



New England Fishery Management Council

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John F. Quinn, J.D., Ph.D., *Chairman* | Thomas A. Nies, *Executive Director*

MEMORANDUM

DATE: October 21, 2019
TO: Skate Advisors and Committee
FROM: Fiona Hogan
SUBJECT: **Declared skate trips, percentage of revenues - Wings**

At its May 22, 2019 meeting, the Skate Committee asked the staff to provide two analyses:

- Skate trip/pounds landed frequencies, by authorization code (declaration)
- Distribution of skate trips, by the percentage of skate to total revenues on those trips, also by authorization code

The following is an attempt to answer the second question.

The PDT looked at landings and revenues data, which only are available from 2007 – 2018 because the declaration codes were not available in electronic form before that year. Subsequent to that meeting, the following analysis was completed by staff.

The first section displays skate wing (food) data.

Distribution of skate WING trips – percentage of total trip revenues

Explaining Figure 1: This analysis defines a directed trip for skate *Wings* as a trip landing greater than 500 lbs. of skate. Figure 1 shows directed skate wing trips by vessels that declared Monkfish (MNK) trips during FY 2017.

On the right axis (“percent group”), is skate/total revenue of *Wings* (Skate Food Trips) by percent groups. On the left axis (“vessel”) is each individual vessel that declared Monkfish (MNK) trips. The vertical axis shows the number of trips by a vessel with skate revenues within a given percent group. For example, the tall line at the back shows 25 trips with over 90% skate wing revenue taken by one vessel.

In Figure 1, there are 104 vessels who had at least one trip with over 500 pounds of skate *Wings*. While it does show a vessel’s dependence, on a trip-by-trip basis, it does not show the productivity (and thus impact on the resource). For example, one vessel appears with 25 trips on which skate revenue was between 90 and 100 percent of the total. This particular vessel landed the maximum (2,600 and 4,100) on all 25 trips.

Figure 1 Discussion: Declared Monkfish trips, 1,498 in FY 2017, have a great number of trips with a high percentage of skate wing revenues. Most of these trips appear to have skate wing revenues between 20 and 70 percent of total revenues. Compare this with declared Groundfish trips (NMS) in Figure 2.

Figure 1: Directed (>500 lbs.) skate wing revenue on declared Monkfish trips

Skate Directed Trips, Wing Revenue, FY2017

ACTIVITY_CODE=Monkfish

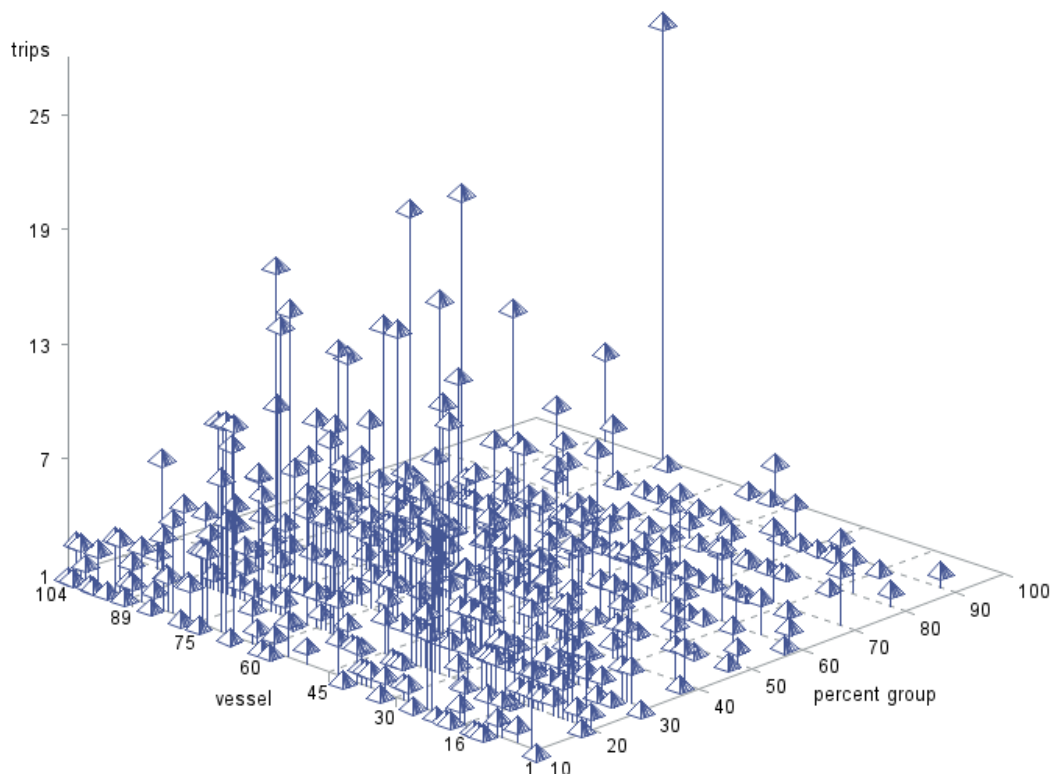
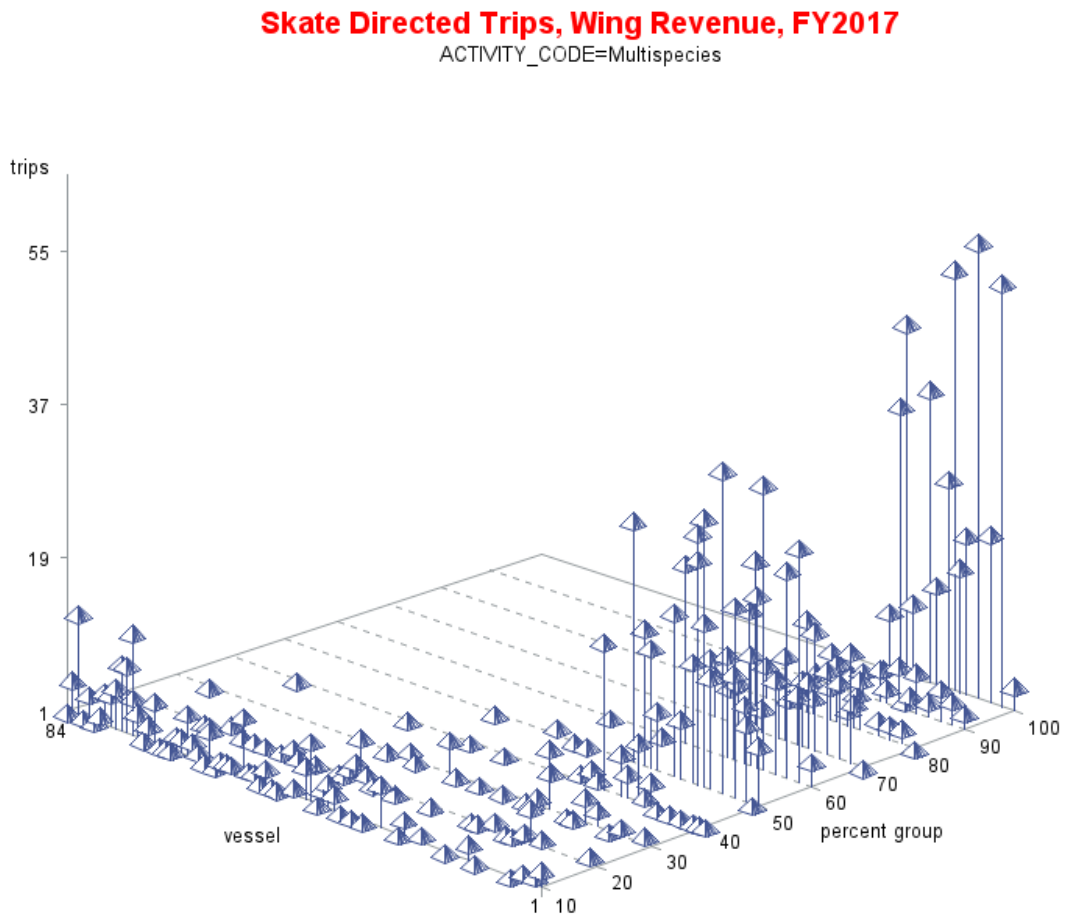


Figure 2 Discussion: Most NMS trips have skate revenues below 50 percent. But there is a small group, about 20-25 vessels, with large numbers of NMS trips and over 50 percent skate revenue.

Figure 2: Directed (>500 lbs.) skate wing revenue on declared Multispecies trips



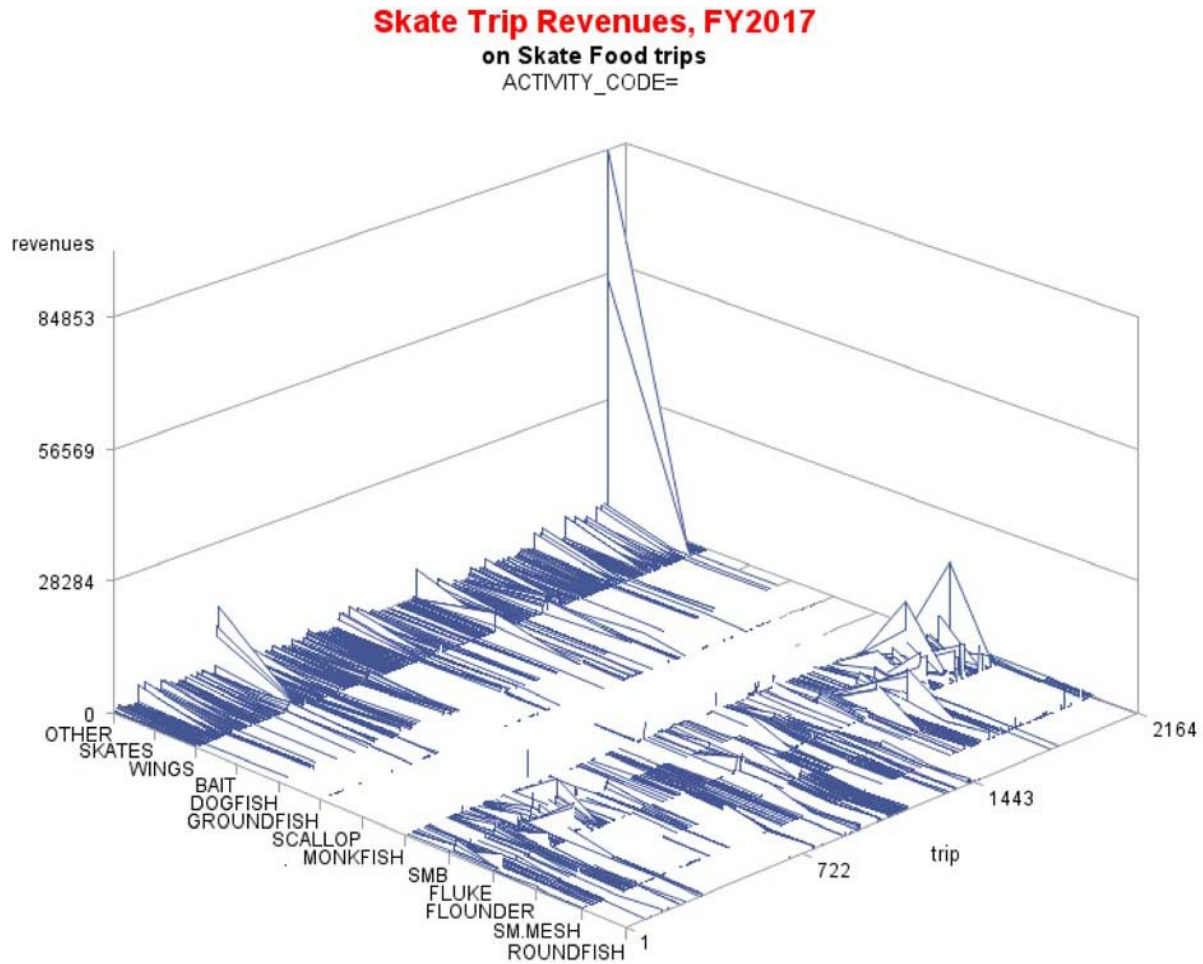
The other declarations (Declared Out-of-Fisher, Scallop, SMB, and No Declaration) do not have a great number of trips with high skate revenue, with a few individual exceptions. See Appendix 1.

DOF	NMS	SES	SMB	None
Declare out	Multispecies	Scallop	Squid-Mackerel- Butterfish	No declaration

SPECIES COMPOSITION OF TRIPS

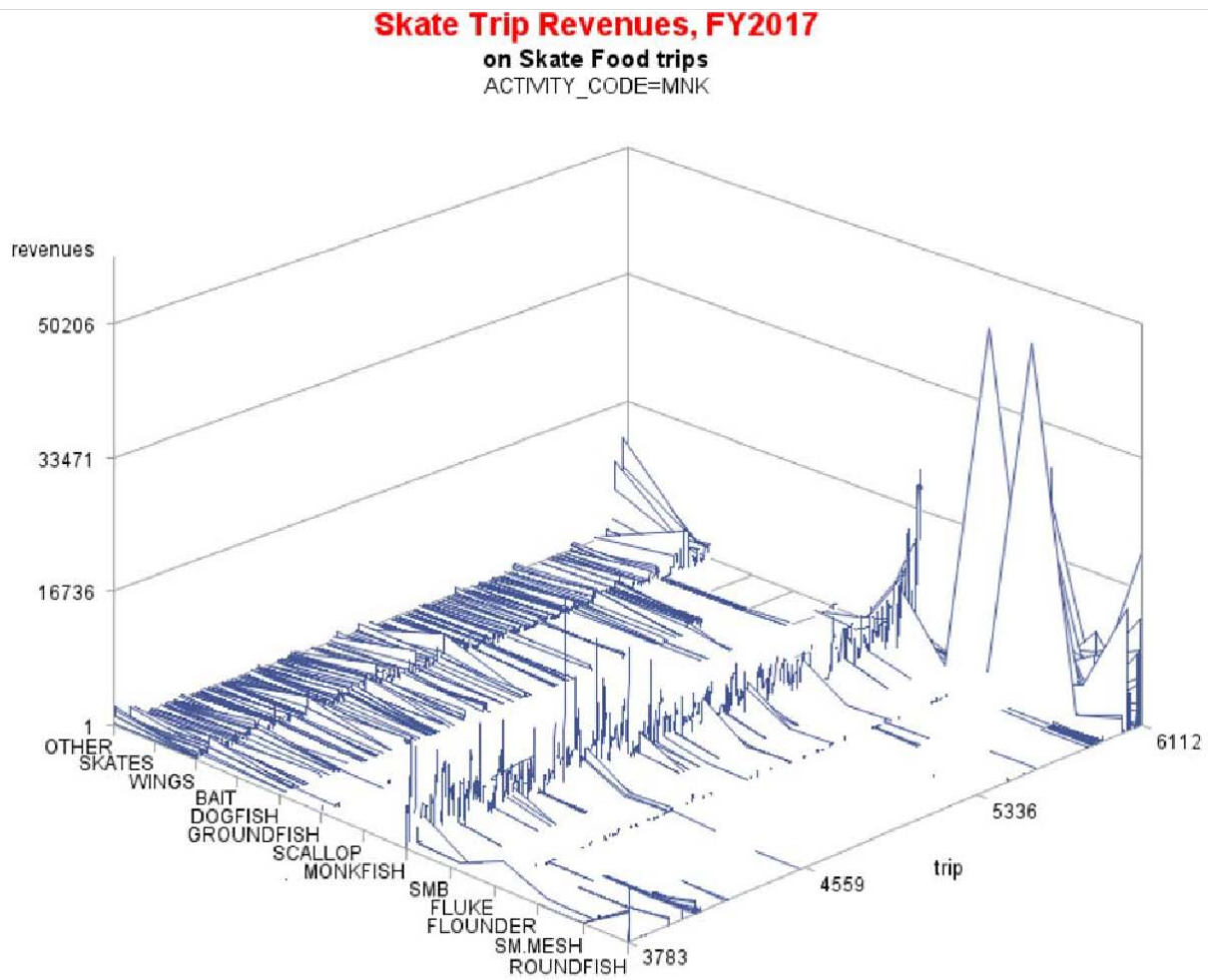
Another way to look at skate *wing* revenues is to include all the species landed. Un-declared trips have many species revenues, especially fluke, squid-mackerel-butterfish, and other (all species other than those specified in Figure 3). There were 2164 of these trips in FY 2017.

Figure 3: ALL skate wing revenues on Un-declared trips



Compare this with Declared Monkfish trips where the non-skate revenues comprise monkfish, with a scattering of ROUND FISH (cod, haddock, pollock, redfish), fluke, and other (Figure 4). There were 2330 (6112 - 3782) of these trips in FY 2017, with any amount of skate landed.

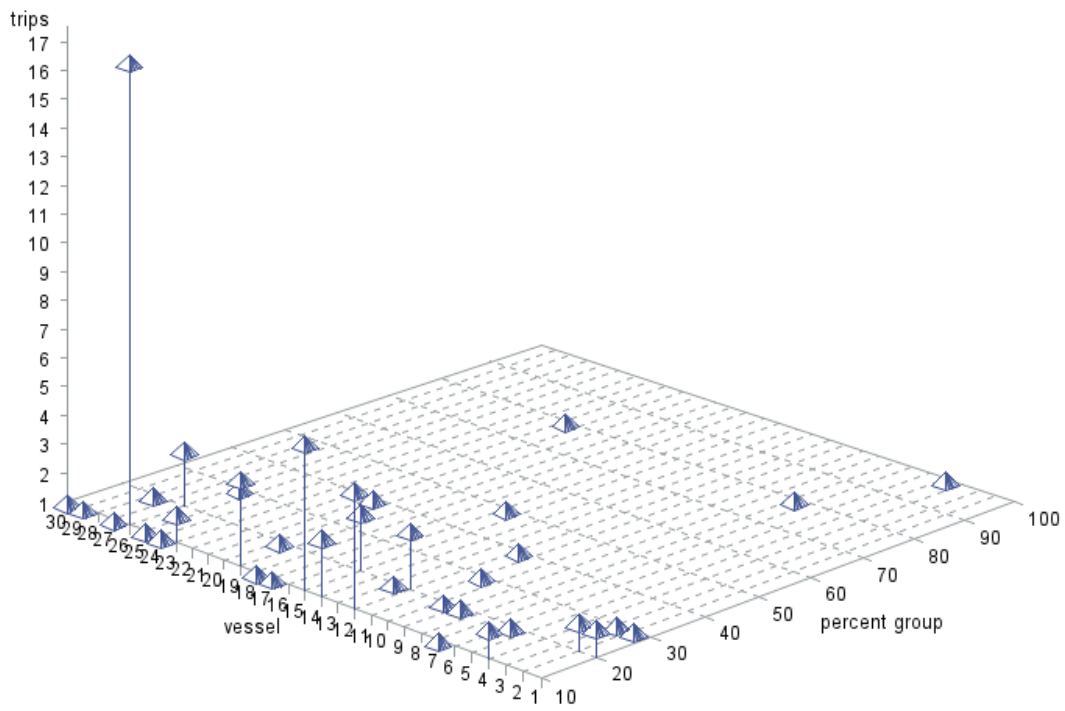
Figure 4: ALL skate wing revenue on declared Monkfish trips



APPENDIX 1: WINGS

Figure 5: Directed (>500 lbs.) skate wing landings on Declared-Out-Of-Fishery trips

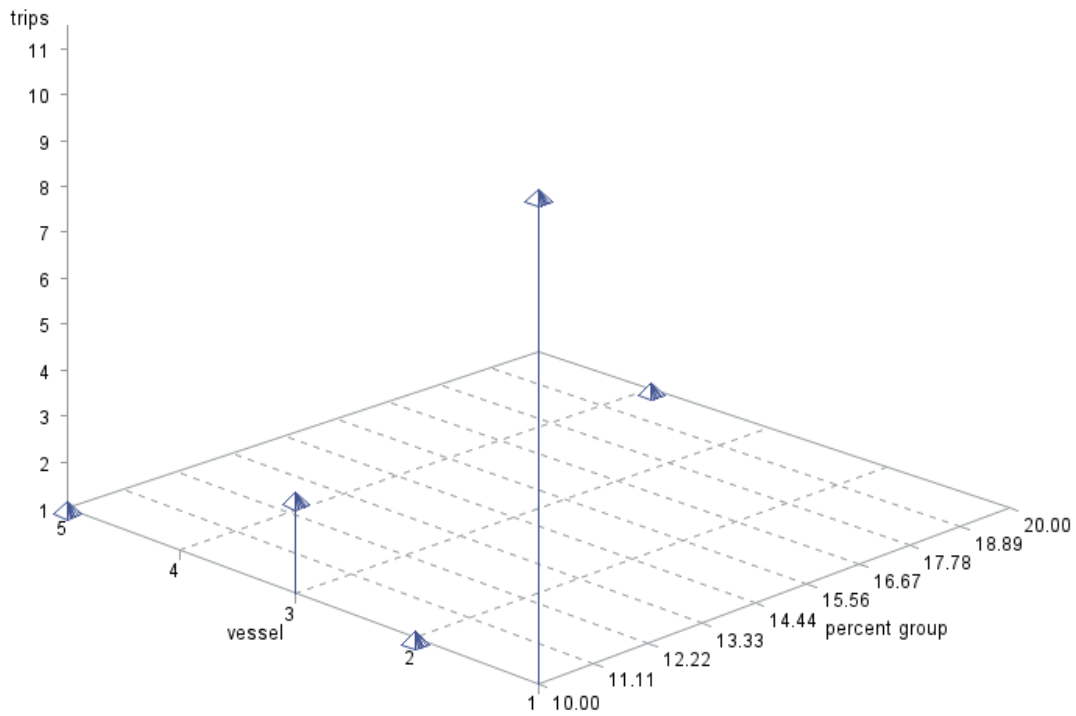
Skate Directed Trips, Wing Revenue, FY2017
ACTIVITY_CODE=Declared-Out-of-Fishery



APPENDIX 1 (CONTINUED)

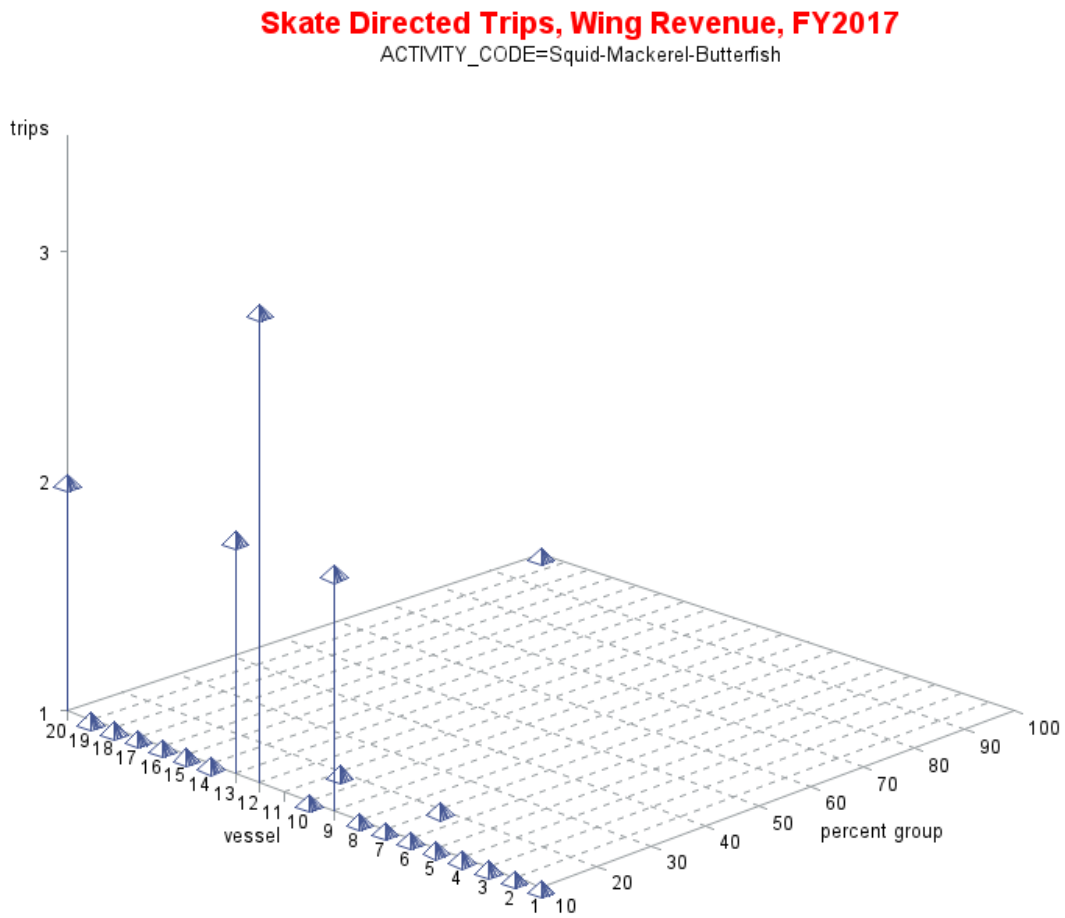
Figure 6: Directed (>500 lbs.) skate wing landings on Scallop trips

Skate Directed Trips, Wing Revenue, FY2017
ACTIVITY_CODE=Scallop



APPENDIX 1 (CONTINUED)

Figure 7: Directed (>500 lbs.) skatewing landings on Squid-Mackerel-Butterfish trips



APPENDIX 1 (CONTINUED)

Figure 8: Directed (>500 lbs.) skate landings on Un-Declared trips

