

# ESTIMATED COHO SPAWNER ABUNDANCE

## 2016 SPAWNING SEASON

| MONITORING AREA,<br>Population Area | SURVEY EFFORT     |              | ADULT COHO SPAWNER ABUNDANCE |                               |               |                               |
|-------------------------------------|-------------------|--------------|------------------------------|-------------------------------|---------------|-------------------------------|
|                                     |                   |              | TOTAL                        |                               | WILD          |                               |
|                                     | NUMBER<br>SURVEYS | MILES        | ESTIMATE                     | 95%<br>CONFIDENCE<br>INTERVAL | ESTIMATE      | 95%<br>CONFIDENCE<br>INTERVAL |
| <b>ESU</b>                          | <b>238</b>        | <b>176.9</b> | <b>67,578</b>                | <b>9,057</b>                  | <b>66,118</b> | <b>8,943</b>                  |
| <b>NORTH COAST</b>                  | <b>69</b>         | <b>53.2</b>  | <b>18,958</b>                | <b>5,310</b>                  | <b>18,698</b> | <b>5,220</b>                  |
| Necanicum River                     | 14                | 8.2          | 936                          | 383                           | 936           | 383                           |
| Nehalem River                       | 19                | 15.4         | 7,810                        | 3,794                         | 7,549         | 3,668                         |
| Tillamook Bay                       | 20                | 19.4         | 7,102                        | 3,483                         | 7,102         | 3,483                         |
| Nestucca River                      | 9                 | 5.8          | 2,412                        | 1,016                         | 2,412         | 1,016                         |
| NC Dependent                        | 7                 | 4.4          | 699                          | 698                           | 699           | 698                           |
| <b>MID COAST</b>                    | <b>87</b>         | <b>60.3</b>  | <b>26,614</b>                | <b>5,000</b>                  | <b>26,014</b> | <b>4,968</b>                  |
| Salmon River                        | 10                | 5.7          | 1,181                        | 629                           | 1,054         | 561                           |
| Siletz River                        | 16                | 12.1         | 3,015                        | 1,282                         | 3,015         | 1,282                         |
| Yaquina River                       | 17                | 9.1          | 3,730                        | 1,744                         | 3,730         | 1,744                         |
| Beaver Creek                        | 4                 | 2.1          | 1,709                        | 1,036                         | 1,709         | 1,036                         |
| Alsea River                         | 19                | 13.8         | 7,366                        | 2,400                         | 7,366         | 2,400                         |
| Siuslaw River                       | 15                | 10.3         | 9,141                        | 3,584                         | 9,141         | 3,584                         |
| MC Dependent                        | 6                 | 7.2          | 472                          | 487                           |               |                               |
| <b>MID-SOUTH COAST</b>              | <b>52</b>         | <b>42.1</b>  | <b>15,180</b>                | <b>5,061</b>                  | <b>15,060</b> | <b>5,060</b>                  |
| Coos Bay                            | 19                | 16.1         | 4,624                        | 3,205                         | 4,624         | 3,205                         |
| Coquille River                      | 17                | 13.0         | 9,494                        | 3,856                         | 9,494         | 3,856                         |
| Floras Creek                        | 6                 | 4.0          | 942                          | 681                           | 942           | 681                           |
| Sixes River                         | 8                 | 7.1          | 120                          | 121                           |               |                               |
| MS Dependent                        | 2                 | 1.9          | 0                            | 0                             |               |                               |
| <b>UMPQUA</b>                       | <b>30</b>         | <b>21.3</b>  | <b>6,826</b>                 | <b>1,794</b>                  | <b>6,345</b>  | <b>1,566</b>                  |
| Lower Umpqua River                  | 15                | 11.6         | 4,456                        | 1,057                         | 4,422         | 1,049                         |
| Middle Umpqua                       | 6                 | 4.4          | 1,159                        | 925                           | 1,159         | 925                           |
| North Umpqua (below Winchester)     | 0                 |              |                              |                               |               |                               |
| South Umpqua                        | 9                 | 5.3          | 1,211                        | 1,115                         | 765           | 705                           |

*Estimates derived using EMAP protocol. Estimates are adjusted for visual observation bias. Estimates of wild spawners derived through application of carcass fin-mark observations. Missing values for populations indicate inadequate samples for determining total and/or wild abundance.*