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April 26, 2017

Senator Frederick, Co-chair
Representative Witt, Co-chair
Joint Committee on Ways and Means Subcommittee on Natural Resources
900 Court Street NE, Room H 178
Salem, Oregon 97301

Subject: Question about the number of ODFW biologists, number of projects they work on, and the outcome of those projects

Dear Co-Chair Frederick and Co-Chair Witt,

This is in response to the above referenced question received during our March 27, 2017 Ways and Means presentation and a subsequent letter from Representative Esquivel on April 13, 2017. We appreciate your patience as we developed our response. The Oregon Department of Fish and Wildlife employs 403 biologists and supervisory biologists; 308 of those biologists receive federal funding and 95 of the biologists are funded solely with state dollars. Federally funded biologists complete job tasks required by their contract or granting agreement. Our state funded biologists complete job tasks as directed by statute and Commission approved policies or plans.

Our 403 biologists can be separated into three primary categories, Fish Division (215 positions), Marine Resources Program (81 positions), and Wildlife Division (107 positions). Each biologist completes multiple projects each year in implementing the Department's mission. Additionally, wildlife biologists work closely with landowners to address complicated wildlife damage issues affecting agricultural operations. The attached table (Attachment 1) lists each of our 403 individual biologist positions, shows the funding source for each position, and lists all 340 individual project cost centers that our biologists charge to.

Rather than provide you with the position description for each of our 403 biologists (approximately 3,000 pages of material), we have aggregated positions into groups that perform similar duties and then provided a detailed written description (Attachment 2) of the duties they perform and the outcomes of their work.

For several of the biologist categories where work focuses broadly on resource management (as opposed to specific research questions), we have also provided summary outputs (Attachment 3; Figures 1-5) from our recently implemented Online Task Tracking Information System (OTTIS). These summary outputs in combination with the aggregated position descriptions are a good representation of the work that our district fish and wildlife biologists perform.

If you have any further questions, please do not hesitate to contact me.

Regards,

Curt Melcher, Director
Oregon Department of Fish and Wildlife

Attachments:

OREGON
Fish & Wildlife

# BIOLOGIST DUTIES






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**Attachment 1: Lists of individual biologist positions and funding sources.**

# Table 1. ODFW Position Information - 2015-17 Legislatively Adopted Position Information

| Count | Class Title | Position [1] Number | Mos | 2015-17 Biennium Budgeted Amount GF$ | OF$ | FF$ | LF$ | 2015-17 Biennium Actuals through 2/28/17 State | Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | C8502 - NATURAL RES SPEC 2 | 0507005 | 24 | 153,910 | 0 | 0 | 0 | 156,879 | - | 156,879 |
| 2 | C8502 - NATURAL RES SPEC 2 | 0507006 | 24 | 172,579 | 0 | 0 | 0 | 144,845 | 560 | 145,405 |
| 3 | C8502 - NATURAL RES SPEC 2 | 0507007 | 24 | 179,596 | 0 | 0 | 0 | 111,258 | 47,038 | 158,296 |
| 4 | C8502 - NATURAL RES SPEC 2 | 0507009 | 24 | 142,659 | 0 | 0 | 0 | 135,916 | - | 135,916 |
| 5 | C8502 - NATURAL RES SPEC 2 | 0507010 | 24 | 179,596 | 0 | 0 | 0 | 166,578 | - | 166,578 |
| 6 | C8503 - NATURAL RES SPEC 3 | 0507014 | 24 | 0 | 44,899 | 134,697 | 0 | 67,830 | 41,043 | 108,873 |
| 7 | C8502 - NATURAL RES SPEC 2 | 0507019 | 24 | 0 | 153,910 | 0 | 0 | 81,086 | 61,690 | 142,776 |
| 8 | C8503 - NATURAL RES SPEC 3 | 0507023 | 24 | 0 | 0 | 100,042 | 53,868 | - | - | - |
| 9 | C8503 - NATURAL RES SPEC 3 | 0507024 | 24 | 0 | 0 | 131,648 | 70,888 | 130,057 | 62,977 | 193,034 |
| 10 | C8501 - NATURAL RES SPEC 1 | 0507058 | 24 | 0 | 0 | 159,754 | 0 | - | 149,947 | 149,947 |
| 11 | C8501 - NATURAL RES SPEC 1 | 0507059 | 24 | 132,853 | 0 | 0 | 0 | 76,380 | 17,703 | 94,083 |
| 12 | X3775 - SUPV FISH/WL BIOLGST | 0507060 | 24 | 0 | 0 | 209,762 | 0 | - | 185,721 | 185,721 |
| 13 | C8502 - NATURAL RES SPEC 2 | 0507070 | 24 | 38,477 | 0 | 115,433 | 0 | 55,465 | 79,154 | 134,619 |
| 14 | C8502 - NATURAL RES SPEC 2 | 0507071 | 24 | 0 | 119,221 | 29,155 | 0 | 420 | 135,511 | 135,931 |
| 15 | C8502 - NATURAL RES SPEC 2 | 0507072 | 24 | 0 | 0 | 172,579 | 0 | - | 156,960 | 156,960 |
| 16 | C8501 - NATURAL RES SPEC 1 | 0507074 | 24 | 0 | 0 | 132,853 | 0 | 17,379 | 104,424 | 121,803 |
| 17 | C8501 - NATURAL RES SPEC 1 | 0507075 | 24 | 22,147 | 0 | 110,706 | 0 | 5,114 | 97,265 | 102,379 |
| 18 | X3775 - SUPV FISH/WL BIOLGST | 0507097 | 24 | 37,108 | 0 | 141,037 | 0 | 25,973 | 143,184 | 169,157 |
| 19 | C8501 - NATURAL RES SPEC 1 | 0507099 | 24 | 0 | 0 | 132,853 | 0 | - | 100,824 | 100,824 |
| 20 | C8501 - NATURAL RES SPEC 1 | 0507100 | 24 | 0 | 0 | 153,910 | 0 | - | 140,545 | 140,545 |
| 21 | C8504 - NATURAL RES SPEC 4 | 0507110 | 24 | 0 | 128,735 | 0 | 100,129 | 28,188 | 182,887 | 211,075 |
| 22 | C8502 - NATURAL RES SPEC 2 | 0507111 | 24 | 0 | 0 | 0 | 159,754 | 157,883 | - | 157,883 |
| 23 | C8503 - NATURAL RES SPEC 3 | 0507135 | 24 | 36,294 | 0 | 166,242 | 0 | 48,088 | 140,861 | 188,949 |
| 24 | C8503 - NATURAL RES SPEC 3 | 0507137 | 24 | 0 | 202,536 | 0 | 0 | 189,045 | - | 189,045 |
| 25 | C8502 - NATURAL RES SPEC 2 | 0507138 | 24 | 0 | 148,376 | 0 | 0 | 129,606 | - | 129,606 |
| 26 | C8501 - NATURAL RES SPEC 1 | 0507139 | 24 | 153,910 | 0 | 0 | 0 | 140,351 | 1,736 | 142,087 |
| 27 | C8501 - NATURAL RES SPEC 1 | 0507147 | 24 | 0 | 79,877 | 79,877 | 0 | - | 150,286 | 150,286 |
| 28 | C8502 - NATURAL RES SPEC 2 | 0507196 | 24 | 0 | 179,596 | 0 | 0 | - | 165,816 | 165,816 |
| 29 | C8501 - NATURAL RES SPEC 1 | 0507197 | 24 | 0 | 148,376 | 0 | 0 | - | 137,205 | 137,205 |
| 30 | C8503 - NATURAL RES SPEC 3 | 0507203 | 24 | 0 | 202,536 | 0 | 0 | - | 179,102 | 179,102 |
| 31 | C8501 - NATURAL RES SPEC 1 | 0507300 | 24 | 0 | 128,113 | 0 | 0 | - | 109,302 | 109,302 |
| 32 | C8502 - NATURAL RES SPEC 2 | 0507302 | 16 | 0 | 25,654 | 76,960 | 0 | 41,430 | 74,429 | 115,859 |
| 32 | C8502 - NATURAL RES SPEC 2 | 0507302 | 8 | 0 | 44,886 | 6,417 | 0 | | | - |
| 33 | C8502 - NATURAL RES SPEC 2 | 0709006 | 24 | 0 | 179,596 | 0 | 0 | 16,830 | 85,628 | 102,458 |
| 34 | C8501 - NATURAL RES SPEC 1 | 0709011 | 24 | 137,505 | 0 | 0 | 0 | 116,296 | 19,182 | 135,478 |
| 35 | C8501 - NATURAL RES SPEC 1 | 0709012 | 24 | 132,853 | 0 | 0 | 0 | 98,684 | 16,493 | 115,177 |
| 36 | C8501 - NATURAL RES SPEC 1 | 0709061 | 12 | 0 | 95,194 | 0 | 0 | 55,375 | 22,292 | 77,667 |
| 37 | X8504 - NATURAL RES SPEC 4 | 0709062 | 12 | 0 | 118,977 | 0 | 0 | 208,990 | 9,204 | 218,194 |
| 37 | X8504 - NATURAL RES SPEC 4 | 0709062 | 12 | 0 | 118,977 | 0 | 0 | | | - |
| 38 | C8502 - NATURAL RES SPEC 2 | 0709063 | 12 | 0 | 79,877 | 0 | 0 | 148,553 | - | 148,553 |
| 38 | C8502 - NATURAL RES SPEC 2 | 0709063 | 12 | 0 | 79,877 | 0 | 0 | | | - |
| 39 | C8502 - NATURAL RES SPEC 2 | 0709079 | 24 | 0 | 0 | 179,596 | 0 | - | 149,512 | 149,512 |
| 40 | C8501 - NATURAL RES SPEC 1 | 0709089 | 24 | 0 | 0 | 0 | 132,853 | 40,409 | 74,435 | 114,844 |
| 41 | X8505 - NATURAL RES SPEC 5 | 0709092 | 24 | 258,791 | 0 | 0 | 0 | - | - | - |
| 42 | C8503 - NATURAL RES SPEC 3 | 0911074 | 24 | 0 | 0 | 165,997 | 0 | - | 155,866 | 155,866 |
| 43 | C8502 - NATURAL RES SPEC 2 | 0911251 | 24 | 0 | 179,596 | 0 | 0 | 115,495 | 36,747 | 152,242 |
| 44 | C8503 - NATURAL RES SPEC 3 | 0911261 | 24 | 0 | 172,579 | 0 | 0 | 161,295 | - | 161,295 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 45 | X3775 - SUPV FISH/WL BIOLGST | 0911269 | 24 | 0 | 209,762 | 0 | 0 | 169,208 | 12,255 | 181,463 |
| 46 | C8502 - NATURAL RES SPEC 2 | 0911270 | 24 | 0 | 159,754 | 0 | 0 | 137,943 | - | 137,943 |
| 47 | C8502 - NATURAL RES SPEC 2 | 0911275 | 24 | 0 | 179,596 | 0 | 0 | 123,892 | 14,152 | 138,044 |
| 48 | C8503 - NATURAL RES SPEC 3 | 0911286 | 24 | 0 | 165,997 | 0 | 0 | 106,432 | 14,104 | 120,536 |
| 49 | C8501 - NATURAL RES SPEC 1 | 0911309 | 24 | 0 | 137,505 | 0 | 0 | 88,903 | - | 88,903 |
| 50 | C8501 - NATURAL RES SPEC 1 | 0911336 | 12 | 0 | 0 | 61,821 | 0 | 1,086 | 62,485 | 63,571 |
| 51 | C8502 - NATURAL RES SPEC 2 | 0911340 | 24 | 0 | 0 | 142,659 | 0 | 998 | 85,017 | 86,015 |
| 52 | C8502 - NATURAL RES SPEC 2 | 0911410 | 24 | 0 | 37,094 | 111,282 | 0 | 36,052 | 108,152 | 144,204 |
| 53 | C8504 - NATURAL RES SPEC 4 | 1000005 | 24 | 0 | 0 | 116,738 | 62,858 | 59,214 | 109,968 | 169,182 |
| 54 | C8503 - NATURAL RES SPEC 3 | 1000012 | 24 | 0 | 194,439 | 0 | 0 | 110,420 | 31,978 | 142,398 |
| 55 | C8504 - NATURAL RES SPEC 4 | 1000124 | 24 | 0 | 0 | 148,762 | 80,102 | 74,618 | 138,576 | 213,194 |
| 56 | C8503 - NATURAL RES SPEC 3 | 1000125 | 24 | 0 | 0 | 100,042 | 53,868 | 36,403 | 67,606 | 104,009 |
| 57 | C8502 - NATURAL RES SPEC 2 | 1000137 | 24 | 0 | 89,798 | 89,798 | 0 | 61,197 | 32,798 | 93,995 |
| 58 | C8502 - NATURAL RES SPEC 2 | 1000171 | 24 | 0 | 0 | 179,596 | 0 | - | 163,562 | 163,562 |
| 59 | C8504 - NATURAL RES SPEC 4 | 1000172 | 7.14 | 0 | 65,346 | 0 | 0 | 117,015 | 93,331 | 210,346 |
| 59 | C8504 - NATURAL RES SPEC 4 | 1000172 | 16.86 | 0 | 154,305 | 0 | 0 | | | - |
| 60 | C8504 - NATURAL RES SPEC 4 | 1000173 | 24 | 0 | 107,862 | 64,717 | 0 | 89,761 | 53,443 | 143,204 |
| 61 | C8504 - NATURAL RES SPEC 4 | 1000174 | 24 | 0 | 137,282 | 82,369 | 0 | 142,797 | 66,769 | 209,566 |
| 62 | C8504 - NATURAL RES SPEC 4 | 1000177 | 24 | 0 | 179,596 | 0 | 0 | 87,989 | 69,028 | 157,017 |
| 63 | X8505 - NATURAL RES SPEC 5 | 1000179 | 24 | 0 | 0 | 0 | 228,035 | 41,436 | 54,341 | 95,777 |
| 64 | C8503 - NATURAL RES SPEC 3 | 1000186 | 24 | 0 | 0 | 112,177 | 60,402 | 29,137 | 54,113 | 83,250 |
| 65 | C8503 - NATURAL RES SPEC 3 | 1000204 | 24 | 0 | 0 | 202,536 | 0 | 9,879 | 176,307 | 186,186 |
| 66 | C8502 - NATURAL RES SPEC 2 | 1100015 | 24 | 0 | 44,899 | 134,697 | 0 | 39,054 | 117,163 | 156,217 |
| 67 | C8503 - NATURAL RES SPEC 3 | 1100041 | 24 | 202,536 | 0 | 0 | 0 | 189,134 | - | 189,134 |
| 68 | C8502 - NATURAL RES SPEC 2 | 1100063 | 24 | 44,899 | 134,697 | 0 | 0 | 39,056 | 117,170 | 156,226 |
| 69 | C8502 - NATURAL RES SPEC 2 | 1100071 | 24 | 43,144 | 129,435 | 0 | 0 | 37,422 | 112,264 | 149,686 |
| 70 | C8502 - NATURAL RES SPEC 2 | 1100075 | 24 | 44,899 | 134,697 | 0 | 0 | 39,056 | 117,167 | 156,223 |
| 71 | C8502 - NATURAL RES SPEC 2 | 1100081 | 24 | 38,477 | 115,433 | 0 | 0 | 20,904 | 62,713 | 83,617 |
| 72 | X3775 - SUPV FISH/WL BIOLGST | 1100098 | 24 | 48,337 | 145,012 | 0 | 0 | 43,593 | 130,777 | 174,370 |
| 73 | X3775 - SUPV FISH/WL BIOLGST | 1100104 | 4 | 0 | 30,936 | 0 | 0 | 71,275 | 100,826 | 172,101 |
| 73 | X3775 - SUPV FISH/WL BIOLGST | 1100104 | 20 | 0 | 38,670 | 116,011 | 0 | | | - |
| 74 | C8503 - NATURAL RES SPEC 3 | 1100118 | 24 | 52,440 | 157,322 | 0 | 0 | 46,900 | 140,698 | 187,598 |
| 75 | C8501 - NATURAL RES SPEC 1 | 1100139 | 4 | 0 | 25,653 | 0 | 0 | 21,793 | 65,380 | 87,173 |
| 75 | C8501 - NATURAL RES SPEC 1 | 1100139 | 20 | 0 | 32,065 | 96,194 | 0 | | | - |
| 76 | C8503 - NATURAL RES SPEC 3 | 1100178 | 24 | 0 | 0 | 131,648 | 70,888 | 65,258 | 123,878 | 189,136 |
| 77 | X3775 - SUPV FISH/WL BIOLGST | 1100213 | 24 | 52,440 | 157,322 | 0 | 0 | 37,130 | 111,388 | 148,518 |
| 78 | C8503 - NATURAL RES SPEC 3 | 1113003 | 24 | 159,754 | 0 | 0 | 0 | 51,496 | 87,804 | 139,300 |
| 79 | C8501 - NATURAL RES SPEC 1 | 1113296 | 13 | 0 | 86,004 | 0 | 0 | 58,936 | 4,637 | 63,573 |
| 80 | C8502 - NATURAL RES SPEC 2 | 1113322 | 24 | 0 | 0 | 179,596 | 0 | - | 155,070 | 155,070 |
| 81 | C8502 - NATURAL RES SPEC 2 | 1200006 | 24 | 0 | 44,899 | 134,697 | 0 | 41,990 | 125,971 | 167,961 |
| 82 | C8502 - NATURAL RES SPEC 2 | 1200041 | 24 | 0 | 43,145 | 129,434 | 0 | 32,396 | 123,724 | 156,120 |
| 83 | C8502 - NATURAL RES SPEC 2 | 1200070 | 24 | 0 | 179,596 | 0 | 0 | 109,753 | 56,506 | 166,259 |
| 84 | C8502 - NATURAL RES SPEC 2 | 1200078 | 24 | 44,899 | 134,697 | 0 | 0 | 26,526 | 79,577 | 106,103 |
| 85 | X3775 - SUPV FISH/WL BIOLGST | 1200090 | 24 | 0 | 52,441 | 157,321 | 0 | 48,962 | 146,883 | 195,845 |
| 86 | C8502 - NATURAL RES SPEC 2 | 1200095 | 24 | 44,899 | 134,697 | 0 | 0 | 36,046 | 108,138 | 144,184 |
| 87 | X3775 - SUPV FISH/WL BIOLGST | 1200099 | 24 | 52,440 | 157,322 | 0 | 0 | 48,992 | 146,976 | 195,968 |
| 88 | C8503 - NATURAL RES SPEC 3 | 1200103 | 24 | 50,634 | 151,902 | 0 | 0 | 44,794 | 134,380 | 179,174 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 89 | X3775 - SUPV FISH/WL BIOLGST | 1200112 | 24 | 52,440 | 157,322 | 0 | 0 | 48,886 | 146,657 | 195,543 |
| 90 | C8502 - NATURAL RES SPEC 2 | 1200147 | 24 | 44,899 | 134,697 | 0 | 0 | 38,814 | 111,254 | 150,068 |
| 91 | C8502 - NATURAL RES SPEC 2 | 1200194 | 24 | 44,899 | 134,697 | 0 | 0 | 24,623 | 73,868 | 98,491 |
| 92 | C8502 - NATURAL RES SPEC 2 | 1202207 | 24 | 153,910 | 0 | 0 | 0 | 141,580 | - | 141,580 |
| 93 | C8501 - NATURAL RES SPEC 1 | 1300046 | 8 | 35,665 | 11,888 | 0 | 0 | 22,514 | 67,542 | 90,056 |
| 93 | C8501 - NATURAL RES SPEC 1 | 1300046 | 16 | 0 | 23,777 | 71,329 | 0 | | | - |
| 94 | C8501 - NATURAL RES SPEC 1 | 1300049 | 12 | 39,938 | 39,939 | 0 | 0 | 33,688 | 114,869 | 148,557 |
| 94 | C8501 - NATURAL RES SPEC 1 | 1300049 | 12 | 0 | 19,969 | 59,908 | 0 | | | - |
| 95 | C8502 - NATURAL RES SPEC 2 | 1300074 | 16 | 39,938 | 66,565 | 0 | 0 | 37,218 | 111,651 | 148,869 |
| 95 | C8502 - NATURAL RES SPEC 2 | 1300074 | 8 | 0 | 13,312 | 39,936 | 0 | | | - |
| 96 | C8502 - NATURAL RES SPEC 2 | 1300080 | 20 | 44,899 | 104,764 | 0 | 0 | 37,515 | 112,541 | 150,056 |
| 96 | C8502 - NATURAL RES SPEC 2 | 1300080 | 4 | 0 | 7,484 | 22,451 | 0 | | | - |
| 97 | C8502 - NATURAL RES SPEC 2 | 1300093 | 0 | 0 | 0 | 0 | 0 | 38,532 | 115,596 | 154,128 |
| 97 | C8502 - NATURAL RES SPEC 2 | 1300093 | 2 | 0 | 3,596 | 10,785 | 0 | | | - |
| 98 | X3775 - SUPV FISH/WL BIOLGST | 1300102 | 0 | 0 | 0 | 0 | 0 | 48,279 | 144,837 | 193,116 |
| 98 | X3775 - SUPV FISH/WL BIOLGST | 1300102 | 1 | 0 | 2,186 | 6,555 | 0 | | | - |
| 99 | C8503 - NATURAL RES SPEC 3 | 1300109 | 23 | 44,749 | 127,364 | 0 | 0 | 42,624 | 128,847 | 171,471 |
| 99 | C8503 - NATURAL RES SPEC 3 | 1300109 | 1 | 0 | 1,871 | 5,613 | 0 | | | - |
| 100 | X3775 - SUPV FISH/WL BIOLGST | 1300110 | 22 | 51,916 | 140,366 | 0 | 0 | 84,872 | 109,708 | 194,580 |
| 100 | X3775 - SUPV FISH/WL BIOLGST | 1300110 | 2 | 0 | 4,370 | 13,109 | 0 | | | - |
| 101 | C8503 - NATURAL RES SPEC 3 | 1300117 | 24 | 38,477 | 0 | 115,433 | 0 | 34,130 | 102,389 | 136,519 |
| 102 | C8503 - NATURAL RES SPEC 3 | 1300120 | 22 | 44,450 | 120,180 | 0 | 0 | 42,674 | 128,020 | 170,694 |
| 102 | C8503 - NATURAL RES SPEC 3 | 1300120 | 2 | 0 | 3,742 | 11,224 | 0 | | | - |
| 103 | C8501 - NATURAL RES SPEC 1 | 1300138 | 20 | 32,028 | 74,733 | 0 | 0 | 28,801 | 72,034 | 100,835 |
| 103 | C8501 - NATURAL RES SPEC 1 | 1300138 | 4 | 0 | 5,338 | 16,015 | 0 | | | - |
| 104 | C8502 - NATURAL RES SPEC 2 | 1300155 | 24 | 34,376 | 103,129 | 0 | 0 | 41,292 | 123,874 | 165,166 |
| 105 | C8503 - NATURAL RES SPEC 3 | 1300168 | 24 | 0 | 0 | 131,648 | 70,888 | 64,698 | 120,153 | 184,851 |
| 106 | C8503 - NATURAL RES SPEC 3 | 1315012 | 24 | 0 | 186,983 | 0 | 0 | - | 171,893 | 171,893 |
| 107 | C8503 - NATURAL RES SPEC 3 | 1315013 | 24 | 0 | 202,536 | 0 | 0 | - | 180,938 | 180,938 |
| 108 | C8503 - NATURAL RES SPEC 3 | 1315014 | 24 | 0 | 172,579 | 0 | 0 | 7,630 | 112,052 | 119,682 |
| 109 | C8501 - NATURAL RES SPEC 1 | 1315023 | 24 | 0 | 0 | 137,505 | 0 | 5,843 | 89,908 | 95,751 |
| 110 | X8504 - NATURAL RES SPEC 4 | 1315028 | 24 | 201,403 | 0 | 0 | 0 | 174,886 | - | 174,886 |
| 111 | C8503 - NATURAL RES SPEC 3 | 1315029 | 24 | 165,997 | 0 | 0 | 0 | 85,194 | - | 85,194 |
| 112 | C8503 - NATURAL RES SPEC 3 | 1315030 | 24 | 172,579 | 0 | 0 | 0 | 149,440 | - | 149,440 |
| 113 | C8502 - NATURAL RES SPEC 2 | 1315031 | 24 | 179,596 | 0 | 0 | 0 | 95,286 | - | 95,286 |
| 114 | C8503 - NATURAL RES SPEC 3 | 1315033 | 24 | 179,596 | 0 | 0 | 0 | 135,941 | - | 135,941 |
| 115 | C8501 - NATURAL RES SPEC 1 | 1315269 | 24 | 0 | 30,909 | 92,725 | 0 | 4,767 | 88,559 | 93,326 |
| 116 | C8503 - NATURAL RES SPEC 3 | 1400022 | 24 | 0 | 183,019 | 3,964 | 0 | 150,844 | 28,181 | 179,025 |
| 117 | C8502 - NATURAL RES SPEC 2 | 1400029 | 24 | 0 | 0 | 153,910 | 0 | 9,037 | 121,945 | 130,982 |
| 118 | C8502 - NATURAL RES SPEC 2 | 1400072 | 24 | 38,477 | 115,433 | 0 | 0 | 35,649 | 106,947 | 142,596 |
| 119 | C8502 - NATURAL RES SPEC 2 | 1400073 | 24 | 34,376 | 103,129 | 0 | 0 | 36,763 | 110,290 | 147,053 |
| 120 | C8502 - NATURAL RES SPEC 2 | 1400083 | 24 | 44,899 | 134,697 | 0 | 0 | 47,864 | 126,044 | 173,908 |
| 121 | C8502 - NATURAL RES SPEC 2 | 1400084 | 24 | 0 | 44,899 | 134,697 | 0 | 27,705 | 136,085 | 163,790 |
| 122 | C8502 - NATURAL RES SPEC 2 | 1400085 | 24 | 37,094 | 111,282 | 0 | 0 | 26,386 | 68,124 | 94,510 |
| 123 | C8503 - NATURAL RES SPEC 3 | 1400092 | 24 | 0 | 0 | 131,648 | 70,888 | 48,633 | 145,895 | 194,528 |
| 124 | X3775 - SUPV FISH/WL BIOLGST | 1400105 | 24 | 0 | 52,441 | 157,321 | 0 | 25,141 | 94,855 | 119,996 |
| 125 | C8503 - NATURAL RES SPEC 3 | 1400107 | 24 | 50,634 | 151,902 | 0 | 0 | 63,221 | 126,721 | 189,942 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 126 | X3775 - SUPV FISH/WL BIOLGST | 1400111 | 24 | 42,780 | 128,342 | 0 | 0 | 40,831 | 122,494 | 163,325 |
| 127 | C8503 - NATURAL RES SPEC 3 | 1400113 | 24 | 44,899 | 134,697 | 0 | 0 | 42,979 | 128,935 | 171,914 |
| 128 | X3775 - SUPV FISH/WL BIOLGST | 1400114 | 24 | 50,350 | 151,053 | 0 | 0 | 55,262 | 136,744 | 192,006 |
| 129 | C8503 - NATURAL RES SPEC 3 | 1400115 | 24 | 50,634 | 151,902 | 0 | 0 | 47,012 | 141,035 | 188,047 |
| 130 | C8503 - NATURAL RES SPEC 3 | 1400116 | 24 | 48,609 | 145,830 | 0 | 0 | 45,254 | 139,854 | 185,108 |
| 131 | C8502 - NATURAL RES SPEC 2 | 1400131 | 24 | 0 | 44,899 | 134,697 | 0 | 33,949 | 133,561 | 167,510 |
| 132 | C8502 - NATURAL RES SPEC 2 | 1400144 | 24 | 35,665 | 106,994 | 0 | 0 | 32,262 | 96,786 | 129,048 |
| 133 | C8502 - NATURAL RES SPEC 2 | 1400151 | 24 | 0 | 35,665 | 106,994 | 0 | 18,314 | 79,461 | 97,775 |
| 134 | C8502 - NATURAL RES SPEC 2 | 1400173 | 24 | 39,938 | 119,816 | 0 | 0 | 16,036 | 48,106 | 64,142 |
| 135 | C8502 - NATURAL RES SPEC 2 | 1500077 | 24 | 44,899 | 134,697 | 0 | 0 | 41,574 | 124,723 | 166,297 |
| 136 | C8502 - NATURAL RES SPEC 2 | 1500082 | 24 | 38,477 | 115,433 | 0 | 0 | 58,953 | 90,399 | 149,352 |
| 137 | C8503 - NATURAL RES SPEC 3 | 1500097 | 24 | 50,634 | 151,902 | 0 | 0 | 45,922 | 137,720 | 183,642 |
| 138 | C8503 - NATURAL RES SPEC 3 | 1500108 | 24 | 50,634 | 151,902 | 0 | 0 | 47,351 | 142,053 | 189,404 |
| 139 | C8503 - NATURAL RES SPEC 3 | 1500119 | 24 | 0 | 44,899 | 134,697 | 0 | 34,763 | 138,086 | 172,849 |
| 140 | C8503 - NATURAL RES SPEC 3 | 1500120 | 24 | 31,392 | 13,435 | 134,769 | 0 | 29,143 | 86,820 | 115,963 |
| 141 | X3775 - SUPV FISH/WL BIOLGST | 1500123 | 24 | 50,350 | 151,053 | 0 | 0 | 55,289 | 136,576 | 191,865 |
| 142 | C8502 - NATURAL RES SPEC 2 | 1500133 | 20 | 41,499 | 96,832 | 0 | 0 | 40,253 | 123,963 | 164,216 |
| 142 | C8502 - NATURAL RES SPEC 2 | 1500133 | 4 | 0 | 6,917 | 20,751 | 0 | | | - |
| 143 | C8502 - NATURAL RES SPEC 2 | 1500146 | 24 | 38,477 | 115,433 | 0 | 0 | 100,076 | - | 100,076 |
| 144 | C8502 - NATURAL RES SPEC 2 | 1517002 | 24 | 0 | 0 | 153,910 | 0 | - | 130,979 | 130,979 |
| 145 | C8501 - NATURAL RES SPEC 1 | 1517003 | 24 | 0 | 0 | 123,634 | 0 | - | 49,269 | 49,269 |
| 146 | C8501 - NATURAL RES SPEC 1 | 1517004 | 24 | 0 | 0 | 137,505 | 0 | 616 | 108,088 | 108,704 |
| 147 | C8502 - NATURAL RES SPEC 2 | 1517005 | 24 | 0 | 0 | 137,505 | 0 | 246 | 14,535 | 14,781 |
| 148 | C8503 - NATURAL RES SPEC 3 | 1517006 | 24 | 0 | 0 | 186,983 | 0 | 71,570 | 82,950 | 154,520 |
| 149 | X3775 - SUPV FISH/WL BIOLGST | 1517008 | 24 | 0 | 0 | 201,403 | 0 | - | 164,408 | 164,408 |
| 150 | C8502 - NATURAL RES SPEC 2 | 1517009 | 24 | 13,308 | 0 | 146,446 | 0 | 23,526 | 113,962 | 137,488 |
| 151 | C8501 - NATURAL RES SPEC 1 | 1517012 | 24 | 0 | 0 | 132,853 | 0 | 272 | 7,929 | 8,201 |
| 152 | C8502 - NATURAL RES SPEC 2 | 1517013 | 24 | 0 | 0 | 148,376 | 0 | - | 114,497 | 114,497 |
| 153 | C8502 - NATURAL RES SPEC 2 | 1517022 | 24 | 0 | 0 | 137,505 | 0 | 4,324 | 101,140 | 105,464 |
| 154 | C8502 - NATURAL RES SPEC 2 | 1517023 | 24 | 0 | 0 | 179,596 | 0 | - | 144,090 | 144,090 |
| 155 | C8502 - NATURAL RES SPEC 2 | 1517027 | 12 | 0 | 0 | 89,798 | 0 | - | - | - |
| 156 | C8502 - NATURAL RES SPEC 2 | 1517029 | 24 | 0 | 0 | 148,376 | 0 | - | 129,176 | 129,176 |
| 157 | C8502 - NATURAL RES SPEC 2 | 1517092 | 24 | 0 | 0 | 159,754 | 0 | - | 157,398 | 157,398 |
| 158 | C8502 - NATURAL RES SPEC 2 | 1517093 | 24 | 0 | 0 | 137,505 | 0 | - | 95,488 | 95,488 |
| 159 | C8502 - NATURAL RES SPEC 2 | 1517094 | 24 | 0 | 0 | 137,505 | 0 | - | - | - |
| 160 | C8503 - NATURAL RES SPEC 3 | 1517095 | 24 | 0 | 0 | 172,579 | 0 | 2,659 | 164,289 | 166,948 |
| 161 | X3775 - SUPV FISH/WL BIOLGST | 1517096 | 24 | 0 | 0 | 178,145 | 0 | - | 148,312 | 148,312 |
| 162 | X3775 - SUPV FISH/WL BIOLGST | 1517097 | 24 | 0 | 29,697 | 148,448 | 0 | - | 161,176 | 161,176 |
| 163 | C8501 - NATURAL RES SPEC 1 | 1517110 | 12 | 0 | 0 | 61,821 | 0 | - | - | - |
| 164 | C8501 - NATURAL RES SPEC 1 | 1517111 | 12 | 0 | 0 | 61,821 | 0 | - | - | - |
| 165 | C8501 - NATURAL RES SPEC 1 | 1517112 | 12 | 0 | 0 | 61,821 | 0 | - | - | - |
| 166 | C8501 - NATURAL RES SPEC 1 | 1517113 | 6 | 0 | 30,908 | 0 | 0 | - | 17,042 | 17,042 |
| 167 | C8501 - NATURAL RES SPEC 1 | 1517114 | 24 | 0 | 0 | 132,853 | 0 | - | - | - |
| 168 | C8503 - NATURAL RES SPEC 3 | 1517120 | 24 | 39,938 | 119,816 | 0 | 0 | 17,703 | 116,846 | 134,549 |
| 169 | C8501 - NATURAL RES SPEC 1 | 1517123 | 24 | 0 | 137,505 | 0 | 0 | - | - | - |
| 170 | C8501 - NATURAL RES SPEC 1 | 1517126 | 24 | 0 | 0 | 123,634 | 0 | 358 | 68,069 | 68,427 |
| 171 | C8503 - NATURAL RES SPEC 3 | 1517127 | 24 | 0 | 0 | 153,910 | 0 | - | 29,896 | 29,896 |

**Table 1. ODFW Position Information - 2015-17 Legislatively Adopted Position Information**

| Count | Class Title | Position [1] Number | Mos | 2015-17 Biennium Budgeted Amount GF$ | OF$ | FF$ | LF$ | 2015-17 Biennium Actuals through 2/28/17 State | Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| 172 | C8501 - NATURAL RES SPEC 1 | 1517128 | 24 | 0 | 123,634 | 0 | 0 | - | 116,693 | 116,693 |
| 173 | C8502 - NATURAL RES SPEC 2 | 1517129 | 24 | 0 | 153,910 | 0 | 0 | - | 75,691 | 75,691 |
| 174 | C8503 - NATURAL RES SPEC 3 | 1517130 | 24 | 0 | 186,983 | 0 | 0 | - | 147,393 | 147,393 |
| 175 | X3775 - SUPV FISH/WL BIOLGST | 1517131 | 24 | 164,491 | 0 | 0 | 0 | 160,837 | 10,104 | 170,941 |
| 176 | C8503 - NATURAL RES SPEC 3 | 1517132 | 24 | 0 | 52,899 | 101,011 | 0 | 33,382 | 107,611 | 140,993 |
| 177 | C8501 - NATURAL RES SPEC 1 | 1517133 | 18 | 0 | 0 | 92,725 | 0 | - | 43,069 | 43,069 |
| 178 | X3775 - SUPV FISH/WL BIOLGST | 1517134 | 24 | 64,444 | 0 | 128,905 | 0 | 23,412 | 67,689 | 91,101 |
| 179 | X3775 - SUPV FISH/WL BIOLGST | 1517135 | 24 | 0 | 178,145 | 0 | 0 | 2,044 | 142,234 | 144,278 |
| 180 | X3775 - SUPV FISH/WL BIOLGST | 1517136 | 24 | 0 | 46,404 | 139,213 | 0 | 40,165 | 120,496 | 160,661 |
| 181 | C8501 - NATURAL RES SPEC 1 | 1517138 | 24 | 0 | 123,634 | 0 | 0 | - | 99,856 | 99,856 |
| 182 | C8502 - NATURAL RES SPEC 2 | 1517140 | 24 | 179,596 | 0 | 0 | 0 | - | - | - |
| 183 | C8502 - NATURAL RES SPEC 2 | 1517192 | 24 | 37,094 | 111,282 | 0 | 0 | 26,755 | 23,303 | 50,058 |
| 184 | C8502 - NATURAL RES SPEC 2 | 1517193 | 24 | 35,665 | 106,994 | 0 | 0 | 61,370 | 34,891 | 96,261 |
| 185 | C8502 - NATURAL RES SPEC 2 | 1517194 | 24 | 0 | 0 | 137,505 | 0 | - | 99,887 | 99,887 |
| 186 | C8504 - NATURAL RES SPEC 4 | 1517201 | 24 | 0 | 172,579 | 0 | 0 | - | 105,349 | 105,349 |
| 187 | C8501 - NATURAL RES SPEC 1 | 1517202 | 12 | 0 | 0 | 61,821 | 0 | - | - | - |
| 188 | C8501 - NATURAL RES SPEC 1 | 1517203 | 12 | 0 | 0 | 61,821 | 0 | - | - | - |
| 189 | C8503 - NATURAL RES SPEC 3 | 1517204 | 24 | 0 | 172,579 | 0 | 0 | 88,192 | - | 88,192 |
| 190 | C8502 - NATURAL RES SPEC 2 | 1517205 | 24 | 137,505 | 0 | 0 | 0 | 89,615 | - | 89,615 |
| 191 | C8505 - NATURAL RES SPEC 5 | 1517210 | 24 | 186,983 | 0 | 0 | 0 | 111,560 | - | 111,560 |
| 192 | C8502 - NATURAL RES SPEC 2 | 1517212 | 24 | 0 | 34,767 | 104,301 | 0 | 13,570 | 40,703 | 54,273 |
| 193 | C8501 - NATURAL RES SPEC 1 | 1517220 | 12 | 0 | 62,501 | 0 | 0 | 26,881 | - | 26,881 |
| 194 | C8503 - NATURAL RES SPEC 3 | 1517221 | 24 | 0 | 155,748 | 0 | 0 | 46,086 | - | 46,086 |
| 195 | C8504 - NATURAL RES SPEC 4 | 1517222 | 24 | 0 | 174,682 | 0 | 0 | - | 43,681 | 43,681 |
| 196 | C8504 - NATURAL RES SPEC 4 | 1517223 | 24 | 0 | 43,671 | 131,011 | 0 | - | - | - |
| 197 | C8501 - NATURAL RES SPEC 1 | 1517234 | 9 | 0 | 46,876 | 0 | 0 | 31,031 | - | 31,031 |
| 198 | C8501 - NATURAL RES SPEC 1 | 1517235 | 9 | 0 | 0 | 46,876 | 0 | 18,650 | - | 18,650 |
| 199 | X8504 - NATURAL RES SPEC 4 | 1610135 | 12 | 118,977 | 0 | 0 | 0 | 210,031 | - | 210,031 |
| 199 | X8504 - NATURAL RES SPEC 4 | 1610135 | 12 | 0 | 0 | 0 | 118,977 | | | - |
| 200 | C8502 - NATURAL RES SPEC 2 | 1610215 | 24 | 0 | 0 | 179,596 | 0 | 11,107 | 63,690 | 74,797 |
| 201 | C8501 - NATURAL RES SPEC 1 | 1700051 | 24 | 0 | 0 | 132,853 | 0 | - | 117,861 | 117,861 |
| 202 | C8502 - NATURAL RES SPEC 2 | 1700069 | 24 | 44,899 | 134,697 | 0 | 0 | 41,570 | 124,709 | 166,279 |
| 203 | X3775 - SUPV FISH/WL BIOLGST | 1700096 | 22 | 51,916 | 140,366 | 0 | 0 | 48,592 | 145,777 | 194,369 |
| 203 | X3775 - SUPV FISH/WL BIOLGST | 1700096 | 2 | 0 | 17,479 | 0 | 0 | | | - |
| 204 | C8503 - NATURAL RES SPEC 3 | 1700100 | 24 | 50,634 | 151,902 | 0 | 0 | 47,429 | 142,288 | 189,717 |
| 205 | C8502 - NATURAL RES SPEC 2 | 1700132 | 24 | 34,376 | 103,129 | 0 | 0 | 25,117 | 75,352 | 100,469 |
| 206 | C8502 - NATURAL RES SPEC 2 | 1702019 | 24 | 0 | 165,997 | 0 | 0 | 134,343 | 5,535 | 139,878 |
| 207 | C8502 - NATURAL RES SPEC 2 | 1702208 | 24 | 0 | 179,596 | 0 | 0 | 135,067 | - | 135,067 |
| 208 | C8502 - NATURAL RES SPEC 2 | 1800011 | 24 | 0 | 44,899 | 134,697 | 0 | 18,148 | 54,443 | 72,591 |
| 209 | C8504 - NATURAL RES SPEC 4 | 2000022 | 7 | 0 | 59,073 | 0 | 0 | 106,438 | 84,936 | 191,374 |
| 209 | C8504 - NATURAL RES SPEC 4 | 2000022 | 17 | 0 | 143,453 | 0 | 0 | | | - |
| 210 | C8502 - NATURAL RES SPEC 2 | 2000090 | 16.16 | 0 | 0 | 104,709 | 0 | - | 77,489 | 77,489 |
| 211 | X3775 - SUPV FISH/WL BIOLGST | 2010021 | 24 | 0 | 89,149 | 120,613 | 0 | 35,481 | 113,330 | 148,811 |
| 212 | C8501 - NATURAL RES SPEC 1 | 2010129 | 8 | 0 | 0 | 45,832 | 0 | 5,007 | 80,505 | 85,512 |
| 212 | C8501 - NATURAL RES SPEC 1 | 2010129 | 16 | 0 | 0 | 91,670 | 0 | | | - |
| 213 | X3775 - SUPV FISH/WL BIOLGST | 2010131 | 16 | 0 | 34,961 | 104,881 | 0 | 51,787 | 144,217 | 196,004 |
| 213 | X3775 - SUPV FISH/WL BIOLGST | 2010131 | 7 | 0 | 0 | 61,181 | 0 | | | - |

**Table 1. ODFW Position Information - 2015-17 Legislatively Adopted Position Information -**

| Count | Class Title | Position Number [1] | Mos | 2015-17 Biennium Budgeted Amount GF$ | OF$ | FF$ | LF$ | 2015-17 Biennium Actuals through 2/28/17 State | Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| 213 | X3775 - SUPV FISH/WL BIOLGST | 2010131 | 1 | 0 | 8,741 | 0 | 0 | | | - |
| 214 | C8502 - NATURAL RES SPEC 2 | 2010572 | 24 | 0 | 17,188 | 120,317 | 0 | 20,703 | 121,773 | 142,476 |
| 215 | C8503 - NATURAL RES SPEC 3 | 2010574 | 24 | 0 | 135,699 | 66,837 | 0 | 39,194 | 92,664 | 131,858 |
| 216 | C8503 - NATURAL RES SPEC 3 | 2010582 | 2 | 0 | 0 | 16,877 | 0 | 84,163 | 103,245 | 187,408 |
| 216 | C8503 - NATURAL RES SPEC 3 | 2010582 | 22 | 0 | 109,706 | 75,952 | 0 | | | - |
| 217 | X3775 - SUPV FISH/WL BIOLGST | 2010624 | 24 | 0 | 78,425 | 92,697 | 0 | 66,138 | 100,485 | 166,623 |
| 218 | C8502 - NATURAL RES SPEC 2 | 2010633 | 12 | 0 | 0 | 76,955 | 0 | 17,539 | 122,695 | 140,234 |
| 218 | C8502 - NATURAL RES SPEC 2 | 2010633 | 12 | 0 | 20,825 | 56,130 | 0 | | | - |
| 219 | C8504 - NATURAL RES SPEC 4 | 2010638 | 24 | 0 | 57,216 | 171,648 | 0 | 51,448 | 67,049 | 118,497 |
| 220 | C8502 - NATURAL RES SPEC 2 | 2010662 | 24 | 0 | 48,635 | 130,961 | 0 | 49,976 | 107,758 | 157,734 |
| 221 | C8503 - NATURAL RES SPEC 3 | 2010799 | 12 | 0 | 101,268 | 0 | 0 | 167,727 | 4,114 | 171,841 |
| 221 | C8503 - NATURAL RES SPEC 3 | 2010799 | 12 | 0 | 101,268 | 0 | 0 | | | - |
| 222 | C8503 - NATURAL RES SPEC 3 | 2010802 | 24 | 0 | 75,951 | 126,585 | 0 | 57,119 | 70,292 | 127,411 |
| 223 | C8502 - NATURAL RES SPEC 2 | 2010840 | 24 | 0 | 37,094 | 111,282 | 0 | 34,730 | 104,190 | 138,920 |
| 224 | C8503 - NATURAL RES SPEC 3 | 2020093 | 20.76 | 0 | 0 | 159,494 | 0 | 1,917 | 133,246 | 135,163 |
| 225 | C8501 - NATURAL RES SPEC 1 | 2020094 | 24 | 0 | 0 | 0 | 159,754 | 109,059 | 18,976 | 128,035 |
| 226 | C8502 - NATURAL RES SPEC 2 | 2020095 | 24 | 0 | 0 | 0 | 179,596 | 152,939 | 12,137 | 165,076 |
| 227 | C8502 - NATURAL RES SPEC 2 | 2020097 | 24 | 0 | 179,596 | 0 | 0 | 26,351 | 141,599 | 167,950 |
| 228 | C8503 - NATURAL RES SPEC 3 | 2020102 | 24 | 0 | 33,763 | 168,773 | 0 | 69,808 | 114,908 | 184,716 |
| 229 | C8502 - NATURAL RES SPEC 2 | 2020103 | 24 | 148,376 | 0 | 0 | 0 | 116,637 | 19,223 | 135,860 |
| 230 | C8502 - NATURAL RES SPEC 2 | 2020110 | 24 | 0 | 148,376 | 0 | 0 | 118,056 | 17,896 | 135,952 |
| 231 | C8502 - NATURAL RES SPEC 2 | 2020111 | 24 | 172,579 | 0 | 0 | 0 | 145,348 | 7,020 | 152,368 |
| 232 | C8502 - NATURAL RES SPEC 2 | 2020112 | 24 | 172,579 | 0 | 0 | 0 | 167,442 | - | 167,442 |
| 233 | C8503 - NATURAL RES SPEC 3 | 2020113 | 24 | 0 | 0 | 0 | 179,596 | 157,083 | 7,903 | 164,986 |
| 234 | C8502 - NATURAL RES SPEC 2 | 2020116 | 24 | 0 | 0 | 137,505 | 0 | 8,417 | 15,418 | 23,835 |
| 235 | C8502 - NATURAL RES SPEC 2 | 2020123 | 24 | 153,910 | 0 | 0 | 0 | 125,056 | 21,219 | 146,275 |
| 236 | C8502 - NATURAL RES SPEC 2 | 2020124 | 24 | 0 | 0 | 179,596 | 0 | - | 161,603 | 161,603 |
| 237 | X8504 - NATURAL RES SPEC 4 | 2020126 | 24 | 0 | 0 | 61,135 | 166,900 | 106,340 | 29,541 | 135,881 |
| 238 | C8503 - NATURAL RES SPEC 3 | 2020127 | 24 | 0 | 101,268 | 101,268 | 0 | 98,731 | 77,762 | 176,493 |
| 239 | C8504 - NATURAL RES SPEC 4 | 2020547 | 24 | 0 | 177,219 | 25,317 | 0 | 91,525 | 105,581 | 197,106 |
| 240 | C8503 - NATURAL RES SPEC 3 | 2020626 | 24 | 0 | 0 | 153,910 | 0 | - | - | - |
| 241 | C8504 - NATURAL RES SPEC 4 | 2020640 | 24 | 0 | 114,432 | 114,432 | 0 | 88,559 | 106,929 | 195,488 |
| 242 | C8503 - NATURAL RES SPEC 3 | 2020961 | 24 | 0 | 202,536 | 0 | 0 | 179,264 | 6,822 | 186,086 |
| 243 | C8504 - NATURAL RES SPEC 4 | 2020985 | 24 | 0 | 0 | 0 | 194,439 | 184,008 | - | 184,008 |
| 244 | C8502 - NATURAL RES SPEC 2 | 2030283 | 24 | 0 | 0 | 137,505 | 0 | - | 113,235 | 113,235 |
| 245 | C8503 - NATURAL RES SPEC 3 | 2030584 | 24 | 6,744 | 16,203 | 179,589 | 0 | 9,723 | 179,247 | 188,970 |
| 246 | C8503 - NATURAL RES SPEC 3 | 2030590 | 24 | 38,602 | 8,446 | 155,488 | 0 | 80,587 | 100,154 | 180,741 |
| 247 | C8503 - NATURAL RES SPEC 3 | 2030608 | 24 | 5,386 | 0 | 148,524 | 0 | 80,357 | 53,374 | 133,731 |
| 248 | C8503 - NATURAL RES SPEC 3 | 2030619 | 24 | 0 | 0 | 202,536 | 0 | - | 159,090 | 159,090 |
| 249 | X3775 - SUPV FISH/WL BIOLGST | 2030622 | 24 | 106,502 | 0 | 94,901 | 0 | 7,618 | 179,758 | 187,376 |
| 250 | C8503 - NATURAL RES SPEC 3 | 2030634 | 24 | 0 | 0 | 194,439 | 0 | 31,622 | 144,946 | 176,568 |
| 251 | C8503 - NATURAL RES SPEC 3 | 2030738 | 24 | 39,412 | 20,254 | 142,870 | 0 | 42,661 | 76,469 | 119,130 |
| 252 | C8503 - NATURAL RES SPEC 3 | 2030755 | 24 | 38,329 | 0 | 134,250 | 0 | - | 148,657 | 148,657 |
| 253 | C8503 - NATURAL RES SPEC 3 | 2030986 | 24 | 0 | 179,596 | 0 | 0 | - | 130,967 | 130,967 |
| 254 | C8502 - NATURAL RES SPEC 2 | 2040016 | 24 | 0 | 179,596 | 0 | 0 | 40,999 | 121,507 | 162,506 |
| 255 | C8503 - NATURAL RES SPEC 3 | 2040018 | 24 | 0 | 202,536 | 0 | 0 | 55,498 | 133,469 | 188,967 |
| 256 | C8501 - NATURAL RES SPEC 1 | 2040019 | 24 | 0 | 0 | 137,505 | 0 | 121,459 | - | 121,459 |

**Table 1. ODFW Position Information - 2015-17 Legislatively Adopted Position Information**

| Count | Class Title | Position [1] Number | Mos | 2015-17 Biennium Budgeted Amount GF$ | OF$ | FF$ | LF$ | 2015-17 Biennium Actuals through 2/28/17 State | Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| 257 | C8501 - NATURAL RES SPEC 1 | 2040020 | 24 | 0 | 26,630 | 133,124 | 0 | 30,288 | 119,898 | 150,186 |
| 258 | C8501 - NATURAL RES SPEC 1 | 2040021 | 24 | 0 | 149,769 | 9,985 | 0 | 112,850 | 45,690 | 158,540 |
| 259 | C8501 - NATURAL RES SPEC 1 | 2040022 | 24 | 0 | 0 | 153,910 | 0 | - | 145,516 | 145,516 |
| 260 | C8501 - NATURAL RES SPEC 1 | 2040023 | 24 | 0 | 14,328 | 123,177 | 0 | 8,906 | 95,577 | 104,483 |
| 261 | C8501 - NATURAL RES SPEC 1 | 2040024 | 24 | 0 | 102,596 | 51,314 | 0 | 21,601 | 74,896 | 96,497 |
| 262 | C8503 - NATURAL RES SPEC 3 | 2100099 | 24 | 21,572 | 0 | 64,717 | 86,290 | 81,004 | 49,880 | 130,884 |
| 263 | C8502 - NATURAL RES SPEC 2 | 2100101 | 24 | 38,477 | 115,433 | 0 | 0 | 29,980 | 69,383 | 99,363 |
| 264 | C8502 - NATURAL RES SPEC 2 | 2100553 | 24 | 44,899 | 134,697 | 0 | 0 | 159,428 | 6,395 | 165,823 |
| 265 | C8502 - NATURAL RES SPEC 2 | 2100564 | 24 | 0 | 44,899 | 134,697 | 0 | 39,903 | 119,708 | 159,611 |
| 266 | X3775 - SUPV FISH/WL BIOLGST | 2100596 | 24 | 41,122 | 123,369 | 0 | 0 | 186,771 | - | 186,771 |
| 267 | X3775 - SUPV FISH/WL BIOLGST | 2100604 | 24 | 52,440 | 157,322 | 0 | 0 | 192,296 | - | 192,296 |
| 268 | C8503 - NATURAL RES SPEC 3 | 2100606 | 24 | 50,634 | 151,902 | 0 | 0 | 174,915 | - | 174,915 |
| 269 | C8502 - NATURAL RES SPEC 2 | 2100758 | 24 | 0 | 39,939 | 119,815 | 0 | 27,414 | 82,240 | 109,654 |
| 270 | C8502 - NATURAL RES SPEC 2 | 2100762 | 24 | 41,499 | 124,498 | 0 | 0 | 152,545 | - | 152,545 |
| 271 | C8504 - NATURAL RES SPEC 4 | 2100800 | 24 | 0 | 194,439 | 0 | 0 | 63,831 | 49,410 | 113,241 |
| 272 | C8502 - NATURAL RES SPEC 2 | 2100834 | 24 | 0 | 38,478 | 115,432 | 0 | 40,657 | 67,638 | 108,295 |
| 273 | C8502 - NATURAL RES SPEC 2 | 2101316 | 24 | 0 | 153,910 | 0 | 0 | 114,609 | 28,274 | 142,883 |
| 274 | C8502 - NATURAL RES SPEC 2 | 2101576 | 24 | 0 | 179,596 | 0 | 0 | 120,356 | 2,156 | 122,512 |
| 275 | X3775 - SUPV FISH/WL BIOLGST | 2200133 | 24 | 52,440 | 157,322 | 0 | 0 | 193,836 | - | 193,836 |
| 276 | C8502 - NATURAL RES SPEC 2 | 2200556 | 24 | 0 | 44,899 | 134,697 | 0 | 23,833 | 71,500 | 95,333 |
| 277 | C8502 - NATURAL RES SPEC 2 | 2200557 | 24 | 44,899 | 134,697 | 0 | 0 | 155,895 | - | 155,895 |
| 278 | C8502 - NATURAL RES SPEC 2 | 2200559 | 24 | 0 | 0 | 153,910 | 0 | - | 149,029 | 149,029 |
| 279 | C8502 - NATURAL RES SPEC 2 | 2200565 | 24 | 39,938 | 119,816 | 0 | 0 | 131,455 | - | 131,455 |
| 280 | C8502 - NATURAL RES SPEC 2 | 2200567 | 24 | 0 | 112,248 | 67,348 | 0 | 77,753 | 54,641 | 132,394 |
| 281 | C8502 - NATURAL RES SPEC 2 | 2200569 | 24 | 153,910 | 0 | 0 | 0 | 136,994 | - | 136,994 |
| 282 | X3775 - SUPV FISH/WL BIOLGST | 2200589 | 24 | 52,440 | 157,322 | 0 | 0 | 151,616 | 523 | 152,139 |
| 283 | X3775 - SUPV FISH/WL BIOLGST | 2200594 | 24 | 52,440 | 157,322 | 0 | 0 | 192,283 | - | 192,283 |
| 284 | X3775 - SUPV FISH/WL BIOLGST | 2200597 | 24 | 52,440 | 157,322 | 0 | 0 | 194,446 | - | 194,446 |
| 285 | C8502 - NATURAL RES SPEC 2 | 2200635 | 24 | 0 | 38,478 | 115,432 | 0 | 23,203 | 69,607 | 92,810 |
| 286 | C8502 - NATURAL RES SPEC 2 | 2200748 | 24 | 44,899 | 134,697 | 0 | 0 | 165,189 | - | 165,189 |
| 287 | C8502 - NATURAL RES SPEC 2 | 2200759 | 24 | 39,938 | 59,908 | 59,908 | 0 | 95,781 | 54,448 | 150,229 |
| 288 | C8502 - NATURAL RES SPEC 2 | 2200760 | 24 | 0 | 44,899 | 134,697 | 0 | 41,988 | 125,964 | 167,952 |
| 289 | C8502 - NATURAL RES SPEC 2 | 2300094 | 24 | 0 | 179,596 | 0 | 0 | 156,079 | - | 156,079 |
| 290 | C8503 - NATURAL RES SPEC 3 | 2300099 | 24 | 0 | 0 | 93,491 | 93,492 | 78,652 | 105,270 | 183,922 |
| 291 | C8502 - NATURAL RES SPEC 2 | 2300549 | 24 | 0 | 179,596 | 0 | 0 | 172,336 | - | 172,336 |
| 292 | C8502 - NATURAL RES SPEC 2 | 2300550 | 24 | 44,899 | 134,697 | 0 | 0 | 163,499 | - | 163,499 |
| 293 | X3775 - SUPV FISH/WL BIOLGST | 2300591 | 24 | 42,780 | 128,342 | 0 | 0 | 156,313 | 10,718 | 167,031 |
| 294 | X3775 - SUPV FISH/WL BIOLGST | 2300593 | 24 | 52,440 | 157,322 | 0 | 0 | 161,307 | 33,907 | 195,214 |
| 295 | X3775 - SUPV FISH/WL BIOLGST | 2300595 | 24 | 52,440 | 157,322 | 0 | 0 | 191,688 | - | 191,688 |
| 296 | C8503 - NATURAL RES SPEC 3 | 2300601 | 24 | 0 | 202,536 | 0 | 0 | 186,272 | - | 186,272 |
| 297 | C8502 - NATURAL RES SPEC 2 | 2300764 | 24 | 0 | 44,899 | 134,697 | 0 | 39,817 | 119,450 | 159,267 |
| 298 | C8502 - NATURAL RES SPEC 2 | 2300774 | 24 | 37,094 | 111,282 | 0 | 0 | 131,321 | - | 131,321 |
| 299 | C8503 - NATURAL RES SPEC 3 | 2300789 | 24 | 0 | 0 | 202,536 | 0 | - | 185,954 | 185,954 |
| 300 | C8502 - NATURAL RES SPEC 2 | 2300847 | 24 | 0 | 153,910 | 0 | 0 | 89,667 | 56,348 | 146,015 |
| 301 | C8502 - NATURAL RES SPEC 2 | 2400152 | 24 | 44,899 | 134,697 | 0 | 0 | 159,708 | 5,133 | 164,841 |
| 302 | C8502 - NATURAL RES SPEC 2 | 2400571 | 24 | 37,094 | 111,282 | 0 | 0 | 120,881 | - | 120,881 |
| 303 | C8503 - NATURAL RES SPEC 3 | 2400598 | 24 | 50,634 | 151,902 | 0 | 0 | 187,633 | - | 187,633 |

**Table 1. ODFW Position Information - 2015-17 Legislatively Adopted Position Information**

| Count | Class Title | Position [1] Number | Mos | 2015-17 Biennium Budgeted Amount GF$ | OF$ | FF$ | LF$ | 2015-17 Biennium Actuals through 2/28/17 State | Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| 304 | X3775 - SUPV FISH/WL BIOLGST | 2400601 | 24 | 0 | 0 | 209,762 | 0 | - | 178,797 | 178,797 |
| 305 | C8503 - NATURAL RES SPEC 3 | 2400602 | 24 | 0 | 0 | 202,536 | 0 | - | - | - |
| 306 | C8502 - NATURAL RES SPEC 2 | 2400604 | 24 | 0 | 0 | 153,910 | 0 | - | 151,659 | 151,659 |
| 307 | C8502 - NATURAL RES SPEC 2 | 2400605 | 24 | 0 | 0 | 165,997 | 0 | - | 133,742 | 133,742 |
| 308 | C8503 - NATURAL RES SPEC 3 | 2400607 | 24 | 50,634 | 151,902 | 0 | 0 | 169,802 | 13,976 | 183,778 |
| 309 | C8503 - NATURAL RES SPEC 3 | 2400609 | 24 | 46,746 | 140,237 | 0 | 0 | 168,432 | - | 168,432 |
| 310 | C8502 - NATURAL RES SPEC 2 | 2400725 | 24 | 0 | 0 | 153,910 | 0 | 6,988 | 134,977 | 141,965 |
| 311 | C8502 - NATURAL RES SPEC 2 | 2400741 | 24 | 0 | 0 | 179,596 | 0 | 17,322 | 153,514 | 170,836 |
| 312 | C8502 - NATURAL RES SPEC 2 | 2400764 | 24 | 0 | 0 | 137,505 | 0 | 3,299 | 93,116 | 96,415 |
| 313 | X3775 - SUPV FISH/WL BIOLGST | 2400770 | 24 | 0 | 0 | 209,762 | 0 | - | 186,168 | 186,168 |
| 314 | C8502 - NATURAL RES SPEC 2 | 2400771 | 24 | 0 | 0 | 179,596 | 0 | - | 167,833 | 167,833 |
| 315 | C8502 - NATURAL RES SPEC 2 | 2400776 | 24 | 0 | 0 | 137,505 | 0 | - | 56,401 | 56,401 |
| 316 | C8503 - NATURAL RES SPEC 3 | 2400956 | 24 | 0 | 50,634 | 151,902 | 0 | 47,263 | 141,789 | 189,052 |
| 317 | C8501 - NATURAL RES SPEC 1 | 2401319 | 24 | 0 | 159,754 | 0 | 0 | 59,367 | 92,908 | 152,275 |
| 318 | C8501 - NATURAL RES SPEC 1 | 2401321 | 24 | 0 | 159,754 | 0 | 0 | 10,252 | 139,817 | 150,069 |
| 319 | C8501 - NATURAL RES SPEC 1 | 2401322 | 24 | 0 | 132,853 | 0 | 0 | 1,774 | 100,930 | 102,704 |
| 320 | C8502 - NATURAL RES SPEC 2 | 2500555 | 24 | 34,376 | 103,129 | 0 | 0 | 122,133 | 5,656 | 127,789 |
| 321 | X3775 - SUPV FISH/WL BIOLGST | 2500605 | 24 | 46,404 | 139,213 | 0 | 0 | 153,352 | - | 153,352 |
| 322 | C8502 - NATURAL RES SPEC 2 | 2500958 | 24 | 0 | 0 | 179,596 | 0 | - | 166,342 | 166,342 |
| 323 | C8502 - NATURAL RES SPEC 2 | 2610027 | 18 | 0 | 56,435 | 68,063 | 0 | 135,947 | 28,821 | 164,768 |
| 323 | C8502 - NATURAL RES SPEC 2 | 2610027 | 6 | 0 | 41,502 | 0 | 0 | | | - |
| 324 | C8501 - NATURAL RES SPEC 1 | 2610028 | 8 | 0 | 0 | 53,248 | 0 | 17,409 | 124,510 | 141,919 |
| 324 | C8501 - NATURAL RES SPEC 1 | 2610028 | 16 | 0 | 13,303 | 93,200 | 0 | | | - |
| 325 | C8501 - NATURAL RES SPEC 1 | 2610060 | 16 | 0 | 0 | 82,423 | 0 | - | 44,809 | 44,809 |
| 326 | X3775 - SUPV FISH/WL BIOLGST | 2610132 | 5 | 0 | 10,926 | 32,774 | 0 | 121,166 | 7,073 | 128,239 |
| 326 | X3775 - SUPV FISH/WL BIOLGST | 2610132 | 19 | 0 | 166,062 | 0 | 0 | | | - |
| 327 | C8503 - NATURAL RES SPEC 3 | 2610133 | 18 | 0 | 0 | 115,433 | 0 | - | - | - |
| 327 | C8503 - NATURAL RES SPEC 3 | 2610133 | 6 | 0 | 0 | 38,480 | 0 | | | - |
| 328 | C8502 - NATURAL RES SPEC 2 | 2610314 | 24 | 0 | 165,997 | 0 | 0 | 148,906 | 7,764 | 156,670 |
| 329 | C8503 - NATURAL RES SPEC 3 | 2610578 | 24 | 0 | 64,717 | 107,862 | 0 | 51,601 | 100,642 | 152,243 |
| 330 | C8502 - NATURAL RES SPEC 2 | 2610579 | 24 | 0 | 179,596 | 0 | 0 | 132,300 | 32,778 | 165,078 |
| 331 | C8502 - NATURAL RES SPEC 2 | 2610580 | 24 | 0 | 179,596 | 0 | 0 | 168,281 | - | 168,281 |
| 332 | C8502 - NATURAL RES SPEC 2 | 2610581 | 24 | 0 | 142,659 | 0 | 0 | 105,339 | 26,317 | 131,656 |
| 333 | C8502 - NATURAL RES SPEC 2 | 2610586 | 24 | 0 | 145,922 | 33,674 | 0 | 136,431 | 21,742 | 158,173 |
| 334 | X3775 - SUPV FISH/WL BIOLGST | 2610587 | 24 | 0 | 209,762 | 0 | 0 | 178,457 | 7,659 | 186,116 |
| 335 | X3775 - SUPV FISH/WL BIOLGST | 2610628 | 8 | 0 | 69,921 | 0 | 0 | 191,341 | 4,883 | 196,224 |
| 335 | X3775 - SUPV FISH/WL BIOLGST | 2610628 | 16 | 0 | 139,842 | 0 | 0 | | | - |
| 336 | C8503 - NATURAL RES SPEC 3 | 2610629 | 24 | 0 | 135,031 | 67,505 | 0 | 154,848 | 17,216 | 172,064 |
| 337 | C8503 - NATURAL RES SPEC 3 | 2610637 | 24 | 0 | 194,439 | 0 | 0 | 141,483 | 28,474 | 169,957 |
| 338 | C8502 - NATURAL RES SPEC 2 | 2610734 | 24 | 0 | 145,922 | 33,674 | 0 | 144,552 | 12,264 | 156,816 |
| 339 | C8502 - NATURAL RES SPEC 2 | 2610779 | 24 | 0 | 22,450 | 157,146 | 0 | 18,449 | 55,345 | 73,794 |
| 340 | X8504 - NATURAL RES SPEC 4 | 2610820 | 24 | 0 | 23,484 | 177,919 | 0 | 39,518 | 157,198 | 196,716 |
| 341 | C8502 - NATURAL RES SPEC 2 | 2610842 | 24 | 0 | 115,086 | 64,510 | 0 | 95,953 | 57,571 | 153,524 |
| 342 | C8502 - NATURAL RES SPEC 2 | 2610843 | 24 | 0 | 172,107 | 7,489 | 0 | 162,369 | - | 162,369 |
| 343 | C8502 - NATURAL RES SPEC 2 | 2610968 | 24 | 0 | 179,596 | 0 | 0 | 158,224 | - | 158,224 |
| 344 | X3775 - SUPV FISH/WL BIOLGST | 2610995 | 24 | 0 | 209,762 | 0 | 0 | 100,888 | 94,273 | 195,161 |
| 345 | C8502 - NATURAL RES SPEC 2 | 2610997 | 24 | 0 | 179,596 | 0 | 0 | 169,288 | - | 169,288 |

**Table 1. ODFW Position Information - 2015-17 Legislatively Adopted Position Information**

| Count | Class Title | Position [1] Number | Mos | 2015-17 Biennium Budgeted Amount GF$ | OF$ | FF$ | LF$ | 2015-17 Biennium Actuals through 2/28/17 State | Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| 346 | C8503 - NATURAL RES SPEC 3 | 2610998 | 24 | 0 | 165,997 | 0 | 0 | 89,651 | 47,750 | 137,401 |
| 347 | C8502 - NATURAL RES SPEC 2 | 2700122 | 24 | 0 | 0 | 0 | 165,997 | 117,434 | 33,683 | 151,117 |
| 348 | C8502 - NATURAL RES SPEC 2 | 2700554 | 24 | 35,665 | 106,994 | 0 | 0 | 135,869 | 3,527 | 139,396 |
| 349 | C8504 - NATURAL RES SPEC 4 | 2700558 | 24 | 0 | 172,579 | 0 | 0 | - | - | - |
| 350 | C8503 - NATURAL RES SPEC 3 | 2700559 | 24 | 0 | 153,910 | 0 | 0 | - | - | - |
| 351 | X3775 - SUPV FISH/WL BIOLGST | 2700599 | 24 | 52,440 | 157,322 | 0 | 0 | 144,585 | - | 144,585 |
| 352 | X3775 - SUPV FISH/WL BIOLGST | 2700617 | 24 | 52,440 | 157,322 | 0 | 0 | 185,986 | - | 185,986 |
| 353 | C8502 - NATURAL RES SPEC 2 | 2700757 | 24 | 0 | 44,899 | 134,697 | 0 | 41,554 | 124,662 | 166,216 |
| 354 | C8502 - NATURAL RES SPEC 2 | 2700833 | 24 | 44,899 | 134,697 | 0 | 0 | 118,573 | 762 | 119,335 |
| 355 | C8502 - NATURAL RES SPEC 2 | 2700834 | 24 | 0 | 44,899 | 134,697 | 0 | 42,092 | 126,277 | 168,369 |
| 356 | C8501 - NATURAL RES SPEC 1 | 2820005 | 24 | 0 | 0 | 153,910 | 0 | - | 144,825 | 144,825 |
| 357 | C8504 - NATURAL RES SPEC 4 | 2820018 | 24 | 0 | 0 | 0 | 228,864 | 202,452 | - | 202,452 |
| 358 | C8502 - NATURAL RES SPEC 2 | 2820020 | 24 | 0 | 43,145 | 129,434 | 0 | 34,954 | 129,335 | 164,289 |
| 359 | C8502 - NATURAL RES SPEC 2 | 2820097 | 24 | 0 | 0 | 179,596 | 0 | - | 166,497 | 166,497 |
| 360 | C8501 - NATURAL RES SPEC 1 | 2820167 | 24 | 137,505 | 0 | 0 | 0 | 113,727 | 5,272 | 118,999 |
| 361 | C8502 - NATURAL RES SPEC 2 | 2820205 | 18 | 0 | 0 | 134,697 | 0 | - | 166,498 | 166,498 |
| 361 | C8502 - NATURAL RES SPEC 2 | 2820205 | 6 | 0 | 22,450 | 22,449 | 0 | | | - |
| 362 | X3775 - SUPV FISH/WL BIOLGST | 2820269 | 24 | 52,440 | 157,322 | 0 | 0 | 195,925 | - | 195,925 |
| 363 | C8501 - NATURAL RES SPEC 1 | 2820272 | 24 | 132,853 | 0 | 0 | 0 | 104,210 | 17,210 | 121,420 |
| 364 | C8502 - NATURAL RES SPEC 2 | 2820308 | 24 | 0 | 0 | 179,596 | 0 | - | 166,503 | 166,503 |
| 365 | C8503 - NATURAL RES SPEC 3 | 2820538 | 24 | 0 | 0 | 0 | 202,536 | 184,931 | 1,918 | 186,849 |
| 366 | C8502 - NATURAL RES SPEC 2 | 2820551 | 24 | 0 | 0 | 153,910 | 0 | - | 136,925 | 136,925 |
| 367 | C8502 - NATURAL RES SPEC 2 | 2820562 | 24 | 0 | 0 | 179,596 | 0 | 2,850 | 136,981 | 139,831 |
| 368 | C8502 - NATURAL RES SPEC 2 | 2820575 | 24 | 0 | 0 | 153,910 | 0 | - | 152,655 | 152,655 |
| 369 | X3775 - SUPV FISH/WL BIOLGST | 2820615 | 24 | 185,617 | 0 | 0 | 0 | 140,370 | 29,561 | 169,931 |
| 370 | X3775 - SUPV FISH/WL BIOLGST | 2820621 | 24 | 0 | 0 | 178,145 | 0 | - | 174,437 | 174,437 |
| 371 | C8502 - NATURAL RES SPEC 2 | 2820736 | 24 | 0 | 0 | 179,596 | 0 | - | 165,280 | 165,280 |
| 372 | C8501 - NATURAL RES SPEC 1 | 2820742 | 24 | 0 | 0 | 159,754 | 0 | - | 145,410 | 145,410 |
| 373 | C8503 - NATURAL RES SPEC 3 | 2820747 | 24 | 0 | 0 | 186,983 | 0 | - | 178,645 | 178,645 |
| 374 | C8502 - NATURAL RES SPEC 2 | 2820749 | 24 | 0 | 0 | 153,910 | 0 | - | 21,791 | 21,791 |
| 375 | C8502 - NATURAL RES SPEC 2 | 2820751 | 24 | 159,754 | 0 | 0 | 0 | 132,298 | 15,869 | 148,167 |
| 376 | C8503 - NATURAL RES SPEC 3 | 2820752 | 24 | 38,949 | 148,034 | 0 | 0 | 174,577 | - | 174,577 |
| 377 | C8503 - NATURAL RES SPEC 3 | 2820756 | 24 | 0 | 39,939 | 119,815 | 0 | 29,334 | 125,273 | 154,607 |
| 378 | C8502 - NATURAL RES SPEC 2 | 2820766 | 24 | 0 | 0 | 179,596 | 0 | - | 166,391 | 166,391 |
| 379 | X3775 - SUPV FISH/WL BIOLGST | 2820769 | 24 | 52,440 | 157,322 | 0 | 0 | 101,965 | 28,692 | 130,657 |
| 380 | C8504 - NATURAL RES SPEC 4 | 2820794 | 24 | 0 | 179,596 | 0 | 0 | 57,596 | 79,585 | 137,181 |
| 381 | X3775 - SUPV FISH/WL BIOLGST | 2820808 | 24 | 0 | 0 | 164,491 | 0 | - | 106,002 | 106,002 |
| 382 | C8503 - NATURAL RES SPEC 3 | 2820839 | 24 | 0 | 0 | 0 | 172,579 | 60,226 | - | 60,226 |
| 383 | C8501 - NATURAL RES SPEC 1 | 2820858 | 24 | 0 | 0 | 137,505 | 0 | 8,103 | 120,046 | 128,149 |
| 384 | C8503 - NATURAL RES SPEC 3 | 2820959 | 24 | 0 | 0 | 172,579 | 0 | - | 153,724 | 153,724 |
| 385 | X8504 - NATURAL RES SPEC 4 | 2820960 | 24 | 0 | 0 | 237,971 | 0 | 28,429 | 185,078 | 213,507 |
| 386 | X3775 - SUPV FISH/WL BIOLGST | 2820963 | 24 | 0 | 0 | 209,762 | 0 | - | 195,966 | 195,966 |
| 387 | C8502 - NATURAL RES SPEC 2 | 2820964 | 24 | 0 | 0 | 142,659 | 0 | - | 122,597 | 122,597 |
| 388 | C8504 - NATURAL RES SPEC 4 | 2820974 | 24 | 0 | 74,366 | 163,605 | 0 | - | - | - |
| 389 | X3775 - SUPV FISH/WL BIOLGST | 2820975 | 24 | 0 | 71,338 | 130,065 | 0 | 32,621 | 83,897 | 116,518 |
| 390 | X8504 - NATURAL RES SPEC 4 | 2820977 | 18 | 0 | 0 | 178,466 | 0 | 89,075 | 132,751 | 221,826 |
| 390 | X8504 - NATURAL RES SPEC 4 | 2820977 | 6 | 0 | 19,830 | 39,663 | 0 | | | - |

**Table 1. ODFW Position Information - 2015-17 Legislatively Adopted Position Information**

| Count | Class Title | Position [1] Number | Mos | 2015-17 Biennium Budgeted Amount GF$ | OF$ | FF$ | LF$ | 2015-17 Biennium Actuals through 2/28/17 State | Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| 391 | X3775 - SUPV FISH/WL BIOLGST | 2820978 | 24 | 0 | 0 | 209,762 | 0 | - | 190,108 | 190,108 |
| 392 | C8504 - NATURAL RES SPEC 4 | 3000004 | 24 | 48,609 | 0 | 145,830 | 0 | 44,463 | 133,388 | 177,851 |
| 393 | C8504 - NATURAL RES SPEC 4 | 3000007 | 24 | 0 | 228,864 | 0 | 0 | 72,822 | 129,643 | 202,465 |
| 394 | C8503 - NATURAL RES SPEC 3 | 3000015 | 24 | 0 | 202,536 | 0 | 0 | 165,990 | 9,039 | 175,029 |
| 395 | C8504 - NATURAL RES SPEC 4 | 3000017 | 24 | 121,595 | 0 | 107,269 | 0 | 39,356 | 121,721 | 161,077 |
| 396 | C8503 - NATURAL RES SPEC 3 | 3000021 | 24 | 50,634 | 151,902 | 0 | 0 | 187,984 | - | 187,984 |
| 397 | C8504 - NATURAL RES SPEC 4 | 3000041 | 24 | 57,216 | 0 | 171,648 | 0 | 50,752 | 152,257 | 203,009 |
| 398 | C8504 - NATURAL RES SPEC 4 | 3000051 | 24 | 0 | 228,864 | 0 | 0 | 211,689 | - | 211,689 |
| 399 | C8504 - NATURAL RES SPEC 4 | 3000060 | 24 | 202,536 | 0 | 0 | 0 | 175,043 | - | 175,043 |
| 400 | C8504 - NATURAL RES SPEC 4 | 3000061 | 24 | 228,864 | 0 | 0 | 0 | 199,207 | - | 199,207 |
| 401 | C8501 - NATURAL RES SPEC 1 | 3000064 | 24 | 0 | 0 | 137,505 | 0 | 1,819 | 115,112 | 116,931 |
| 402 | C8503 - NATURAL RES SPEC 3 | 3000088 | 24 | 0 | 50,634 | 151,902 | 0 | 45,782 | 137,346 | 183,128 |
| 403 | C8503 - NATURAL RES SPEC 3 | 3200077 | 24 | 50,634 | 151,902 | 0 | 0 | 189,122 | - | 189,122 |
| | TOTALS | | | 10,236,310 | 29,245,089 | 26,262,319 | 3,164,441 | 25,466,428 | 30,100,445 | 55,566,873 |

1) Yellow highlighted cells are budgeted in two different section. Orange highlighted cells are budget in three different sections.

# Table 2. ODFW Projects Worked by Biologists - AY 2015-17 through 2/28/2017

| Project | Fish Division Division Total | Wildlife Division Division Total | Administration Division Total | 088-01 Cap. Impr | 089-89 Cap. Const. | Grand Total | Percent of Total | 2015-17 Biennium Actuals through 2/28/17 State | 2015-17 Biennium Actuals through 2/28/17 Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| 15 MILE CREEK HABITAT IMPROVEMENT | 212,680 | - | - | - | - | 212,680 | 0.38% | - | 212,680 | 212,680 |
| 2016 BORAX LAKE CHUB MONITORING | 2,254 | - | - | - | - | 2,254 | 0.00% | - | 2,254 | 2,254 |
| 2016 PACFIN OCEAN SAMPLING IN OREGON | 148,877 | - | - | - | - | 148,877 | 0.27% | - | 148,877 | 148,877 |
| ACCESS & HABITAT BOARD | - | 99,761 | - | - | - | 99,761 | 0.18% | 99,761 | - | 99,761 |
| ADMINISTRATION LIAISON NPFMC | 47,750 | - | - | - | - | 47,750 | 0.09% | - | 47,750 | 47,750 |
| ANGLER CREEL/FISH POP SURVEY SUPP FY17 | 106,113 | - | - | - | - | 106,113 | 0.19% | 26,528 | 79,585 | 106,113 |
| AP EXP GRANDE RONDE SPRING CHINOOK | 44,736 | - | - | - | - | 44,736 | 0.08% | - | 44,736 | 44,736 |
| AQUATIC HABITAT SURVEYS IN WILLOW BASIN | 6,761 | - | - | - | - | 6,761 | 0.01% | 1,730 | 5,031 | 6,761 |
| AQUATIC INVASIVE SPECIES PERMIT & PREVEN | - | 97,701 | - | - | - | 97,701 | 0.18% | 97,701 | - | 97,701 |
| AVIAN PREDATION | 22,352 | - | - | - | - | 22,352 | 0.04% | 22,352 | - | 22,352 |
| AVIAN PREDATION MARINE GF | 7,324 | - | - | - | - | 7,324 | 0.01% | 7,324 | - | 7,324 |
| BLACK TAILED DEER WESTERN OREGON 2016-17 | - | 271,260 | - | - | - | 271,260 | 0.49% | 67,816 | 203,444 | 271,260 |
| BLM STATEWIDE NATIVE FISH INVESTIGATIONS | 23,224 | - | - | - | - | 23,224 | 0.04% | - | 23,224 | 23,224 |
| BOARDMAN/HEMMINGWAY 500KV TRANS LINE | - | 115,036 | - | - | - | 115,036 | 0.21% | - | 115,036 | 115,036 |
| BONNEVILLE HATCH RINGOLD FISH HAUL FY16 | 8,265 | - | - | - | - | 8,265 | 0.01% | - | 8,265 | 8,265 |
| BONNEVILLE HATCHERY EVALUATION FY16 | 140,830 | - | - | - | - | 140,830 | 0.25% | - | 140,830 | 140,830 |
| BONNEVILLE HATCHERY FISH ID/MAK&REC FY16 | 54,329 | - | - | - | - | 54,329 | 0.10% | - | 54,329 | 54,329 |
| BONNEVILLE HATCHERY O&M FY16 | 95,550 | - | - | - | - | 95,550 | 0.17% | - | 95,550 | 95,550 |
| BONNEVILLE POWER ADMIN MITIGATION FF | - | 379 | - | - | - | 379 | 0.00% | - | 379 | 379 |
| BULL TROUT RECOVERY PLAN ASSISTANCE | 6,749 | - | - | - | - | 6,749 | 0.01% | - | 6,749 | 6,749 |
| C.I. PROG & ROAD MAINTENANCE PROGRAMS | 85,628 | - | - | - | - | 85,628 | 0.15% | - | 85,628 | 85,628 |
| CAPITAL- TULE SELECT FISHERY | 19,827 | - | - | - | - | 19,827 | 0.04% | - | 19,827 | 19,827 |
| CAPTIVE BROODSTOCK M&E | 83,901 | - | - | - | - | 83,901 | 0.15% | - | 83,901 | 83,901 |
| CARNIVORE INTERACTIONS STUDIES 2016-2017 | - | 79,928 | - | - | - | 79,928 | 0.14% | 14,387 | 65,541 | 79,928 |
| CLACKAMAS BULL TROUT RECOVERY GRANT | 30,647 | - | - | - | - | 30,647 | 0.06% | - | 30,647 | 30,647 |
| CLACKAMAS FISH STOCK ID 2016-17 | 14,756 | - | - | - | - | 14,756 | 0.03% | - | 14,756 | 14,756 |
| COASTAL ADULT SURVEYS | 313,988 | - | - | - | - | 313,988 | 0.57% | 306,523 | 7,465 | 313,988 |
| COASTAL HABITAT SURVEYS | 256,293 | - | - | - | - | 256,293 | 0.46% | 256,293 | - | 256,293 |
| COASTAL LIFE CYCLE | 612,219 | - | - | - | - | 612,219 | 1.10% | 612,219 | - | 612,219 |
| COASTAL MAINSTEM CHINOOK | 127,084 | - | - | - | - | 127,084 | 0.23% | 127,084 | - | 127,084 |
| COASTAL SALMONID MONITORING PROG FY2017 | 448,052 | - | - | - | - | 448,052 | 0.81% | 112,013 | 336,039 | 448,052 |
| COASTAL SALMONID MONITORING PROGRAM | 44,230 | - | - | - | - | 44,230 | 0.08% | 11,058 | 33,172 | 44,230 |
| COASTAL/SONCC HABITAT AND JUVENILE SURV | 118,933 | - | - | - | - | 118,933 | 0.21% | - | 118,933 | 118,933 |
| CODED WIRE TAGS- IJ | 331,309 | - | - | - | - | 331,309 | 0.60% | - | 331,309 | 331,309 |
| COHO TAGGING | 75,657 | - | - | - | - | 75,657 | 0.14% | 75,657 | - | 75,657 |
| COID MITIGATION AND ENHANCEMENT FY17 | 66,419 | - | - | - | - | 66,419 | 0.12% | - | 66,419 | 66,419 |
| COLE RIVERS HATCHERY O&M 2016-17 | 32,842 | - | - | - | - | 32,842 | 0.06% | 3,388 | 29,454 | 32,842 |
| COLONY STAT W POP DOUBLE CREST CORMORANT | 1,671 | - | - | - | - | 1,671 | 0.00% | - | 1,671 | 1,671 |
| COLONY STATUS WEST POPULATION DC CORMORA | 2,218 | - | - | - | - | 2,218 | 0.00% | - | 2,218 | 2,218 |
| COLUMBIA RIVER INVESTIGATIONS FF | - | - | - | - | - | - | 0.00% | - | - | - |
| COLUMBIA RIVER MGMT OF LICENSE | 7,350 | - | - | - | - | 7,350 | 0.01% | 7,350 | - | 7,350 |
| COLUMBIA RIVER SALMONID COORDINATED ASSE | 9,140 | - | - | - | - | 9,140 | 0.02% | - | 9,140 | 9,140 |
| COMMERCIAL FISH FUND MARINE ADMIN | 2,534,454 | - | - | - | - | 2,534,454 | 4.56% | 2,530,340 | 4,114 | 2,534,454 |
| COMMERCIAL FISH FUND MARINE DEVO FISH | 9,638 | - | - | - | - | 9,638 | 0.02% | 9,638 | - | 9,638 |
| CONSERV STRATEGY IMPLEMENT 2013-15 | - | 1,037,501 | - | - | - | 1,037,501 | 1.87% | 363,125 | 674,376 | 1,037,501 |
| CONSERVATION PLANNING LF | - | 103,831 | - | - | - | 103,831 | 0.19% | 103,831 | - | 103,831 |
| COOS BAY WEST FORK SMITH RIVER LIFECYCLE | 4,529 | - | - | - | - | 4,529 | 0.01% | - | 4,529 | 4,529 |
| CORVALLIS ADMINISTRATION - GF | 8,120 | - | - | - | - | 8,120 | 0.01% | 8,120 | - | 8,120 |
| CORVALLIS RESEARCH FF | 8,080 | - | - | - | - | 8,080 | 0.01% | - | 8,080 | 8,080 |
| CORVALLIS RESEARCH LF | 109,955 | - | - | - | - | 109,955 | 0.20% | 109,955 | - | 109,955 |
| CORVALLIS RESEARCH OF NON-LIC | 6,087 | - | - | - | - | 6,087 | 0.01% | - | 6,087 | 6,087 |
| CSS OVERSIGHT COMMITTEE INDEP CONT AGREE | 52,084 | - | - | - | - | 52,084 | 0.09% | - | 52,084 | 52,084 |
| CSS-PIT TAG WILD CHINOOK-L GRANDE RONDE | 1,859 | - | - | - | - | 1,859 | 0.00% | - | 1,859 | 1,859 |
| DATA STANDARDS IN NORTH AND MID-OREGON | 51,893 | - | - | - | - | 51,893 | 0.09% | - | 51,893 | 51,893 |
| DEMOGRAPHIC CHARACTERISTICS & THE SPATIO | 38,123 | - | - | - | - | 38,123 | 0.07% | 9,531 | 28,592 | 38,123 |
| DENMAN WILDLIFE AREA 2016-17 | - | 8,144 | - | - | - | 8,144 | 0.01% | 2,036 | 6,108 | 8,144 |
| DESCHUTES HATCHERY STRAY STUDY 2016 | 240,584 | - | - | - | - | 240,584 | 0.43% | - | 240,584 | 240,584 |
| DIRECTORS OFFICE OF INDIRECT NL | - | - | 21,653 | - | - | 21,653 | 0.04% | - | 21,653 | 21,653 |
| DIRECTORS OFFICE OF LICENSE | - | - | 21,773 | - | - | 21,773 | 0.04% | 21,773 | - | 21,773 |
| DOUBLE CRESTED CORMORANT POP & DIET STUD | 105,735 | - | - | - | - | 105,735 | 0.19% | 21,820 | 83,915 | 105,735 |
| EAST REGION & WATERSHED ADMINISTRATION | 8,329 | - | - | - | - | 8,329 | 0.01% | 8,329 | - | 8,329 |
| EFSC CONSULTING SERVICES #15-049 | - | 22,327 | - | - | - | 22,327 | 0.04% | - | 22,327 | 22,327 |
| EFSF TRASK DAM | - | - | - | - | 1,668 | 1,668 | 0.00% | - | 1,668 | 1,668 |
| ELK NUTRITION PREDATION STUDIES | - | 68,046 | - | - | - | 68,046 | 0.12% | 15,314 | 52,732 | 68,046 |
| ELK RIVER CWT TAGGING, RECOVERY& ESCAPE | 86,883 | - | - | - | - | 86,883 | 0.16% | - | 86,883 | 86,883 |
| ENERGY PRIORITY SPECIES BASELINE DATA CO | - | 2,968 | - | - | - | 2,968 | 0.01% | 1,039 | 1,929 | 2,968 |

**Table 2. ODFW Projects Worked by Biologists - AY 2015-17 through 2/28/2017**

| Project | Fish Division Division Total | Wildlife Division Division Total | Administration Division Total | 088-01 Cap. Impr | 089-89 Cap. Const. | Grand Total | Percent of Total | 2015-17 Biennium Actuals through 2/28/17 State | 2015-17 Biennium Actuals through 2/28/17 Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| ENGINEERING - GF | 4,733 | - | - | - | - | 4,733 | 0.01% | 4,733 | - | 4,733 |
| ENHANCED COMMERCIAL FISHERIES MONITORING | 143,633 | - | - | - | - | 143,633 | 0.26% | 143,633 | - | 143,633 |
| ENHANCED GROUNDFISH MONITORING -3B 16-17 | 210,699 | - | - | - | - | 210,699 | 0.38% | - | 210,699 | 210,699 |
| ENHANCED REC FISHERIES MONITORING & POPU | 53,421 | - | - | - | - | 53,421 | 0.10% | 53,421 | - | 53,421 |
| ESA SPECIALIST POSITION SUPPORT 2015-17 | 105,270 | - | - | - | - | 105,270 | 0.19% | - | 105,270 | 105,270 |
| EVAL OF SPAWNER ESCAPEMENT ELK RIVER | 34,589 | - | - | - | - | 34,589 | 0.06% | - | 34,589 | 34,589 |
| EVAL PREDATION RISK JUV CHIN SALMON LPR | 1,538 | - | - | - | - | 1,538 | 0.00% | - | 1,538 | 1,538 |
| EXP CHAMP ODFW UGR RONDE & CATHERINE CR | 131,501 | - | - | - | - | 131,501 | 0.24% | - | 131,501 | 131,501 |
| EXP ESCAPEMENT/PRODUCT SPRING CHINOOK | 625,622 | - | - | - | - | 625,622 | 1.13% | - | 625,622 | 625,622 |
| EXP GRANDE RONDE CH ELH STUDY 2015 | 513,666 | - | - | - | - | 513,666 | 0.92% | - | 513,666 | 513,666 |
| EXP GRANDE RONDE FISH HABITAT IMPROVEMEN | 228,864 | - | - | - | - | 228,864 | 0.41% | - | 228,864 | 228,864 |
| EXP HOOD RIVER PROD-TRAP/MAINT. 2015-16 | 151,768 | - | - | - | - | 151,768 | 0.27% | - | 151,768 | 151,768 |
| EXP JOHN DAY HABITAT ENHANCEMENT | 167,833 | - | - | - | - | 167,833 | 0.30% | - | 167,833 | 167,833 |
| EXP JOHN PALENSKY O&M 2016-17 | - | 163,183 | - | - | - | 163,183 | 0.29% | - | 163,183 | 163,183 |
| EXP LADD MARSH MITIGATION | - | 94,837 | - | - | - | 94,837 | 0.17% | - | 94,837 | 94,837 |
| EXP LITTLE SHEEP CREEK SMOLT TRAP GENETI | 27,406 | - | - | - | - | 27,406 | 0.05% | - | 27,406 | 27,406 |
| EXP ODFW M&E HOOD RIVER 2016-2017 | 464,296 | - | - | - | - | 464,296 | 0.84% | - | 464,296 | 464,296 |
| EXP ODFW WWMP ADMIN AND O&M 2016-17 | 451,960 | - | - | - | - | 451,960 | 0.81% | - | 451,960 | 451,960 |
| EXP OREGON FISH SCREEN PROJECTS O&M FY17 | 223 | - | - | - | - | 223 | 0.00% | - | 223 | 223 |
| EXP OREGON REG COORDINATION | 78,428 | - | - | - | - | 78,428 | 0.14% | - | 78,428 | 78,428 |
| EXP UMATILLA ANADROMOUS FISH HABITAT | 70,377 | - | - | - | - | 70,377 | 0.13% | - | 70,377 | 70,377 |
| EXP UMATILLA JUVENILE OUTMIGRATION M&E | 426,762 | - | - | - | - | 426,762 | 0.77% | - | 426,762 | 426,762 |
| EXP WHITE STURGEON STUDIES FY16 | 323,828 | - | - | - | - | 323,828 | 0.58% | - | 323,828 | 323,828 |
| EXPANSION OF EXISTING OFF-CHANNEL FISHIN | 119,560 | - | - | - | - | 119,560 | 0.22% | 119,560 | - | 119,560 |
| FAST-MODEL MAINTENANCE | 2,054 | - | - | - | - | 2,054 | 0.00% | - | 2,054 | 2,054 |
| FIFTEEN MILE CRK ABUN,PROD,LIFE STUDY | 175,577 | - | - | - | - | 175,577 | 0.32% | - | 175,577 | 175,577 |
| FISH ADMINISTRATION - OF | 364,986 | - | - | - | - | 364,986 | 0.66% | 364,986 | - | 364,986 |
| FISH DISTRICT OPS NW GF | 7,539 | - | - | - | - | 7,539 | 0.01% | 7,539 | - | 7,539 |
| FISH DISTRICTS - GF | 4,504,529 | - | - | - | - | 4,504,529 | 8.11% | 4,504,529 | - | 4,504,529 |
| FISH DIV - GF GROUNDFISH STOCK ASSESSMT | 167,751 | - | - | - | - | 167,751 | 0.30% | 167,751 | - | 167,751 |
| FISH DIVISION - GENERAL FUND | 69,365 | - | - | - | - | 69,365 | 0.12% | 69,365 | - | 69,365 |
| FISH DIVISION - OTHER FUND MARINE | 10,321 | - | - | - | - | 10,321 | 0.02% | 10,321 | - | 10,321 |
| FISH HEALTH EXAM PARKDALE FISH FACILITY | 28,344 | - | - | - | - | 28,344 | 0.05% | - | 28,344 | 28,344 |
| FISH HEALTH SERVICES | 16,151 | - | - | - | - | 16,151 | 0.03% | - | 16,151 | 16,151 |
| FISH ID MARKING O | 7,612 | - | - | - | - | 7,612 | 0.01% | - | 7,612 | 7,612 |
| FISH MANAGEMENT | 1,011,053 | - | - | - | - | 1,011,053 | 1.82% | 1,011,053 | - | 1,011,053 |
| FISH MANAGEMENT OF LICENSE | 9,374 | - | - | - | - | 9,374 | 0.02% | 9,374 | - | 9,374 |
| FISH MARKING 16-17 | 23,857 | - | - | - | - | 23,857 | 0.04% | - | 23,857 | 23,857 |
| FISH MGMT SW REGION - GF | 50,956 | - | - | - | - | 50,956 | 0.09% | 50,956 | - | 50,956 |
| FISH PASSAGE PROGRAM SUPPORT | 53,322 | - | - | - | - | 53,322 | 0.10% | 53,322 | - | 53,322 |
| FISH PASSAGE SURCHARGE- POP 302-09/11 | 120,580 | - | - | - | - | 120,580 | 0.22% | 120,580 | - | 120,580 |
| FISH PATHOLOGY/HEALTH | 78,916 | - | - | - | - | 78,916 | 0.14% | - | 78,916 | 78,916 |
| FISH PROPAGATION-FISH IDENTIFICATION | 11,431 | - | - | - | - | 11,431 | 0.02% | - | 11,431 | 11,431 |
| FISH REGIONAL/WATERSHED MANAGERS | 184,641 | - | - | - | - | 184,641 | 0.33% | 184,641 | - | 184,641 |
| FISH SCREENING - OTHER FUND SURCHARGE | 92,604 | - | - | - | - | 92,604 | 0.17% | 92,604 | - | 92,604 |
| FISH SCREENING OWEB | 569,192 | - | - | - | - | 569,192 | 1.02% | - | 569,192 | 569,192 |
| FISH SCREENS & PASSAGE GF | 77,440 | - | - | - | - | 77,440 | 0.14% | 77,440 | - | 77,440 |
| FISHERY INFORMATION SYSTEM NATIONAL ODBE | 24,859 | - | - | - | - | 24,859 | 0.04% | 5,290 | 19,569 | 24,859 |
| FOSTER DEXTER MINTO FISH LADDER DEPLOY | 72,738 | - | - | - | - | 72,738 | 0.13% | - | 72,738 | 72,738 |
| FY15 BASELINE HATCHERY MONITORING | 363,796 | - | - | - | - | 363,796 | 0.65% | - | 363,796 | 363,796 |
| FY2010 IMPLEMENT OF WOLF PLAN/OR CONSERV | - | 8 | - | - | - | 8 | 0.00% | 3 | 5 | 8 |
| FY-2016 STREAMNET LAGRANDE | 162,352 | - | - | - | - | 162,352 | 0.29% | - | 162,352 | 162,352 |
| FY-2017 STREAMNET HABITAT | 273,308 | - | - | - | - | 273,308 | 0.49% | - | 273,308 | 273,308 |
| GAME MANAGEMENT GF/OF | - | 7,007,955 | - | - | - | 7,007,955 | 12.61% | 1,751,998 | 5,255,957 | 7,007,955 |
| GAME MANAGEMENT OF LICENSE | - | 2,405 | - | - | - | 2,405 | 0.00% | 2,405 | - | 2,405 |
| GAME MANAGEMENT PROGRAM 2016-17 | - | 615,015 | - | - | - | 615,015 | 1.11% | 159,253 | 455,762 | 615,015 |
| GEN PEDIGREE ANALYSIS S SANTIAM CHINOOK | 8,363 | - | - | - | - | 8,363 | 0.02% | - | 8,363 | 8,363 |
| GRANDE RONDE EMAP COMPONENT | 232,333 | - | - | - | - | 232,333 | 0.42% | - | 232,333 | 232,333 |
| GRANDE RONDE FISH HABITAT IMP PROJECT | 125,909 | - | - | - | - | 125,909 | 0.23% | - | 125,909 | 125,909 |
| GROUNDFISH GF | 8,446 | - | - | - | - | 8,446 | 0.02% | 8,446 | - | 8,446 |
| GROUNDFISH PLAN | 91,837 | - | - | - | - | 91,837 | 0.17% | - | 91,837 | 91,837 |
| GROUNDFISH STOCK ASSESSMENT OF LICENSE | 7,159 | - | - | - | - | 7,159 | 0.01% | 7,159 | - | 7,159 |
| HABITAT GF | - | 17,099 | - | - | - | 17,099 | 0.03% | 17,099 | - | 17,099 |
| HALIBUT | 65,527 | - | - | - | - | 65,527 | 0.12% | 65,527 | - | 65,527 |
| HATCHERY RESEARCH CENTER | 34,950 | - | - | - | - | 34,950 | 0.06% | 34,950 | - | 34,950 |
| HPAI SURVEILLANCE IN WATERFOWL 2016 | - | 38,233 | - | - | - | 38,233 | 0.07% | - | 38,233 | 38,233 |

**Table 2. ODFW Projects Worked by Biologists - AY 2015-17 through 2/28/2017**

| Project | Fish Division Division Total | Wildlife Division Division Total | Administration Division Total | 088-01 Cap. Impr | 089-89 Cap. Const. | Grand Total | Percent of Total | 2015-17 Biennium Actuals through 2/28/17 State | 2015-17 Biennium Actuals through 2/28/17 Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| HRME TRAP AND TRANSPORT ABOVE DAMS | 144,863 | - | - | - | - | 144,863 | 0.26% | - | 144,863 | 144,863 |
| HUMAN RESOURCES OF OBLIG SAFETY | - | - | 6,988 | - | - | 6,988 | 0.01% | 6,988 | - | 6,988 |
| HYDRO OF DED NON-LIC | 9,274 | - | - | - | - | 9,274 | 0.02% | 9,274 | - | 9,274 |
| HYDRO WATERSHED | 165,973 | - | - | - | - | 165,973 | 0.30% | 165,973 | - | 165,973 |
| ID OVERWINTERING UGR JUV SPING CHINOOK | 35,334 | - | - | - | - | 35,334 | 0.06% | - | 35,334 | 35,334 |
| IDAHO POWER EGGS LYONS FERRY-IRRIGON | 18,887 | - | - | - | - | 18,887 | 0.03% | - | 18,887 | 18,887 |
| IJ COLUMBIA RIVER MGMNT OF LIC | 358,984 | - | - | - | - | 358,984 | 0.65% | 351,634 | 7,350 | 358,984 |
| IJFA GROUNDFISH FY16 | 79,744 | - | - | - | - | 79,744 | 0.14% | 7,974 | 71,770 | 79,744 |
| IJFA SHRIMP FY16 | 81,004 | - | - | - | - | 81,004 | 0.15% | 20,252 | 60,752 | 81,004 |
| IMPLEMENT EMAP IN THE JOHN DAY SUBBASIN | 182,050 | - | - | - | - | 182,050 | 0.33% | - | 182,050 | 182,050 |
| INVESTIGATION-OR OCEAN FISHERIES 2016-17 | 210,199 | - | - | - | - | 210,199 | 0.38% | 52,550 | 157,649 | 210,199 |
| JOHN DAY CHINOOK ESCAPE | 92,067 | - | - | - | - | 92,067 | 0.17% | 92,067 | - | 92,067 |
| JUV SALMONID OUTMIGRATION MONITOR WILL V | 377,305 | - | - | - | - | 377,305 | 0.68% | - | 377,305 | 377,305 |
| JUV SALMONID PIT INTERROGATION SYSTEM | 54,893 | - | - | - | - | 54,893 | 0.10% | - | 54,893 | 54,893 |
| KIT FOX SE OREGON 2015-2016 | - | 12,078 | - | - | - | 12,078 | 0.02% | 3,020 | 9,058 | 12,078 |
| LADD MARSH WMA 2015-16 | - | 38,559 | - | - | - | 38,559 | 0.07% | 9,641 | 28,918 | 38,559 |
| LAGRANDE RESEARCH FF | 11,637 | - | - | - | - | 11,637 | 0.02% | - | 11,637 | 11,637 |
| LAND RESOURCES ADMINISTRATION 100% GF | - | 28,820 | - | - | - | 28,820 | 0.05% | 28,820 | - | 28,820 |
| LCR ADULT SURVEYS | 307,139 | - | - | - | - | 307,139 | 0.55% | - | 307,139 | 307,139 |
| LCR CHUM REINTRODUCTION | 233,297 | - | - | - | - | 233,297 | 0.42% | - | 233,297 | 233,297 |
| LCR HABITAT AND JUVENILE SURVEYS | 204,432 | - | - | - | - | 204,432 | 0.37% | - | 204,432 | 204,432 |
| LCR HABITAT AND JUVENILE SURVEYS - GF | 24,621 | - | - | - | - | 24,621 | 0.04% | 24,621 | - | 24,621 |
| LCR HARVEST MANAGEMENT | 464,135 | - | - | - | - | 464,135 | 0.84% | - | 464,135 | 464,135 |
| LEABURG HATCHERY O&M FY17 | 77,932 | - | - | - | - | 77,932 | 0.14% | - | 77,932 | 77,932 |
| LSRCP OREGON EVALUATION STUDIES FY17 | 629,809 | - | - | - | - | 629,809 | 1.13% | - | 629,809 | 629,809 |
| MARINE - GENERAL FUND | 760,907 | - | - | - | - | 760,907 | 1.37% | 759,171 | 1,736 | 760,907 |
| MARINE MAMMALS PROGRAM | 54,034 | - | - | - | - | 54,034 | 0.10% | 54,034 | - | 54,034 |
| MARINE WAVE ENERGY (POP 150) | 128,730 | - | - | - | - | 128,730 | 0.23% | 128,730 | - | 128,730 |
| MARION FORKS HATCHERY O&M | 29,168 | - | - | - | - | 29,168 | 0.05% | - | 29,168 | 29,168 |
| MATCH FOR 740012-17 WEST FORK SMITH RIV | 75,908 | - | - | - | - | 75,908 | 0.14% | 75,908 | - | 75,908 |
| MATCH FOR 744013-07 (53501-12045) | 9,200 | - | - | - | - | 9,200 | 0.02% | 9,200 | - | 9,200 |
| MATCH FOR 744013-07 (729071-00) | 5,890 | - | - | - | - | 5,890 | 0.01% | 5,890 | - | 5,890 |
| MATCH FOR 758133-01 CFFF-NC STRAT IMP | 8,247 | - | - | - | - | 8,247 | 0.01% | 8,247 | - | 8,247 |
| MATCH FOR 758133-01 RS-NC STRAT IMP | 17,383 | - | - | - | - | 17,383 | 0.03% | 17,383 | - | 17,383 |
| MEADOW CREEK FISH AND HABITAT MONITORING | 22,943 | - | - | - | - | 22,943 | 0.04% | - | 22,943 | 22,943 |
| MIDDLE DESCHUTES RVR FISHERIES MONITOR | 39,003 | - | - | - | - | 39,003 | 0.07% | - | 39,003 | 39,003 |
| MINAM RIVER HABITAT MONITORING | 20,677 | - | - | - | - | 20,677 | 0.04% | - | 20,677 | 20,677 |
| MINTO FACILITY O&M BUDGET FY17 | 46,140 | - | - | - | - | 46,140 | 0.08% | - | 46,140 | 46,140 |
| MITCHELL ACT FISH ID | 38,185 | - | - | - | - | 38,185 | 0.07% | - | 38,185 | 38,185 |
| MONITORING ANALYTICS AND DEVELOPMENT | 14,579 | - | - | - | - | 14,579 | 0.03% | 14,579 | - | 14,579 |
| MONITORING BULL TROUT WILLAMETTE VALLEY | 315,184 | - | - | - | - | 315,184 | 0.57% | - | 315,184 | 315,184 |
| MONITORING OR CHUB WV PROJECT DAMS | 141,879 | - | - | - | - | 141,879 | 0.26% | - | 141,879 | 141,879 |
| MULE DEER ECOLOGY IN S CENTRAL OREGON | - | 28,073 | - | - | - | 28,073 | 0.05% | 7,019 | 21,054 | 28,073 |
| MULE DEER HERD RANGE PHASE II 2015-16 | - | 53,388 | - | - | - | 53,388 | 0.10% | 13,348 | 40,040 | 53,388 |
| MULE DEER POPULATION DYNAMICS 2016-2017 | - | 31,209 | - | - | - | 31,209 | 0.06% | 7,803 | 23,406 | 31,209 |
| MULTNOMAH CHANNEL RESTORATION MONITORIN | 15,785 | - | - | - | - | 15,785 | 0.03% | - | 15,785 | 15,785 |
| N UMPQUA MONITORING WINCHESTER | 523 | - | - | - | - | 523 | 0.00% | - | 523 | 523 |
| NATIVE FISH CONSERVATION - C&R OPS LF | 222,636 | - | - | - | - | 222,636 | 0.40% | 222,636 | - | 222,636 |
| NATIVE FISH CONSERV-C&R OPERATIONS | 12,411 | - | - | - | - | 12,411 | 0.02% | 12,411 | - | 12,411 |
| NATIVE FISH INVESTIGATIONS SUPPORT LF | 386,975 | - | - | - | - | 386,975 | 0.70% | 386,975 | - | 386,975 |
| NATIVE FISH MONITORING AND ANALYTICS LF | 1,117,709 | - | - | - | - | 1,117,709 | 2.01% | 1,117,709 | - | 1,117,709 |
| NE FISH RESEARCH PROGRAM | 70,667 | - | - | - | - | 70,667 | 0.13% | - | 70,667 | 70,667 |
| NEW OFF-CHANNEL FISHING SITES | 42,246 | - | - | - | - | 42,246 | 0.08% | 42,246 | - | 42,246 |
| NORTHERN PIKEMINNOW MGMT PROGRAM | 490,754 | - | - | - | - | 490,754 | 0.88% | - | 490,754 | 490,754 |
| NPEXP GRANDE RONDE SPRING CHINOOK | 35,348 | - | - | - | - | 35,348 | 0.06% | - | 35,348 | 35,348 |
| NRIMP SUPPORT - GF | 23,572 | - | - | - | - | 23,572 | 0.04% | 23,572 | - | 23,572 |
| NW ESTUARY & FRESHWATER HABITAT MGMT | 129,278 | - | - | - | - | 129,278 | 0.23% | 129,278 | - | 129,278 |
| O&M FOSTER ADULT TRAPPING FACILITY FY16 | 18,314 | - | - | - | - | 18,314 | 0.03% | - | 18,314 | 18,314 |
| OAK SPRINGS HATCHERY & DISTRIBUTION 17 | 2,994 | - | - | - | - | 2,994 | 0.01% | - | 2,994 | 2,994 |
| OAK SPRINGS PATHOLOGY FY17 | 7,024 | - | - | - | - | 7,024 | 0.01% | - | 7,024 | 7,024 |
| OC COMM TROLL DOCK CHINOOK GENE SAMPLING | 3,096 | - | - | - | - | 3,096 | 0.01% | - | 3,096 | 3,096 |
| ODFW OME FY16 PROJECT MGMT | 213,804 | - | - | - | - | 213,804 | 0.38% | - | 213,804 | 213,804 |
| ODOT AQUATIC HABITAT SURVEYS-CULVERTS | 28,143 | - | - | - | - | 28,143 | 0.05% | - | 28,143 | 28,143 |
| ODOT-LIAISON | 153,712 | - | - | - | - | 153,712 | 0.28% | - | 153,712 | 153,712 |
| OF LIC COMM FISH FUND IJ ADMIN | 55,498 | - | - | - | - | 55,498 | 0.10% | 55,498 | - | 55,498 |
| OF LIC COMM FISH FUND IJ COL RVR MGMT | 368,302 | - | - | - | - | 368,302 | 0.66% | 368,302 | - | 368,302 |

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|---|---|---|---|---|---|---|---|---|---|---|
| OF LIC COMM FISH FUND NEARSHORE | 318,031 | - | - | - | - | 318,031 | 0.57% | 318,031 | - | 318,031 |
| OF LIC OBLIG BLACK/BLUE ROCKFISH | 76,061 | - | - | - | - | 76,061 | 0.14% | 76,061 | - | 76,061 |
| OHRC FACILITY OBLIGATED OF | 12,888 | - | - | - | - | 12,888 | 0.02% | - | 12,888 | 12,888 |
| OHRC GENETICS | 58,481 | - | - | - | - | 58,481 | 0.11% | 58,481 | - | 58,481 |
| OHRC RESEARCH | 13,089 | - | - | - | - | 13,089 | 0.02% | 13,089 | - | 13,089 |
| OLD HCD 100% OF HYDRO-WATER P | 966,500 | - | - | - | - | 966,500 | 1.74% | 961,766 | 4,734 | 966,500 |
| OR NEARSHORE STRAT IMPLEMENT 15-17 DEMOG | 18,902 | - | - | - | - | 18,902 | 0.03% | 6,623 | 12,279 | 18,902 |
| OR NEARSHORE STRAT IMPLEMENT 15-17 HABIT | 32,575 | - | - | - | - | 32,575 | 0.06% | 11,503 | 21,072 | 32,575 |
| OR NEARSHORE STRAT IMPLEMENT 15-17 STERO | 35,540 | - | - | - | - | 35,540 | 0.06% | 12,720 | 22,820 | 35,540 |
| OR NEARSHORE STRAT IMPLEMENT 15-17 UAV S | 7,763 | - | - | - | - | 7,763 | 0.01% | 2,741 | 5,022 | 7,763 |
| OR NON-SALMONID REC FISHERY SFR 2016-17 | 346,384 | - | - | - | - | 346,384 | 0.62% | 86,597 | 259,787 | 346,384 |
| OR PLAN MONITORING - COASTAL HAB SURV LF | 241,693 | - | - | - | - | 241,693 | 0.43% | 241,693 | - | 241,693 |
| OR PLAN MONITORING - CORVALLIS ADMIN LF | 7,903 | - | - | - | - | 7,903 | 0.01% | 7,903 | - | 7,903 |
| OR UNGULATE HATBITAT USE STUDIES 2016-17 | - | 103,301 | - | - | - | 103,301 | 0.19% | 25,826 | 77,475 | 103,301 |
| OR WOLF MGMT PROGRAM 2015-17 | - | 410,609 | - | - | - | 410,609 | 0.74% | 102,653 | 307,956 | 410,609 |
| OREGON ALBACORE SAMPLING FY17 | 41,730 | - | - | - | - | 41,730 | 0.08% | - | 41,730 | 41,730 |
| OREGON CHUB FY2014 FWS POST DELISTING | 19,170 | - | - | - | - | 19,170 | 0.03% | - | 19,170 | 19,170 |
| OREGON FISH SCREENS PROJECT | 51,168 | - | - | - | - | 51,168 | 0.09% | - | 51,168 | 51,168 |
| OREGON FRAMEWORK FISH HABITAT DIST DATA | 4,367 | - | - | - | - | 4,367 | 0.01% | - | 4,367 | 4,367 |
| OREGON OCEAN SAMPLING | 46,143 | - | - | - | - | 46,143 | 0.08% | - | 46,143 | 46,143 |
| OREGON PINNIPED POPULATION STUDIES | - | 44,867 | - | - | - | 44,867 | 0.08% | - | 44,867 | 44,867 |
| OWEB MIDDLE FORK JOHN DAY RIVER BASIN IM | 162,441 | - | - | - | - | 162,441 | 0.29% | - | 162,441 | 162,441 |
| OWEB-OR PLAN MONITORING-COASTAL LIFE CYC | 32,469 | - | - | - | - | 32,469 | 0.06% | - | 32,469 | 32,469 |
| PAC SALM TREATY IMP-COL. RVR FISH MONITR | 41,795 | - | - | - | - | 41,795 | 0.08% | - | 41,795 | 41,795 |
| PAC SALM TREATY IMP-COORD & RUN RECONSTR | 65,427 | - | - | - | - | 65,427 | 0.12% | - | 65,427 | 65,427 |
| PAC SALM TREATY IMP-OCEAN FISHERY MONITR | 116,618 | - | - | - | - | 116,618 | 0.21% | - | 116,618 | 116,618 |
| PAC SALM TREATY IMP-PST SUPPORT | 297,503 | - | - | - | - | 297,503 | 0.54% | - | 297,503 | 297,503 |
| PAC SALM TREATY IMP-STOCK ID | 2,198 | - | - | - | - | 2,198 | 0.00% | - | 2,198 | 2,198 |
| PACFIN ENHANCE GROUNDFISH MONITOR FY2016 | 50,901 | - | - | - | - | 50,901 | 0.09% | - | 50,901 | 50,901 |
| PACFIN:ENHANCED DATA PROCESSING-3A 16-17 | 133,469 | - | - | - | - | 133,469 | 0.24% | - | 133,469 | 133,469 |
| PACIFIC NW COAST LANDSCAPE CONSERVATION | - | 1,187 | - | - | - | 1,187 | 0.00% | - | 1,187 | 1,187 |
| PAIRED RELEASE STUDY | 37,595 | - | - | - | - | 37,595 | 0.07% | - | 37,595 | 37,595 |
| PARTNERSHIP FOR CLACKAMAS RVR BULL TROUT | 4,694 | - | - | - | - | 4,694 | 0.01% | - | 4,694 | 4,694 |
| PGE- CROOKED RIVER HABITAT SURVEYS | 50,494 | - | - | - | - | 50,494 | 0.09% | - | 50,494 | 50,494 |
| PGE-CLACK HYDRO PROJ SECT 401 CERTIFICAT | 3,527 | - | - | - | - | 3,527 | 0.01% | - | 3,527 | 3,527 |
| PINNIPED - GF | 172,911 | - | - | - | - | 172,911 | 0.31% | 172,911 | - | 172,911 |
| PIT SCULPIN ASSESSMENT 2016 | 6,496 | - | - | - | - | 6,496 | 0.01% | - | 6,496 | 6,496 |
| PLAN IMPLEMENTATION COASTAL | 111,704 | - | - | - | - | 111,704 | 0.20% | - | 111,704 | 111,704 |
| PLAN IMPLEMENTATION EASTSIDE | 172,940 | - | - | - | - | 172,940 | 0.31% | - | 172,940 | 172,940 |
| PLAN IMPLEMENTATION LCR | 180,938 | - | - | - | - | 180,938 | 0.33% | - | 180,938 | 180,938 |
| PLAN IMPLEMENTATION STATEWIDE | 237,228 | - | - | - | - | 237,228 | 0.43% | - | 237,228 | 237,228 |
| POPULATION CHARACTER OR STURGEON 2016-17 | 100,432 | - | - | - | - | 100,432 | 0.18% | 25,108 | 75,324 | 100,432 |
| PRB-FISH HEALTH 2016 | 144,443 | - | - | - | - | 144,443 | 0.26% | - | 144,443 | 144,443 |
| PRB-HYDRO ELECTRIC MITIGATION 2016 | 179,102 | - | - | - | - | 179,102 | 0.32% | - | 179,102 | 179,102 |
| PRODUCTION STANDARDS | 98,924 | - | - | - | - | 98,924 | 0.18% | - | 98,924 | 98,924 |
| PROPAGATION ADMINISTRATION GF | 59,747 | - | - | - | - | 59,747 | 0.11% | 59,747 | - | 59,747 |
| PROSPECT HYDRO POWER PROJECT | 25,937 | - | - | - | - | 25,937 | 0.05% | - | 25,937 | 25,937 |
| R&E ADMINISTRATION | - | - | - | 176,990 | - | 176,990 | 0.32% | 176,990 | - | 176,990 |
| R&E WEBSITE REPAIR & MAINTENANCE | - | - | - | 761 | - | 761 | 0.00% | 761 | - | 761 |
| RECOVERY OF FOSKETT SPRINGS SPECKLED DAC | 9,084 | - | - | - | - | 9,084 | 0.02% | - | 9,084 | 9,084 |
| REGION & WATERSHED ADMINISTRATION | 37,474 | - | - | - | - | 37,474 | 0.07% | 37,474 | - | 37,474 |
| ROLL UPMT | 1,758 | - | - | - | - | 1,758 | 0.00% | - | 1,758 | 1,758 |
| ROUND BUTTE HATCHERY FISH HEALTH | 11,534 | - | - | - | - | 11,534 | 0.02% | - | 11,534 | 11,534 |
| ROUND BUTTE HATCHERY FISH ID | 2,637 | - | - | - | - | 2,637 | 0.00% | - | 2,637 | 2,637 |
| ROUND BUTTE HATCHERY O&M -FISH PATHOLOGY | 6,101 | - | - | - | - | 6,101 | 0.01% | - | 6,101 | 6,101 |
| ROUND BUTTE HATCHERY O&M FY17 | 2,098 | - | - | - | - | 2,098 | 0.00% | - | 2,098 | 2,098 |
| ROUND BUTTE HATCHERY OPERATIONS | 7,268 | - | - | - | - | 7,268 | 0.01% | - | 7,268 | 7,268 |
| SAGE GROUSE INITIATIVE HABITAT BIO-LAKEV | - | 73,122 | - | - | - | 73,122 | 0.13% | 39,296 | 33,826 | 73,122 |
| SAGE GROUSE INITIATIVE HABITAT BIOLOGIST | - | 72,689 | - | - | - | 72,689 | 0.13% | 48,702 | 23,987 | 72,689 |
| SAGE GROUSE MITIGATION COORDINATOR | - | 111,560 | - | - | - | 111,560 | 0.20% | 111,560 | - | 111,560 |
| SALMON PLAN | 66,214 | - | - | - | - | 66,214 | 0.12% | - | 66,214 | 66,214 |
| SALMON RIVER EXPLOIT RATE STOCK EVAL | 200,096 | - | - | - | - | 200,096 | 0.36% | - | 200,096 | 200,096 |
| SALMON RIVER STUDIES | 3,943 | - | - | - | - | 3,943 | 0.01% | - | 3,943 | 3,943 |
| SANDY RIVER DELTA SCOPING PROJECT FY15 | 2,056 | - | - | - | - | 2,056 | 0.00% | - | 2,056 | 2,056 |
| SELECTIVE FISHING TECHNIQUES-CFF | 636 | - | - | - | - | 636 | 0.00% | 636 | - | 636 |
| SHELLFISH OF OBLIG LIC COMM FISH | 8,494 | - | - | - | - | 8,494 | 0.02% | 8,494 | - | 8,494 |

**Table 2. ODFW Projects Worked by Biologists - AY 2015-17 through 2/28/2017**

| Project | Fish Division Division Total | Wildlife Division Division Total | Administration Division Total | 088-01 Cap. Impr | 089-89 Cap. Const. | Grand Total | Percent of Total | 2015-17 Biennium Actuals through 2/28/17 State | 2015-17 Biennium Actuals through 2/28/17 Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| SHELLFISH PROGRAM - 100% 7129 DEDICATED | 777,594 | - | - | - | - | 777,594 | 1.40% | 759,405 | 18,189 | 777,594 |
| SHERARS FALLS HIGH WATER LADDER IMPROVE | - | - | - | 516 | - | 516 | 0.00% | - | 516 | 516 |
| SHERARS FALLS PIT TAG PLATFORM | 780 | - | - | - | - | 780 | 0.00% | - | 780 | 780 |
| SMOLT MONITORING LITTLE GOOSE | 235,153 | - | - | - | - | 235,153 | 0.42% | - | 235,153 | 235,153 |
| SMOLT MONITORING LOWER GRANDE RONDE | 234,637 | - | - | - | - | 234,637 | 0.42% | - | 234,637 | 234,637 |
| SPORT FISH RESTORATION STATEWIDE COORDIN | 66,507 | - | - | - | - | 66,507 | 0.12% | 16,627 | 49,880 | 66,507 |
| SPRING CR ACCLIMTN & YOUTH ANGLING POND | - | - | - | 3,000 | - | 3,000 | 0.01% | 3,000 | - | 3,000 |
| SPRING PARK FISH & AMPHIBIAN SURVEYS | 375 | - | - | - | - | 375 | 0.00% | - | 375 | 375 |
| STATEWIDE HABITAT | - | 7,144 | - | - | - | 7,144 | 0.01% | 1,786 | 5,358 | 7,144 |
| STATEWIDE HABITAT 2016-17 DESCHUTES | - | 288,252 | - | - | - | 288,252 | 0.52% | 72,063 | 216,189 | 288,252 |
| STATEWIDE HABITAT 2016-17 KLAMATH | - | 24,434 | - | - | - | 24,434 | 0.04% | 6,109 | 18,325 | 24,434 |
| STATEWIDE HABITAT 2016-17 MALHEUR | - | 259,873 | - | - | - | 259,873 | 0.47% | 52,266 | 207,607 | 259,873 |
| STATEWIDE HABITAT 2016-17 ROGUE | - | 145,012 | - | - | - | 145,012 | 0.26% | 27,306 | 117,706 | 145,012 |
| STATEWIDE HABITAT 2016-17 S WILLAMETTE | - | 221,608 | - | - | - | 221,608 | 0.40% | 55,402 | 166,206 | 221,608 |
| STATEWIDE HABITAT 2016-17 UMPQUA | - | 169,166 | - | - | - | 169,166 | 0.30% | 42,291 | 126,875 | 169,166 |
| STATEWIDE TECHNICAL GUIDANCE PR 2016-17 | - | 444,181 | - | - | - | 444,181 | 0.80% | 110,554 | 333,627 | 444,181 |
| STATEWIDE TECHNICAL GUIDANCE-SFR FY17 | - | 74,615 | - | - | - | 74,615 | 0.13% | 18,654 | 55,961 | 74,615 |
| STELLAR SEA LION SURVIVAL OR&N CAL 15-17 | - | 18,823 | - | - | - | 18,823 | 0.03% | - | 18,823 | 18,823 |
| STEP-ADMIN 2016-17 | 9,096 | - | - | - | - | 9,096 | 0.02% | 2,274 | 6,822 | 9,096 |
| STEP-EASTERN STEP 2016-17 | 159,267 | - | - | - | - | 159,267 | 0.29% | 39,817 | 119,450 | 159,267 |
| STEP-NORTH COAST 2016-17 | 275,870 | - | - | - | - | 275,870 | 0.50% | 68,968 | 206,902 | 275,870 |
| STEP-NORTH WILLAMETTE 2016-17 | 168,369 | - | - | - | - | 168,369 | 0.30% | 42,092 | 126,277 | 168,369 |
| STEP-ROGUE/SOUTH COAST 2016-17 | 263,285 | - | - | - | - | 263,285 | 0.47% | 65,821 | 197,464 | 263,285 |
| STEP-SOUTH WILLAMETTE 2016-17 | 217,379 | - | - | - | - | 217,379 | 0.39% | 54,345 | 163,034 | 217,379 |
| STEP-UMPQUA/COOS 2016-17 | 244,700 | - | - | - | - | 244,700 | 0.44% | 61,176 | 183,524 | 244,700 |
| STOCK ASSESSMENT RESEARCH-MARINE PROG | 276,225 | - | - | - | - | 276,225 | 0.50% | 276,225 | - | 276,225 |
| STUDIES OF EULACHON SMELT IN OREGON/WA | 28,770 | - | - | - | - | 28,770 | 0.05% | - | 28,770 | 28,770 |
| SUPPORT SAMPLING ONGOING WILLAMETTE RES | 22,829 | - | - | - | - | 22,829 | 0.04% | - | 22,829 | 22,829 |
| TILLAMOOK GAME MANAGEMENT | 86,043 | - | - | - | - | 86,043 | 0.15% | 86,043 | - | 86,043 |
| TROUT CREEK OPERATION AND MAINTENANCE | 139,616 | - | - | - | - | 139,616 | 0.25% | - | 139,616 | 139,616 |
| TULE MONITORING AND MARKING | 187,721 | - | - | - | - | 187,721 | 0.34% | - | 187,721 | 187,721 |
| TURKEY | - | 7,749 | - | - | - | 7,749 | 0.01% | 7,749 | - | 7,749 |
| UMATILLA FISH HEALTH | 36,014 | - | - | - | - | 36,014 | 0.06% | - | 36,014 | 36,014 |
| UMATILLA HATCHERY FISH ID | 13,567 | - | - | - | - | 13,567 | 0.02% | - | 13,567 | 13,567 |
| UMATILLA HATCHERY M&E PROJECT | 369,525 | - | - | - | - | 369,525 | 0.67% | - | 369,525 | 369,525 |
| UMATILLA HATCHERY O & M 2016-2017 | 9,367 | - | - | - | - | 9,367 | 0.02% | - | 9,367 | 9,367 |
| UMATILLA TRAP & HAUL | 153,514 | - | - | - | - | 153,514 | 0.28% | - | 153,514 | 153,514 |
| UMPQUA FISH DISRTICT | 7,671 | - | - | - | - | 7,671 | 0.01% | 7,671 | - | 7,671 |
| UMPQUA HYDRO PROJECT | 277,084 | - | - | - | - | 277,084 | 0.50% | - | 277,084 | 277,084 |
| UNGULATE,ATV,& HUNTER INTERACTIONS 16-17 | - | 53,062 | - | - | - | 53,062 | 0.10% | 13,266 | 39,796 | 53,062 |
| UPLAND BIRD STAMP | - | 166,498 | - | - | - | 166,498 | 0.30% | 166,498 | - | 166,498 |
| UPPER KLAMATH BASIN ANADROMOUS RE-INTRO | 29,896 | - | - | - | - | 29,896 | 0.05% | - | 29,896 | 29,896 |
| USACE HATCHERY FISH HEALTH SERVICES FY17 | 153,631 | - | - | - | - | 153,631 | 0.28% | - | 153,631 | 153,631 |
| USACE LIFE HIST REDBAND TROUT/BLITZEN RI | 14,830 | - | - | - | - | 14,830 | 0.03% | - | 14,830 | 14,830 |
| USACE WILLAMETTE VALLEY HATCHERY FISH ID | 16,703 | - | - | - | - | 16,703 | 0.03% | - | 16,703 | 16,703 |
| USFWS ESA PROGRAM LIAISON - GUNCKEL IPA | 126,497 | - | - | - | - | 126,497 | 0.23% | - | 126,497 | 126,497 |
| VOLUNTARY PUBLIC A&H INCENTIVE PROGRAM | - | 4,637 | - | - | - | 4,637 | 0.01% | - | 4,637 | 4,637 |
| WARMWATER AND REC GAME FISH MGMT 2016-17 | 189,052 | - | - | - | - | 189,052 | 0.34% | 47,263 | 141,789 | 189,052 |
| WARNER VALLEY FISH INVESTIGATION | 54,980 | - | - | - | - | 54,980 | 0.10% | - | 54,980 | 54,980 |
| WATER QUALITY / QUANTITY - GF | 9,919 | - | - | - | - | 9,919 | 0.02% | 9,919 | - | 9,919 |
| WATER QUALITY/QUANTITY GF | 456,034 | - | - | - | - | 456,034 | 0.82% | 456,034 | - | 456,034 |
| WATERFOWL DEVELOPMENT | - | 32,742 | - | - | - | 32,742 | 0.06% | 32,742 | - | 32,742 |
| WEST REGION & WATERSHED ADMINISTRATION | 16,830 | - | - | - | - | 16,830 | 0.03% | 16,830 | - | 16,830 |
| WESTERN OR STREAM RESTORATION- GF | 15,584 | - | - | - | - | 15,584 | 0.03% | 15,584 | - | 15,584 |
| WHITE NOSED SYNDROME IN BATS 16-17 | - | 36,027 | - | - | - | 36,027 | 0.06% | - | 36,027 | 36,027 |
| WHITE RIVER WMA 2016-17 | - | 43,199 | - | - | - | 43,199 | 0.08% | 6,750 | 36,449 | 43,199 |
| WILD SPRING CHINOOK MONITORING | 93,167 | - | - | - | - | 93,167 | 0.17% | - | 93,167 | 93,167 |
| WILDLIFE ADMINISTRATION - O/F | 822,620 | - | - | - | - | 822,620 | 1.48% | 822,620 | - | 822,620 |
| WILDLIFE ADMINISTRATION 100% OF | - | 4,735 | - | - | - | 4,735 | 0.01% | 4,735 | - | 4,735 |
| WILDLIFE HEALTH & POPULATION LAB 2016-17 | - | 175,283 | - | - | - | 175,283 | 0.32% | 43,821 | 131,462 | 175,283 |
| WILDLIFE RESEARCH | - | 129,771 | - | - | - | 129,771 | 0.23% | 22,087 | 107,684 | 129,771 |
| WILDLIFE RESEARCH BREEDING BULL ELK | - | 102,754 | - | - | - | 102,754 | 0.18% | 11,177 | 91,577 | 102,754 |
| WILDLIFE RESTORATION COORDINATOR 2016-17 | - | 303,284 | - | - | - | 303,284 | 0.55% | 75,821 | 227,463 | 303,284 |
| WILLAMETTE JUVENILE SALMON HABITAT EVAL | 14,299 | - | - | - | - | 14,299 | 0.03% | - | 14,299 | 14,299 |
| WILLAMETTE RIVER MONITORING | 67,125 | - | - | - | - | 67,125 | 0.12% | 67,125 | - | 67,125 |
| WILLAMETTE SPRING CHINOOK STUDIES 16-17 | 298,593 | - | - | - | - | 298,593 | 0.54% | 74,649 | 223,944 | 298,593 |

**Table 2. ODFW Projects Worked by Biologists - AY 2015-17 through 2/28/2017**

| Project | Fish Division Division Total | Wildlife Division Division Total | Administration Division Total | 088-01 Cap. Impr | 089-89 Cap. Const. | Grand Total | Percent of Total | 2015-17 Biennium Actuals through 2/28/17 State | 2015-17 Biennium Actuals through 2/28/17 Contract/FF | Total AY 2015-17 Biennium Actuals through 2/28/17 |
|---|---|---|---|---|---|---|---|---|---|---|
| WINTER FEEDING | - | 9,879 | - | - | - | 9,879 | 0.02% | 9,879 | - | 9,879 |
| WOLF MGMT MONITORING AND RESEARCH FY13 | - | 8,468 | - | - | - | 8,468 | 0.02% | - | 8,468 | 8,468 |
| WOSRP - CENTRAL POINT - GF | 111,258 | - | - | - | - | 111,258 | 0.20% | 111,258 | - | 111,258 |
| WOSRP - CLACKAMAS - GF | 136,413 | - | - | - | - | 136,413 | 0.25% | 136,413 | - | 136,413 |
| WOSRP - NEWPORT - GF | 141,295 | - | - | - | - | 141,295 | 0.25% | 141,295 | - | 141,295 |
| WOSRP - TILLAMOOK - GF | 166,578 | - | - | - | - | 166,578 | 0.30% | 166,578 | - | 166,578 |
| WOSRP - UMPQUA - GF | 135,916 | - | - | - | - | 135,916 | 0.24% | 135,916 | - | 135,916 |
| WOSRP CENTRAL POINT | 47,038 | - | - | - | - | 47,038 | 0.08% | - | 47,038 | 47,038 |
| WOSRP CHARLESTON | 8,432 | - | - | - | - | 8,432 | 0.02% | 8,432 | - | 8,432 |
| | - | - | - | - | - | - | 0.00% | - | - | - |
| TOTALS | 41,747,249 | 13,586,275 | 50,414 | 181,267 | 1,668 | 55,566,873 | | 25,466,428 | 30,100,445 | 55,566,873 |
| Percentage of Total | 75.1% | 24.5% | 0.1% | 0.3% | 0.0% | 100.0% | | | | |

**Attachment 2: Descriptions of biologists' duties.**

# Fish

## ODFW West Region Fish Districts

Fish District staff typically comprise of a District Fish Biologist (SFWB or NRS-3) and one or more Assistant District Fish Biologists (NRS-2). Depending on the District, there may also be early- level biologists (NRS-1) performing District duties. The objective of the District "team" is to perform duties to meet the agency's Mission—providing fish for current and future use and enjoyment, and protecting and enhancing the habitats that produce those fish.

The District Fish Biologist is usually a Management Service employee, providing supervisory/administrative functions for his/her direct reports (e.g. assigning day-to-day duties based on priorities, conducting timesheet review and approval, facilitating staff training, ensuring a safety program, implementing a budget, etc.). The District Biologist is responsible for greater planning, decision-making, internal/external coordination, and policy development/implementation than Assistants. For smaller Districts having only one Assistant, the District Biologist may perform a greater proportion of the field activities than for a District with multiple Assistants. Assistant District Fish Biologists perform much of the field work and project implementation on-the-ground with permit review and technical assistance; habitat project planning, design, and, implementation; and habitat or fish population survey work.

Fish District functions include protecting and enhancing production of fish for use and enjoyment. This is accomplished through a combination of naturally-produced and artificially-produced (hatchery) fish, depending on the objectives for those fish populations within the District. District staff conduct monitoring of the status of fish species and progress toward meeting objectives, including species sustainability, catch rates, and harvest. District biologists also monitor habitat conditions, identify habitat deficiencies, and implement projects to enhance habitat quality and quantity, often in partnership with other agencies or community watershed associations. Districts are the field-level implementation arm of ODFW, translating fish and habitat information/data that may be collected by the OASIS or Aquatic Habitat Inventory programs into regulation proposals or habitat projects designed to protect and enhance fish populations.

The duties of District Biologists and Assistants also include habitat protection actions such as reviewing and providing technical recommendations to permitting agencies (e.g. Oregon Dept. of State Lands/Army Corps of Engineers for Removal-Fill Program, or Oregon Water Resources Dept. for Water Rights applications). District staff often participate in pre-project site visits with landowner-applicants and permitting agency staff, facilitating project applications that meet resource-protection requirements early-on in the process. Biologists coordinate with Federal agencies such as NOAA-Fisheries Service and U.S. Army Corps of Engineers for management and recovery of ESA-listed species, and for operation of large Corps-operated dams. District

Biologists and their Assistants engage and assist the public through angling regulation Town Hall meetings, angler clinics, one-on-one visits, community fairs/festivals, and implementation of the Salmon Trout Enhancement Program (STEP). Many Districts have an Assistant assigned as a STEP Biologist, who works with volunteers to improve habitat, produce hatchery fish, develop and disseminate education to kids and the public, and monitor fish or habitat.

The following table summarizes the major programs involving our biologists.

| District/Positions | Highlighted Projects or Focus Areas |
|---|---|
| **North Coast Fish District** | |
| District Office located in Tillamook.<br><br># Biologists: 1 SFWB; 3 NRS-2 (1 Assistant, 1 STEP, 1 WOSRP-Western Oregon Stream Restoration Program) | 1. Participated in "Southern Flow Corridor Project for the 500-acre Tillamook Bay.<br>• Pre-project planning and fish salvage;<br>• Tillamook County and Port of Tillamook; Oregon Solutions; USFWS; NOAA.<br>2. Implementing Coastal Multi-species Conservation Plan (CMP) actions for spring Chinook and winter steelhead.<br>• Doubled ChS production, with new sites in Little Nestucca and mainstem, to increase angling opportunity;<br>• New release sites for StW hatchery production to separate from natural spawning areas and improve angling opportunity. |
| **North Willamette Watershed—Coast Range Fish District** | |
| District Office located in Clackamas.<br><br># Biologists: 1 SFWB; 1 NRS-2 (Assistant)<br><br>Also 1 NRS-2 STEP Biologist and 1 NRS-2 WOSRP Biologist shared between Coast Range District and N. Willamette/Cascade Unit Fish District. | 1. Management of Hagg Lake fisheries.<br>• Very high angling effort and recreational use;<br>• Reservoir located within a short distance from Portland urban area.<br>2. Recovery actions for ESA-listed species in Lower Columbia River.<br>• Focus on habitat restoration and engaging partners such as watershed councils. |
| **North Willamette Watershed—Cascade Unit Fish District** | |
| District Office located in Clackamas.<br><br># Biologists: 1 SFWB; 1 NRS-2 (Assistant)<br><br>Also 1 NRS-2 STEP Biologist and 1 NRS-2 WOSRP Biologist shared between Coast Range District and N. | 1. Clackamas and Sandy River fish management.<br>• Every salmonid species is ESA-listed;<br>• Management for recovery and opportunity.<br>2. Extensive development of smolt acclimations on Clackamas River to improve recreational fisheries. |

| | |
|---|---|
| Willamette/Cascade Unit Fish District. | |
| **Mid-Willamette Fish District** | |
| District Office located in Adair.<br><br># Biologists: 1 NRS-3 (District Biologist); 2 NRS-2 (Assistants) | 1. Recovery of ESA-listed winter steelhead and spring Chinook through participation in Willamette Biological Opinion process.<br>• Extensive Corps dam system.<br>2. Development of Hatchery Genetic Management Plans (HGMPs) for multiple species.<br>• Reconcile with Corps project management. |
| **Mid-Coast Fish District** | |
| District Office located in Newport.<br><br># Biologists: 1 SFWB; 3 NRS-2 (1 Assistant, 1 STEP, 1 WOSRP) | 1. Implementation of Coastal Multi-species Conservation Plan (CMP) actions for fall Chinook in Salmon River.<br>• Reduce hatchery fish on natural spawning grounds;<br>• Major effort for staff and volunteers to capture hatchery fish returning to the basin.<br>2. Lamprey passage at Alsea Hatchery.<br>• Work with ODFW Fish Passage staff to improve lamprey passage to 14 miles of habitat upstream. |
| **Upper Willamette Fish District** | |
| District Office located in Springfield.<br><br># Biologists: 1 SFWB; 2 NRS-2 (Assistant and STEP) | 1. Bull Trout reintroduction into McKenzie Basin.<br>• Reintroduction above Hills Creek Dam.<br>2. Management of fish and fisheries with regard to Willamette Dams.<br>• Coordination with Research projects;<br>• Management recommendations and planning, working with the Corps, NOAA, and other entities;<br>• Monitoring of fish stocks. |
| **Umpqua Fish District** | |
| District Office located in Roseburg.<br><br># Biologists: 1 SFWB; 3 NRS-2 (1 Assistant, 1 STEP, 1 WOSRP) | 1. Monitoring and management of the Diamond Lake trout fishery.<br>• Monitoring/control of invasive Tui Chub and Golden Shiner;<br>• Trout creel, trapping invasives, stocking piscivorous trout.<br>2. Management of unique/premier fisheries for summer steelhead in the North Umpqua and spring Chinook in the South Umpqua.<br>• Snorkel surveys to monitor abundance;<br>• Develop angling regulations and hatchery stocking levels. |

| **Coos-Coquille-Tenmile Fish District** | |
|---|---|
| District Office located in Charleston.<br><br># Biologists: 1 SFWB; 3 NRS-2 (2 Assistant, 1 STEP) | 1. Development of the Winter Lake Restoration Project on the Coquille Valley Wildlife Area.<br>• Pre-project monitoring of fish use and habitat conditions;<br>• Planning, design, permitting, contracting toward implementation of the 400-acre+ tidal wetland restoration.<br>2. Providing fall Chinook and winter steelhead fisheries with emphasis on public involvement and student education.<br>• Large numbers of volunteers and students involved with District programs annually;<br>• Implementing CMP actions to improve hatchery programs to protect wild fish and increase angling opportunity, and to improve habitat to address limiting factors. |
| **South Coast Fish District** | |
| District Office located in Gold Beach.<br><br># Biologists: 1 SFWB; 2 NRS-2 (1 Assistant, 1 STEP) | 1. Pacific Salmon Treaty and CMP actions for Elk River fall Chinook.<br>• Monitoring of PST exploitation rate indicator stock;<br>• Reduce the number of hatchery fish on spawning grounds.<br>2. Lower Rogue Huntley Park Seining Project.<br>• District activity since 1988; (Research project prior.)<br>• Monitoring and mitigation for impacts of Lost Creek Dam;<br>• Escapement estimates for summer steelhead, fall Chinook, and Coho; necessary information for Conservation Plan metrics. |
| **Upper Rogue Fish District** | |
| District Office located in Central Point.<br><br># Biologists: 1 SFWB; 4 NRS-2 (2 Assistants, 1 STEP, 1 Habitat Restoration) | 1. Spring Chinook Conservation Plan.<br>• Restoring early run spring Chinook affected by Lost Creek Dam;<br>• Improve hatchery production.<br>2. Aggressive effort to improve fish passage in District.<br>• Removal of unnecessary dams;<br>• Implemented removal of Savage Rapids, Gold Ray, Wimer, and Fielder dams;<br>• Chinook observed in areas of Evans Creek never seen before;<br>• Continue to discover many, many small barriers, previously unidentified. |

## ODFW East Region Fish Districts

The East Region Fish District biologist's mission, guided by the agency mission, is to protect and enhance Oregon's fish populations for use and enjoyment by present and future generations. Our biologists accomplish this mission by monitoring fish populations, regulating fish species harvest, developing and monitoring public access to waters of the state, and protecting aquatic and riparian habitat by providing recommendations to land management and other regulatory agencies. All district biologists are funded using Other Funds (75%) and General Fund (25%) dollars.

The following table summarizes plans that our fish districts utilize and the species our biologists manage to enhance fisheries (conservation and recreation).

| Current Plans | Principal Fish Species |
|---|---|
| Conservation and Recovery Plans – ODFW | Native trout species |
| Oregon Plan for Salmon and Watersheds – ODFW | Hatchery stocked trout |
| 25-Year Recreational Angling Enhancement Plan- ODFW | Salmon and steelhead |
| | Game fish |
| | Native sucker species |
| | Lamprey |
| | Sturgeon |
| | Minnows |
| | Sculpin |

There are ten fish districts (Mid-Columbia, Deschutes, Crooked, Klamath Falls, Lake, Malheur, John Day, Umatilla, Grande Ronde, and Wallowa) in five watersheds units administered by the East Region Fish Management Program, totaling 16 biologists located at The Dalles, Bend, Prineville, Klamath Falls, Lakeview, Hines, John Day, Pendleton, La Grande, and Enterprise. All districts share similar objectives for their individual area to accomplish the agencies' mission.

The majority of our biologists are involved in coordinating and implementing field research and monitoring, conducting habitat surveys and restoration activities, improving and protecting access, and working with other agencies and public to enhance public resources. Throughout the year there is significant effort in hiring and training seasonal field staff, purchasing equipment, selecting sample sites, adjusting monitoring protocols, attending partner meetings, evaluating habitat quantity and quality, assisting public, providing information, entering data, performing reviews, conducting data analyses, and producing reports.

In general, our fish biologists design and conduct fish research that will attain specific data needed to answer Fish Division management questions and objectives; develop a progressive

and comprehensive program of biological research; design sampling schemes necessary to statistically validate findings using appropriate scientific procedures and provide information to the public and private land managers on all things that effect current and future fish and their habitats.

The following table summarizes the East Region Fish Districts and some major projects involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Watershed: Deschutes District: Lower Deschutes/Mid-Columbia** | |
| **Lower Deschutes Fish Population Study**<br>Determine the abundance of summer steelhead, fall Chinook, and spring Chinook salmon, and examine the relative health of rainbow trout in the Lower Deschutes River.<br><br># Biologists: NRS2 , SFWB, NRS1 | • Enhance population monitoring and fisheries opportunity.<br>• Provide estimates of harvest, run size, spawning escapement for summer steelhead and Chinook salmon.<br>• Provide estimates of key life history metrics examining the relative health of rainbow trout. |
| **Watershed: Deschutes District: Upper Deschutes** | |
| **Spring Creek Acclimation and Youth Angling Pond**<br>Provide a multi-use facility at the former Metolius Hatchery site. Project feature includes a spring fed pond to provide a youth angling opportunity during summer and salmon hatchboxes/smoth acclimation during late winter and early spring. Provide year-round, all age's education opportunities.<br><br># Biologists: 2NRS2, SFWB, NRS1 | • Enhance fisheries, angler education and recruitment.<br>• Develop a pond and facilities for education, interpretive, and recreation uses.<br>• Provide local youth fishing opportunity.<br>• Provide year-round, all age's education opportunities.<br>• Utilize pond for chinook and sockeye salmon acclimation and egg hatchboxes as part of the anadromous salmon reintroduction above the Pelton-Round Butte Dam complex. |
| **Watershed: Deschutes District: Crooked River** | |
| **Effects of a modified flow regime on the fish populations of the Crooked River below Bowman Dam.**<br>Document presence of gas bubble disease in fish to better understand impacts on fish populations.<br><br># Biologists: NRS2 | • Monitor fish health.<br>• Provide results that could help guide management decisions pertaining to anthropogenic caused issues.<br>• Use data to get changes made to the outlet of the dam to eliminate or alleviate supersaturating of nitrogen. |

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| **Watershed: Klamath District: Klamath River** | |
| **Behavior thermoregulation of adfluvial redband trout of Upper Klamath Lake using radio transmitters.**<br>Improve survival and increase abundance of "true trophy (31 inch)" and all redband trout in Upper Klamath Lake.<br><br># Biologists: NRS2, SFWB | • Enhance fisheries opportunity.<br>• Provide information on restoration opportunities.<br>• Provide information for future reintroduction of Chinook salmon.<br>• Prioritize instream flow and habitat restoration at areas most utilized by redband trout for refugia.<br>• Guide fishing regulations modifications for fishing opportunities and species protection. |
| **Watershed: Klamath District: Lake** | |
| **Chewaucan River Screening and Passage and Redband Trout Monitoring Plan.**<br>Protect juvenile and adult redband trout by screening all irrigation canals and provide passage from source to mouth to fulfill all life history functions in a desiccant basin.<br>Develop a monitoring plan to track population through time.<br><br># Biologists: NRS2 | • Enhance fisheries opportunity.<br>• Complete last screening project on mainstem Chewaucan River protecting fish from entrainment into irrigation canals.<br>• Ensure the persistence of redband trout in the Chewaucan River basin into the future.<br>• Identify conservation measures needed for the basin and redband trout. |
| **Watershed: Malheur District: Malheur** | |
| **Standardized sampling and evaluation of Malheur Fish District Waterbodies**<br>Inventory the current status of lakes and reservoirs within the Malheur Fish District in south east Oregon using standardized equipment, protocols and adaptive management to provide improved angler satisfaction and catch-rates.<br><br># Biologists: NRS2, SFWB | • Enhance fisheries management and opportunities.<br>• Use standard equipment and protocols to obtain information regarding the current status of each fishery (e.g. gillnets, fyke nets, electrofishing, temperature, dissolved oxygen etc.).<br>• Annually sample lakes and reservoirs with high angler use and/or locally important to anglers; sample smaller reservoirs capable of providing quality angling every 3 years.<br>• Make comparisons among lakes and reservoirs within the Malheur Fish District to identify management practices and hatchery stocks that provide value to the angler. |
| **Watershed: John Day District: John Day** | |
| **Mid-Columbia Steelhead and spring Chinook population monitoring and prioritization of** | • Enhance population monitoring and protect fisheries.<br>• Provide estimates of run size and spawning |

| | |
|---|---|
| **screening and passage.**<br>Determine the abundance of summer steelhead and spring Chinook.<br>Prioritize and conduct screening and passage projects in the basin to reduce stranding and entrainment of all fish.<br><br># Biologists: 2NRS2, SFWB | escapement for summer steelhead and spring Chinook salmon.<br>• Provide a spring Chinook fishery when numbers allow.<br>• Implement screening and passage projects by priority in the basin as funds and personnel are available. |
| **Watershed: John Day District: Umatilla/Walla Walla** | |
| **Dillon Dam Removal**<br>Improve fish passage: salmon and steelhead experience delayed movements, lamprey are not able to pass currently.<br>Reduce the annual disturbance to instream habitat while maintaining landowner's irrigation delivery system.<br><br># Biologists: NRS3 | • Improve fish passage, partnerships, and river function.<br>• Dam removal in 2017.<br>• Resolve all passage issues.<br>• Increase production of fall chinook and coho salmon.<br>• Consolidation of irrigation diversions.<br>• Finalize large, multi-partnership project. |
| **Watershed: Grande Ronde District: Grande Ronde** | |
| **Phillips Reservoir Fisheries Restoration**<br>Restoration of trout fishery impacted by unauthorized introduction of yellow perch using biological control methods.<br><br># Biologists: SFWB | • Enhance fisheries.<br>• Improved angler satisfaction and participation.<br>• Identify and evaluate tools for removal and management of unauthorized introduced species.<br>• Boost local Baker County economy. |
| **Watershed: Grande Ronde District: Wallowa** | |
| **Wallowa Lake Tag Reward Study**<br>Wallowa Lake tag reward program tagged and released 39,500 rainbow trout in 2014-2015 to evaluate the effectiveness of stocking strategies, quantify harvest, and movement and growth of these stocked fish. This is part of a statewide program to understand current stocking strategies.<br><br># Biologists: NRS2, NRS3 | • Enhance fisheries and stocking effectiveness.<br>• Evaluate current stocking prescriptions, modify allocation if necessary.<br>• Time stocking events that best correspond with angler success.<br>• Use stocking techniques that maximize return to angler.<br>• Connect with angling public, involve license holders in management processes. |

## ODFW Ocean Salmon and Columbia River Program

This Ocean Salmon and Columbia River Program (OSCRP) determines and implements interjurisdictional fisheries management and Columbia River coordination policies, as well as fisheries research, monitoring, and evaluation (RME) activities. There are three main sections within the OSCRP:

- Ocean Salmon/Technical Resources (OS)
- Columbia River Coordination (CRC)
- Columbia River Fisheries Management (CRM)

The OSCRP employs biologists with classifications from NRS1 to NRS4, SFWB's, and NRS4-M in RME, fisheries management, policy, and supervisory positions. All but one NRS4 are assigned to one of the three OSCRP sections. In general, though not exclusively, NRS1-3's as well as SFWB's are funded through a combination of contract and federal aid dollars while NRS4s receive a higher proportion of license dollars; a few positions receive general funds. Most OSCRP biological staff is located at the North Willamette Watershed District Offices in Clackamas, Oregon; though, one NRS4 is located in Newport, one NRS1 is in Astoria, and one NRS1 is in The Dalles.
Entry-level biologists (NRS1's and NRS2's) are active in Columbia River Fisheries Management and Columbia River Investigations. They perform a variety of critical field, first line data analysis tasks, and serve as field crew leaders; ensuring that quality data is collected and making sure that data sets are complete and accurately summarized. NRS2's serve as assistant project leaders; providing logistical and planning support to project leaders, training seasonal staff, serving as field team leaders, completing higher level data analysis, and writing reports. Higher level biologists (NRS3's and NRS4's) provide advanced statistical and policy analysis. They report directly to section or program managers and have a high degree of latitude and autonomy in determining and applying appropriate and peer reviewed analyses. They are required to self-direct their work for a significant portion of time; ensuring that critical agency priorities are successfully executed. SFWB's serve as project leaders within the program: recruiting, hiring, and supervising project staff. They also conduct complex data analyses, write reports, and provide general project administration (e.g., preparing budgets, tracking expenditures, etc.). SFWB's also train project staff and fill in as field biologists when necessary, but primarily direct activities from the office.

The following table summarizes the major programs/projects involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Ocean Salmon Technical Resources (OS)** | |
| The OS section provides policy guidance and technical support for ocean and coastal Chinook and Coho salmon populations and fisheries through the Pacific Salmon Treaty and Commission. It also provides support for Columbia River Coho and Chinook salmon fisheries | • Put forth fishery management strategy recommendations within the Pacific Salmon Commission and Pacific Fisheries Management Council forums.<br>• Develop alternatives, plans, and actions for Ocean and Columbia Basin salmon populations.<br>• Analyze strategic and technical feasibility of developed alternatives. |

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| management through its interactions with the Pacific Fishery Management Council, the US vs Oregon policy forum, and the Oregon Production Index Technical Team.<br><br># Biologists: 1 NRS4-M, 1 NRS4, & 2 NRS3 | • Present alternatives to senior policy makers.<br>• Lead Oregon Production Index Technical Team.<br>• Ensure proper function in conducting analyses related to the Oregon Production Index. |
| **Columbia River Coordination (CRC)** | |
| The CRC section interfaces multiple interjurisdictional partners including, but not limited to Northwest Power and Conservation Council (NPCC), federal action agencies (i.e., Bonneville Power Administration, U.S. Army Corps of Engineers, and U.S. Bureau of Reclamation), tribal, federal, and other state co-managers, as well as other State of Oregon agencies on all Federal Columbia River Power System (FCRPS) related issues. It also houses the Program's RME wing, Columbia River Investigations.<br><br># Biologists: 2 SFWB, 2 NRS4, 5 NRS2, & 5 NRS1 | • Policy and technical direction provided for programs related to the development and operations of the FCRPS; including analyses of biological opinions and plans developed and required by the Endangered Species Act, National Environmental Policy Act, NOAA's Columbia Basin Partnership, and the NPCC's Fish and Wildlife Program.<br>• Develop alternatives, plans, and actions for Columbia Basin fish and wildlife.<br>• Analyze strategic and technical feasibility of developed alternatives.<br>• Present alternatives to senior policy makers.<br>• Technical assistance and expert witness declarations provided to the Oregon Department of Justice when required for litigation by the State of Oregon on Columbia River issues. |
| **Columbia River Fisheries Management (CRM)** | |
| The CRM section is responsible for planning, implementing, and monitoring interjurisdictional Columbia River recreational and commercial fisheries as well as providing technical support to the Columbia River Compact and the Technical Advisory Committee of the US vs Oregon Policy Group.<br><br># Biologists: 2 SFWB, 2 NRS2, & 3 NRS1 | • Policy and technical direction provided for regulatory and fisheries management options concerning treaty, commercial, and recreational Columbia River Fisheries co-managed through the Columbia River Compact and Joint-State hearings.<br>• Develop alternatives, plans, and actions for Columbia River fisheries.<br>• Analyze strategic and technical feasibility of developed alternatives.<br>• Present alternatives to senior policy makers<br>• Interactions made with co-managers, constituents, media, and public on fisheries planning and management issues.<br>• Organized and participated in public meetings regarding Columbia River fisheries issues. |

| **Ocean Salmon and Columbia River Program (OSCRP)** | |
|---|---|
| The OSCRP determines and implements fisheries management and Columbia River coordination policies. Conducts activities related to fisheries research, monitoring, and evaluation (RME) that are interjurisdictional in nature primarily through its three main sections: OS, CRC, and CRM.<br><br># Biologists: 2 NRS4, 1 NRS2, 1NRS3 | • Policy, technical, and administrative support provided to OS, CRC, and CRM sections of OSCRP enabling the successful prosecution of the Program's and Department's interjurisdictional Ocean Salmon and Columbia River fish management goals. |

## ODFW West Region Fish Research Program

This fish research program implements Research, Monitoring, and Evaluation (RME) activities on salmonid fish species through the following Plans, Treaties, or other agreements:

- Endangered Species Act Recovery Plans
- ODFW Conservation Plans
- Biological Opinions
- Fishery Treaties

The following table summarizes the major geographic-based plans that direct our RME activities and the species our biologists study.

| Plan Name | Principal Fish Species |
|---|---|
| Lower Columbia River Conservation and Recovery Plan (LCR) | coho, Chinook, chum, steelhead |
| Oregon Coastal Coho Conservation Plan (OCC) | coho |
| Coastal Multispecies Conservation and Management Plan (CMP) | Chinook, chum, steelhead, cutthroat |
| Upper Willamette River Conservation and Recovery Plan, and Willamette Project BiOp (UWR-BiOp) | Chinook, steelhead, bull trout |
| Rogue Fall Chinook Conservation Plan (RFC) | Chinook |
| Rogue Spring Chinook Conservation Plan (RSP) | Chinook |
| Pacific Salmon Treaty Fisheries Management (PST) | Chinook, coho |

There are currently six projects administered by the West Region Fish Research Program, with most of the biologists located at the Corvallis Research Lab. There are other RME projects at the Corvallis Research Lab that are administered by the ODFW Fish Division Conservation and Recovery Program. Those projects are not summarized here. All of the Corvallis-based RME projects share resources and field staff, and coordinate RME information needs with fishery managers, within ODFW and with other state and Federal agencies. Key information from the programs includes population status, trends, distribution and provides information on habitat. Data generated from these projects are also used in other state natural resource forums such as those involving ODEQ, ODF, ODA, OWRD, and others.

The majority of our biologists are involved in coordinating and implementing field research and monitoring, which includes spawning and juvenile surveys, juvenile salmonid migrant monitoring, and habitat monitoring. Each year there is significant preseason preparation that includes hiring and training seasonal field staff, purchasing equipment, selecting sample sites, and adjusting monitoring protocols. Since many of the survey sites are located in working landscapes, our biologists must coordinate with landowners to seek permission to access streams and successfully complete these activities. Some of our upper-level biologists are subject area specialists and analysts who produce reports, perform reviews, and conduct data analyses.

The following table summarizes the major programs involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Oregon Adult Salmonid Inventory and Sampling Project (OASIS)** | |
| This project monitors adult salmon and steelhead populations on their spawning grounds with the objective to assess their status in coastal Oregon and the lower Columbia River. Project also conducts research to improve inventory methods.<br><br># Biologists: 14 NRS | LCR, OCC, CMP<br>• Biological Performance Reporting .<br>• Annual Population Status estimates of spawners.<br>• Supports long-tern Productivity Trend Analysis to evaluate effectiveness of regulatory protections and habitat enhancement investments.<br>• 4H Listing Factor/Threat Reduction Assessment.<br>• Hatchery: pHOS annual estimate.<br>• Supports HGMP reporting.<br>• Supports pHOS Reduction Effectiveness Analyses. |
| **Life Cycle Monitoring Project (LCM)** | |
| This project uses fish trapping stations to monitor metrics of life history and productivity of coastal salmonids within specific watersheds. There are three objectives in these intensively monitored watersheds: 1) estimate abundance of adult salmonids and downstream migrating juvenile salmonids, 2) estimate marine and freshwater survival rates for coho salmon and 3) evaluate effects of habitat modification on the abundance of juvenile salmonids.<br><br># Biologists: 5NRS | LCR, OCC, CMP<br>• Biological Performance Reporting.<br>• Annual survival estimates of spawners and juveniles.<br>• Supports long-tern Productivity Trend Analysis to evaluate effectiveness of regulatory protections and habitat enhancement investments.<br>• Supports estimation of marine survival for specific brood years of Oregon Coast Coho. |
| **Lower Columbia Chum Salmon Reintroduction Project (CRP)** | |
| This project is evaluating reintroduction strategies for chum salmon in tributaries of the lower Columbia River. The project is evaluating what are the main factors limiting the recovery of chum salmon.<br><br># Biologists:2 NRS | LCR<br>• Biological Performance Reporting.<br>• 4H Listing Factor/Threat Reduction Assessment<br>• Habitat Factors.<br>• Predation Factors. |

| **Coastal Chinook Research and Management Program (CCRMP)** | |
|---|---|
| The overall goal of this program is to improve our ability to estimate adult fall Chinook salmon spawners from year to year and understand the contribution of Oregon's stocks to the northern ocean and Oregon fisheries. This project conducts mark-recapture experiments and other methodologies in coastal basins to generate relatively precise and accurate estimates of fall Chinook spawner populations.<br><br># Biologists: 7 NRS | CMP, PST<br>• Biological Performance Research and Reporting<br>  • These data are used in both state and international fisheries management.<br>• 4H Listing Factor/Threat Reduction Assessment<br>  • Hatchery: pHOS annual estimate in specific basins.<br>  • Supports pHOS Reduction Effectiveness Analyses. |
| **Fish Life History Analysis Project (FLHAP)** | |
| The FLHAP analyzes fish scales to provide estimations of age composition, hatchery or wild origin, growth information and other life history data as needed. Samples come from spawning ground and creel surveys; mark-recapture, broodstock, juvenile fish outmigration, and adult trapping for return migrants.<br><br># Biologists: 1 NRS | Multiple Plans, ODFW District requests, and contracted services.<br>• Data from this project provide foundation information for other projects to estimate fish run size and forecasts, assess population status, estimate proportion of hatchery strays, and growth analyses. |
| **Willamette BiOp RM&E Program** | |
| The goal of this Program is to provide the biological knowledge necessary for managers to make informed decisions relating to the fish resources of the Willamette River Basin. The program focus is largely on salmon and steelhead populations above Willamette Falls, but work is also conducted on bull trout in the upper basin and spring Chinook salmon in the Clackamas and Sandy rivers. There are currently major sub-projects, principally funded by federal $:<br>- Reservoirs Project | UWR, BiOp<br>• Biological Performance Reporting.<br>  • Annual Population Status estimates of spawners.<br>  • Supports long-tern Productivity Trend Analysis to evaluate effectiveness of regulatory protections and habitat enhancement investments.<br>• 4H Listing Factor/Threat Reduction Assessment.<br>  • Hatchery: pHOS annual estimate.<br>  • Supports HGMP reporting.<br>  • Supports pHOS Reduction Effectiveness Analyses.<br>• Critical Uncertainty Research supporting management decisions.<br>  • Mortality sources and effects; dam passage, predation. |

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|---|---|
| - Hatchery Baseline Project<br>- Spring Chinook Project<br>- Bull Trout Project<br><br># Biologists: 14 NRS | |

## ODFW East Region Fish Research Program

This fish research program implements Research, Monitoring, and Evaluation (RM&E) activities on salmonid fish species through the following Plans, Treaties, or other agreements:

- Endangered Species Act Recovery Plans
- ODFW Conservation Plans
- Biological Opinions
- Hatchery Genetic Management Plans
- Co-management Agreements

The following table summarizes the major geographic-based plans that direct our RME activities and the species our biologists study.

| Plan Name | Principal Fish Species |
|---|---|
| Lower Columbia River Conservation and Recovery Plan (LCR) | coho, Chinook, steelhead |
| Middle Columbia River Steelhead Recovery Plan | steelhead |
| Snake River Spring-Summer Salmon & Steelhead Recovery Plan | Chinook, steelhead |
| Willamette Project Biological Opinion (BiOp) | Chinook, steelhead |
| Federal Columbia River Power System BiOp | Chinook, steelhead |
| US v Oregon & Columbia River Harvest BiOp | Chinook, steelhead |

There are currently 10 main projects administered by the seven offices of the East Region Fish Research Program, with most of the biologists located at the La Grande Research Office. All of the RM&E projects vary in their independence but share many resources and field staff, and coordinate RM&E information needs with fishery managers, not only within ODFW but also with other state, tribal, and Federal agencies. Key information from the programs includes natural production population status, trends, distribution, habitat, as well as hatchery status and trend. Data generated from these projects are also used in other state natural resource forums such as those involving ODEQ, ODF, ODA, OWRD, and others.

The majority of our biologists are involved in coordinating and implementing field and hatchery research and monitoring, which includes spawning and juvenile surveys, juvenile salmonid migrant monitoring, habitat & restoration monitoring, genetic monitoring, and hatchery effectiveness monitoring. Each year there is significant preseason preparation that includes hiring and training seasonal field staff, purchasing equipment, selecting sample sites, and adjusting

monitoring protocols. Since many of the survey sites are located in working landscapes, our biologists coordinate with landowners and co-managers to seek permission to access streams. Some of our upper-level biologists are subject area specialists and analysts who produce reports, perform reviews, and conduct data analyses.

The following table summarizes the major programs involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Umatilla Salmonid Life History & Survival** | |
| This project monitors adult steelhead populations on their spawning grounds and juvenile steelhead and salmon survival with the objective to assess their status in the Umatilla River basin.<br><br># Biologists: 3 NRS2, 1 SFWB | • Biological Performance Reporting<br>  • Annual Population Status estimates of spawners.<br>  • supports long-term Productivity Trend Analysis to evaluate effectiveness of regulatory protections and habitat enhancement investments<br>• 4H Listing Factor/Threat Reduction Assessment<br>  • Hatchery: pHOS annual estimate<br>  • supports HGMP reporting<br>  • supports pHOS Reduction Effectiveness Analyses |
| **Grande Ronde Salmonid Life History** | |
| This project uses fish trapping and telemetry to monitor metrics of life history and productivity of salmon and steelhead. There are three objectives in these watersheds: 1) estimate abundance of adult salmonids and downstream migrating juvenile salmonids, 2) estimate marine and freshwater survival rates 3) evaluate effects of habitat modification on the abundance of juvenile salmonids.<br><br># Biologists: 2 SFWB, 4 NRS2, 2 NRS1 | • Biological Performance Reporting<br>  • Annual survival estimates of spawners and juveniles.<br>  • Supports long-term Productivity Trend Analysis to evaluate effectiveness of regulatory protections and habitat enhancement investments.<br>  • Supports estimation of juvenile migration survival in freshwater rearing habitat and migration corridor. |
| **Lower Snake River Evaluation Studies** | |
| This project is evaluating the effectiveness of hatchery mitigation strategies for the Oregon portion of the Lower Snake River. The project is evaluating survival of released hatchery stocks and effectiveness of | • Biological Performance Reporting<br>  • Hatchery Rearing Factors<br>  • Habitat Factors<br>  • FCRPS Factors<br>• Harvest reporting<br>  • Creel rates |

| | |
|---|---|
| supplementation of natural populations of salmon.<br><br># Biologists: 2 SFWB, 3 NRS2 | • Fisheries vulnerability |
| **Lower Grande Ronde, Snake River, Comparative Survival Studies** | |
| The overall goal of this program is to estimate abundance and survival of juvenile salmon as they migrate through the FCRPS hydropower system. This project conducts tagging programs on both wild and hatchery populations.<br><br># Biologists: 1 SFWB, 3 NRS2 | • Biological Performance Research and Reporting<br>• These data are used in both state and regional fisheries management decisions.<br>• These data are used for management decisions concerning hydropower operation.<br>• Mortality sources and effects; dam passage, predation. |
| **John Day Salmonid Life Cycle Monitoring** | |
| This project uses fish trapping, spawner surveys, and telemetry to monitor metrics of life history and productivity of salmon and steelhead. There are three objectives in these watersheds: 1) estimate abundance of adult salmonids and downstream migrating juvenile salmonids, 2) estimate marine and freshwater survival rates 3) evaluate effectiveness of habitat restoration.<br><br># Biologists: 2 SFWB, 3 NRS2, 3 NRS1 | • Biological Performance Reporting<br>  • Annual survival estimates of spawners and juveniles.<br>  • Supports long-term Productivity Trend Analysis to evaluate effectiveness of regulatory protections and habitat enhancement investments.<br>  • Supports estimation of juvenile migration survival in freshwater rearing habitat and migration corridor. |
| **Fifteenmile Creek Steelhead Monitoring** | |
| This project uses fish trapping and tagging to monitor metrics of life history and productivity of steelhead. The main objective is to estimate the number of adults escaping into the basin and the number of juveniles produced from these spawning adults.<br><br># Biologists: .5 NRS3, 2 NRS2 | • Biological Performance Reporting<br>  • Annual Population Status estimates of spawners.<br>  • Supports long-term Productivity Trend Analysis to evaluate effectiveness of regulatory protections and habitat enhancement investments.<br>• 4H Listing Factor/Threat Reduction Assessment<br>  • Hatchery: pHOS annual estimate. |

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| **Deschutes Steelhead Stray Study** | |
| This project evaluates the effects of hatchery steelhead strays on natural production by wild steelhead populations.<br><br># Biologists: 1 NRS3, 2 NRS2 | • Biological Performance Reporting<br>  • Annual Population Status estimates of spawners.<br>  • supports long-term Productivity Trend Analysis to evaluate effectiveness of regulatory operations<br>• 4H Listing Factor/Threat Reduction Assessment<br>  • Hatchery: pHOS annual estimate<br>  • Hatchery: genetic introgression |
| **Willamette PIT Interrogation Development** | |
| This project installs PIT tag interrogation systems at Willamette River dams to support survival and abundance estimates of salmon and steelhead migrating through the river system<br><br># Biologists: .5 NRS3, 1 NRS1 | • Biological Performance Reporting<br>  • Annual Population Status estimates of migrating fish<br>  • supports long-tern Productivity Trend Analysis to evaluate effectiveness of regulatory protection investments |
| **Hood River Production Studies** | |
| This project evaluates the production by wild populations of salmon and steelhead in the Hood River basin. This includes the evaluating the effectiveness of hatchery releases on productivity and harvest opportunities.<br><br># Biologists: 1 SFWB, 1 NRS2, 1 NRS1 | • Biological Performance Reporting<br>  • Annual Population Status estimates of spawners.<br>  • Supports long-term Productivity Trend Analysis to evaluate effectiveness of regulatory protections and habitat enhancement investments.<br>• 4H Listing Factor/Threat Reduction Assessment<br>• Harvest reporting<br>  • Creel rates<br>  • Fisheries vulnerability |
| **John Day River Intensively Monitored Watershed** | |
| This project is a collaborative effort with many agencies to evaluate, at the salmon and steelhead population level, the effectiveness of habitat restoration actions.<br><br># Biologists: 1 SFWB, 1 NRS2 | • Biological Performance Reporting<br>  • Annual Population Status estimates of spawners.<br>  • Annual productivity of freshwater habitat.<br>  • Supports long-term Productivity Trend Analysis to evaluate effectiveness of regulatory operations and restoration actions. |

## ODFW East Region Fish Habitat Program

This fish habitat improvement program implements fish habitat improvement projects to mitigate for anadromous fish losses due to the construction and operation of the Columbia River and Snake River dams. The following table summarizes the major geographic-based plans that direct our habitat improvement activities and the species our biologists study.

| Plan Name | Principal Fish Species |
|---|---|
| Oregon Native Fish Conservation Policy | Chinook, steelhead, bull trout |
| Oregon Plan for Salmon and Watersheds | Chinook, steelhead, bull trout |
| Middle Columbia River Steelhead Recovery Plan | steelhead |
| Snake River Spring-Summer Salmon & Steelhead Recovery Plan | Chinook, steelhead |
| Federal Columbia River Power System BiOp | Chinook, steelhead |
| US v Oregon & Columbia River Harvest BiOp | Chinook, steelhead |
| Bull Trout Recovery Plan | Bull trout |

There are currently five main projects administered by the East Region Fish Habitat Program with programs in La Grande, Pendleton, John Day, and The Dalles offices. All five programs are funded by the Bonneville Power Administration (BPA) and are primarily focused on habitat enhancement. Each program is responsible for fish habitat enhancement activities associated with impacts to specific stocks of anadromous fish because of dam construction and inundation of the Columbia River and lower Snake River systems.

Fish Habitat Biologists are employed by the Oregon Department of Fish and Wildlife to work with private landowners and public land managers to craft stream habitat solutions, which enhance fish habitat and passage while meeting the needs of an affected landowner. Biologists in these positions need to have a detailed understanding of stream morphology and hydrology, water hydraulics, fish habitat and life history needs, contracting, construction, large equipment operation, waterway alteration regulations and permitting, grant writing, and funding entity limitations. Personnel working in these positions often will develop projects with multiple partners and funding sources to cooperatively accomplish fish habitat enhancement on private and public land in priority areas.

The following table summarizes the major programs involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Umatilla Anadromous Fish Habitat Improvement Project** | |
| This project enhances and maintains fish habitat on the Umatilla River and its tributaries for anadromous species such as summer steelhead, salmon, and bull trout. The project is currently funded by federal | • Maintain current riparian and stream project/leases.<br>• Work with private landowners to improve riparian habitat and stream channel on their properties. |

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| dollars through the Bonneville Power Administration and focuses on riparian habitat, fish passage, and stream channel improvement.<br># Biologists: 1 NRS2 | • Remove passage barriers on both the main stem Umatilla River and its tributaries. |
| **Grande Ronde Fish Habitat Program** | |
| This program enhances and maintains fish habitat in the Grande Ronde River and its tributaries for all fish species with a focus on listed spring/summer Chinook and listed steelhead. Current priority areas are focused on the most troubled areas of Catherine Creek and the Upper Grande Ronde River. The project is funded by federal dollars through the Bonneville Power Administration and focuses on restoring instream habitat, hydrologic function, and riparian habitat.<br><br># Biologists: 1 SFWB, 1 NRS2 | • Redesign river channels to restore sinuosity and access to historic flood plains.<br>• Restore historic instream habitat features such as large woody debris, scour pools, and large boulders.<br>• Work cooperatively with private and public landowners, tribal nations, Soil and Water Conservation Districts, Grande Ronde Model Watershed, and other partners.<br>• Installs and maintains riparian protection fences. |
| **John Day Anadromous Fish Habitat Improvement Project** | |
| This project enhances and maintains fish habitat on the John Day River and its tributaries for anadromous species such as summer steelhead and salmon as well as bull trout. The project is currently funded by federal dollars through the Bonneville Power Administration and focuses on riparian habitat, fish passage, and hydrologic function.<br><br># Biologists: 1 NRS2 | • Installs and maintains riparian protection fences.<br>• Work cooperatively with private and public landowners, tribal nations, Soil and Water. Conservation Districts, Grande Ronde Model Watershed, and other partners.<br>• Restore historic instream habitat features such as large woody debris, scour pools, and large boulders. |
| **Fifteenmile Anadromous Fish Habitat Improvement Project** | |
| The primary function of this project is to protect, enhance, and maintain fish habitat in the Fifteenmile Creek Subbasin; the project also monitors basin fish production. Focal species | • Work with private landowners on riparian protection and maintenance of riparian conservation leases.<br>• Remove and restore passage at artificial barriers. |

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| for the project are Mid-Columbia steelhead, resident trout, and Pacific lamprey. The Bonneville Power Administration funds the project.<br><br># Biologists: 1 NRS2 | • Construct instream, floodplain, and riparian restoration where deficiencies exist throughout the basin.<br>• Generate estimates of basin-wide steelhead out-migrant abundance. |
| **Trout Creek Anadromous Fish Habitat Improvement Project** | |
| The primary function of this project is to restore, enhance, protect, and maintain fish habitat in the Trout Creek Subbasin. Focal species for the project are Mid-Columbia steelhead and resident trout. The project monitors basin fish production and steelhead spawner abundance. The Bonneville Power Administration primarily funds the project, although the project leverages match funding from a variety of other sources.<br><br># Biologists: 1 NRS3 | • Removed artificial berms and restored stream channel function.<br>• Reconstructed, realigned channel, and reconnected floodplains on approximately 13 miles of stream.<br>• Work with private and federal landowners on riparian protection and maintenance of riparian protection fences.<br>• Generated estimates of basin-wide steelhead out-migrant abundance.<br>• Estimated steelhead spawner abundance. |

## ODFW Conservation and Recovery Program

The Conservation and Recovery Program in Fish Division includes five projects: **Aquatic Inventories, Native Fish Investigations, Endangered Species Act, Research and Development, and Conservation**. These projects primarily focus on activities and efforts intended to understand, conserve, and recover Oregon's native fish and their habitats. Biologists in these projects have a mixture of funding, including State funds (general funds and lottery funds), PCSRF, and federal funds. Some biologists are funded with two or three of these funds to cover the range of work that they do.

The following table summarizes the major programs involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Aquatic Inventories** | |
| **Aquatic Inventory** biologists conduct aquatic habitat surveys across the state, but primarily on the coast and in the Lower Columbia to monitor the changes in fish habitat. This information informs state and Federal Endangered Species Act decisions (listings or de-listings), and helps prioritize where restoration work is needed.<br><br># Biologists: 1 SFWB, 3 NRS-2, 1 NRS-1 | • Stream habitat throughout the Lower Columbia, Oregon Coast, Southern Oregon-Northern California Coasts ESUs and select basins around the state will be inventoried.<br>• This information will be shared with NOAA Fisheries to inform their delisting decisions and habitat protection and restoration biologists and watershed counculs to inform the work they do. |
| **Native Fish Investigations** | |
| **Native Fish Investigations** biologists provide scientific support to field biologists, implement applied research, and conduct monitoring related to non-anadromous native fish species throughout Oregon. This work helps guide management, provides better understanding of our native fishes, and provides information used in determining status. Biologists in this program were instrumental in conducting | • Information on Oregon's non-anadromous native fishes will be gathered and shared with local biologists and co-managers to inform management decisions. |

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| research and monitoring that led to the de-listing of Oregon chub.<br><br># Biologists: 1 NRS-4 (Supv.), 2 NRS-3, 2 NRS-2, 2 NRS-1 | |
| **Endangered Species Act** | |
| **Endangered Species Act** biologists permit scientific, education, and rescue activities within Oregon and work as liaisons with National Marine Fisheries Service and US Fish and Wildlife Service to provide legal coverage for any type of work that may impact ESA-listed fish throughout the state. Entities in both the public and private sector interact with these biologists to acquire the necessary permits to conduct a broad range of activities.<br><br># Biologists: 3 NRS-3 | • Review and oversight of research and educational activities will ensure impacts to listed fish are minimized, while allowing this important work to move forward.<br>• Regular coordination between ODFW and federal co-managers will occur to guarantee concurrence on management issues and recovery of species. |
| **Research and Development (REDD)** | |
| **Research and Development** biologists are responsible for assessing the status and guiding information needs for native fish species within Oregon. They are currently working to develop monitoring techniques and technologies that are intended to allow ODFW to efficiently monitor the status of most native fishes within current budget constraints. These biologists are at the forefront of new technologies such as E-DNA, where water samples may one day be able to be used to determine what species are present and in what abundances.<br><br># Biologists: 2 NRS-4, 2 NRS-3, 2 NRS-2, 1 NRS-1 | • Sophisticated status assessments will be conducted for native fish species.<br>• New, more effective and efficient monitoring techniques will be developed to provide information regarding the status of more native populations of fish in Oregon than is currently available. |

| **Conservation** | |
|---|---|
| **Conservation** biologists are working cooperatively with other entities (OWEB, watershed councils, federal agencies, tribes, SWCDs, ODFW staff and others) to implement conservation and recovery plans that are in place throughout the state. These biologists also provide policy guidance to ODFW staff and others to ensure the mission of ODFW is achieved.<br><br># Biologists: 1 NRS-4, 1 NRS-3 | • Conservation and recovery plans will be effectively implemented throughout Oregon, which will improve the status of the target species.<br>• Native fish conservation needs and issues will be communicated within ODFW and to partners and stakeholders. |

## ODFW Recreational Fisheries Program

The Recreational Fisheries Management Section directs the management of freshwater gamefish populations (excluding salmon and sturgeon) in Oregon, provides coordination and administrative oversight of the Salmon and Trout Enhancement Program (STEP) and Restoration and Enhancement (R&E), and provides technical services to District Fishery Managers. The program identifies and prioritizes information needs; develops and promotes the use of modern data collection and analysis techniques; promotes the use of technology that will benefit ODFW; develops and provides consistent, accessible, high-quality information facilitating the synthesis and transfer of scientific information into management recommendations; develops and promotes a multidisciplinary approach to fish management; and improves the science and technology training within ODFW. The information and actions provided by this position are essential for accomplishing ODFW's mission.

The following table summarizes the major programs involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Restoration and Enhancement and Salmon Trout Enhancement Program** | |
| Administer, coordinate, and implement statewide activities related to the Fish Restoration and Enhancement (R&E) Program and the Salmon and Trout Enhancement Program (STEP). | • Responsible for developing and implementing the state's Salmon Trout Enhancement (STEP) and Restoration and Enhancement (R&E) Programs. This program fulfills the state's statutory obligation to provide opportunities for public involvement in the management of salmon and trout and disperse angler fees to fishery improvement projects. The primary purpose of this position is to provide technical assistance for grants, volunteer projects, program administration, and coordination for both the R&E and STEP Programs<br>• Responsible for the day to day administration of grant agreements, propagation approvals, policy development and implementation, and program representation with all volunteers, non-profit and sports groups, agency staff, and other partners statewide. The position promotes cooperation and participation from public agencies, citizens and interest groups to assess and improve fishing and fisheries.<br>• Responsible for overseeing the administration of awarded grants and STEP project approvals, and for the review of grant and project applications received from across the state and coordinating |

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| # Biologists: 1 permanent NRS-3 | agency efforts related to STEP education programs and STEP volunteer and propagation programs with partners throughout the state. The position coordinates technical assistance with local governments, watershed councils, soil and water conservation districts, sports groups, staff, volunteers, and other entities.<br>• Lead the implementation of components of the 25 year Recreational Angling Enhancement Plan through STEP and R&E projects. |
| **Fisheries Biometrician** | |
| Provide highly complex and technical statistical services for fisheries management, fisheries surveys, and other data collection and analysis activities in ODFW.<br><br># Biologists: 1 permanent NRS-4 | • Responsible for project management including development of plans and leading and implementing special projects related to statistical analysis of fisheries management issues.<br>• Provide specialized technical and statistical support services to fishery research and management staff. Advises, assists, and monitors research and management staff on proper statistical approaches to investigate statewide fisheries problems.<br>• Implements program operations including creel surveys. Plans, monitors, and provides data analysis for creel and angler surveys designed for District fishery managers to monitor trends in angler use, harvest, and other fishery and social related questions.<br>• Conducts independent research of a statistical or mathematical nature to investigate and recommend resolution of statewide fisheries problems. Examples include estimation of parameters from mark-recapture population estimates, complex sample designs for stream surveys, simulation modeling, fish stock discrimination, and survival analysis. |
| **Statewide Warmwater/Recreational Fisheries Program** | |
| Coordinates the warmwater fishery objectives with district fish biologists across Oregon to plan, oversee, conduct, evaluate, and implement results of fishery | • Develops warmwater fish management policy and provides technical expertise on statewide issues.<br>• Responsible for collecting data, evaluating and setting up sample sites and schedules, acquiring and maintaining project supplies and equipment, |

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| investigation, angler surveys, and fishery development work.<br><br># Biologists:1 permanent NRS-3 1 permanent NRS-1 | coordinating with other department personnel, and training and assisting volunteers with field work.<br>• Conducts analysis of data and write summary and other technical reports that provides information and recommendations for staff, other fish and aquatic habitat managers, and the public. |

## ODFW Fish Propagation

The Fish Propagation Administration programs oversee the production on 45 million fish annually. The program coordinates, permits, monitors, and assesses performance on fish released in the states water. Fish Health assessments on hatchery and wild fish are also part of the program.

The following tables summarize objectives and outcomes of Fish Propagation biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Fish Propagation staff biologist** | |
| This project administers state and federal fish hatcheries on the number and pound of fish released, adult returns, harvest, and fish performance. Other duties include environmental compliance with wild fish take, hatchery discharge, and water rights. Project also manages the fish propagation license and transfer program.<br><br># Biologists: 3 NRS3, 1 NRS1 | Specific tasks routinely include:<br>• Annual Production Reporting<br>• Production planning<br>• Number and pounds of fish released by species<br>• Hatchery Genetic Management Plans<br>• Hatchery discharge permits (NPDES)<br>• Water Right Reporting<br>• Coded Wire state and Northwest Regional database<br>• Coded Wire tag recoveries<br>• Assessment on smolt-to-adult returns and harvest |
| **Fish Health Specialists** | |
| This project operates three labs. Labs are located in Corvallis, Madras, and La Grande.<br><br># Biologists: 5 NRS3 | The outcome of the program screens adults for culturable viruses, bacterial kidney disease (BKD), reportable bacteria, and parasites. Complete monthly samples on and pre-release samples on all fish released or transferred in Oregon. Only healthy fish are released in Oregon. |

## ODFW Fish Screens and Passage

Biologists in the Fish Screens and Passage Program administer Oregon's fish screens and passage programs as described in statute (ORS 498.306 & 509.585). The Oregon Department of Fish and Wildlife (ODFW) has a voluntary cost share program to assist the public with installation of these valuable projects to protect and recover fish populations throughout Oregon. Certain actions may also trigger requirements to protect fish through fish screening and passage improvements. This program has four NRS positions working out of the Salem office and three in field offices. Program staff is experienced in working with water users and barrier owners to protect native fish through the installation and operation of fish screens and passage projects. Staff is skilled assessing the value of potential projects based on fish habitat present and the needs of native migratory fish. Varieties of options are available to address fish screening and passage problems. Staff works with the public to develop the best option that meets the needs of both fish and the water user. Funding for these positions comes from a combination of Pacific Coast Salmon Recovery Funds, License Dollars, General Fund, and Oregon Department of Transportation.

One of the four Salem positions is dedicated to working with the Oregon Department of Transportation (ODOT). ODOT has approximately 35,000 culverts on the state highway system. This position is dedicated to working with ODOT to ensure the state highway system is managed consistent with Oregon's fish passage rules. This position represents ODFW in bringing ODOT related barriers into compliance with the needs of native migratory fish as ODOT continually maintains and upgrades its road system. This position must have a solid understanding of the biological needs of fish and have a specialized skill in understanding how road crossings function for both fish and traffic.

The following table summarizes the major programs involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Oregon Statewide Fish Screen Program** | |
| This project implements the State of Oregon Fish Screen Program. A voluntary cost share program, technical assistance, and requirements as described in new water rights all contribute to preventing the loss of fish at water diversions.<br><br># Biologists: 1 NRS 4 | • Prioritized implementation of fish screens at intakes statewide through a voluntary cost share program.<br>• Consistent approach to working with water users to screen intakes as required in applicable water rights. |
| **Oregon Statewide Fish Passage Program** | |
| This project implements the State of Oregon Fish Passage Program; a voluntary cost share program providing technical assistance when | • Prioritized implementation of fish passage projects statewide through a voluntary cost share program. |

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| fish passage is triggered as described in ORS 509.585.<br><br># Biologists: 1 NRS 4 and 1 NRS 3 | • Consistent enforcement to ensure fish passage is provided according to fish passage requirements when fish passage is triggered per ORS 509.585.<br>• Assist landowners to develop projects at fish passage barriers that meet the landowner's needs, while still allowing fish to migrate to valuable spawning and rearing habitat. |
| **ODFW/ODOT Fish Passage Program** | |
| This program helps ensure the Oregon Department of Transportation (ODOT) is able to manage the State Highway System and its numerous road crossings in a way that meets Oregon's travel and fish passage requirements.<br><br># Biologists: 1 NRS 4 | • Provide a dedicated resource to assist ODOT with installation and maintenance of culverts and bridges consistent with the State of Oregon Fish Passage Policy.<br>• Develop and Implement programmatic agreements to provide increased flexibility in maintaining stream crossings consistent with the needs of native migratory fish. |
| **Fish Screens and Passage Field Coordinators** | |
| This project assists with implementation of the State of Oregon Fish Screens and Passage Cost Share Program. Staff develops projects throughout Oregon from offices located in John Day, The Dalles, and Central Point.<br><br># Biologists: 3 NRS 1 | • Targeted outreach to work with the public in developing valuable fish screens and passage projects.<br>• Prepares and submits applications for cost share assistance on behalf of the landowner.<br>• Technical assistance to landowners to develop and inspect fish screens and passage projects. |

## ODFW Water Quality/Quantity Program

The Water Quality/Quantity Program (Water Program) provides expert advice and recommendation on many water issues that can directly or indirectly affect fish and wildlife. In many Oregon statutes and rules, the Oregon Department of Fish and Wildlife (ODFW) through the Water Program is directed to provide comments to the Oregon Water Resources Department regarding water use applications, permit extensions, or transfers of use.

The ODFW Water Program's role in vector control is to review and approve the use of pesticides used by Vector Control Districts or Counties in order to protect fish, wildlife, and their habitats. The Water Program is a required member of the Pesticide Analytical and Response Center board, which coordinates investigations to collect and analyze information about reported pesticide incidents.

The ODFW Water Program hydroelectric program leader is a required member of the state Hydroelectric Application Review Team and works closely with facilities operators, other agencies, tribes, and interest groups in licensing, relicensing, and implementation efforts. ODFW's hydropower program consists of one program leader, six regional hydropower coordinators, as well as several full time and seasonal implementation staff.

The following table summarizes the major program duties performed by our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Water Quality & Quantity Program (4FTE)** | |
| These positions also provide expertise on flow needs for fish and wildlife. They are responsible for evaluating and providing recommendations on water right applications, transfers and extensions for impacts on fish and wildlife and their habitat, the calculation of in-stream flow needs for in-stream water right applications, reviewing flows studies used to justify certain flows for the benefit of fish and wildlife, identifying needs for flow restoration, develop and defend in-stream flow protections and in-stream water right adjudications, and conducting new flow studies.<br><br>Water Policy Coordinator (NRS4), Instream Flow Specialist (NRS4) & Instream Flow Assistant (NRS2) | Provide expert advice and recommend on actions affecting water quality and quantity for the protection of fish, wildlife, and their habitats, to the public, other state and federal agencies, and local ODFW field staff.<br>Specific work areas include:<br>• State water right application recommendation<br>• Instream water right applications<br>• Flow and habitat studies<br>• Integrated water resource strategy<br>• Pesticide use plans & adverse incident prevention<br>• Responding to public inquiries<br>• State and federal agency coordination<br>• Coordination of field staff on water right applications and mitigation advice. |

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| **Water Quality & Quantity Program (hydro specific) (1 FTE)** | |
| This position is responsible for ensuring statewide consistency in evaluating and providing recommendations on hydroelectric licenses and re-authorizations for impacts on fish, wildlife, and their habitats. | Provide advice and recommend actions on hydroelectric licenses and reauthorizations for the protection of fish, wildlife, and their habitats. Specifically:<br>• Participates on the state Hydroelectric Application Review Team.<br>• Provides comments on regulatory licensing processes on hydroelectric facilities.<br>• Works closely with facilities operators, other agencies, tribes, and interest groups in re-licensing efforts.<br>• Coordinates field staff to ensure state consistency and timely filings in state and federal proceedings.<br>• Participates on state agency rules advisory committees. |

# Marine Resources Program

## ODFW Marine Resources Program

The Marine Resources Program (MRP) manages Oregon's public trust resources in the ocean and in the coastal estuaries, including fishery species and other natural resources. These activities and functions fall into three main categories: fishery monitoring (commercial and sport), research and assessment of the population health or status of fishery species and other marine resources, and fishery management (commercial and sport). The NRS series biologists (NRS1-4, SFWB) perform the core program work to provide sustainable fisheries and marine resource management. Funding for these functions come primarily from Other Fund (Commercial Fish Fund, Recreational Shellfish Fund) and Federal Fund (from a variety of sources that support federally-managed fisheries and data collection); the Program also has some General Fund to support legislatively-mandated program elements.

**Fishery monitoring biologists** (NRS1-3, SFWB) directly collect information on the amount and type of fish and shellfish landed by Oregon's commercial and sport fisheries (at over a dozen ports and marinas statewide) and supervise teams of seasonal samplers during peak harvest seasons. Biologists collect data including species landed, information about the fishing trips, and biological information about the fish and shellfish. Fishery monitoring staff provide these data, vital to support fishery stock assessments and harvest, to fishery management staff within ODFW as well as across the West Coast region.

**Research and assessment biologists** (NRS1-4, SFWB) assess the health of marine species populations by collecting data in the field to survey fish and shellfish population sizes, as well as manage predation pressure of marine mammals and birds on ESA-listed salmonids and sturgeons. Population assessments focus on species important to fisheries and stock assessors combine these research data with fishery monitoring data to develop accurate estimates of fishery stocks and the amount of harvest allowable to maintain healthy populations. Accurate stock assessments allow managers to maximize the amount of fish and shellfish available for harvest, while ensuring long-term sustainability.

**Fishery management biologists** (NRS2-4, SFWB) develop measures and actions that are ultimately presented to decision-makers for regulatory action. Biologists work at the state level with Oregon Fish and Wildlife Commission and at the regional level with the Pacific Fishery Management Council to develop regulations and sustainability measures for both state and federally managed marine species, analyze fishery data to determine appropriate harvest levels, develop management measures to ensure fishery sustainability, conduct public input processes to gain stakeholder input on fishery regulations, track fishery progress (attainment) and initiate in-season management changes as needed. Staff biologists (NRS1-4, SFWB) work with the full variety of Oregon's ocean fisheries including commercial and recreational groundfish, crab,

halibut, albacore, salmon, clam, and many others. These fisheries bring in about 100 different species of fish and shellfish and commercial fisheries contribute over $500 million to Oregon's economy.

The following table summarizes the major programs involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Fishery Monitoring** | |
| Biologists doing this work collect and summarize technical information on the amount and type of fish (groundfish, salmon, other finfish) and shellfish landed by Oregon's commercial and sport fisheries (at over a dozen ports and marinas statewide), work with fishery harvesters, and supervise teams of permanent samplers and seasonal samplers during peak harvest periods.<br><br># Biologists: 20 (5 NRS1; 10 NRS2; 2 NRS3; 1 NRS4; 2 SFWB) | • Harvested species monitoring data<br>• Representative information on all harvested species landed into Oregon's coastal and estuarine ports;<br>• Refined data, summarized and managed; shared with public, and state and regional fishery management partners for fishery management purposes (through Pacific States Marine Fisheries Commission databases/access);<br>• Data provide the basis for state and fishery management regulations for both in-season and long-term sustainable management;<br>• Species include: crab, clams, shrimp, groundfish, albacore, salmon, sardines, urchins, and other species.<br>• Harvester interaction and engagement<br>• Port biologist samplers are ODFW's 1st point of contact with many fishermen for regulatory and resource questions. |
| **Research and Assessment** | |
| Biologists doing this work assess the health of marine species populations by collecting data in the field to survey fish and shellfish population sizes, as well as manage predation pressure of marine mammals and birds on ESA-listed salmonids and sturgeons.<br><br># Biologists: 24 (5 NRS1; 7 NRS2; 8 NRS3; 2 NRS4; 2 SFWB) | • Marine mammal population assessment; predation control in the Columbia/Willamette River systems<br>• Nearshore species biology, age, growth, distribution<br>• Fishery gear bycatch reduction research<br>• Shellfish & Estuary Assessments<br>• Marine Reserves Program<br>• Socioeconomic and ecological assessments<br>• Marine Habitat Assessments<br>• Data collected provide basis for marine fisheries and natural resource management |

| **Fishery Management** | |
|---|---|
| Biologists doing this work develop measures and actions that are ultimately presented to decision-makers for regulatory action.<br><br># Biologists: 10 (3 NRS2; 6 NRS3; 1 NRS4) | • State Fishery Management<br>  • OR Administrative Rules<br>  • In-season management<br>  • Public input on fishery season structure<br>  • Limited entry fishery program administration<br>  • Tri-State management of Dungeness Crab<br>• Federal/Regional Fishery Management<br>  • Federal regulations for species in Pacific Fisheries Management Council (PFMC) Fishery Management Plans (FMPs)<br>  • In-season quota management for many species<br>  • Harvest agreements across region and international borders (e.g. International Pacific Halibut Commission) |

# Wildlife

## ODFW West Region Districts

Most of ODFW's West Region Watershed Districts are comprised of two wildlife districts with a) District Wildlife Biologist (Supervisory Fish and Wildlife Biologist (SFWB)) stationed at one office and a non-supervisory District Wildlife Biologist (Natural Resource Specialist 3 (NRS 3)) stationed at the other. There are two to four Assistant District Wildlife Biologists (NRS 2) in each Watershed and are distributed amongst the district offices based on workload. These biologist teams serve as the primary contact for the public for a wide variety of wildlife related issues including wildlife management, wildlife related recreation, wildlife conflict, and habitat. Depending on the size of the office and the availability of Management Services staff, the SFWB District Wildlife Biologists may also supervise non-biologist staff.

The general duties of district wildlife biologist staff include:

- *Wildlife Management* – Prepare recommendations for local area hunting regulations, analyze survey data, check hunters in the field during hunting seasons, check-in and tag harvested wildlife, collect biological samples from wildlife, conduct disease investigations, and submit samples to the state wildlife veterinarian.
- *Wildlife Surveys* – Includes hunted wildlife such as waterfowl, upland game birds, deer, elk, forest grouse, wolves; and non-hunted wildlife including bats, western pond turtles, fisher, and marten.
- *Wildlife damage and nuisance* – Provide advice and/or necessary permits for public experiencing wildlife damage or nuisance from bear, cougar, deer, elk or other wildlife. As appropriate, refer public to Wildlife Control Operators, which are private businesses permitted to capture certain species of wildlife causing damage or nuisance.
- *Public Safety* - Phone and/or field investigation of public safety, typically bear or cougar related.
- *Inspection and permit testing of various facilities* – Includes falconry, wildlife rehabilitation, cervid ranches, holding facilities for cougars.
- *Research Assistance* – assist wildlife research staff with ongoing research projects occurring in the district.
- *Habitat* – Review and comment on federal land management projects and local land use processes. Provide advice to private landowners desiring to enhance wildlife habitat.
- *Recreation* – Assist landowner with the Landowner Preference program; manage travel management areas and other projects to improve or enhance hunter access opportunities; share hunting and wildlife viewing knowledge with recreationists.

The below table highlights notable projects completed by the Wildlife Districts within the West Region in addition to the general duties described above.

| Watershed District | Highlighted Duties |
|---|---|
| **North Coast Watershed District (NCWD)** | |
| District Offices: Tillamook, Newport<br><br>#Biologists: 1 SFWB; 1 NRS-3; 4 NRS-2 | • Assisting various communities with urban elk conflict issues.<br>• Working in conjunction with Oregon State University to assess the applicability of existing drone technology for conducting aerial surveys of elk. Goal is to reduce survey cost and reduce safety risks to employees. |
| **North Willamette Watershed District (NWWD)** | |
| District Offices: Clackamas, Sauvie Island<br><br>#Biologists: 1 SFWB; 3 NRS-2 | • Active partner on the Columbian White-tailed Deer Recovery Team for the Columbia River Distinct Population. Recovery efforts lead to a downlisting in 2016 from Endangered to Threatened under the federal Endangered Species Act.<br>• Capturing and radio collaring elk on the Mt. Hood National Forest to determine summer habitat use patterns. |
| **Rogue Watershed District (RWD)** | |
| District Offices: Central Point, Gold Beach<br><br>#Biologists: 1 SFWB; 3 NRS-2 | • Wolf management activities associated with the Rogue Pack including addressing livestock concerns and working with the Jackson. County Wolf Compensation Committee.<br>• Actively involved in forest carnivore management including work with fisher, ringtail, and marten. |
| **South Willamette Watershed District (SWWD)** | |
| District Offices: Adair, Springfield<br><br># Biologists: 1 SFWB; 1 NRS-3; 2 NRS-2; 0.5 NRS-1 | • Administer the Wildlife Habitat Conservation Management Program in Lane, Benton, and Polk Counties. Over 110 private landowners are enrolled in this property tax incentive program.<br>• Administer the Wendling Travel Management Area, an Access and Habitat Program funded project that provides hunter access to approximately 185 square miles of private timberland. |

| **Umpqua Watershed District (UWD)** | |
|---|---|
| District Offices: Roseburg, Charleston<br><br># Biologists: 1 SFWB; 1 NRS-3; 3 NRS-2 | • Establishment and management of the Coquille Wildlife Area, a nearly 600 acre property that provides hunting and non-hunting recreation in an area with limited non-fee access opportunities.<br>• Administering the E. Umpqua Cougar Target Area, a three year effort to reduce livestock conflict by removing cougars prior to livestock depredation occurring. This project involves extensive use of volunteers. |

## ODFW West Region Wildlife Habitat Programs

The West Region Habitat Biologists perform a variety of duties related to conservation and enhancement of wildlife habitat. They work extensively with private landowners to restore and enhance wildlife habitat and to promote hunter access opportunities through the Access and Habitat Program. They use partnerships with federal agencies to maximize the resources, such as monies and equipment, available to private landowners. The Willamette Wildlife Mitigation Program (WWMP) staff implements a settlement agreement with Bonneville Power Administration (BPA) related to their impacts to wildlife habitat from the federal Willamette Project dams. These biologists coordinate with private landowners, partner organizations, and BPA staff to protect and enhance wildlife habitat using federal funds available through the BPA.

The below table highlights notable projects completed by the Wildlife Habitat Programs within the West Region in addition to the general duties described above.

| Goals/Objectives | Outcomes |
|---|---|
| **Willamette Wildlife Mitigation Program** | |
| This program implements a settlement agreement with Bonneville Power Administration related to their impacts to wildlife habitat from the federal Willamette Project dams. The program aims to protect wildlife habitat in the Willamette Basin, and is federally funded.<br><br># Biologists: 1 NRS-3; 3 NRS-2 | • Coordinate annual solicitation for habitat protection projects in the Willamette Basin.<br>• Provide technical support to partner organizations in identifying, developing, managing, and monitoring habitat protection projects.<br>• Manage habitat protection, restoration, and stewardship projects on ODFW-owned properties purchased through the WWMP. |
| **South Willamette Watershed Habitat Program** | |
| The primary functions of this program are to manage ODFW owned Wildlife Areas, administer public hunting areas, and assist and inform private and public land habitat restoration and enhancement.<br><br># Biologists: 1 SFWB; 1 NRS-1 | • Oversee and provide support for the management of Fern Ridge Wildlife Area and E.E. Wilson Wildlife Area.<br>• Coordinate the Access and Habitat Program in the SWWD.<br>• Partner with private landowners and federal agencies to restore and enhance wildlife habitat on both private and public ownership in the Willamette Valley. |

| **Rogue Watershed Habitat Program** | |
|---|---|
| The primary functions of this program are to manage hunter access programs on private lands, assist and inform private and public land habitat restoration and enhancement.<br><br># Biologists: 1 NRS-2 | • Coordinate the Access and Habitat Program in southwest Oregon.<br>• Partner with private landowners and federal agencies to restore and enhance wildlife habitat on both private and public ownership. |

## ODFW West Region Wildlife Research Program

The West Region Wildlife Research Program conducts research and monitoring of Oregon wildlife species throughout western Oregon. This work fulfills ODFW Species Plans, Federal Contracts, and other cooperative agreements. All projects and personnel are funded using federal dollars (75%) and ODFW license dollars (25%).

The following table summarizes plans that our current research activities address and the species our biologists study.

| Current Plans that initiated Wildlife Research efforts | Principal Wildlife Species |
|---|---|
| Cougar Management Plan – ODFW | Cougar |
| Black-tailed Deer Management Plan – ODFW | Black-tailed deer |
| Elk Management Plan - ODFW | Elk |
| Oregon Conservation Plan - ODFW | Fisher |

There are currently six projects administered by the West Region Wildlife Research Program, with biologists located at Roseburg and Central Point. All projects share resources and field staff and coordinate information needs with wildlife managers and with other state and Federal agencies. Key information from the programs includes wildlife species population status, trends, distribution and information on habitat use.

The majority of our biologists are involved in coordinating and implementing field research and monitoring, which includes capture, marking, and tracking various wildlife species including cougar, bear, deer, and elk. Throughout the year there is significant effort in hiring and training seasonal field staff, purchasing equipment, selecting sample sites, and adjusting monitoring protocols. Since many of the survey sites are located in working landscapes, to successfully conduct these activities our biologists coordinate with landowners to seek permission to access their property. Some of our upper-level biologists are species specialists and analysts who produce reports, perform reviews, and conduct data analyses.

In general, our wildlife research biologists design and conduct wildlife research that will attain specific data needed to answer Wildlife Division management questions and objectives; develop a progressive and comprehensive program of biological research; design sampling schemes necessary to statistically validate findings using appropriate scientific procedures on specific species (black-tailed deer, mule deer, Columbian white-tailed deer, cougar, bear, elk); and provide information to the public and private land managers on wildlife habitat and wildlife species.

The following table summarizes the major programs involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **Black-tailed deer in western Oregon** | |
| The goal of this research is to document deer densities by landowner type using fecal DNA, and document biological parameters including habitat use, home range size, survival rates, and causes of mortality of radio-marked deer.<br>Potentially the method being developed and tested could replace historical survey methods.<br><br># Biologists: 2 NRS1, NRS2 (.5 FTE), SFWB (.6 FTE) | Documents biological parameters for black-tailed deer.<br>• Data used to establish harvest seasons and tag numbers.<br>• Data used to model population status.<br>• Data used to promote habitat enhancement.<br><br>Evaluates new method for surveying black-tailed deer.<br>• Data will provide population estimates for each Wildlife Management Unit (WMU).<br>• Data will allow establishment of hunting tag numbers.<br>• Technique may replace current method which is costly and time consuming.<br>• Research was requested by constituent groups and by the agency to fulfil data needs outlined in the Black-tailed Deer Management Plan. |
| **SUB-project A : Documenting black-tailed deer fawn mortality factors** | |
| The goal of this project is to document black-tailed deer fawn survival rates, causes of mortality, and habitat use.<br><br># Biologists: NRS2 (.5 FTE) | Document survival rates and causes of mortality of black-tailed deer fawns in federally owned property.<br>• Data will provide federal land managers with data on which habitats provide the best fawn survival.<br>• Data can be used in ODFW deer population models for agency management requirements. |
| **SUB-project B: Compositional habitat use of deer on forests in the Alsea and Indigo WMUs** | |
| The goal of this study is to document deer compositional habitat use in areas with large private ownership in response to potential deer damage to forest regeneration.<br><br># Biologists: SFWB (.1 FTE) oversees project | Document habitat use of GPS radio-marked deer in two western Oregon WMU.<br>• Data can be used in ODFW deer population models for agency management requirements.<br>• Data allows private timber companies knowledge of potential damage by deer populations. |

| **Elk density in western Oregon** | |
|---|---|
| The overall goal of this program is to use fecal DNA to document elk density in two western Oregon WMUs. The goals include an evaluation of whether elk can be surveyed simultaneously with black-tailed deer and evaluate if there are appropriate sample methods to document density by landowner type.<br><br># Biologists: SFWB (.1 FTE) oversees project | Documents biological parameters for elk.<br>• Data used to establish harvest seasons and tag numbers.<br>• Data used to model population status.<br>• Data used to promote habitat enhancement.<br>Evaluates new method for surveying elk.<br>• Data will provide population estimates for two WMU.<br>• Data will potentially allow development of new survey technique.<br>• Data fulfills data requirements of the ODFW Elk Mgt. Plan. |
| **Documenting fisher density, spatial distribution, and response to forest habitat manipulation in southern Oregon.** | |
| Goal of this study is to obtain density and spatial distribution data on fisher in southern Oregon.<br><br># Biologists: SFWB (.1 FTE) oversees project | Documents biological data for fisher populations in southern Oregon.<br>• Data may be used to evaluate federal listing of fisher.<br>• Data will be used for forest management practices to promote fisher.<br>• Data fulfills data requirements of the ODFW Conservation Plan. |
| **Documenting cougar density in an ODFW administrative removal area** | |
| Goal of this study is to obtain density and spatial distribution data on cougar in an ODFW administrative area and determine if there are deer reproductive responses to cougar removal.<br><br># Biologists: SFWB (.1 FTE) oversees project | Documents biological data for cougar populations in southern Oregon.<br>• Data may be used to evaluate success of cougar removal areas.<br>• Data fulfills data requirements of the ODFW Cougar Mgt. Plan. |

## ODFW East Wildlife Districts

Although there are some minor variations of the basic hierarchy, most eastern Oregon Wildlife Districts are comprised of a District Wildlife Biologist (NRS3) with at least one Assistant District Wildlife Biologist (NRS2). In some limited cases, an SFWB District Wildlife Biologist is stationed at one office supervises a non-supervisory NRS 3 District Wildlife Biologist stationed at the other.

In these combined districts, there are two or three Assistant District Wildlife Biologists (NRS2) in the Watershed and they are distributed amongst the district offices based on workload. These biologist teams serve as the primary contact for the public for a wide variety of wildlife related issues including wildlife management, wildlife related recreation, wildlife conflict, and habitat. Depending on the size of the office and the availability of Management Services staff, SFWB District Wildlife Biologists may also supervise non-biologist staff.

The general duties of district wildlife biologist staff include:

- *Wildlife Management* – Prepare recommendations for local area hunting regulations, analysis of survey data, check hunters in the field during hunting seasons, check-in and tag hunted wildlife, collect field samples of wildlife, conduct disease investigations and submit samples to the state wildlife veterinarian.
- *Wildlife Surveys* – Includes hunted wildlife such as waterfowl, upland game birds, deer, elk, forest grouse, bears, and cougars; and non-hunted endangered wildlife such as bats, western pond turtles, fisher, and wolves.
- *Wildlife damage and nuisance* – Provide advice and/or necessary permits for public experiencing wildlife damage or nuisance from bear, cougar, deer, elk or other wildlife. Implement damage relief programs such as hazing, physical barriers, habitat work, kill permits, damage tags, or emergency hunts to relieve damage occurring to private land resources or agricultural products. As appropriate and where available, refer public to Wildlife Control Operators, which are private business permitted to capture certain species of wildlife causing damage or nuisance.
- *Public Safety* – Phone and/or field investigation of public safety, typically bear or cougar related.
- *Inspection and permit testing of facilities* – Includes falconry, wildlife rehabilitation, cervid ranches, holding facilities for cougars.
- *Research Assistance* – Assist wildlife research staff with ongoing research projects occurring in the district.
- *Habitat* – Review and comment on federal land management projects and local land use processes. Provide advice and material support when available to private landowners

desiring to enhance wildlife habitat. Interact with developers and land use planning departments to make recommendations on development consistent with wildlife needs.

- *Recreation* – Assist landowner with the Landowner Preference program, manage travel management areas and other access and habitat projects to improve or enhance hunter access opportunities, share hunting and wildlife viewing knowledge with recreationists.
- *Education* – Deliver talks on various subjects associated with wildlife and wildlife management to sporting, conservation, civic, and landowner or agricultural interest organizations as well as schools during outdoor school and other educational opportunities where appropriate.

The following table summarizes the major programs involving our biologists.

| Watershed District | Highlighted Duties |
|---|---|
| **Baker Wildlife District** | |
| # Biologists: 1 SFWB and 1 NRS2 | • Sage-grouse Action Plan Implementation: Working with private landowners, public land managers, county government, and other partners to improve sage-grouse habitat and prevent a federal listing under the Endangered Species Act.<br>• Elk agriculture conflict: Providing tools to private landowners to address agricultural damage from elk populations that have built up on private land. |
| **Deschutes Wildlife District** | |
| # Biologist: 1SFWB, 1 NRS3, and 1 NRS 2 | • Mule Deer management.<br>• Human impacts to wildlife/wildlife habitat. |
| **Harney/Ontario Watershed District** | |
| # Biologists: 1 SFWB, 1NRS3, and 2 NRS2 | • Greater sage-grouse: District personnel spend a large amount of time on population monitoring, brood routes, season recommendations, and harvest aging through wing bees.<br>• Mule Deer: The Beulah and Malheur River Wildlife Management Units are part of the Mule Deer Initiative. Staff have spent significant time implementing survey protocols to model populations in these units in additional to monitoring collared deer movements. |

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| **Heppner Wildlife District** | |
| # Biologists: 1 NRS3 and 1 NRS2 | • Private land access programs: Heppner uses the UCAP, Access and Habitat, and regulated hunt area programs to provide ODFW administered access to several thousand acres of private land in Gilliam and Morrow Counties.<br>• Elk agriculture conflict: A large and growing elk population exists across the Heppner District, which requires ODFW interaction to develop damage relief activities. |
| **John Day Wildlife District** | |
| # Biologists: 1 NRS3 and 1 NRS2 | • Mule deer population and habitat enhancement: Mule deer are a significant focus of the local community in Grant County. District staff expend significant effort to enhance the conditions for mule deer in several units near John Day.<br>• Elk agriculture conflict: Providing tools to private landowners to address agricultural damage from elk populations that have built up on private land. |
| **Lakeview/Klamath Watershed District** | |
| # Biologists: 1 SFWB, 1 NRS3, and 2 NRS2 | • The watershed district has two of the eight Mule Deer Initiative Units in the state, Warner and Fort Rock. Work focuses on initiating and completing habitat improvement projects on both public and private lands, focused to improve mule deer habitat.<br>• Sage Grouse Initiative and Management Plan: Significant effort is expended by district staff conducting field surveys at various times of the year. In addition, considerable time is devoted to working with private landowners, public land managers, county government, and other partners to improve sage-grouse habitat and prevent a federal listing under the ESA.<br>• Habitat management and land use activities: Significant effort is allocated to working with private and public land managers as well as County Planning staff |

| | |
|---|---|
| | to improve landscape health, habitat function, and to ensure compliance with state statutes and County adopted rules relating to land development. |
| **Mid-Columbia (The Dalles) Wildlife District** | |
| # Biologists: 1 NRS3, 1 NRS2, 1NRS1 | • This district has a habitat enhancement focus with significant staff time associated with the management of the Lower Deschutes Wildlife Area.<br>• District staff also work with private and public land managers to enhance habitat for several species of wildlife on their lands. |
| **Ochoco Wildlife District** | |
| # Biologists: 1 NRS3 and 1 NRS2 | • Land use activities: Significant effort is allocated to working with private and public land managers as well as County Planning staff to improve landscape health, habitat function, and to ensure compliance with state statutes and County adopted rules relating to land development.<br>• Elk agriculture conflict: Providing tools to private landowners to address agricultural damage from elk populations that have built up on private land.<br>• Mule deer population and habitat enhancement: Mule deer are a significant focus of the local community in Grant County. District staff expend significant effort to enhance the conditions for mule deer in several units near John Day. |
| **Pendleton Wildlife District** | |
| # Biologists: 1 NRS3 and 1 NRS2 | • Wolf plan implementation: The district has no less than four wolf packs. Duties include advising landowners on nonlethal measures to prevent wolf conflict, conducting wolf management activities, investigating depredation reports, and working with the Umatilla County Wolf Depredation Committee.<br>• Elk agriculture conflict: The West slope of the Blue Mountains in Umatilla County is a destination wintering area for elk. The large movement of elk to Umatilla County causes significant damage to agricultural |

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| | resources. A large percentage of time is spent by district staff to craft and implement damage solutions for private landowners in the Wildlife District. |
| **Union Wildlife District** | |
| # Biologists: 1 NRS3 and 1 NRS2 | • Urban wildlife conflict: Assist city governments and urban landowners with problems caused by town deer populations, cougars, and other nuisance wildlife within the city limits.<br>• Wolf Plan Implementation: The district has no less than five wolf packs. Activities include monitoring wolf populations and conducting numerous livestock death investigations to determine if wolves were the cause of death.<br>• Elk agriculture conflict: Providing tools to private landowners to address agricultural damage from elk populations that have built up on private land and migrated to private land in the winter. |

## ODFW East Region Wildlife Access and Habitat Program

East Region Wildlife Habitat Biologists perform a variety of duties related to conservation, management, and protection of fish, wildlife, and the habitats they depend on. The work of these positions is largely focused on providing a suite of services to private landowners; however, they also work on federal land management issues. Responsibilities for these positions can include administration of Access and Habitat Program hunting access areas on private land, assisting private landowners with habitat improvement projects, providing supplies and technical assistance to agricultural producers experiencing economic loss from wildlife damage, reviewing federal land management actions for impacts to fish and wildlife, implementing the Wildlife Habitat Conservation and Management tax incentive program, reviewing impacts to fish and wildlife from industrial development, and many other issues that affect Oregon's fish and wildlife resources.

The following table summarizes the major geographic-based plans that direct our activities and the species our biologists study.

| Plan Name | Principal Wildlife Species |
|---|---|
| Greater Sage-grouse Conservation Strategy and Assessment | Sage-grouse |
| Oregon Conservation Strategy | Numerous |
| Mule Deer Management Plan | Mule Deer |
| Elk Management Plan | Elk |
| Bear Management Plan | Bear |
| Bighorn Sheep and Rocky Mountain Goat Management Plan | Bighorn Sheep |
| Wild Turkey Management Plan | Turkey |
| Various ODFW Wildlife Area Management Plans | Numerous |

The following table summarizes the major programs involving our biologists.

| Goals/Objectives | Outcomes |
|---|---|
| **La Grande Wildlife Access and Habitat Program** | |
| The primary functions of this program are to assist private landowners with habitat improvement projects and wildlife damage situations, manage public hunting areas on participating private land, and review and inform public land management actions for impacts to wildlife.<br><br># Biologists: 1 NRS-3 | • Management of >400,000 acres of private land "Welcome to Hunt" access areas enrolled in the Access and Habitat Program.<br>• Implementation of invasive weed treatments on private land in sage-grouse core habitat.<br>• Assist private landowners with significant elk damage to private land agriculture. |

| **Ontario Wildlife Access and Habitat Program** | |
|---|---|
| The primary functions of this program are to manage ODFW owned wildlife areas, administer public hunting areas, and assist and inform private and public land habitat management actions.<br><br># Biologists: 1 NRS-3, .5 NRS-1 | • Implementation of sage-grouse habitat restoration in previously burned areas.<br>• Mule deer habitat enhancement projects in Mule Deer Initiative Areas in the Steens Mountain and Beulah Units.<br>• Habitat management on dispersed ODFW Wildlife Areas throughout Southeast Oregon.<br>• Management of private land "Welcome to Hunt" access areas enrolled in the Access and Habitat Program. |
| **Bend Wildlife Access and Habitat Program** | |
| The primary functions of this program are to review private land use actions for impacts to wildlife habitat, review public land management actions, implement the Wildlife Habitat Conservation and Management Program, arrange volunteers for the Adopt-a-Guzzler Program, and implement Access and Habitat Program hunting and travel management areas.<br><br># Biologists: 2 NRS-3 | • WHCMP in Deschutes County (85 private landowners, 3,400 acres enrolled).<br>• Implement >650,000 acres of projects enrolled in the Access and Habitat Program.<br>• Reviewing a proposed OHV area throughout a 300,000 acre project area on the Ochoco National Forest that will designate 135 miles of motorized OHV routes and have significant impact on wildlife resources.<br>• Developing mitigation recommendations for a 144-acre gravel pit this is being proposed in sage-grouse habitat in Deschutes County. |

## ODFW East Region Wildlife Research Program

The East Region Wildlife Research Program conducts research and monitoring of Oregon wildlife species throughout eastern Oregon. This work fulfills ODFW Species Plans, Federal Contracts, and other cooperative agreements. ODFW projects and personnel are funded primarily using federal dollars (75%) and ODFW license dollars (25%). Partner funding from U.S. Forest Service, Oregon State University, and other partners help support our work.

The following table summarizes plans that our current research activities address and the species our scientist study.

| Current Plans that initiated Wildlife Research efforts | Principal Wildlife Species |
|---|---|
| Cougar Management Plan – ODFW | Cougar |
| Wolf Conservation and Management Plan – ODFW | Wolf |
| Deer Management Plan – ODFW | Mule Deer |
| Elk Management Plan - ODFW | Elk |
| Oregon Conservation Strategy - ODFW | Kit Fox; Strategy Habitats |
| Black Bear Management Plan – ODFW | Black Bear |

There are currently twelve projects administered by the East Region Wildlife Research Program, with biologists located in La Grande. All projects share resources and field staff and coordinate information needs with wildlife managers within ODFW and with other state and Federal agencies. Key information from the programs includes wildlife species habitat use, tools used to assess the impacts of forest management on key species, interactions between large carnivores and their impacts on prey species, factors influencing big game migration, and factors influencing the decline in mule deer populations.

The majority of our biologists are involved in coordinating and implementing field research and monitoring, which includes capture, marking, and tracking various wildlife species including cougar, bear, mule deer, elk, pronghorn, kit fox, coyote, and bobcat. Throughout the year there is significant effort in hiring and training seasonal field staff, purchasing equipment, selecting sample sites, and adjusting monitoring protocols. Our scientists publish peer reviewed reports, perform reviews, and conduct data analyses.

In general, our wildlife research biologists design and conduct wildlife research that will attain specific data needed to answer wildlife management questions and objectives; develop a progressive and comprehensive program of biological research; design sampling schemes necessary to statistically validate findings using appropriate scientific procedures on specific species; and provide information to the public and private land managers on wildlife habitat and wildlife species.

The following table summarizes the major programs involving our biologists.

(**# Biologists: 1 SFWB and 3 NRS-2)**

| Goals/Objectives | Outcomes |
|---|---|
| **Wolf-cougar interaction study** | |
| Identifies competitive interactions, predation rates, and prey selection for wolves and cougars in northeast Oregon. | This information will help identify the effects of wolves/cougars on deer and elk population dynamics in northeast Oregon. |
| **Starkey Experimental Forest carnivore study** | |
| Uses GPS collars and camera traps to determine densities, habitat use, and diet of coyotes, black bears, bobcats, and cougars inside and outside of the Starkey Experimental Forest. | The results of the research will provide information to managers on how carnivore interactions may affect deer and elk recruitment. |
| **Kit Fox habitat use study** | |
| Assess kit fox space use and home range in southeastern Oregon. | The results will inform the management and conservation of kit foxes. |
| **Western Oregon elk habitat selection model** | |
| Evaluates elk habitat use in western Oregon, including the influence of open roads and canopy cover on elk habitat use. | The results will create a tool to inform how forest management and motorized access management influences elk use of the western Oregon landscape. |
| **Blue Mountain elk resource selection** | |
| This project evaluates summer habitat use by Rocky Mountain elk in the Blue Mountains of northeastern Oregon. | Results of this study will be used in forest planning to identify core summer habitat and to predict effects of land management activities on distribution of elk. |
| **Southeast Oregon mule deer winter and summer resource selection** | |
| Evaluates winter and summer mule deer habitat in nine wildlife management units in south-central Oregon, using locations from >400 mule deer fitted with GPS collars 2005-2012. | Models built from this study will identify critical habitat and predict effects of management actions on core winter and summer fawn-rearing periods. |
| **Mule deer nutrition** | |
| Maps the nutritional landscape available to mule deer at Starkey Research Forest and evaluates whether deer are fully using the nutrition available to them or if they are not using habitat because of competition or predation risk. | The results from this study will provide insight into the causes of mule deer population declines in the region. |

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|---|---|
| **Fuels treatment effects on elk** | |
| Objectives are to quantify the magnitude and duration of forest fire effects on elk. Researchers are analyzing changes in elk behavior and demography following the implementation of controlled burns within Starkey Experimental Forest and Range from 2001-2003. | Results will inform the application of fire as a tool for managing deer and elk populations and their habitat. |
| **Starkey Experimental Forest ATV study** | |
| Examines the effects of ATV use by hunters on elk movement and habitat use, as well as the characteristics of successful elk and deer hunters. | Results from this research will be used to determine the impact of ATV traffic on elk, inform public land motorized access management decisions, and promote successful hunting practices. |
| **Fuels management effects on southeast Oregon mule deer** | |
| The project evaluates effects of understory burning on habitat use by mule deer in south-central Oregon. | Results of this study will evaluate possible negative effects of fuels management activities on mule deer habitat during critical migration periods. |
| **Mule deer survival and reproduction** | |
| Measures adult survival, body condition, and juvenile recruitment of mule deer at current elk densities in the Starkey Research Forest, and will track the same measures as elk density is reduced. | Results will inform mule deer management and provide insight into the effects of competition with elk. |
| **Pronghorn antelope migration corridors** | |
| Evaluates potential migration corridors of pronghorn in southeast Oregon to inform conservation efforts and manage development. | Results will inform conservation efforts and be useful in assessing impacts of development. |

**Attachment 3: Online task tracking information system output for field biologists.**

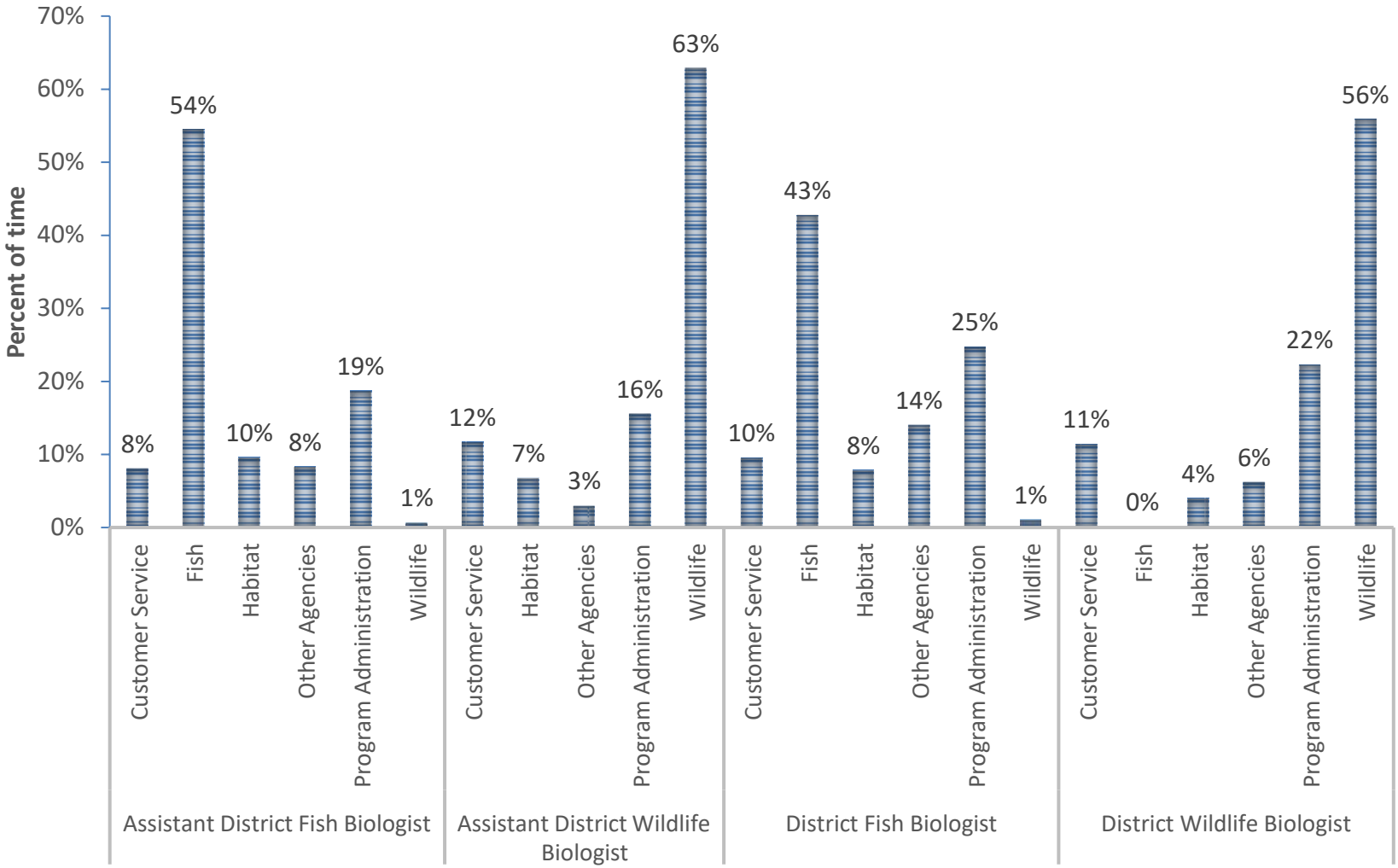


***Figure 1.*** The percentage of time Assistant District Biologists (Fish and Wildlife) and District Biologists (Fish and Wildlife) spent performing their core duties from November 1, 2016 to April 1, 2017.

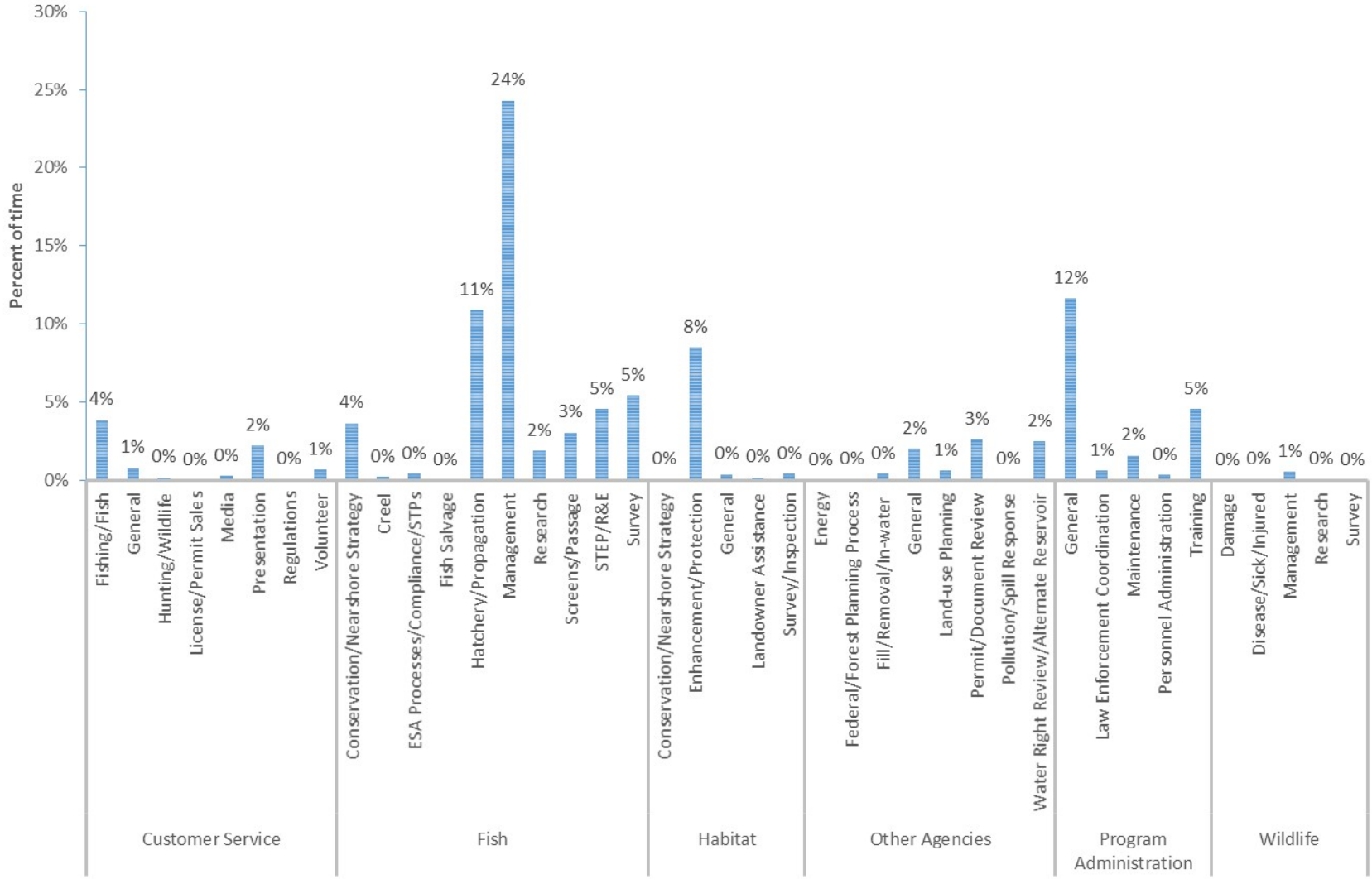


***Figure 2.*** The percentage of time Assistant District Fish Biologists spent performing various tasks associated with customer service, fish management, fish habitat, work with other agencies, program administration, and assisting wildlife programs from November 1, 2016 to April 1, 2017.

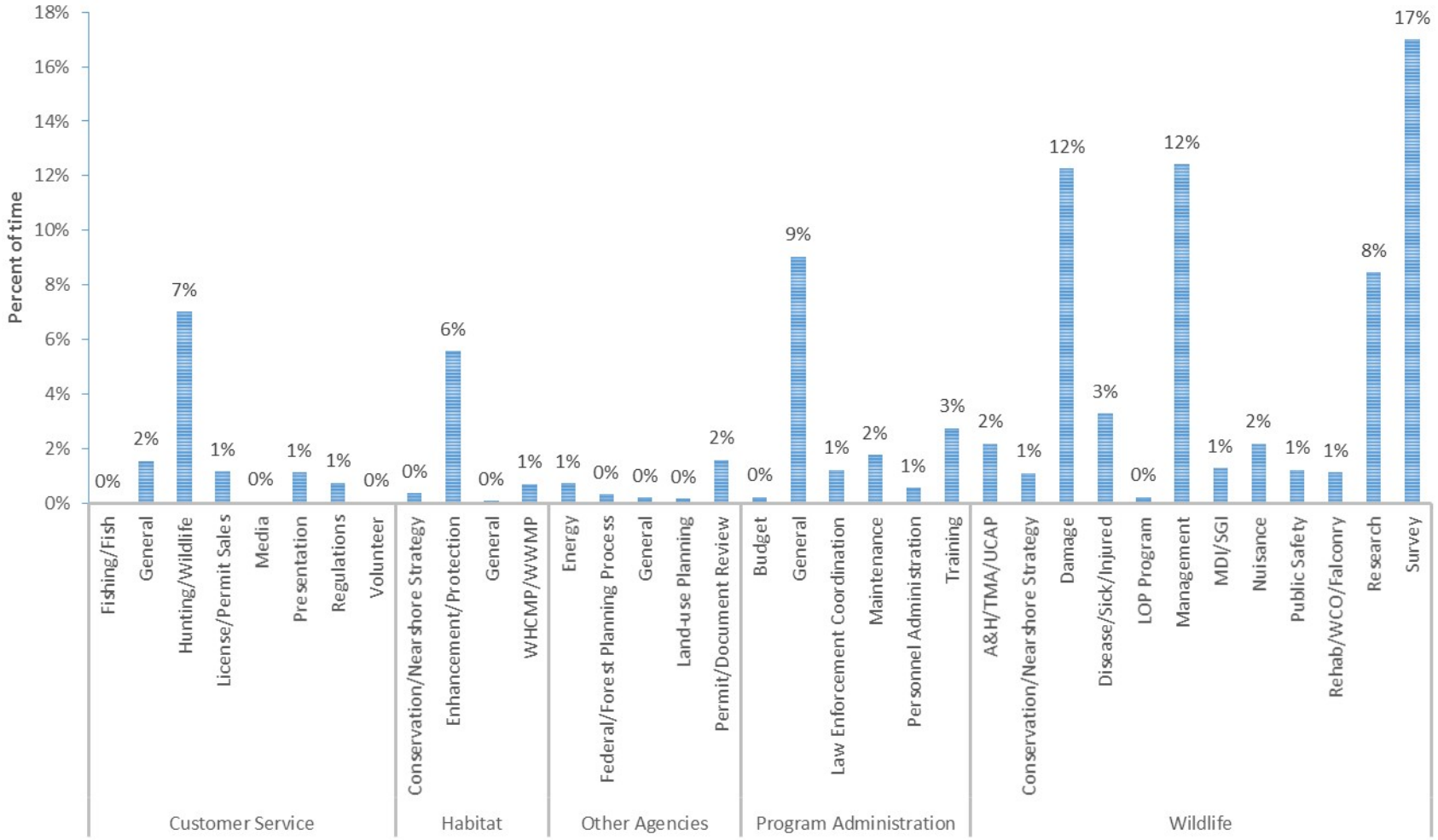


***Figure 3.*** The percentage of time Assistant District Wildlife Biologists spent performing various tasks associated with customer service, wildlife habitat, work with other agencies, program administration, and wildlife management activities from November 1, 2016 to April 1, 2017.

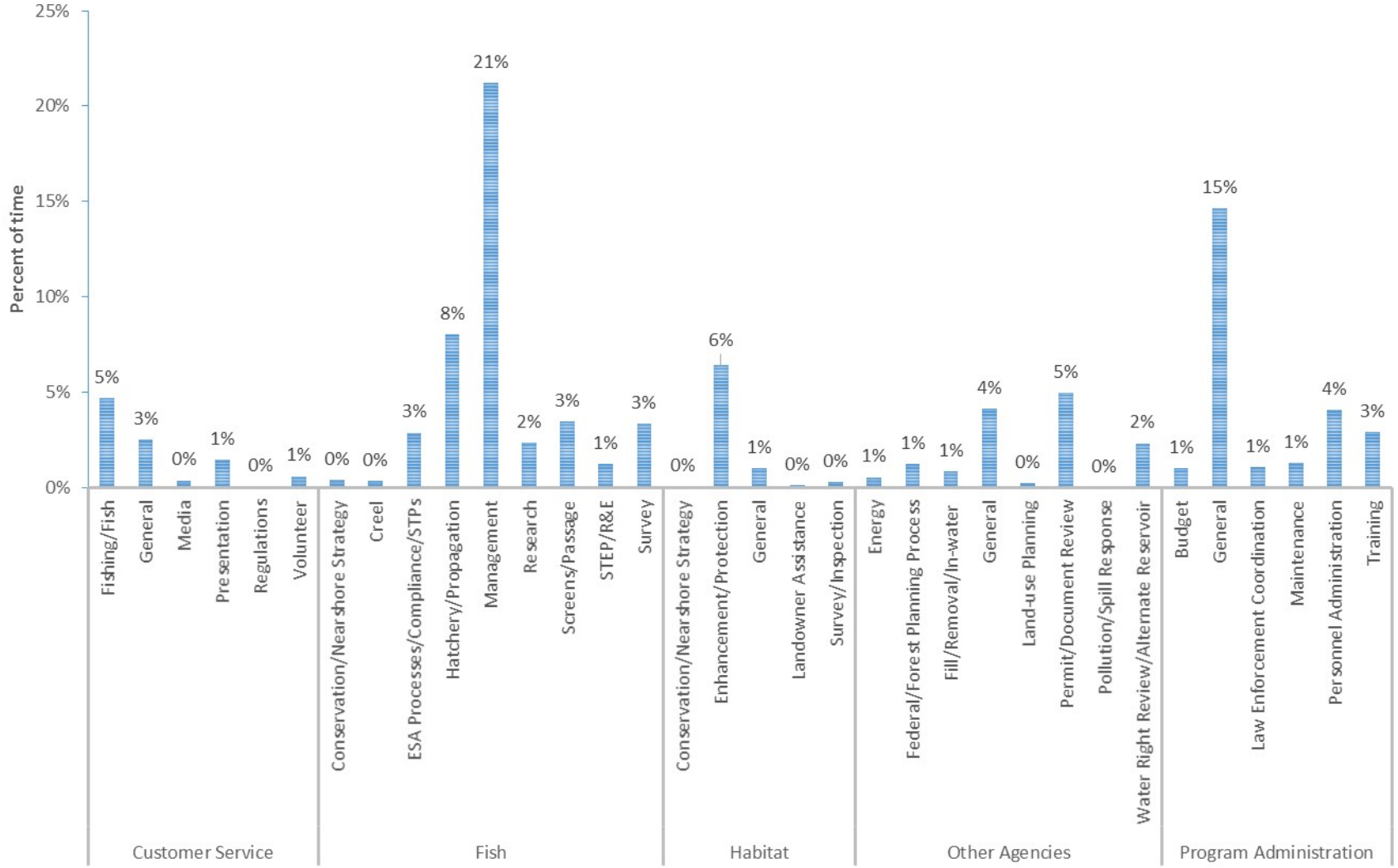


***Figure 4.*** The percentage of time District Fish Biologists spent performing various tasks associated with customer service, fish management, fish habitat, work with other agencies, and program administration from November 1, 2016 to April 1, 2017.

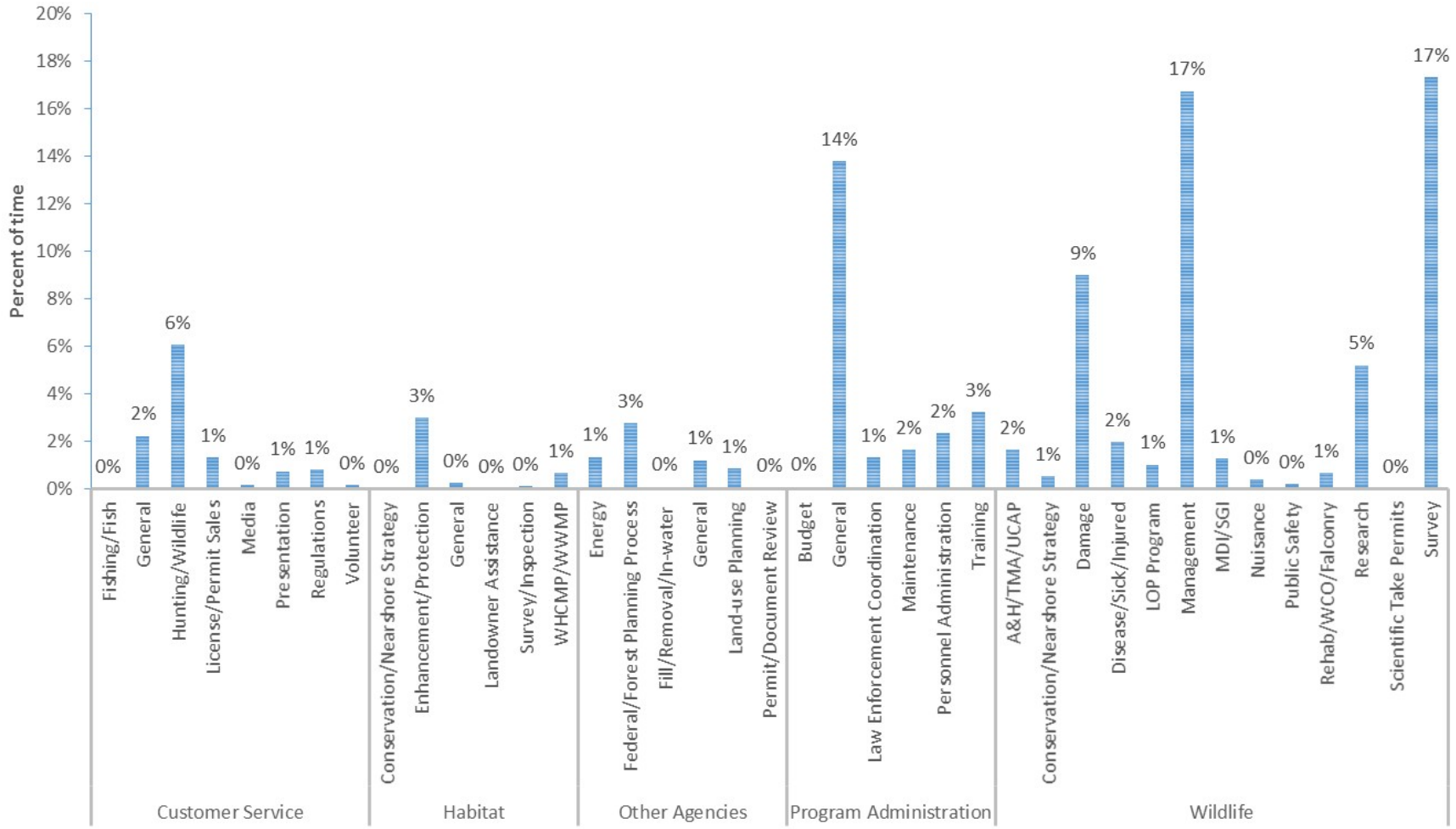


***Figure 5*.** The percentage of time District Wildlife Biologists spent performing various tasks associated with customer service, wildlife habitat, work with other agencies, program administration, and wildlife management activities from November 1, 2016 to April 1, 2017.