

## DRIFT GILLNET PERFORMANCE METRICS REVIEW

Each June, the Pacific Fishery Management Council (Council) receives an annual report comparing estimated bycatch in the large mesh drift gillnet (DGN) fishery against performance metrics. In September 2018, after review by its Scientific and Statistical Committee, the Council adopted a more statistically robust methodology for estimating rare event bycatch compared to previous ratio-based estimates. The Council also identified 22 species for which bycatch in the DGN fishery will be tracked using this regression tree methodology. The existing ratio-based overall retention rate performance metric (total number of fish that are landed, divided by all landed catch and fish thrown overboard dead) is also reported.

In addition to reporting against performance metrics, the Council asked the Highly Migratory Species Management Team (HMSMT) to evaluate the efficacy of using annual estimates versus multi-year trends to assess bycatch performance and the statistical uncertainty surrounding bycatch estimates under different levels of DGN fishery observer coverage. Finally, the HMSMT was directed to propose a process under which bycatch reduction measures would be implemented should the fishery fail to meet bycatch performance metrics, whether pegged to a single year estimate or a multi-year trend. This task includes the identification of specific bycatch reduction measures.

In March 2019, the HMSMT provided an update on adapting the regression tree methodology to performance metric related reporting along with progress in addressing the other Council assignments summarized above ([Agenda Item J.3.a, Supplemental HMSMT Report 1, March 2019](#)). At this meeting the HMSMT will submit a supplemental report with bycatch estimates for the 2018/19 DGN fishing season and metrics using the regression tree methodology and a further update on completing the other assignments.

### **Council Action:**

**Review Annual Estimates Against Performance Metrics for Bycatch Species, Consider a Methodology for Multi-Year Bycatch Evaluation, and Provide Guidance on a Proposed Process for Potential Bycatch Reduction Measures.**

### **Reference Materials:**

1. If received, Public Comments are electronic only ([see e-portal](#)).

### **Agenda Order:**

#### J.4 Drift Gillnet Performance Metrics Review

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- a. Reports and Comments of Management Entities and Advisory Bodies
- b. Public Comment
- c. **Council Action:** Review Annual Estimates Against Performance Metrics for Bycatch Species, Consider a Methodology for Multi-Year Bycatch Evaluation, and Provide Guidance on a Proposed Process for Potential Bycatch Reduction Measures