

# WHAT DOES ELECTRONIC VIDEO MONITORING MEAN FOR THE PUBLIC?

The public are important stakeholders in the management and protection of our shared Canadian fisheries resources. As such, it is important for the public to have confidence in the data that is being collected and used in fisheries management decisions by Fisheries and Oceans Canada (DFO).

## What is electronic/video monitoring (EVM) and how does it work?

EVM is a form of fisheries monitoring that incorporates cameras, pressure sensors, Radio Frequency Identification tags (RFID) and Geographical Positioning System (GPS) to monitor and collect data on fisheries catches and interactions. Video is continuously recorded over the duration of a fishing trip and a series of 2 to 4 cameras capture all of the fishing activity. This information is then reviewed to identify species and record other data.

EVM can be used to monitor compliance with fisheries regulations, interactions with Endangered, Threatened, and Protected (ETP) species and fishing activities that occur within Marine Protected Areas (MPAs). Outside of its basic functions EVM can be adapted to collect various types of oceanographic data, including pH, temperature and salinity.

EVM can assist in the following:



### MORE DATA

EVM can be used to directly increase monitoring levels and can potentially provide 100% coverage of fisheries catches and activities, depending on the level of video review. **EVM allows for more data to be collected** outside of what current data collection tools may require; including GPS, fishing activity, catch composition, ETP species interactions, etc., all of which are taking place and being recorded simultaneously. This type of data collection tool will provide DFO with additional data to make informed decisions, **which will directly affect the health of Canadian fisheries resources.**



### MORE TRANSPARENCY & ACCOUNTABILITY

VM can **increase transparency of fishing activities** and accountability of fishermen and fishing industry. This is possible through the **direct and systematic monitoring of the entire vessel** throughout the fishing operations in connection with the video analysis and direct delivery system of all important fishing information, particularly useful for the **identification and validation** of fishing catches, discards and interactions.



### MORE CONFIDENCE IN RESOURCE MANAGEMENT

EVM provides **demonstrable confidence** in the fisheries data and information that is being collected and that is going to be used to make well-informed decisions. EVM can increase confidence in key information that is feeding into the management of Canadian fisheries resources.

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**Ecology Action Centre**

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