:Guyon and Wildes Agency: NOAA

FORM 4A TRUSTEE AGENCY SUMMARY

| Personnel Costs: |               | Months   | Monthly |                | Personnel |
|------------------|---------------|----------|---------|----------------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime       | Sum       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0            |           |
|                  |               |          | Pe      | ersonnel Total | \$0.0     |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

Leader: Guyon and Wildes Agency: NOAA

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

Leader: Guyon and Wildes Agency: NOAA

FORM 4B CONTRACTUAL & COMMODITIES DETAIL

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | •      |
|--|----------|--------|
| Description                              | of Units | Agency |
|  |          |        |
|  |          |        |
|  |          |        |
|  |          |        |
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|  |          |        |

Leader: Guyon and Wildes Agency: NOAA

FORM 4B EQUIPMENT DETAIL

| Personnel Costs: |                          | Months   | Monthly |            | Personnel |
|------------------|--------------------------|----------|---------|------------|-----------|
| Name             | Project Title            | Budgeted | Costs   | Overtime   | Sum       |
| Technician       | Genetic Stock Inidcators | 2.5      | 7000.0  |            | 17,500.0  |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          |          |         |            | 0.0       |
|                  |                          | Subtotal | 7000.0  | 0.0        |           |
| Personnel Total  |                          |          |         | \$17,500.0 |           |

| Travel Costs:                    | Ticket | Round | Total | Daily        | Travel    |
|----------------------------------|--------|-------|-------|--------------|-----------|
| Description                      | Price  | Trips | Days  | Per Diem     | Sum       |
| Trips to AMSS (Guyon and Wildes) | 400.0  | 2     | 8     | 200.0        | 2,400.0   |
| Trip to Cordova (Wildes)         | 400.0  | 1     | 3     | 200.0        | 1,000.0   |
|                                  |        |       |       |              | 0.0       |
|                                  |        |       |       |              | 0.0       |
|                                  |        |       |       |              | 0.0       |
|                                  |        |       |       |              | 0.0       |
|                                  |        |       |       |              | 0.0       |
|                                  |        |       |       |              | 0.0       |
|                                  |        |       |       |              | 0.0       |
|                                  |        |       |       |              | 0.0       |
|                                  |        |       |       |              | 0.0       |
|                                  |        |       |       | Travel Total | \$3,400.0 |

Leader: Guyon and Wildes Agency: NOAA

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
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|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
| Supplies           | 25,400.0    |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$25,400.0  |

| Program Title:Genetic Stock Indicators | Team |
|--|------|
| Leader: Guyon and Wildes               |      |
| Agency: NOAA                           |      |

FORM 4B CONTRACTUAL & COMMODITIES DETAIL

FY14

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
| New Equipment Total      |          | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   |        |
|--|----------|--------|
| Description                              | of Units | Agency |
|  |          |        |
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Leader: Guyon and Wildes Agency: NOAA

FORM 4B EQUIPMENT DETAIL

| Personnel Costs: |                          | Months   | Monthly |               | Personnel  |
|------------------|--------------------------|----------|---------|---------------|------------|
| Name             | Project Title            | Budgeted | Costs   | Overtime      | Sum        |
| ТВА              | Genetic Stock Indicators | 2.5      | 7000.0  |               | 17,500.0   |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          |          |         |               | 0.0        |
|                  |                          | Subtotal | 7000.0  | 0.0           |            |
|                  |                          |          | Pe      | rsonnel Total | \$17,500.0 |

| Travel Costs:                           | Ticket | Round | Total | Daily        | Travel    |
|---|--------|-------|-------|--------------|-----------|
| Description                             | Price  | Trips | Days  | Per Diem     | Sum       |
| Trip to Yakutat (technician and Wildes) | 400.0  | 2     | 8     | 200.0        | 2,400.0   |
| Trip to AMSS (Guyon and Wildes)         | 400.0  | 2     | 8     | 200.0        | 2,400.0   |
| Trip to Cordova (Wildes)                | 400.0  | 1     | 3     | 200.0        | 1,000.0   |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       | Travel Total | \$5,800.0 |

Leader: Guyon and Wildes Agency: NOAA

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
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|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    | 25,400.0    |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
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|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$25,400.0  |

| Program Title:Genetic Stock Indicators | Team |
|--|------|
| Leader: Guyon and Wildes               |      |
| Agency: NOAA                           |      |

FORM 4B CONTRACTUAL & COMMODITIES DETAIL

FY15

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
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Leader: Guyon and Wildes Agency: NOAA +A46

| Personnel Costs: |               |          | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               | Subtotal |         |          |           |
| Personnel Total  |               |          |         |          | \$0.0     |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| FY16 |
|------|
|------|

Program Title: Genetic Stock Indicators Team Leader: Guyon and Wildes Agency: NOAA

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
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|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
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|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

Program Title: Genetic Stock Indicators Team Leader: Guyon and Wildes Agency: NOAA

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | •      |
|--|----------|--------|
| Description                              | of Units | Agency |
|  |          |        |
|  |          |        |
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|  |          |        |
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Program Title: Genetic Stock Indicators Team Leader: Guyon and Wildes Agency: NOAA

| Budget Category:                        |          | Proposed | Proposed | Proposed | Proposed | TOTAL    |  |
|---|----------|----------|----------|----------|----------|----------|--|
|   | FY 12    | FY 13    | FY 14    | FY 15    | FY 16    | PROPOSED |  |
|   |          |          |          |          |          |          |  |
| Personnel                               | \$0      | \$0      | \$0      | \$0      | \$0      | \$0      |  |
| Travel                                  | \$0      | \$6,400  | \$0      | \$0      | \$0      | \$6,400  |  |
| Contractual                             | \$15,000 | \$36,000 | \$0      | \$0      | \$0      | \$51,000 |  |
| Commodities                             | \$1,900  | \$2,800  | \$0      | \$0      | \$0      | \$4,700  |  |
| Equipment                               | \$0      | \$0      | \$0      | \$0      | \$0      | \$0      |  |
| SUBTOTAL                                | \$16,900 | \$45,200 | \$0      | \$0      | \$0      | \$62,100 |  |
|   |          |          |          |          |          |          |  |
| General Administration (9% of subtotal) | \$1,500  | \$3,900  | \$0      | \$0      | \$0      | \$5,400  |  |
|   |          |          |          |          |          |          |  |
| PROJECT TOTAL                           | \$18,400 | \$49,100 | \$0      | \$0      | \$0      | \$67,500 |  |
|   |          |          |          |          |          |          |  |
| Other Resources (Cost Share Funds)      | \$0      | \$0      | \$0      | \$0      | \$0      | \$0      |  |

NOAA contributes salaries for Heintz and Vollenweider for project management

## FY12-16

Program Title:Fatty Acids and Winter Migration Team Leader:Heintz and Vollenweider Agency: NOAA

FORM 4A TRUSTEE AGENCY SUMMARY

| Personnel Costs: |               | Months   | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0      |           |
| Personnel Total  |               |          |         |          | \$0.0     |

| Travel Costs:   | Ticket | Round | Total | Daily        | Travel    |
|---|--------|-------|-------|--------------|-----------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum       |
| 2 trips to AMSS (Heintz and Sewall)                       | 400.0  | 2     | 8     | 200.0        | 2,400.0   |
| 2 trip to Cordova for herring meeting (Heintz and Sewall) | 400.0  | 2     | 6     | 200.0        | 2,000.0   |
| 2 trip to Cordova for herring tagging                     | 400.0  | 2     | 6     | 200.0        | 2,000.0   |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       | Travel Total | \$6,400.0 |

| FY13 |  |
|------|--|
|------|--|

| Contractual Costs:  | Contract               |
|---|------------------------|
| Description   | Sum                    |
| Contract for sample prep  | 17,500.0               |
| Contract for GC/MS analysis   | 13,500.0               |
| Contract for data management  | 5,000.0                |
|   |                        |
|   |                        |
|   |                        |
|   |                        |
|   |                        |
|   |                        |
|   |                        |
|   |                        |
|   |                        |
|   |                        |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual 1 | <b>otal</b> \$36,000.0 |

| Commodities Costs:  | Commodities |
|---|-------------|
| Description   | Sum         |
| Sample vials, gases, reagents, fatty acid standards, standard reference materials | 2,800.0     |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
|   |             |
| Commodities Total   | \$2,800.0   |

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          | \$0.0 |           |

| Existing Equipment Usage:           | Number   | Inventory |
|-------------------------------------|----------|-----------|
| Description                         | of Units | Agency    |
| Rearing tanks in wet lab            | 6        | 6         |
| Supercold freezer                   | 1        | 1         |
| gas chromatograph/mass spectrometer | 1        | 1         |
| accelerated solvent extractor       | 1        | 1         |
| computers                           | 2        | 2         |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |
|                                     |          |           |

Program Title:Fatty Acids and Winter Migration Team Leader:Heintz and Vollenweider Agency: NOAA

| Personnel Costs: |               | Months   | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0      |           |
| Personnel Total  |               |          |         | \$0.0    |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| FY14 |
|------|
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| Contractual Costs:<br>Description   | Contract<br>Sum |
|---|-----------------|
|   |                 |
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|   |                 |
|   |                 |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0           |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | •      |
|--|----------|--------|
| Description                              | of Units | Agency |
|  |          |        |
|  |          |        |
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|  |          |        |

Program Title:Fatty Acids and Winter Migration Team Leader:Heintz and Vollenweider Agency: NOAA

| Personnel Costs: |               | Months   | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
| Subtotal 0.0 0.0 |               |          |         |          |           |
| Personnel Total  |               |          |         | \$0.0    |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |

Program Title:Fatty Acids and Winter Migration Team Leader:Heintz and Vollenweider Agency: NOAA

| Personnel Costs: |               | Months   | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
| Subtotal 0.0 0.0 |               |          |         |          |           |
| Personnel Total  |               |          |         | \$0.0    |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| FY16 |
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|------|

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
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|   |          |
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|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |
|  |          |           |

Program Title:Fatty Acids and Winter Migration Team Leader:Heintz and Vollenweider Agency: NOAA

| Budget Category:                        |          | Proposed | Proposed   | Proposed | Proposed | TOTAL    |  |
|---|----------|----------|------------|----------|----------|----------|--|
| l L                                     | FY 12    | FY 13    | FY 14      | FY 15    | FY 16    | PROPOSED |  |
|   | <b></b>  |          | <b>6</b> 0 | <b></b>  |          |          |  |
| Personnel                               | \$0      | \$0      | \$0        | \$0      | \$0      | \$0      |  |
| Travel                                  | \$4,000  | \$3,100  | \$0        | \$0      | \$0      | \$7,100  |  |
| Contractual                             | \$38,000 | \$14,400 | \$0        | \$0      | \$0      | \$52,400 |  |
| Commodities                             | \$3,500  | \$2,500  | \$0        | \$0      | \$0      | \$6,000  |  |
| Equipment                               | \$0      | \$0      | \$0        | \$0      | \$0      | \$0      |  |
| SUBTOTAL                                | \$45,500 | \$20,000 | \$0        | \$0      | \$0      | \$65,500 |  |
|   |          |          |            |          |          |          |  |
| General Administration (9% of subtotal) | \$4,100  | \$1,800  | \$0        | \$0      | \$0      | \$5,900  |  |
|   |          |          |            |          |          |          |  |
| PROJECT TOTAL                           | \$49,600 | \$21,800 | \$0        | \$0      | \$0      | \$71,400 |  |
|   |          |          |            |          |          |          |  |
| Other Resources (Cost Share Funds)      | \$0      | \$0      | \$0        | \$0      | \$0      | \$0      |  |

FY12-16

Program Title:Age at first spawning Team Leader: Vollenweider Agency: NOAA

FORM 4A TRUSTEE AGENCY SUMMARY

| Personnel Costs: |               | Months   | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0      |           |
| Personnel Total  |               |          |         | \$0.0    |           |

| Travel Costs:                               | Ticket | Round | Total | Daily        | Travel    |
|---|--------|-------|-------|--------------|-----------|
| Description                                 | Price  | Trips | Days  | Per Diem     | Sum       |
| Field trip to Cordova (1) to collect scales | 450.0  | 1     | 4     | 162.5        | 1,100.0   |
| Attend annual herring meeting in Cordova    | 500.0  | 1     | 3     | 166.7        | 1,000.0   |
| Attend AMSS in Anchorage                    | 500.0  | 1     | 3     | 166.7        | 1,000.0   |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       | Travel Total | \$3,100.0 |

Program Title:Age at first spawning Team Leader: Vollenweider Agency: NOAA

| Contractual Costs:  |                   | Contract   |
|---|-------------------|------------|
| Description   |                   | Sum        |
| Scale reading   |                   | 12,000.0   |
| Contract for data management  |                   | 2,400.0    |
|   |                   | 0.0        |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$14,400.0 |

| Commodities Costs:<br>Description | Commodities |
|-----------------------------------|-------------|
| Description                       | Sum         |
| sample containers, shipping       | 2,500.0     |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
| Commodities Total                 | \$2,500.0   |

| Program Title:Hi-res condition monitoring | Team |
|---|------|
| Leader:Heintz                             |      |
| Agency: NOAA                              |      |

FORM 4B CONTRACTUAL & COMMODITIES DETAIL

FY13

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
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Program Title:Fatty Acids and Winter Migration Team Leader:Heintz and Vollenweider Agency: NOAA

| Personnel Costs: |               |          | Monthly |                | Personnel |
|------------------|---------------|----------|---------|----------------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime       | Sum       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0            |           |
|                  |               |          | Pe      | ersonnel Total | \$0.0     |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

Program Title:Age at first spawning Team Leader: Vollenweider Agency: NOAA

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

Leader: Vollenweider Agency: NOAA

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | •      |
|--|----------|--------|
|  | of Units | Agency |
|  |          |        |
|  |          |        |
|  |          |        |
|  |          |        |
|  |          |        |
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|  |          |        |

Leader: Vollenweider Agency: NOAA

| Personnel Costs: |               | Months   | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0      |           |
| Personnel Total  |               |          |         | \$0.0    |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

Leader: Vollenweider Agency: NOAA

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
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|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

Leader: Vollenweider Agency: NOAA

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |
|  |          |           |

Leader: Vollenweider Agency: NOAA

| Personnel Costs: |                 | Months   | Monthly |          | Personnel |
|------------------|-----------------|----------|---------|----------|-----------|
| Name             | Project Title   | Budgeted | Costs   | Overtime | Sum       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 | Subtotal | 0.0     | 0.0      |           |
|                  | Personnel Total |          |         |          |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

Leader: Vollenweider Agency: NOAA

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

Leader: Vollenweider Agency: NOAA

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |
|  |          |           |

Leader: Vollenweider Agency: NOAA

| Budget Category:                        | FY 12 | Proposed<br>FY 13 | Proposed<br>FY 14                            | Proposed<br>FY 15 | Proposed<br>FY 16 | TOTAL<br>PROPOSED |
|---|-------|-------------------|--|-------------------|-------------------|-------------------|
| L                                       | FT TZ | FTIS              | F1 14  | FTIJ              | FTTO              | FROFUSED          |
| Personnel                               | \$0   | \$0               | \$0  | \$0               | \$0               | \$0               |
| Travel                                  | \$0   | \$0               | \$3,900                                      | \$7,100           | \$4,000           | \$15,000          |
| Contractual                             | \$0   | \$75,000          | \$75,000                                     | \$75,000          | \$75,000          | \$300,000         |
| Commodities                             | \$0   | \$6,000           | \$5,000                                      | \$5,000           | \$5,000           | \$21,000          |
| Equipment                               | \$0   | \$0               | \$0  | \$0               | \$0               | \$0               |
| SUBTOTAL                                | \$0   | \$81,000          | \$83,900                                     | \$87,100          | \$84,000          | \$336,000         |
| General Administration (9% of subtotal) | \$0   | \$7,300           | \$7,600                                      | \$7,800           | \$7,600           | \$30,300          |
|   |       | <del>_</del>      | <i>•••••••••••••••••••••••••••••••••••••</i> | <i> </i>          | ÷ ,               |                   |
| PROJECT TOTAL                           | \$0   | \$88,300          | \$91,500                                     | \$94,900          | \$91,600          | \$366,300         |
|   |       |                   |  |                   |                   |                   |
| Other Resources (Cost Share Funds)      | \$0   | \$0               | \$0  | \$0               | \$0               | \$0               |

FY12-16

Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

FORM 4A TRUSTEE AGENCY SUMMARY

| Personnel Costs: |               | Months   | Monthly |                | Personnel |
|------------------|---------------|----------|---------|----------------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime       | Sum       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0            |           |
|                  |               |          | Pe      | ersonnel Total | \$0.0     |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| Contractual Costs:  |                   | Contract   |
|---|-------------------|------------|
| Description   |                   | Sum        |
| Contract for RNA/DNA analysis   |                   | 35000      |
| Contract for lipid analysis   |                   | 35000      |
| Contract for data consolidation   |                   | 5000       |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$75,000.0 |

| Commodities Costs:  | Commodities |
|---|-------------|
| Description   | Sum         |
| Sample vials, gases, reagents, fatty acid standards, standard reference materials | 6,000.0     |
|   |             |
|   |             |
|   |             |
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|   |             |
|   |             |
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|   |             |
|   |             |
|   |             |
| Commodities Total   | \$6,000.0   |

Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   |        |
|--|----------|--------|
| Description                              | of Units | Agency |
|  |          |        |
|  |          |        |
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Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| Personnel Costs: |               | Months   | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0      |           |
| Personnel Total  |               |          |         | \$0.0    |           |

| Travel Costs:                               | Ticket | Round | Total | Daily        | Travel    |
|---|--------|-------|-------|--------------|-----------|
| Description                                 | Price  | Trips | Days  | Per Diem     | Sum       |
| Travel to annual herring meeting in Cordova | 470.0  | 2     | 4     | 165.0        | 1,600.0   |
| Travel to AMSS in Anchorage                 | 490.0  | 2     | 8     | 165.0        | 2,300.0   |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       | Travel Total | \$3,900.0 |

Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| Contractual Costs:  |                   | Contract   |
|---|-------------------|------------|
| Description   |                   | Sum        |
| Contract for RNA/DNA analysis   |                   | 35000      |
| Contract for lipid analysis   |                   | 35000      |
| Contract for data consolidation   |                   | 5000       |
|   |                   |            |
|   |                   |            |
|   |                   |            |
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|   |                   |            |
|   |                   |            |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$75,000.0 |

| Commodities Costs:                                   | Commodities |
|--|-------------|
| Description  | Sum         |
| standards, sample vials, pipette tips, reagents, dye | 5,000.0     |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
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|  |             |
|  |             |
|  |             |
| Commodities Total                                    | \$5,000.0   |

Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
| New Equipment Total      |          | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   |        |
|--|----------|--------|
| Description                              | of Units | Agency |
|  |          |        |
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Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| Personnel Costs: |               | Months   | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
| Subtotal 0.0 0.0 |               |          |         |          |           |
| Personnel Total  |               |          | \$0.0   |          |           |

| Travel Costs:                               | Ticket | Round | Total | Daily        | Travel    |
|---|--------|-------|-------|--------------|-----------|
| Description                                 | Price  | Trips | Days  | Per Diem     | Sum       |
| Travel to annual herring meeting in Cordova | 470.0  | 2     | 4     | 165.0        | 1,600.0   |
| Travel to AMSS in Anchorage                 | 540.0  | 2     | 8     | 165.0        | 2,400.0   |
| Travel to Anchorage for Synthesis meeting   | 995.0  | 2     | 6     | 185.0        | 3,100.0   |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       | Travel Total | \$7,100.0 |

Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| Contractual Costs:  |                   | Contract   |
|---|-------------------|------------|
| Description   |                   | Sum        |
| Contract for RNA/DNA analysis   |                   | 35000      |
| Contract for lipid analysis   |                   | 35000      |
| Contract for data consolidation   |                   | 5000       |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
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|   |                   |            |
|   |                   |            |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$75,000.0 |

| Commodities Costs:                                   | Commodities |
|--|-------------|
| Description  | Sum         |
| standards, sample vials, pipette tips, reagents, dye | 5,000.0     |
|  |             |
|  |             |
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|  |             |
| Commodities Total                                    | \$5,000.0   |

Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          | \$0.0 |           |

| Existing Equipment Usage:<br>Description | Number<br>of Units |        |
|--|--------------------|--------|
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Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| Personnel Costs: |                  | Months   | Monthly |          | Personnel |
|------------------|------------------|----------|---------|----------|-----------|
| Name             | Project Title    | Budgeted | Costs   | Overtime | Sum       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  |                  |          |         |          | 0.0       |
|                  | Subtotal 0.0 0.0 |          |         |          |           |
|                  | Personnel Total  |          |         | \$0.0    |           |

| Travel Costs:                               | Ticket | Round | Total | Daily        | Travel    |
|---|--------|-------|-------|--------------|-----------|
| Description                                 | Price  | Trips | Days  | Per Diem     | Sum       |
| Travel to annual herring meeting in Cordova | 470.0  | 2     | 4     | 165.0        | 1,600.0   |
| Travel to AMSS in Anchorage                 | 540.0  | 2     | 8     | 165.0        | 2,400.0   |
|   | 0      | 0     | 0     | 0            | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       |              | 0.0       |
|   |        |       |       | Travel Total | \$4,000.0 |

Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| Contractual Costs:  |                   | Contract   |
|---|-------------------|------------|
| Description   |                   | Sum        |
| Contract for RNA/DNA analysis   |                   | 35000      |
| Contract for lipid analysis   |                   | 35000      |
| Contract for data consolidation   |                   | 5000       |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
|   |                   |            |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$75,000.0 |

| Commodities Costs:                                   | Commodities |
|--|-------------|
| Description  | Sum         |
| standards, sample vials, pipette tips, reagents, dye | 5,000.0     |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
| Commodities Total                                    | \$5,000.0   |

Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   |        |
|--|----------|--------|
| Description                              | of Units | Agency |
|  |          |        |
|  |          |        |
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Program Title:Long-term growth monitoring Team Leader:Heintz Agency: NOAA

| Budget Category:                        | 5)(40    | Proposed | Proposed | Proposed | Proposed | TOTAL     |  |
|---|----------|----------|----------|----------|----------|-----------|--|
| l L                                     | FY 12    | FY 13    | FY 14    | FY 15    | FY 16    | PROPOSED  |  |
|   |          |          |          |          |          | <u> </u>  |  |
| Personnel                               | \$58,800 | \$39,200 | \$0      | \$0      | \$0      | \$98,000  |  |
| Travel                                  | \$1,100  | \$500    | \$0      | \$0      | \$0      | \$1,600   |  |
| Contractual                             | \$200    | \$0      | \$0      | \$0      | \$0      | \$200     |  |
| Commodities                             | \$4,000  | \$0      | \$0      | \$0      | \$0      | \$4,000   |  |
| Equipment                               | \$15,000 | \$0      | \$0      | \$0      | \$0      |           |  |
| SUBTOTAL                                | \$79,100 | \$39,700 | \$0      | \$0      | \$0      | \$118,800 |  |
|   |          |          |          |          |          |           |  |
| General Administration (9% of subtotal) | \$7,100  | \$3,600  | \$0      | \$0      | \$0      | \$10,700  |  |
|   |          |          |          |          |          |           |  |
| PROJECT TOTAL                           | \$86,200 | \$43,300 | \$0      | \$0      | \$0      | \$129,500 |  |
|   |          |          |          |          |          |           |  |
| Other Resources (Cost Share Funds)      | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       |  |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal. Supervision of the project (1.0 months of FB III general funds = \$10.5 k), office space for equipment and personnel.

| FY12-16 |  |
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Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

FORM 4A TRUSTEE AGENCY SUMMARY

| Personnel Costs: |  | Months   | Monthly |                | Personnel  |
|------------------|--|----------|---------|----------------|------------|
| Name             | Project Title                                    | Budgeted | Costs   | Overtime       | Sum        |
| FWT II (vacant)  | Scales as growth history records for Pacific her | 8.0      | 4900.0  |                | 39,200.0   |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  |          |         |                | 0.0        |
|                  |  | Subtotal | 4900.0  | 0.0            |            |
|                  |  |          | Pe      | ersonnel Total | \$39,200.0 |

| Travel Costs:        | Ticket | Round | Total | Daily        | Travel  |
|----------------------|--------|-------|-------|--------------|---------|
| Description          | Price  | Trips | Days  | Per Diem     | Sum     |
| Travel to PI meeting | 300.0  | 1     | 2     | 100.0        | 500.0   |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       |              | 0.0     |
|                      |        |       |       | Travel Total | \$500.0 |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| Contractual Costs:<br>Description   | Contract<br>Sum |
|---|-----------------|
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|   |                 |
|   | <u> </u>        |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0           |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
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|                    |             |
|                    |             |
|                    |             |
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|                    |             |
| Commodities Total  | \$0.0       |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
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|  |          |           |
|  |          |           |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| Personnel Costs: |               | Months   | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0      |           |
| Personnel Total  |               |          |         |          | \$0.0     |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| Contractual Costs:<br>Description   | Contract<br>Sum |
|---|-----------------|
|   |                 |
|   |                 |
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|   |                 |
|   | <u> </u>        |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0           |

|                  | Commodities |
|------------------|-------------|
| Description      | Sum         |
|                  |             |
|                  |             |
|                  |             |
|                  |             |
|                  |             |
|                  |             |
|                  |             |
|                  |             |
|                  |             |
|                  |             |
|                  |             |
| Commodities Tota | \$0.0       |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
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Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| Personnel Costs: |                 | Months   | Monthly |          | Personnel |
|------------------|-----------------|----------|---------|----------|-----------|
| Name             | Project Title   | Budgeted | Costs   | Overtime | Sum       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 |          |         |          | 0.0       |
|                  |                 | Subtotal | 0.0     | 0.0      |           |
|                  | Personnel Total |          |         |          |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

|   | -        |
|---|----------|
| Contractual Costs:  | Contract |
| Description   | Sum      |
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number<br>of Units |          |
|--|--------------------|----------|
| ·  |                    | <u> </u> |
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Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| Personnel Costs: |               | Months   | Monthly |                | Personnel |
|------------------|---------------|----------|---------|----------------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime       | Sum       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0            |           |
|                  |               |          | Pe      | ersonnel Total | \$0.0     |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| Contractual Costs:<br>Description   | Contract<br>Sum |
|---|-----------------|
|   |                 |
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|   |                 |
|   | <u> </u>        |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0           |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
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|                    |             |
|                    |             |
|                    |             |
| Commodities Tota   | \$0.0       |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Description | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
|  |          |           |
|  |          |           |
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|  |          |           |

Program Title: Scales as growth history records for Pacific herring. Team Leader: Steve Moffitt Agency: Alaska Dept. of Fish and Game

| Budget Category:                        | FY 12 | Proposed<br>FY 13 | Proposed<br>FY 14 | Proposed<br>FY 15 | Proposed<br>FY 16 | TOTAL<br>PROPOSED |
|---|-------|-------------------|-------------------|-------------------|-------------------|-------------------|
|   |       |                   |                   |                   |                   |                   |
| Personnel                               | \$0.0 | \$0.0             | \$170,400.0       | \$186,600.0       | \$190,800.0       | \$547,800.0       |
| Travel                                  | \$0.0 | \$0.0             | \$17,000.0        | \$17,000.0        | \$18,400.0        | \$52,400.0        |
| Contractual                             | \$0.0 | \$0.0             | \$12,000.0        | \$12,000.0        | \$12,000.0        | \$36,000.0        |
| Commodities                             | \$0.0 | \$0.0             | \$46,000.0        | \$39,000.0        | \$39,000.0        | \$124,000.0       |
| Equipment                               | \$0.0 | \$0.0             | \$0.0             | \$0.0             | \$0.0             | \$0.0             |
| SUBTOTAL                                | \$0.0 | \$0.0             | \$245,400.0       | \$254,600.0       | \$260,200.0       | \$760,200.0       |
|   |       |                   |                   |                   |                   |                   |
| General Administration (9% of subtotal) | \$0.0 | \$0.0             | \$22,100.0        | \$22,900.0        | \$23,400.0        | \$68,400.0        |
|   |       |                   |                   |                   |                   |                   |
| PROJECT TOTAL                           | \$0.0 | \$0.0             | \$267,500.0       | \$277,500.0       | \$283,600.0       | \$828,600.0       |
|   |       |                   |                   |                   |                   |                   |
| Other Resources (Cost Share Funds)      | \$0.0 | \$0.0             | \$0.0             | \$0.0             | \$0.0             | \$0.0             |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

## FY12-16

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: USGS

FORM 4A TRUSTEE AGENCY SUMMARY

| Personnel Costs: |               | Months   | Monthly |                | Personnel |
|------------------|---------------|----------|---------|----------------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime       | Sum       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               |          |         |                | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0            |           |
|                  |               |          | Pe      | ersonnel Total | \$0.0     |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

FY13
Program Title: Herring Disease
Team Leader: Paul Hershberger
Agency: USGS
FORM 4B
PERSONNEL & TRAVEL
DETAIL

| Contractual Costs:<br>Description   | Contract<br>Sum |
|---|-----------------|
|   |                 |
|   |                 |
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|   |                 |
|   |                 |
|   |                 |
|   |                 |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0           |

| Commodities Costs: | Commodities<br>Sum |
|--------------------|--------------------|
| Description        | Sum                |
|                    |                    |
|                    |                    |
|                    |                    |
|                    |                    |
|                    |                    |
|                    |                    |
|                    |                    |
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|                    |                    |
|                    |                    |
|                    |                    |
| Commodities Total  | \$0.0              |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: USGS

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number<br>of Units | Inventory<br>Agency |
|--|--------------------|---------------------|
|  |                    |                     |
|  |                    |                     |
|  |                    |                     |
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FY13
Program Title: Herring Disease
Team Leader: Paul Hershberger
Agency: USGS
FORM 4B
EQUIPMENT DETAIL

| Personnel Costs: |               |          | Monthly |          | Personnel |
|------------------|---------------|----------|---------|----------|-----------|
| Name             | Project Title | Budgeted | Costs   | Overtime | Sum       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               |          |         |          | 0.0       |
|                  |               | Subtotal | 0.0     | 0.0      |           |
| Personnel Total  |               |          |         | \$0.0    |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

FY14 Program Title: Herring Disease Team Leader: Paul Hershberger Agency: USGS

| Contractual Costs:<br>Description   |                   | Contract<br>Sum   |
|---|-------------------|-------------------|
| Subcontract: assistance with laboratory studies   |                   | 12,000.0          |
|   |                   | ,                 |
|   |                   |                   |
|   |                   |                   |
|   |                   |                   |
|   |                   |                   |
|   |                   |                   |
|   |                   | <b>*</b> 10,000,0 |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$12,00           |

| Commodities Costs:   | Commodities             |
|--|-------------------------|
| Description  | Sum                     |
| Fish food, enrichments, and live feed production for SPF herring                               | 15,000.0                |
| Laboratory supplies (cell culture, histology, molecular biology, parasitology, virology, etc.) | 20,000.0                |
| Histology Supplies   | 3,000.0                 |
| Fluorescent in situ hybridization supplies   | 8,000.0                 |
|  |                         |
|  |                         |
|  |                         |
|  |                         |
|  |                         |
|  |                         |
|  |                         |
| Commodities  | <b>Total</b> \$46,000.0 |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: USGS

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number<br>of Units | Inventory<br>Agency |
|--|--------------------|---------------------|
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| r    | Program Title: Horring Disease | 1                |
|------|--------------------------------|------------------|
|      | Program Title: Herring Disease |                  |
| FY14 | Team Leader: Paul Hershberger  | FORM 4B          |
| F114 | Agency: USGS                   | EQUIPMENT DETAIL |
|      |                                |                  |

| Personnel Costs: |   | Months   | Monthly |             | Personnel |
|------------------|---|----------|---------|-------------|-----------|
| Name             | Project Title                                   | Budgeted | Costs   | Overtime    | Sum       |
| New Hire         | GS-7, Step-3 Lab Technician                     | 12.0     | 5000.0  |             | 60,000.0  |
| New Hire         | GS-7, Step-3 Lab Technician for in situ hybridi | 12.0     | 5000.0  |             | 60,000.0  |
| New Hire         | Student Intern (student services contract)      | 12.0     | 3000.0  |             | 36,000.0  |
| New Hire         | Summer Intern (student services contract)       | 6.0      | 2400.0  |             | 14,400.0  |
|                  |   |          |         |             | 0.0       |
|                  |   |          |         |             | 0.0       |
|                  |   |          |         |             | 0.0       |
|                  |   |          |         |             | 0.0       |
|                  |   |          |         |             | 0.0       |
|                  |   |          |         |             | 0.0       |
|                  |   |          |         |             | 0.0       |
|                  |   |          |         |             | 0.0       |
|                  |   | Subtotal | 15400.0 | 0.0         |           |
| Personnel Total  |   |          |         | \$170,400.0 |           |

| Travel Costs:  | Ticket | Round | Total | Daily        | Travel     |
|--|--------|-------|-------|--------------|------------|
| Description  | Price  | Trips | Days  | Per Diem     | Sum        |
| Nordland, WA - Anchorage (presentation @ AK marine Science Symp. | 1200.0 | 2     | 5     | 200.0        | 3,400.0    |
| Nordland, WA - Cordova (adult and juvenile herring sampling)     | 1400.0 | 4     | 10    | 200.0        | 7,600.0    |
| Nordland, WA - Sitka (adult herring sampling)                    | 1200.0 | 2     | 4     | 200.0        | 3,200.0    |
| Nordland, WA - Cordova (participate in PI integration meeting)   | 1400.0 | 1     | 7     | 200.0        | 2,800.0    |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       | Travel Total | \$17,000.0 |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: USGS

| Contractual Costs:<br>Description   |                   | Contract<br>Sum   |
|---|-------------------|-------------------|
| Subcontract: assistance with laboratory studies   |                   | 12,000.0          |
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|   |                   |                   |
|   |                   | <b>*</b> 10,000,0 |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$12,00           |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Fish food, enrichments, and live feed production for SPF herring                               | 17,000.0    |
| Laboratory supplies (cell culture, histology, molecular biology, parasitology, virology, etc.) | 22,000.0    |
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|  |             |
|  |             |
| Commodities Total  | \$39,000.0  |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: USGS

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number<br>of Units |          |
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FY15
Program Title: Herring Disease
Team Leader: Paul Hershberger
Agency: USGS
FORM 4B
EQUIPMENT DETAIL

| Personnel Costs: |  | Months   | Monthly     |          | Personnel |
|------------------|--|----------|-------------|----------|-----------|
| Name             | Project Title                                  | Budgeted | Costs       | Overtime | Sum       |
| New Hire         | GS-7, Step-4 Lab Technician (inlcudes benefits | 12.0     | 5200.0      |          | 62,400.0  |
| New Hire         | GS-9, Step-1 Post Doc (Inlcudes benefits)      | 12.0     | 6000.0      |          | 72,000.0  |
| New Hire         | Student Intern (student services contract)     | 12.0     | 3100.0      |          | 37,200.0  |
| New Hire         | Summer Intern (student services contract)      | 6.0      | 2500.0      |          | 15,000.0  |
|                  |  |          |             |          | 0.0       |
|                  |  |          |             |          | 0.0       |
|                  |  |          |             |          | 0.0       |
|                  |  |          |             |          | 0.0       |
|                  |  |          |             |          | 0.0       |
|                  |  |          |             |          | 0.0       |
|                  |  |          |             |          | 0.0       |
|                  |  |          |             |          | 0.0       |
|                  | Subtotal 16800.0 0.0                           |          |             | 0.0      |           |
| Personnel Total  |  |          | \$186,600.0 |          |           |

| Travel Costs:  | Ticket | Round | Total | Daily        | Travel     |
|--|--------|-------|-------|--------------|------------|
| Description  | Price  | Trips | Days  | Per Diem     | Sum        |
| Nordland, WA - Anchorage (presentation @ AK marine Science Symp. | 1200.0 | 2     | 5     | 200.0        | 3,400.0    |
| Nordland, WA - Cordova (adult and juvenile herring sampling)     | 1400.0 | 4     | 10    | 200.0        | 7,600.0    |
| Nordland, WA - Sitka (adult herring sampling)                    | 1200.0 | 2     | 4     | 200.0        | 3,200.0    |
| Nordland, WA - Cordova (participate in PI integration meeting)   | 1400.0 | 1     | 7     | 200.0        | 2,800.0    |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       |              | 0.0        |
|  |        |       |       | Travel Total | \$17,000.0 |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: USGS

| Contractual Costs:<br>Description   |                   | Contract<br>Sum   |
|---|-------------------|-------------------|
| Subcontract: assistance with laboratory studies   |                   | 12,000.0          |
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|   |                   |                   |
|   |                   | <b>*</b> 10,000,0 |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. | Contractual Total | \$12,00           |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Fish food, enrichments, and live feed production for SPF herring                               | 17,000.0    |
| Laboratory supplies (cell culture, histology, molecular biology, parasitology, virology, etc.) | 22,000.0    |
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|  |             |
| Commodities Total  | \$39,000.0  |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: USGS

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number<br>of Units | Inventory<br>Agency |
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FY16
Program Title: Herring Disease
Team Leader: Paul Hershberger
Agency: USGS
FORM 4B
EQUIPMENT DETAIL

| Personnel Costs: |  | Months   | Monthly |                | Personnel   |
|------------------|--|----------|---------|----------------|-------------|
| Name             | Project Title                              | Budgeted | Costs   | Overtime       | Sum         |
| New Hire         | GS-8, Step-1 Lab Technician                | 12.0     | 5300.0  |                | 63,600.0    |
| New Hire         | GS-9, Step-2 Post Doc                      | 12.0     | 6100.0  |                | 73,200.0    |
| New Hire         | Student intern (student services contract) | 12.0     | 3200.0  |                | 38,400.0    |
| New Hire         | Summer Intern (student services contract)  | 6.0      | 2600.0  |                | 15,600.0    |
|                  |  |          |         |                | 0.0         |
|                  |  |          |         |                | 0.0         |
|                  |  |          |         |                | 0.0         |
|                  |  |          |         |                | 0.0         |
|                  |  |          |         |                | 0.0         |
|                  |  |          |         |                | 0.0         |
|                  |  |          |         |                | 0.0         |
|                  |  |          |         |                | 0.0         |
|                  |  | Subtotal | 17200.0 | 0.0            |             |
|                  |  |          | Pe      | ersonnel Total | \$190,800.0 |

| Travel Costs:        | Fravel Costs:                                 |   | Round | Total | Daily            | Travel     |
|----------------------|---|---|-------|-------|------------------|------------|
| Description          | Description                                   |   | Trips | Days  | Per Diem         | Sum        |
| Nordland, WA - Anch  | orage (presentation @ AK marine Science Symp. | 1200.0  | 2     | 5     | 200.0            | 3,400.0    |
| Nordland, WA - Cord  | ova (adult and juvenile herring sampling)     | 1400.0  | 4     | 10    | 200.0            | 7,600.0    |
| Nordland, WA - Sitka | (adult herring sampling)                      | 1200.0  | 2     | 4     | 200.0            | 3,200.0    |
| Nordland, WA - Cord  | ova (participate in PI integration meeting)   | 1400.0  | 2     | 7     | 200.0            | 4,200.0    |
|                      |   |   |       |       |                  | 0.0        |
|                      |   |   |       |       |                  | 0.0        |
|                      |   |   |       |       |                  | 0.0        |
|                      |   |   |       |       |                  | 0.0        |
|                      |   |   |       |       |                  | 0.0        |
|                      |   |   |       |       |                  | 0.0        |
|                      |   |   |       |       |                  | 0.0        |
|                      |   |   |       |       | Travel Total     | \$18,400.0 |
| FY17                 |   | Program Title: Herring Disease<br>Team Leader: Paul Hershberger<br>Agency: USGS |       |       | FORM<br>EQUIPMEN |            |

## EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL DETAILED BUDGET FORM FY 12-FY16

| Budget Category:                        | FY 12 | Proposed<br>FY 13 | Proposed<br>FY 14 | Proposed<br>FY 15 | Proposed<br>FY 16 | TOTAL<br>PROPOSED |
|---|-------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Personnel                               | \$0.0 | \$0.0             | \$0.0             | \$0.0             | \$0.0             | \$0.0             |
| Travel                                  | \$0.0 | \$0.0             | \$0.0             | \$0.0             | \$0.0             | \$0.0             |
| Contractual                             | \$0.0 | \$0.0             | \$0.0             | \$0.0             | \$0.0             | \$0.0             |
| Commodities                             | \$0.0 | \$0.0             | \$13,200.0        | \$13,200.0        | \$13,200.0        | \$39,600.0        |
| Equipment                               | \$0.0 | \$0.0             | \$0.0             | \$0.0             | \$0.0             | \$0.0             |
| SUBTOTAL                                | \$0.0 | \$0.0             | \$13,200.0        | \$13,200.0        | \$13,200.0        | \$39,600.0        |
| -                                       |       |                   |                   |                   |                   |                   |
| General Administration (9% of subtotal) | \$0.0 | \$0.0             | \$1,200.0         | \$1,200.0         | \$1,200.0         | \$3,600.0         |
|   |       |                   |                   |                   |                   |                   |
| PROJECT TOTAL                           | \$0.0 | \$0.0             | \$14,400.0        | \$14,400.0        | \$14,400.0        | \$43,200.0        |
|   |       |                   |                   |                   |                   |                   |
| Other Resources (Cost Share Funds)      | \$0.0 | \$0.0             | \$0.0             | \$0.0             | \$0.0             | \$0.0             |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

FORM 4A TRUSTEE AGENCY SUMMARY

## EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL DETAILED BUDGET FORM FY 12-FY16

| Personnel Costs: |               |         | Months   | Monthly       |                   | Personnel |
|------------------|---------------|---------|----------|---------------|-------------------|-----------|
| Name             | Project Title |         | Budgeted | Costs         | Overtime          | Sum       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         | Subtotal | 0.0           |                   |           |
|                  |               |         |          | P6            | ersonnel Total    | \$0.0     |
| Troval Casta     |               | Tieleet | Deved    | Tatal         | Deily             | Troval    |
| Travel Costs:    |               | Ticket  | Round    | Total<br>Dava | Daily<br>Dar Diam | Travel    |
| Description      |               | Price   | Trips    | Days          | Per Diem          | Sum       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         | 1        |               |                   | 0.0       |
|                  |               |         | 1        |               |                   | 0.0       |
|                  |               |         | 1        |               |                   | 0.0       |
|                  |               |         |          |               |                   | 0.0       |
|                  |               |         | 1        |               | Travel Total      | \$0.0     |

| FY13 | Program Title: Herring Disease<br>Team Leader: Paul Hershberger<br>Agency: ADFG |
|------|---|
|------|---|

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
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|                    |             |
| Commodities Total  | \$0.0       |

Program Litle: Herring Disease

Agency: ADFG

Team Leader: Paul Hershberger

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FORM 4B CONTRACTUAL & COMMODITIES DETAIL

FY13

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
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| FY13 |  |
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Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

FORM 4B EQUIPMENT DETAIL

| Personnel Costs: |               |                 | Months   | Monthly |                   | Personnel     |
|------------------|---------------|-----------------|----------|---------|-------------------|---------------|
| Name             | Project Title |                 | Budgeted | Costs   | Overtime          | Sum           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 | Subtotal | 0.0     |                   |               |
|                  |               |                 |          | P6      | ersonnel Total    | \$0.0         |
|                  |               | Tieleet         | Daviad   | Total   | Deilu             | Traval        |
| Travel Costs:    |               | Ticket<br>Price | Round    | Total   | Daily<br>Per Diem | Travel<br>Sum |
| Description      |               | Flice           | Trips    | Days    | Per Diem          | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               |                 |          |         |                   | 0.0           |
|                  |               | <u> </u>        | • • • •  |         | Travel Total      | \$0.0         |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Laboratory confirmation of infection and disease prevalence in wild PWS and Sitka herring (\$31.35 / sample x 420 samples) | 13,200.0    |
| Includes VHSV, VEN, and Ichthyophonus diagnostics  |             |
| samples: 180 PWS adults, 180 PWS juveniles, 60 Sitka adults  |             |
|  |             |
|  |             |
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|  |             |
| Commodities Total  | \$13,200.0  |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
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Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

FORM 4B EQUIPMENT DETAIL

| Personnel Costs: |               |        | Months   | Monthly |                       | Personnel |
|------------------|---------------|--------|----------|---------|-----------------------|-----------|
| Name             | Project Title |        | Budgeted | Costs   | Overtime              | Sum       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        | Oubtetel | 0.0     | 0.0                   | 0.0       |
|                  |               |        | Subtotal | 0.0     | 0.0<br>ersonnel Total | ¢0.0      |
|                  |               |        |          | Ft      | ersonner rotar        | \$0.0     |
| Travel Costs:    |               | Ticket | Round    | Total   | Daily                 | Travel    |
| Description      |               | Price  | Trips    | Days    | Per Diem              | Sum       |
|                  |               | THEE   | TTPS     | Days    | T el Dielli           | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         |                       | 0.0       |
|                  |               |        |          |         | Travel Total          | \$0.0     |

| FY15 |   | Progra<br>Team L<br>Agency |
|------|---|----------------------------|
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rogram Title: Herring Disease eam Leader: Paul Hershberger gency: ADFG

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Laboratory confirmation of infection and disease prevalence in wild PWS and Sitka herring (\$31.35 / sample x 420 samples) | 13,200.0    |
| Includes VHSV, VEN, and Ichthyophonus diagnostics  |             |
| samples: 180 PWS adults, 180 PWS juveniles, 60 Sitka adults  |             |
|  |             |
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|  |             |
|  |             |
| Commodities Total  | \$13,200.0  |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
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Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

FORM 4B EQUIPMENT DETAIL

| Personnel Costs: |               |        | Months   | Monthly |                | Personnel |
|------------------|---------------|--------|----------|---------|----------------|-----------|
| Name             | Project Title |        | Budgeted | Costs   | Overtime       | Sum       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        | Subtotal | 0.0     |                | <u> </u>  |
|                  |               |        |          | P6      | ersonnel Total | \$0.0     |
| Travel Costs:    |               | Ticket | Round    | Total   | Daily          | Travel    |
|                  |               | Price  | Trips    |         | Per Diem       | Sum       |
| Description      |               | Flice  | Thps     | Days    | Per Diem       | 0.0       |
|                  |               |        | + +      |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        | + +      |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        | 1        |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         |                | 0.0       |
|                  |               |        |          |         | Travel Total   | \$0.0     |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

FORM 4B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
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| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Laboratory confirmation of infection and disease prevalence in wild PWS and Sitka herring (\$31.35 / sample x 420 samples) | 13,200.0    |
| Includes VHSV, VEN, and Ichthyophonus diagnostics  |             |
| samples: 180 PWS adults, 180 PWS juveniles, 60 Sitka adults  |             |
|  |             |
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|  |             |
|  |             |
| Commodities Total  | \$13,200.0  |

Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
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Program Title: Herring Disease Team Leader: Paul Hershberger Agency: ADFG

FORM 4B EQUIPMENT DETAIL

| Budget Category:                        | FY 12           | Proposed<br>FY 13 | Proposed<br>FY 14 | Proposed<br>FY 15 | Proposed<br>FY 16 | TOTAL<br>PROPOSED |  |
|---|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
| Personnel                               | \$94,400        | \$93,700          | \$16,700          | \$17,300          | \$17,900          | \$240,000         |  |
| Personnel<br>Travel                     | \$94,400<br>\$0 | \$93,700<br>\$0   | \$16,700          | \$17,300<br>\$0   | \$17,900<br>\$0   | \$240,000<br>\$0  |  |
| Contractual                             | \$0             | \$0               | \$0               | \$0               | \$0               | \$0               |  |
| Commodities                             | \$0             | \$0               | \$0               | \$0               | \$0               | \$0               |  |
| Equipment                               | \$3,900         | \$4,800           | \$0               | \$0               | \$0               | \$8,700           |  |
| Indirect Costs (23%)                    | \$21,700        | \$21,500          | \$3,800           | \$4,000           | \$4,100           | \$55,100          |  |
| SUBTOTAL                                | \$120,000       | \$120,000         | \$20,500          | \$21,300          | \$22,000          | \$303,800         |  |
| General Administration (9% of subtotal) |                 | \$10,800          | \$2,000           | \$2,000           | \$2,000           | \$27,600          |  |
|   | \$10,800        | <u> </u>          | ¥2,000            | ψ2,000            | φ2,000            | <i>\\</i> 27,000  |  |
| PROJECT TOTAL                           | \$130,800       | \$130,800         | \$22,500          | \$23,300          | \$24,000          | \$331,400         |  |
|   |                 |                   | <u>م</u> م        |                   | <b></b>           | <b></b>           |  |
| Other Resources (Cost Share Funds)      | \$0             | <b>\$</b> 0       | \$0               | \$0               | \$0               | \$0               |  |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title: PWS herring: Data Management Team Leader: Rob Bochenek

FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs: |               | Months   | Monthly         |          | Personnel |
|------------------|---------------|----------|-----------------|----------|-----------|
| Name             | Project Title | Budgeted | Costs           | Overtime | Sum       |
| Shane StClair    |               | 1.5      | 8700.0          |          | 13,050.0  |
| Rob Bochenek     |               | 1.0      | 9550.0          |          | 9,550.0   |
| Vacant           |               | 6.0      | 7900.0          |          | 47,400.0  |
| Ross Martin      |               | 3.0      | 7900.0          |          | 23,700.0  |
|                  |               |          |                 |          | 0.0       |
|                  |               |          |                 |          | 0.0       |
|                  |               |          |                 |          | 0.0       |
|                  |               |          |                 |          | 0.0       |
|                  |               |          |                 |          | 0.0       |
|                  |               |          |                 |          | 0.0       |
|                  |               |          |                 |          | 0.0       |
|                  |               |          |                 |          | 0.0       |
|                  |               | Subtotal |                 | 0.0      |           |
|                  |               |          | Personnel Total |          |           |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| FY13 | Program Title: PWS herring: Data Management<br>Team Leader: Shane StClair | FORM 3B<br>PERSONNEL & TRAVEL<br>DETAIL |
|------|---|---|
|------|---|---|

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
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|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY13

Program Title: PWS herring: Data Management Team Leader: Shane StClair

| New Equipment Purchases:                  | Number   | Unit          | Equipment |
|---|----------|---------------|-----------|
| Description                               | of Units | Price         | Sum       |
| Server for hosting IHRP data and products | 1.0      | 4,800.0       | 4,800.0   |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   | New Eq   | uipment Total | \$4,800.0 |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
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Program Title: PWS herring: Data Management Team Leader: Shane StClair

FORM 3B EQUIPMENT DETAIL

| Personnel Costs: |               | Months   | Monthly |               | Personnel  |
|------------------|---------------|----------|---------|---------------|------------|
| Name             | Project Title | Budgeted | Costs   | Overtime      | Sum        |
| Shane StClair    |               | 0.5      | 8800.0  |               | 4,400.0    |
| Luc Mehl         |               | 1.5      | 8200.0  |               | 12,300.0   |
|                  |               |          |         |               | 0.0        |
|                  |               |          |         |               | 0.0        |
|                  |               |          |         |               | 0.0        |
|                  |               |          |         |               | 0.0        |
|                  |               |          |         |               | 0.0        |
|                  |               |          |         |               | 0.0        |
|                  |               |          |         |               | 0.0        |
|                  |               |          |         |               | 0.0        |
|                  |               |          |         |               | 0.0        |
|                  |               |          |         |               | 0.0        |
|                  |               | Subtotal |         | 0.0           |            |
|                  |               |          | Pe      | rsonnel Total | \$16,700.0 |
|                  |               |          |         |               |            |

| Travel Costs: | Ticket | Round | Total | Daily    | Travel |
|---------------|--------|-------|-------|----------|--------|
| Description   | Price  | Trips | Days  | Per Diem | Sum    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
| Travel Total  |        |       |       | \$0.0    |        |

| FY14 | Program Title: PWS herring: Data Management<br>Team Leader: Shane StClair | FORM 3B<br>PERSONNEL & TRAVEL<br>DETAIL |
|------|---|---|
|------|---|---|

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
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|                    |             |
| Commodities Total  | \$0.0       |

FY14

Program Title: PWS herring: Data Management Team Leader: Shane StClair

| New Equipment Purchases: | Number   | Unit  | Equipment |
|--------------------------|----------|-------|-----------|
| Description              | of Units | Price | Sum       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
|                          |          |       | 0.0       |
| New Equipment Total      |          |       | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
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Program Title: PWS herring: Data Management Team Leader: Shane StClair

FORM 3B EQUIPMENT DETAIL

| Personnel Costs: Months Monthly |               |          | Personnel |                |            |
|---------------------------------|---------------|----------|-----------|----------------|------------|
| Name                            | Project Title | Budgeted | Costs     | Overtime       | Sum        |
| Shane StClair                   |               | 0.5      | 9100.0    |                | 4,550.0    |
| Luc Mehl                        |               | 1.5      | 8500.0    |                | 12,750.0   |
|                                 |               |          |           |                | 0.0        |
|                                 |               |          |           |                | 0.0        |
|                                 |               |          |           |                | 0.0        |
|                                 |               |          |           |                | 0.0        |
|                                 |               |          |           |                | 0.0        |
|                                 |               |          |           |                | 0.0        |
|                                 |               |          |           |                | 0.0        |
|                                 |               |          |           |                | 0.0        |
|                                 |               |          |           |                | 0.0        |
|                                 |               |          |           |                | 0.0        |
|                                 |               | Subtotal | 17600.0   | 0.0            |            |
|                                 |               |          | Pe        | ersonnel Total | \$17,300.0 |
|                                 |               |          |           |                |            |

| Travel Costs: | Ticket | Round | Total | Daily    | Travel |
|---------------|--------|-------|-------|----------|--------|
| Description   | Price  | Trips | Days  | Per Diem | Sum    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
|               |        |       |       |          | 0.0    |
| Travel Total  |        |       |       | \$0.0    |        |

| FY15 |  | Program Title: PWS herring: Data Management<br>Team Leader: Shane StClair |  | FORM 3B<br>PERSONNEL & TRAVEL<br>DETAIL |
|------|--|---|--|---|
|------|--|---|--|---|

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
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|                    |             |
| Commodities Total  | \$0.0       |

FY15

Program Title: PWS herring: Data Management Team Leader: Shane StClair

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory |
|--|----------|-----------|
| Description                              | of Units | Agency    |
|  |          |           |
|  |          |           |
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Program Title: PWS herring: Data Management Team Leader: Shane StClair

FORM 3B EQUIPMENT DETAIL

| Personnel Costs: |               | Months   | Monthly |                | Personnel  |
|------------------|---------------|----------|---------|----------------|------------|
| Name             | Project Title | Budgeted | Costs   | Overtime       | Sum        |
| Shane StClair    |               | 0.5      | 9400.0  |                | 4,700.0    |
| Luc Mehl         |               | 1.5      | 8800.0  |                | 13,200.0   |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               | Subtotal | 18200.0 |                |            |
|                  |               |          | Pe      | ersonnel Total | \$17,900.0 |

| Travel Costs: | Ticket | Round | Total | Daily        | Travel |
|---------------|--------|-------|-------|--------------|--------|
| Description   | Price  | Trips | Days  | Per Diem     | Sum    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       |              | 0.0    |
|               |        |       |       | Travel Total | \$0.0  |

| FY16 |  | Program Title: PWS herring: Data Management<br>Team Leader: Shane StClair |  | FORM 3B<br>PERSONNEL & TRAVEL<br>DETAIL |
|------|--|---|--|---|
|------|--|---|--|---|

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
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|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
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|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY16

Program Title: PWS herring: Data Management Team Leader: Shane StClair

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:<br>Descriptior | Number   | Inventory           |
|--|----------|---------------------|
| Description                              | of Units | Inventory<br>Agency |
|  |          |                     |
|  |          |                     |
|  |          |                     |
|  |          |                     |
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|  |          |                     |
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|  |          |                     |
|  |          |                     |



Program Title: PWS herring: Data Management Team Leader: Shane StClair

FORM 3B EQUIPMENT DETAIL

| Budget Category:                        | EV 40 | Proposed | Proposed | Proposed  | Proposed    |             |
|---|-------|----------|----------|-----------|-------------|-------------|
| l                                       | FY 12 | FY 13    | FY 14    | FY 15     | FY 16       | PROPOSED    |
| Personnel                               | \$0   | \$16,500 | \$21,700 | \$0       | \$0         | \$38,200    |
| Travel                                  | \$0   | \$8,600  | \$8,600  | \$0       | \$0         | \$17,200    |
| Contractual                             | \$0   | \$0      | \$7,000  | \$0       | \$0         | \$7,000     |
| Commodities                             | \$0   | \$6,700  | \$0      | \$0       | \$0         | \$6,700     |
| Equipment                               | \$0   | \$0      | \$0      | \$0       | \$0         | \$0         |
| Indirect Costs (will vary by proposer)  |       | \$8,270  | \$9,730  |           |             | \$18,000    |
| SUBTOTAL                                | \$0   | \$40,070 | \$47,030 | \$0       | \$0         | \$87,100    |
|   |       |          |          |           |             |             |
| General Administration (9% of subtotal) | \$0   | \$3,606  | \$4,233  | \$0       | \$0         | \$7,839     |
|   | (°O)  |          |          | <b>60</b> | <b>((</b> ) | (fo 1 0 0 0 |
| PROJECT TOTAL                           | \$0   | \$43,676 | \$51,263 | \$0       | \$0         | \$94,939    |
| Other Resources (Cost Share Funds)      | \$0   | \$0      | \$0      | \$0       | \$0         | \$0         |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title: Non-Lethal Herring Survey Team Leader: Boswell

FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs: |               | Months   | Monthly |                | Personnel  |
|------------------|---------------|----------|---------|----------------|------------|
| Name             | Project Title | Budgeted | Costs   | Overtime       | Sum        |
| Kevin Boswell    |               | 1.5      | 11000.0 |                | 16,500.0   |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               |          |         |                | 0.0        |
|                  |               | Subtotal | 11000.0 | 0.0            |            |
|                  |               |          | Pe      | ersonnel Total | \$16,500.0 |
|                  |               |          |         |                |            |

| Travel Costs:              | Ticket | Round | Total | Daily        | Travel    |
|----------------------------|--------|-------|-------|--------------|-----------|
| Description                | Price  | Trips | Days  | Per Diem     | Sum       |
| Fieldwork (PI and Student) | 2000.0 | 2     | 20    | 230.0        | 8,600.0   |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       | Travel Total | \$8,600.0 |

Program Title: Non-Lethal Herring Survey Team Leader: Boswell

FORM 3B PERSONNEL & TRAVEL DETAIL

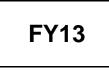
| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Supplies, cable and fabrication costs for mounting and deploying DIDSON at depth | 3,500.0     |
| Office supplies, printing costs and data archiving                               | 500.0       |
| Shipping Costs for Equipment (3 trips)   | 2,700.0     |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
|  |             |
| Commodities Total  | \$6,700.0   |



Program Title: Non-Lethal Herring Survey Team Leader: Boswell

| New Equipment Purchases:  | Number   | Unit          | Equipment |
|---------------------------|----------|---------------|-----------|
| Description               | of Units | Price         | Sum       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           | New Eq   | uipment Total | \$0.0     |
|                           |          |               |           |
| Existing Equipment Usage: |          | Number        | Inventory |
| Description               |          | of Units      |           |
| · · ·                     |          |               |           |
|                           |          |               |           |



Program Title: Non-Lethal Herring Survey Team Leader: Boswell

FORM 3B EQUIPMENT DETAIL

| Personnel Costs:                         |               | Months   | Monthly |                | Personnel  |
|--|---------------|----------|---------|----------------|------------|
| Name                                     | Project Title | Budgeted | Costs   | Overtime       | Sum        |
| Kevin Boswell (plus 31.885 fringe)       | PI            | 1.5      | 11000.0 |                | 16,500.0   |
| Undergraduate Student (plus 0.0033% frin | Student       | 6.0      | 866.7   |                | 5,200.0    |
|  |               |          |         |                | 0.0        |
|  |               |          |         |                | 0.0        |
|  |               |          |         |                | 0.0        |
|  |               |          |         |                | 0.0        |
|  |               |          |         |                | 0.0        |
|  |               |          |         |                | 0.0        |
|  |               |          |         |                | 0.0        |
|  |               |          |         |                | 0.0        |
|  |               |          |         |                | 0.0        |
|  |               |          |         |                | 0.0        |
|  |               | Subtotal | 11866.7 | 0.0            |            |
|  |               |          | Pe      | ersonnel Total | \$21,700.0 |

| Travel Costs:              | Ticket | Round | Total | Daily        | Travel    |
|----------------------------|--------|-------|-------|--------------|-----------|
| Description                | Price  | Trips | Days  | Per Diem     | Sum       |
|                            |        |       |       |              | 0.0       |
| Marine Science Symposium   | 1000.0 | 1     | 4     | 275.0        | 2,100.0   |
| Annual PI Meeting          | 1050.0 | 1     | 5     | 230.0        | 2,200.0   |
| Fieldwork (PI and Student) | 2000.0 | 1     | 10    | 230.0        | 4,300.0   |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       |              | 0.0       |
|                            |        |       |       | Travel Total | \$8,600.0 |



Program Title: Non-Lethal Herring Survey Team Leader: Boswell

FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract         |
|---|------------------|
| Description   | Sum              |
|   |                  |
|   |                  |
| Ship-time charter for non-lethal component  | 7,000.0          |
|   |                  |
|   |                  |
|   |                  |
|   |                  |
|   |                  |
|   |                  |
|   |                  |
|   |                  |
|   |                  |
|   | <b>\$7,000,0</b> |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$7,000.0        |

| Commodities Costs:                | Commodities |
|-----------------------------------|-------------|
| Commodities Costs:<br>Description | Sum         |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
|                                   |             |
| Commodities Total                 | \$0.0       |

FY14

Program Title: Non-Lethal Herring Survey Team Leader: Boswell

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:             | Number   | Inventory |
|---------------------------------------|----------|-----------|
| Description                           | of Units |           |
| DIDSON                                | 1        | FIU       |
| Remotely controlled sonar motor mount |          | FIU       |
| Seamor ROV with DIDSON - as avaialble | 1        | FIU       |
|                                       |          |           |
|                                       |          |           |
|                                       |          |           |
|                                       |          |           |
|                                       |          |           |
|                                       |          |           |
|                                       |          |           |
|                                       |          |           |
|                                       |          |           |



Program Title: Non-Lethal Herring Survey Team Leader: Boswell

FORM 3B EQUIPMENT DETAIL

| <b>Personnel Costs:</b><br>Name |               |        | Months   | Monthly |                | Personnel |
|---------------------------------|---------------|--------|----------|---------|----------------|-----------|
| Name                            | Project Title |        | Budgeted | Costs   | Overtime       | Sum       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        | Subtotal | 0.0     | 0.0            | 0.0       |
|                                 |               |        | Subiolai |         | ersonnel Total | \$0.0     |
|                                 |               |        |          |         |                | ψ0.0      |
| Travel Costs:                   |               | Ticket | Round    | Total   | Daily          | Travel    |
| Description                     |               | Price  | Trips    | Days    | Per Diem       | Sum       |
| · ·                             |               |        |          | ,       |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         |                | 0.0       |
|                                 |               |        |          |         | Travel Total   | \$0.0     |

FY15

Program Title: Non-Lethal Herring Survey Team Leader: Boswell

FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   | <b>^</b> |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY15

Program Title: Non-Lethal Herring Survey Team Leader: Boswell

| New Equipment Purchases:  | Number   | Unit          | Equipment |
|---------------------------|----------|---------------|-----------|
| Description               | of Units | Price         | Sum       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           | New Eq   | uipment Total | \$0.0     |
|                           |          |               |           |
| Existing Equipment Usage: |          | Number        | Inventory |
| Description               | Ì        | of Units      |           |
|                           | i        |               |           |
|                           |          |               |           |
|                           |          |               |           |



Program Title: Non-Lethal Herring Survey Team Leader: Boswell

FORM 3B EQUIPMENT DETAIL

| Personnel Costs: |               |        | Months   | Monthly |                   | Personnel     |
|------------------|---------------|--------|----------|---------|-------------------|---------------|
| Name             | Project Title |        | Budgeted | Costs   | Overtime          | Sum           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        | Subtotal | 0.0     | 0.0               |               |
|                  |               |        |          | P6      | ersonnel Total    | \$0.0         |
| Travel Costs:    |               | Ticket | Round    | Total   | Deily             | Troval        |
| Description      |               | Price  | Trips    |         | Daily<br>Per Diem | Travel<br>Sum |
| Description      |               | FILE   | пръ      | Days    | Fei Dieili        | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         |                   | 0.0           |
|                  |               |        |          |         | Travel Total      | \$0.0         |



Program Title: Non-Lethal Herring Survey Team Leader: Boswell

FORM 3B PERSONNEL & TRAVEL DETAIL

| Contractual Costs:  | Contract |
|---|----------|
| Description   | Sum      |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |
| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs: | Commodities |
|--------------------|-------------|
| Description        | Sum         |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
|                    |             |
| Commodities Total  | \$0.0       |

FY16

Program Title: Non-Lethal Herring Survey Team Leader: Boswell

| New Equipment Purchases:  | Number   | Unit          | Equipment |
|---------------------------|----------|---------------|-----------|
| Description               | of Units | Price         | Sum       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           |          |               | 0.0       |
|                           | New Eq   | uipment Total | \$0.0     |
|                           |          |               |           |
| Existing Equipment Usage: |          | Number        | Inventory |
| Description               |          | of Units      | Agency    |
|                           |          |               |           |
|                           |          |               |           |
|                           |          |               |           |



Program Title: Non-Lethal Herring Survey Team Leader: Boswell

| Budget Category:                                |          | Proposed | Proposed | Proposed | Proposed | TOTAL     |
|---|----------|----------|----------|----------|----------|-----------|
|   | FY 12    | FY 13    | FY 14    | FY 15    | FY 16    | PROPOSED  |
|   |          |          |          |          |          |           |
| Personnel                                       | \$20,734 | \$34,446 | \$35,824 | \$37,256 | \$38,747 | \$167,007 |
| Travel  | \$982    | \$3,636  | \$8,194  | \$7,812  | \$8,508  | \$29,132  |
| Contractual                                     | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       |
| Commodities                                     | \$200    | \$16,884 | \$20,552 | \$21,287 | \$22,050 | \$80,973  |
| Equipment                                       | \$0      | \$4,000  | \$0      | \$0      | \$0      | \$4,000   |
| Indirect Costs ( <i>will vary by proposer</i> ) | \$11,944 | \$20,863 | \$25,188 | \$25,761 | \$26,952 | \$110,708 |
| SUBTOTAL  | \$33,860 | \$79,829 | \$89,758 | \$92,116 | \$96,257 | \$391,820 |
|   |          |          |          |          |          |           |
|   |          |          |          |          |          |           |
|   |          |          |          |          |          |           |
| PROJECT TOTAL                                   | \$33,860 | \$79,829 | \$89,758 | \$92,116 | \$96,257 | \$391,820 |
|   |          |          |          |          |          |           |
| Other Resources (Cost Share                     | \$0      | \$0      | \$0      | \$0      | \$0      | \$0       |

COMMENTS: In this box, identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

FY12-16

Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

FORM 3A NON-TRUSTEE AGENCY SUMMARY

| Personnel Costs: |                     | Months   | Monthly |               | Personnel  |
|------------------|---------------------|----------|---------|---------------|------------|
| Name             | Project Title       | Budgeted | Costs   | Overtime      | Sum        |
| Trevor A. Branch | Assistant Professor | 1.0      | 10781.7 |               | 10,781.7   |
| To be arranged   | Research Assistant  | 12.0     | 1972.0  |               | 23,664.0   |
|                  |                     |          |         |               | 0.0        |
|                  |                     |          |         |               | 0.0        |
|                  |                     |          |         |               | 0.0        |
|                  |                     |          |         |               | 0.0        |
|                  |                     |          |         |               | 0.0        |
|                  |                     |          |         |               | 0.0        |
|                  |                     |          |         |               | 0.0        |
|                  |                     |          |         |               | 0.0        |
|                  |                     |          |         |               | 0.0        |
|                  |                     |          |         |               | 0.0        |
|                  |                     | Subtotal | 12753.7 | 0.0           |            |
|                  |                     |          | Pe      | rsonnel Total | \$34,445.7 |

| Travel Costs:                                | Ticket | Round | Total | Daily        | Travel    |
|--|--------|-------|-------|--------------|-----------|
| Description                                  | Price  | Trips | Days  | Per Diem     | Sum       |
| Travel Seattle to Cordova, annual PI meeting | 307.0  | 2     | 6     | 225.0        | 1,964.0   |
| Marine Science Symposium                     | 307.0  | 1     | 7     | 195.0        | 1,672.0   |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       |              | 0.0       |
|  |        |       |       | Travel Total | \$3,636.0 |

Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Tuition for graduate student                                   | 16,684.0    |
| Long distance telephone, photocopying, printer cartridges etc. | 200.0       |
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| Commodities Total  | \$16,884.0  |

| FY13 |
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Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| New Equipment Purchases:                              | Number   | Unit          | Equipment |
|---|----------|---------------|-----------|
| Description   | of Units | Price         | Sum       |
| Laptop computer, monitor, associated software         | 1.0      | 2,000.0       | 2,000.0   |
| High speed desktop computer, monitor, for simulations | 1.0      | 2,000.0       | 2,000.0   |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   |          |               | 0.0       |
|   | New Equ  | uipment Total | \$4,000.0 |

| Existing Equipment Usage:<br>Descriptior | Number   |        |
|--|----------|--------|
| Description                              | of Units | Agency |
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FY14

Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| Personnel Costs: |                     | Months   | Monthly |          | Personnel |
|------------------|---------------------|----------|---------|----------|-----------|
| Name             | Project Title       | Budgeted | Costs   | Overtime | Sum       |
| Trevor A. Branch | Assistant Professor | 1.0      | 11212.9 |          | 11,212.9  |
| To be arranged   | Research Assistant  | 12.0     | 2050.9  |          | 24,610.6  |
|                  |                     |          |         |          | 0.0       |
|                  |                     |          |         |          | 0.0       |
|                  |                     |          |         |          | 0.0       |
|                  |                     |          |         |          | 0.0       |
|                  |                     |          |         |          | 0.0       |
|                  |                     |          |         |          | 0.0       |
|                  |                     |          |         |          | 0.0       |
|                  |                     |          |         |          | 0.0       |
|                  |                     |          |         |          | 0.0       |
|                  |                     |          |         |          | 0.0       |
|                  |                     | Subtotal | 13263.8 | 0.0      |           |
|                  | Personnel Total     |          |         |          |           |

| Travel Costs:                                | Ticket | Round | Total | Daily    | Travel    |
|--|--------|-------|-------|----------|-----------|
| Description                                  | Price  | Trips | Days  | Per Diem | Sum       |
| Travel Seattle to Cordova, annual PI meeting | 307.0  | 2     | 6     | 225.0    | 1,964.0   |
| Marine Science Symposium                     | 307.0  | 2     | 14    | 195.0    | 3,344.0   |
| AFS symposium, Little Rock Arkansas          | 400.0  | 2     | 14    | 149.0    | 2,886.0   |
|  |        |       |       |          | 0.0       |
|  |        |       |       |          | 0.0       |
|  |        |       |       |          | 0.0       |
|  |        |       |       |          | 0.0       |
|  |        |       |       |          | 0.0       |
|  |        |       |       |          | 0.0       |
|  |        |       |       |          | 0.0       |
|  |        |       |       |          | 0.0       |
| Travel Total                                 |        |       |       |          | \$8,194.0 |

Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Publication charges for scientific papers, page charges and color page charges | 2,000.0     |
| Tuition for graduate student   | 18,352.4    |
| Long distance telephone, photocopying, printer cartridges etc.                 | 200.0       |
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| Commodities Total  | \$20,552.4  |

| FY14 |
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Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:                | Number   | Inventory           |
|--|----------|---------------------|
| Existing Equipment Usage:<br>Descriptior | of Units | Inventory<br>Agency |
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Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| Personnel Costs: |                     | Months   | Monthly |            | Personnel |
|------------------|---------------------|----------|---------|------------|-----------|
| Name             | Project Title       | Budgeted | Costs   | Overtime   | Sum       |
| Trevor A. Branch | Assistant Professor | 1.0      | 11661.5 |            | 11,661.5  |
| To be arranged   | Research Assistant  | 12.0     | 2132.9  |            | 25,595.0  |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     | Subtotal | 13794.4 | 0.0        |           |
| Personnel Total  |                     |          |         | \$37,256.4 |           |

| Travel Costs:                                | Ticket | Round | Total | Daily     | Travel  |
|--|--------|-------|-------|-----------|---------|
| Description                                  | Price  | Trips | Days  | Per Diem  | Sum     |
| Travel Seattle to Cordova, annual PI meeting | 307.0  | 2     | 6     | 225.0     | 1,964.0 |
| Marine Science Symposium, Anchorage          | 307.0  | 2     | 14    | 195.0     | 3,344.0 |
| Mote Marine Symposium, Sarasota              | 400.0  | 2     | 12    | 142.0     | 2,504.0 |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
| Travel Total                                 |        |       |       | \$7,812.0 |         |

Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Publication charges for scientific papers, page charges and color page charges | 2,000.0     |
| Tuition for graduate student   | 19,086      |
| Long distance telephone, photocopying, printer cartridges etc.                 | 200.0       |
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| Commodities Total  | \$21,286.5  |

Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:                | Number   | Inventory           |
|--|----------|---------------------|
| Existing Equipment Usage:<br>Descriptior | of Units | Inventory<br>Agency |
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Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| Personnel Costs: |                     | Months   | Monthly |            | Personnel |
|------------------|---------------------|----------|---------|------------|-----------|
| Name             | Project Title       | Budgeted | Costs   | Overtime   | Sum       |
| Trevor A. Branch | Assistant Professor | 1.0      | 12127.9 |            | 12,127.9  |
| To be arranged   | Research Assistant  | 12.0     | 2218.2  |            | 26,618.8  |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     |          |         |            | 0.0       |
|                  |                     | Subtotal | 14346.2 | 0.0        |           |
| Personnel Total  |                     |          |         | \$38,746.7 |           |

| Travel Costs:                                | Ticket | Round | Total | Daily     | Travel  |
|--|--------|-------|-------|-----------|---------|
| Description                                  | Price  | Trips | Days  | Per Diem  | Sum     |
| Travel Seattle to Cordova, annual PI meeting | 307.0  | 2     | 6     | 225.0     | 1,964.0 |
| Marine Science Symposium                     | 307.0  | 2     | 14    | 195.0     | 3,344.0 |
| AFS meeting, venue to be arranged            | 400.0  | 2     | 12    | 200.0     | 3,200.0 |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
|  |        |       |       |           | 0.0     |
| Travel Total                                 |        |       |       | \$8,508.0 |         |

Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| Contractual Costs:<br>Description   | Contract |
|---|----------|
| Description   | Sum      |
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| If a component of the project will be performed under contract, the 4A and 4B forms are required. Contractual Total | \$0.0    |

| Commodities Costs:   | Commodities |
|--|-------------|
| Description  | Sum         |
| Publication charges for scientific papers, page charges and color page charges | 2,000.0     |
| Tuition for graduate student   | 19,850.0    |
| Long distance telephone, photocopying, printer cartridges etc.                 | 200.0       |
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| Commodities Total  | \$22,050.0  |

| FY16 |
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Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch

| New Equipment Purchases: | Number   | Unit          | Equipment |
|--------------------------|----------|---------------|-----------|
| Description              | of Units | Price         | Sum       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          |          |               | 0.0       |
|                          | New Eq   | uipment Total | \$0.0     |

| Existing Equipment Usage:                | Number   | Inventory           |
|--|----------|---------------------|
| Existing Equipment Usage:<br>Descriptior | of Units | Inventory<br>Agency |
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Program Title: Modeling the population dynamics of Prince William Sound herring Team Leader: Trevor A. Branch