# D5: Crab Electronic Logbooks (eLogbooks) Cost Analysis

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### Introduction

 NMFS paper daily fishing logbook (DFL) and daily cumulative production logbook (DCPLs) requirement

• What DFLs/DCPLs include

 Some groundfish fleets have an electronic (eLogbook) requirement or option

## Brief History of this Issue Section 1

- April 2018: Council received a proposal from PNCIAC requesting eLogbooks for the BSAI king, Tanner, and snow crab fisheries
- February 2019: Discussion Paper
  - Council directed staff to conduct a cost analysis with PSMFC
- February 2020: Crab eLogbook cost analysis



## Description of Problem Section 2

#### PNCIAC cited two reasons:

- 1. More efficient and timely reporting
- 2. To improve catch accounting associated with partial offloads

The analysis of partial offloads concluded that the potential benefits of eLogbooks do not directly apply to the challenge of accounting for catch by area in a partial offload scenario, so only #1 applies to this analysis.



Photo credit: Steve Whitney

## Use of DFLs in the CR Program Fisheries Section 3

- NOAA OLE for enforcement
- ADF&G to collect catch and effort data by statistical area
- Fishermen required to mail in copy of logbooks
  to OLE for all fishing

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Catcher vessel longline and pot gear DFL

## Estimated Costs of Current Paper Logbooks Section 4

#### **Estimated costs for ADF&G: Table 4-1**

Fishery (2015/16)	TOTALS		Fishery (2018/19)	TOTALS			
#Landings	1,068		#Landings	618			
#Vessels	254		#Vessels	158			
#Logbooks	1,016		#Logbooks	592			
Time (MIN)	30,480	1	Time (MIN)	17,760			
Cost (MIN)	\$35,265.67		Cost (MIN)	\$20,548.50			
Time (MAX)	91,440		Time (MAX)	53,280			
Cost (MAX)	\$105,797.00		Cost (MAX)	\$61,645.50			
Time (AVE)	60,960		Time (AVE)	35,520			
Cost (AVE)	\$70,531.34		Cost (AVE)	\$41,097.00			

## Estimated Costs of Current Paper Logbooks Section 4

#### **Estimated costs for NMFS**

- OLE: close to zero for data entry and storage
- For printing up to 200 paper logbooks for ~65 crab CVs: \$2,622/yr
- For printing 1-2 paper logbooks for 1 crab CP: \$42/yr
- To administer the Paperwork Reduction Act for ~65 crab CVs and 1 CP: ~\$1,000
- Rough shipping estimate: \$2,340 on priority mail
- Distribution of paper logbooks to the fleet: close to zero for staff time
- TOTAL/yr: \$6,004

## Estimated Costs for eLogbooks Section 6

### Initial Estimate from PSMFC

- \$200,000 \$300,000 upfront cost
- \$10,000 \$20,000 annual costs
- Estimate does not include hiring support staff, servers, CV computers
- More accurate estimate would require more detailed information from industry



Photo credit: Josh Keaton

## **Decision Point for Council**

Determine whether, based on the potential costs and benefits of developing and administering an eLogbook program, it would be an effective way to meet the goals of both the CR industry participants and federal and state managers.

