2022 AI BTS otolith collection results

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Hi Sandra and Chris,

Ned and I negotiated the otolith requests with Kalei, Sandra, Paul, Jane, Meaghan, Carey, Ingrid, and Steve for their respective stocks for the 2022 Aleutian Islands bottom trawl survey. This is a table of the total otolith pair requested versus collected across the 16 species that were requested.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Species Code | Species Name | Common Name | Total Requested | Total Collected | Notes |
| 30052 | Sebastes melanostictus | blackspotted rockfish | 400 | 605 | over |
| 21921 | Pleurogrammus monopterygius | Atka mackerel | 1000 | 1090 | within 10% |
| 21720 | Gadus macrocephalus | Pacific cod | 700 | 765 | within 10% |
| 21740 | Gadus chalcogrammus | walleye pollock | 700 | 743 | within 10% |
| 10112 | Atheresthes evermanni | Kamchatka flounder | 500 | 537 | within 10% |
| 10262 | Lepidopsetta bilineata | southern rock sole | 300 | 328 | within 10% |
| 10110 | Atheresthes stomias | arrowtooth flounder | 500 | 515 | within 10% |
| 30060 | Sebastes alutus | Pacific ocean perch | 1200 | 1209 | within 10% |
| 30152 | Sebastes variabilis | dusky rockfish | 100 | 108 | within 10% |
| 10261 | Lepidopsetta polyxystra | northern rock sole | 500 | 488 | within 10% |
| 30020 | Sebastolobus alascanus | shortspine thornyhead | 400 | 373 | within 10% |
| 30420 | Sebastes polyspinis | northern rockfish | 700 | 665 | within 10% |
| 30535 | Sebastes variegatus | harlequin rockfish | 50 | 11 | under |
| 30051 | Sebastes aleutianus | rougheye rockfish | 100 | 47 | under |
| 10115 | Reinhardtius hippoglossoides | Greenland turbot | 200 | 8 | under |
| 30576 | Sebastes borealis | shortraker rockfish | 350 | 149 | under |

Twelve of the 16 species’ otolith targets were met or within 10%. Four species were under: Greenland turbot and shortraker, harlequin, and rougheye rockfish. For these four species, the total number of individuals observed (caught) were much less than the total number of otoliths collected (see below).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Species Code | Common Name | Total Otoliths Requested | Total Individuals Observed | Total Otoliths Collected |
| 10115 | Greenland turbot | 200 | 13 | 8 |
| 30051 | rougheye rockfish | 100 | 55 | 47 |
| 30535 | harlequin rockfish | 50 | 13 | 11 |
| 30576 | shortraker rockfish | 350 | 246 | 149 |

Five Greenland turbot and two harelquin rockfish that could have been collected were missed by accident. Eight rougheye rockfish and 97 shortraker rockfish were not collected because of the collection rule (maximum 10 and 12 random/haul, respectively).