* Individual vessels, identified from the Global Fishing Watch (GFW) database, are proportionally allocated subsidies based upon their fishing effort and flag state. We assume that the flag state of a vessel always corresponds to its subsidizing state. The management regime of each vessel is determined based upon the area in which the vessel is fishing. The characteristics and behavior of vessels are used to determine whether a subsidy reform policy would be likely to apply to that vessel. All vessels are then grouped into four fleets: two affected by the subsidy reforms (open-access and managed) and two unaffected by the subsidy reforms (open-access and managed). The behavior of these four fleets is then projected to evaluate the potential impact that the reform policy would have on fish biomass, catch, revenue, and fishing mortality over time.