

SCIENTIFIC AND STATISTICAL COMMITTEE REPORT ON  
TRAWL INDIVIDUAL QUOTAS - PART I

Mr. Jim Seger briefed the Scientific and Statistical Committee (SSC) on the process for developing alternatives for trawl individual quotas (TIQs) on the West Coast. Currently, description of the TIQ process is contained in several documents, including reports by the Ad Hoc TIQ Analytical Team and Ad Hoc TIQ Independent Experts Panel (IEP). The TIQ process is now addressing several preliminary issues including defining goals and objectives, development of tools to achieve objectives, and description of data needed to define a baseline for comparing alternatives. The SSC agrees with the IEP that clarification and refinement of goals and objectives is necessary so that measurable criteria may be specified. These criteria will aid formulation and analysis of alternatives and facilitate future evaluation of the TIQ program. The TIQ Analytical Team and IEP's statements of TIQ goals and objectives are given in the Decision Step Summary (E.6.a, Attachment 3). Two overarching objectives of the TIQ program appear to be: (1) efficiency gains in the trawl sector, and (2) reduction of discard mortality.

As described in the reference materials, TIQs could provide efficiency gains to the groundfish fishery. Typically, efficiency gains from IQ programs are associated with more efficient fishing operations (i.e., those with lower unit costs) purchasing quota from less efficient operations, thus, providing an equitable means of capacity reduction. The extent of these gains can be affected by several factors including the trawl buyback program, degree of fleet heterogeneity, and other regulations. The trawl sector is one component of a multi-sector, multi-species fishery, which raises important issues of quota transferability between sectors.

The reference materials explain how IQ-based management tools can have unintended consequences. These include increased economic discards (i.e., high-grading), and changes in the balance of market power among vessel crew, vessel owners, and processors. In addition, the establishment of IQs can create barriers to entry and changes in the distribution of fishing effort, catch, and landings. In some well-known cases, IQs have redistributed landings from rural fishing communities to urban areas where processing facilities are located.

By providing economic incentives to avoid bycatch, an IQ program could be a cost-effective means of reducing discard mortality. Some elements of the British Columbia groundfish IQ program could provide a reasonable case study. In this regard, a framework to analyze effects of management alternatives on economic incentives would be useful. At the Council's direction, the SSC would be willing to consult with the TIQ Analytical Team and IEP on developing this framework. As a starting point, the SSC refers to sections on IQs in the SSC Report on Overcapitalization in the West Coast Groundfish Fishery (March 2000) and the Groundfish Strategic Plan (June 2000).

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