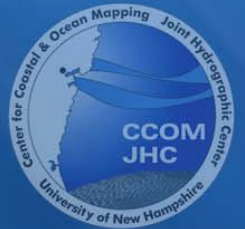


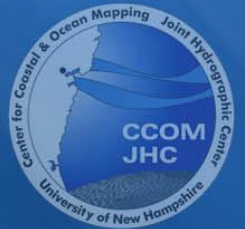
Surface Currents Design Survey & Results

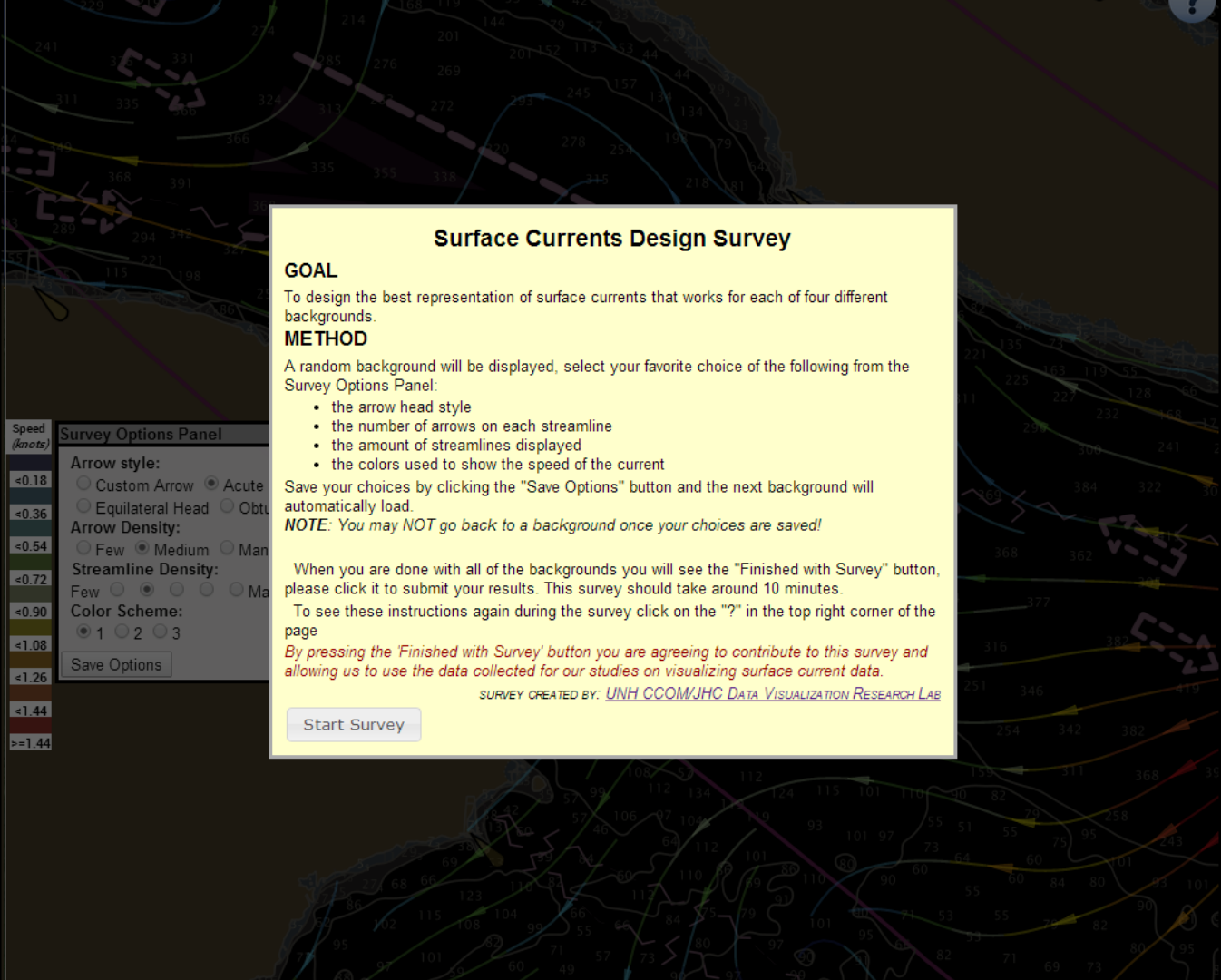
from UNH CCOM/JHC Vislab online survey



The Survey...

Online at - <http://vislab-ccom.unh.edu/~briana/scwg/survey.php>





Speed (knots)

Survey Options Panel

Arrow style:
 Custom Arrow Acute
 Equilateral Head Obtuse

Arrow Density:
 Few Medium Many

Streamline Density:
 Few Medium Many

Color Scheme:
 1 2 3

Save Options

<0.18
<0.36
<0.54
<0.72
<0.90
<1.08
<1.26
<1.44
≥1.44

Surface Currents Design Survey

GOAL

To design the best representation of surface currents that works for each of four different backgrounds.

METHOD

A random background will be displayed, select your favorite choice of the following from the Survey Options Panel:

- the arrow head style
- the number of arrows on each streamline
- the amount of streamlines displayed
- the colors used to show the speed of the current

Save your choices by clicking the "Save Options" button and the next background will automatically load.

NOTE: You may NOT go back to a background once your choices are saved!

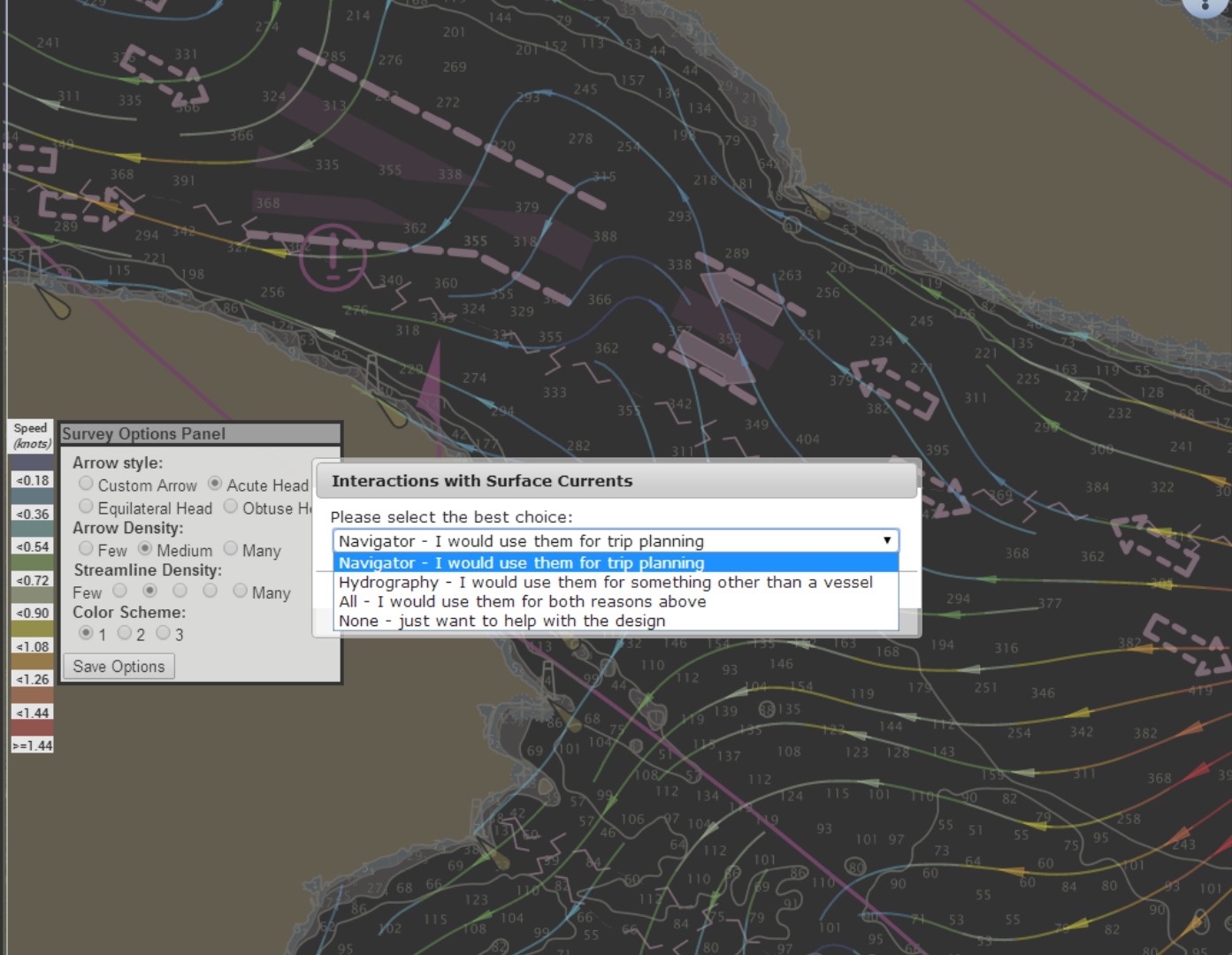
When you are done with all of the backgrounds you will see the "Finished with Survey" button, please click it to submit your results. This survey should take around 10 minutes.

To see these instructions again during the survey click on the "?" in the top right corner of the page

By pressing the 'Finished with Survey' button you are agreeing to contribute to this survey and allowing us to use the data collected for our studies on visualizing surface current data.

SURVEY CREATED BY: [UNH CCOM/JHC DATA VISUALIZATION RESEARCH LAB](#)

Start Survey



Speed (knots)

- <0.18
- <0.36
- <0.54
- <0.72
- <0.90
- <1.08
- <1.26
- <1.44
- >=1.44

Survey Options Panel

Arrow style:

- Custom Arrow
- Acute Head
- Equilateral Head
- Obtuse Head

Arrow Density:

- Few
- Medium
- Many

Streamline Density:

- Few
- Medium
- Many

Color Scheme:

- 1
- 2
- 3

Interactions with Surface Currents

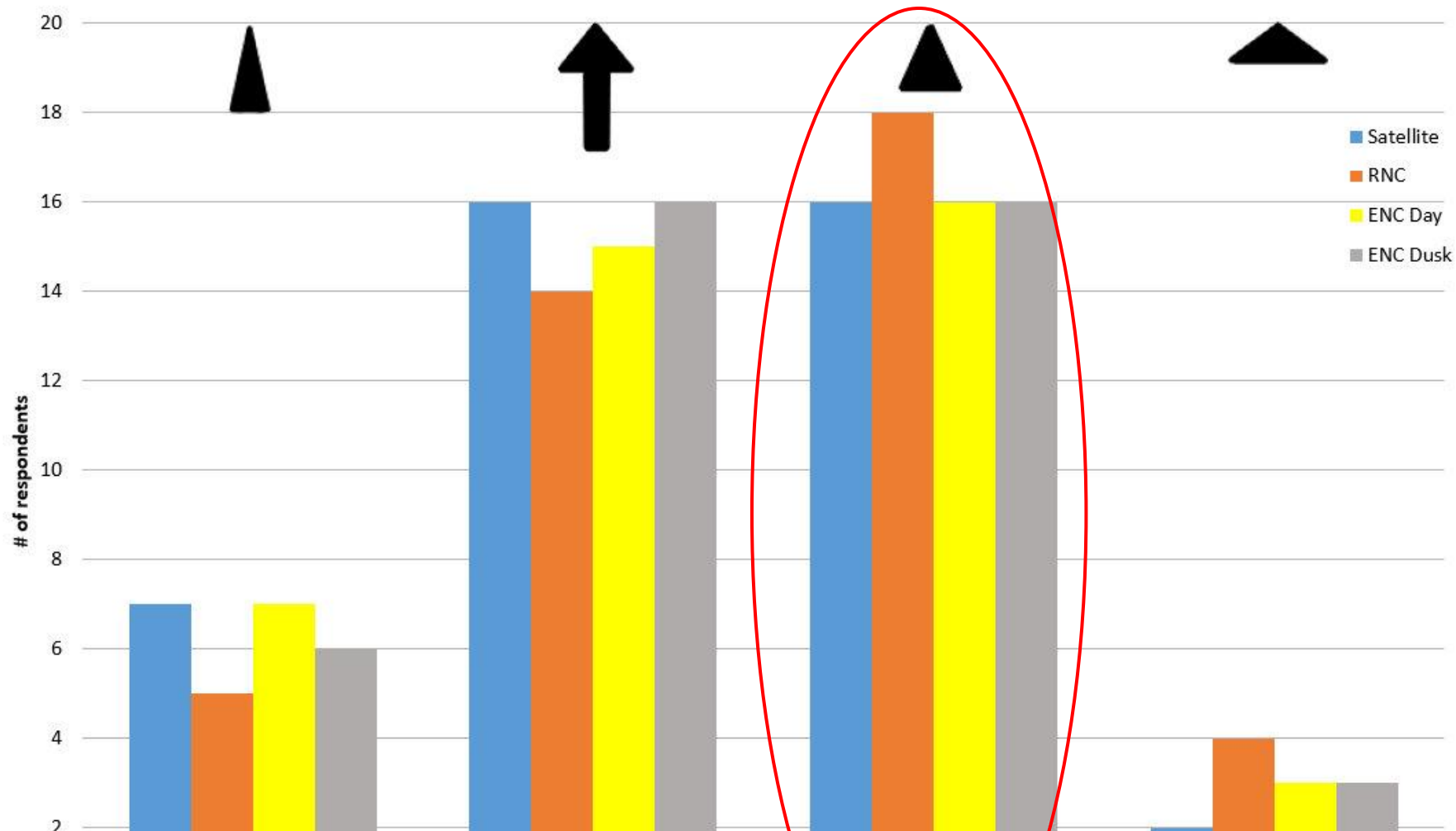
Please select the best choice:

-
-
-
-
-

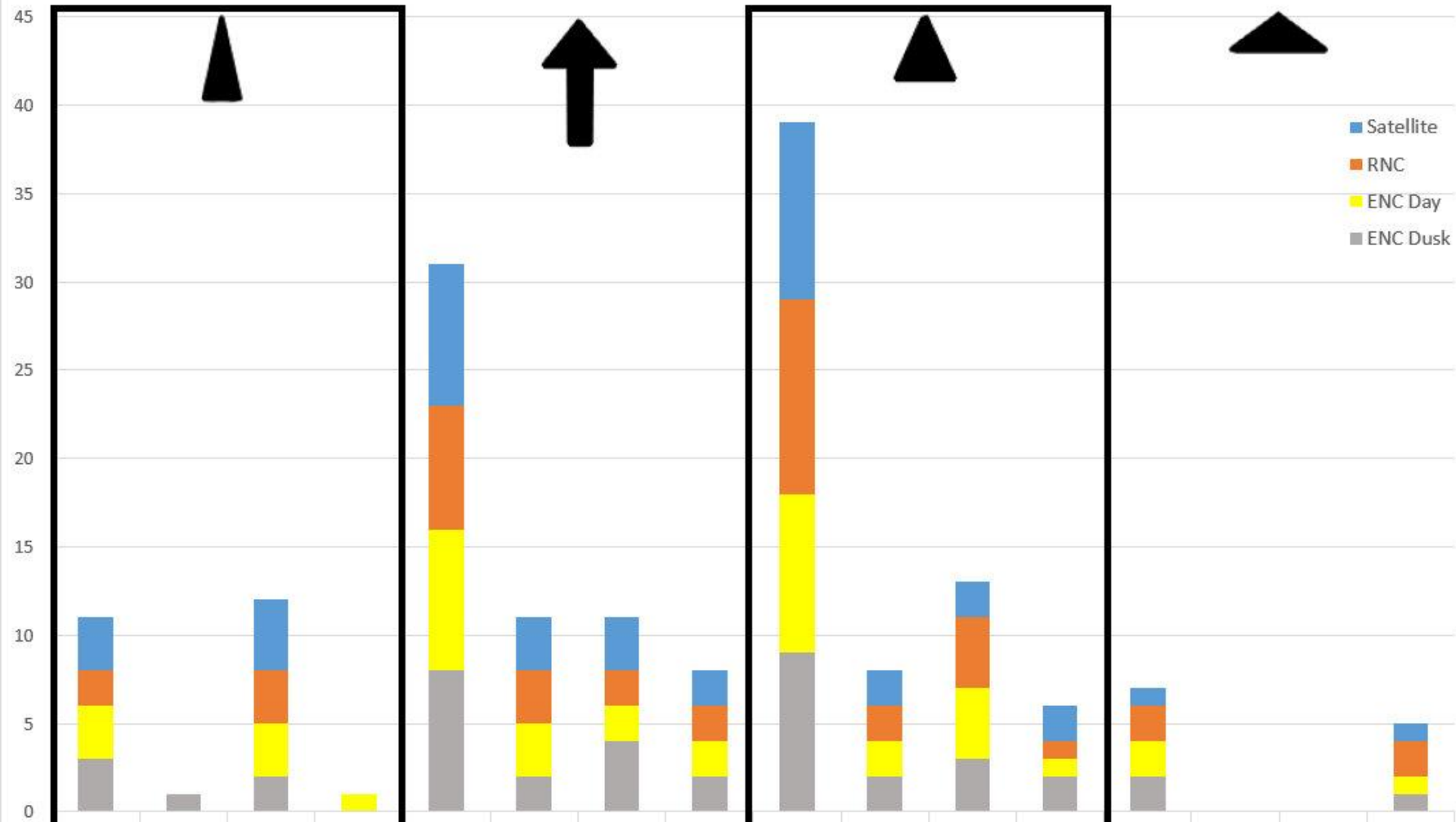
The Survey Results...



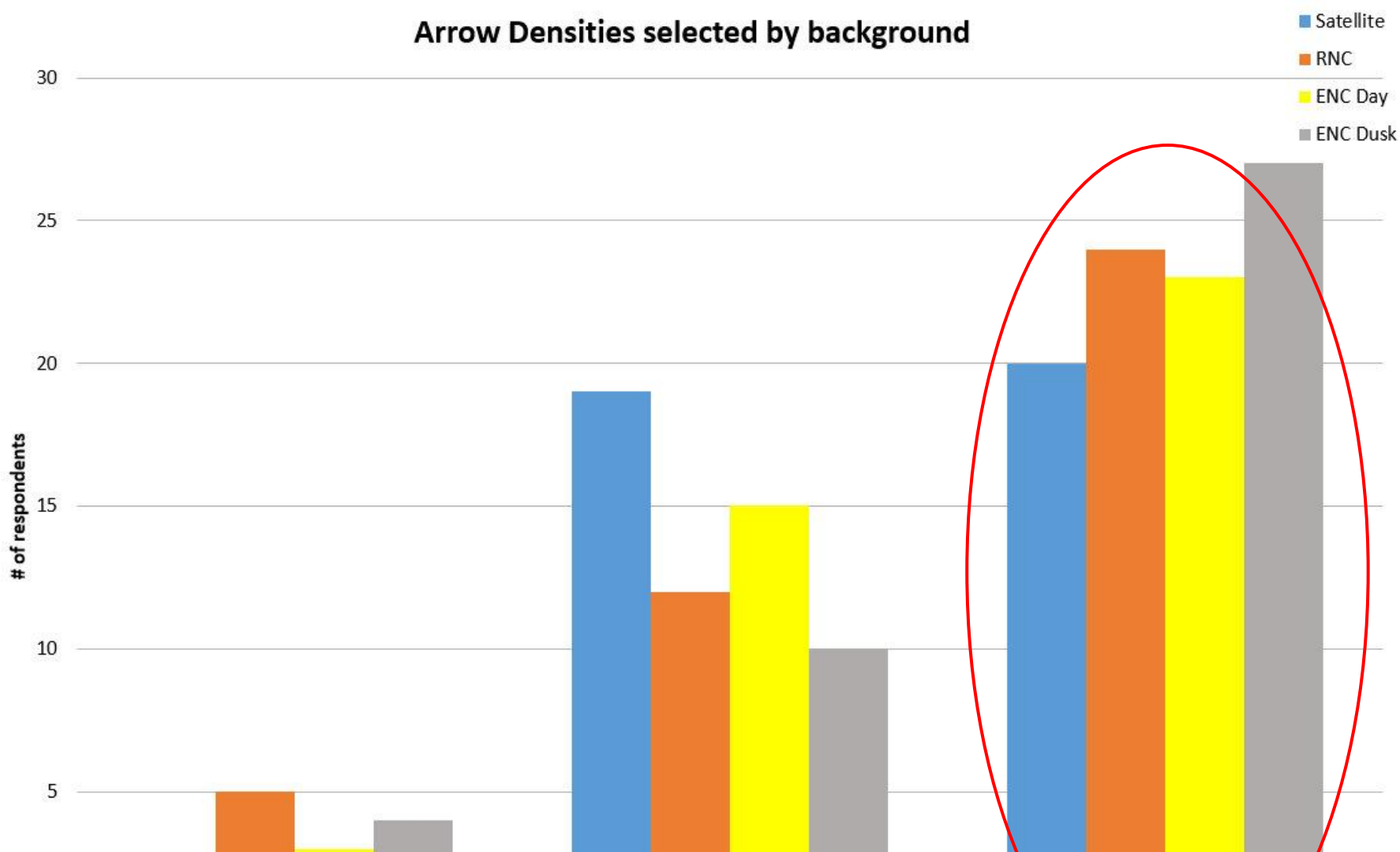
Arrow Styles selected by background



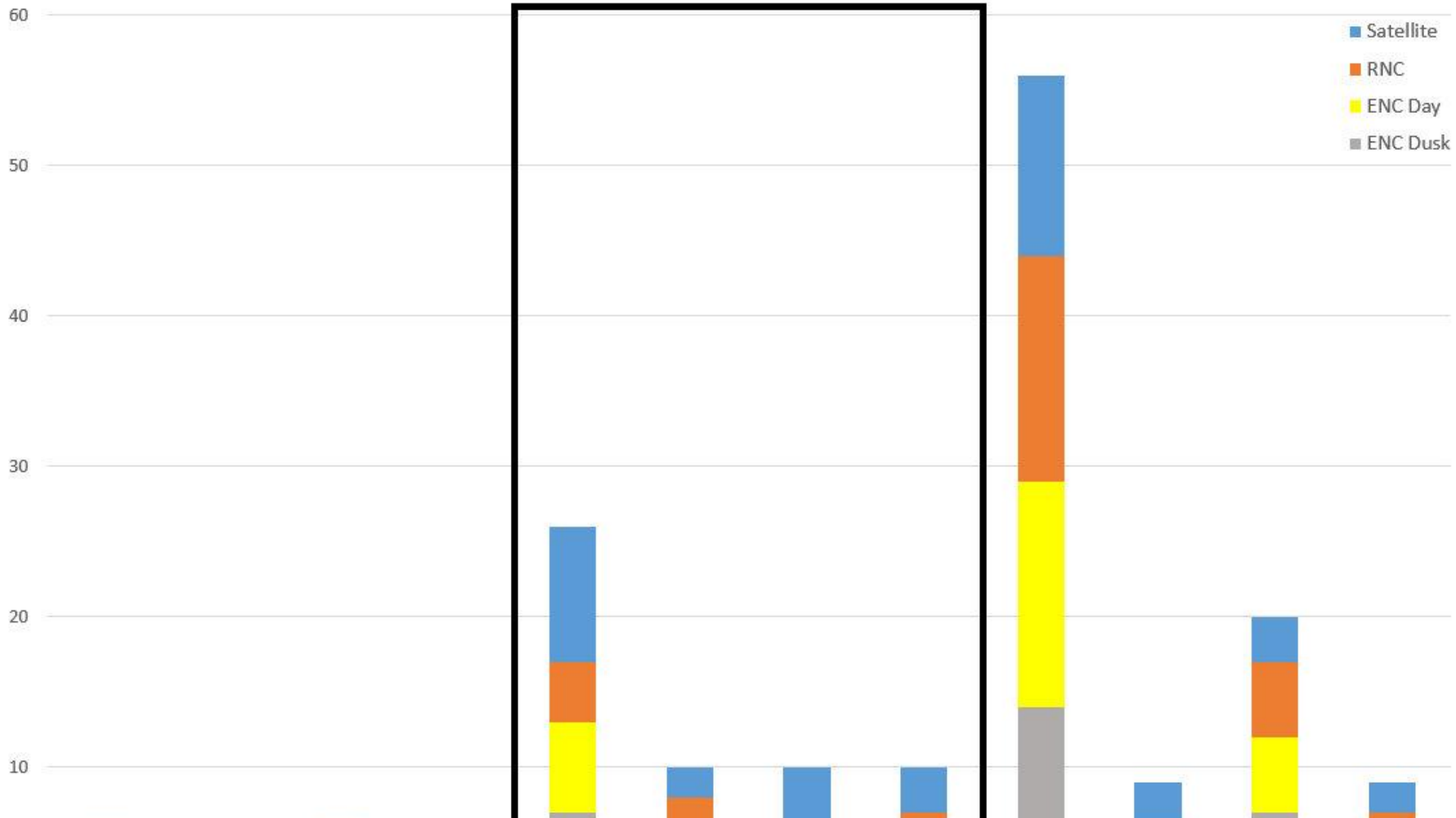
Arrow Style by Experience



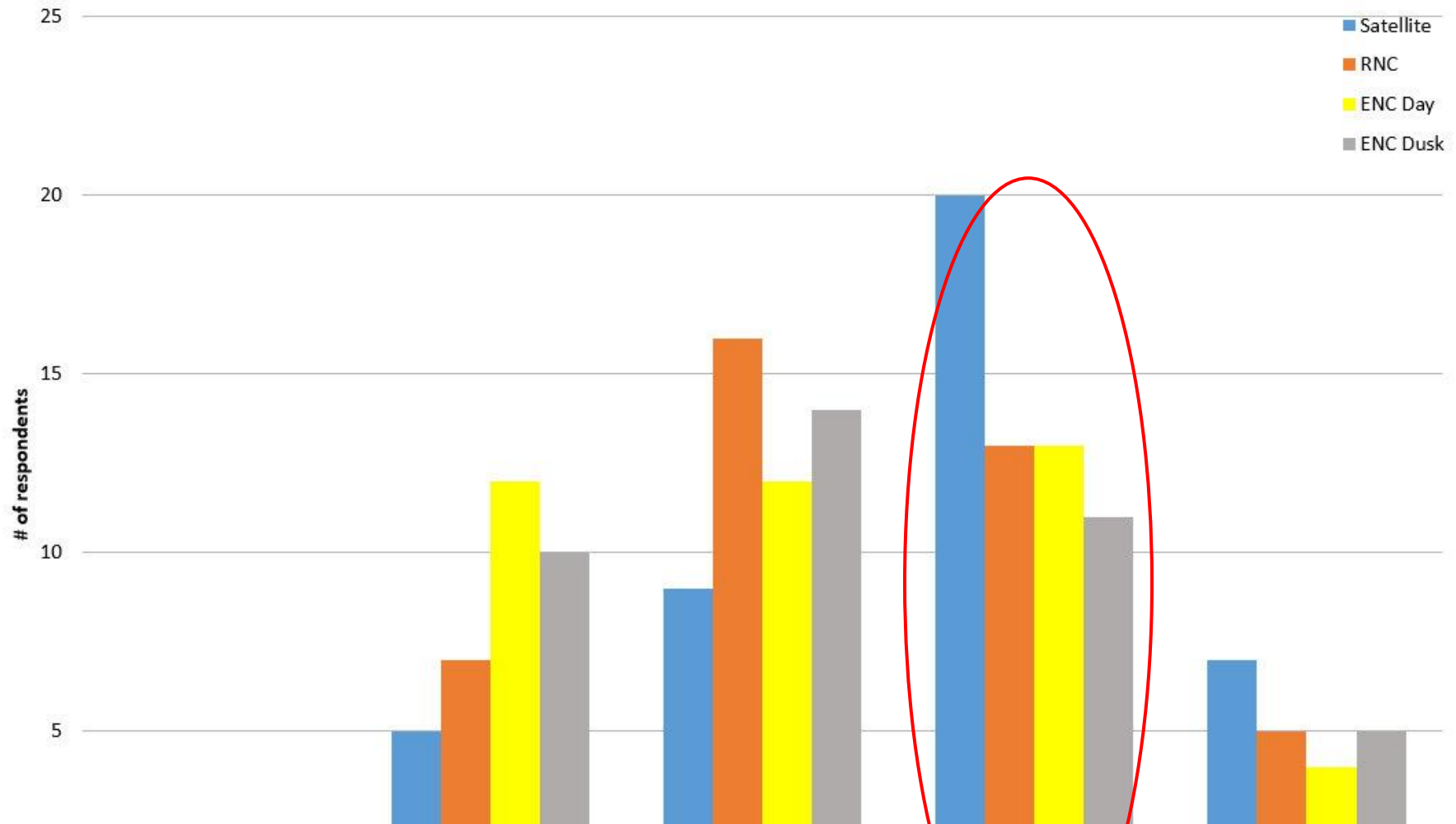
Arrow Densities selected by background



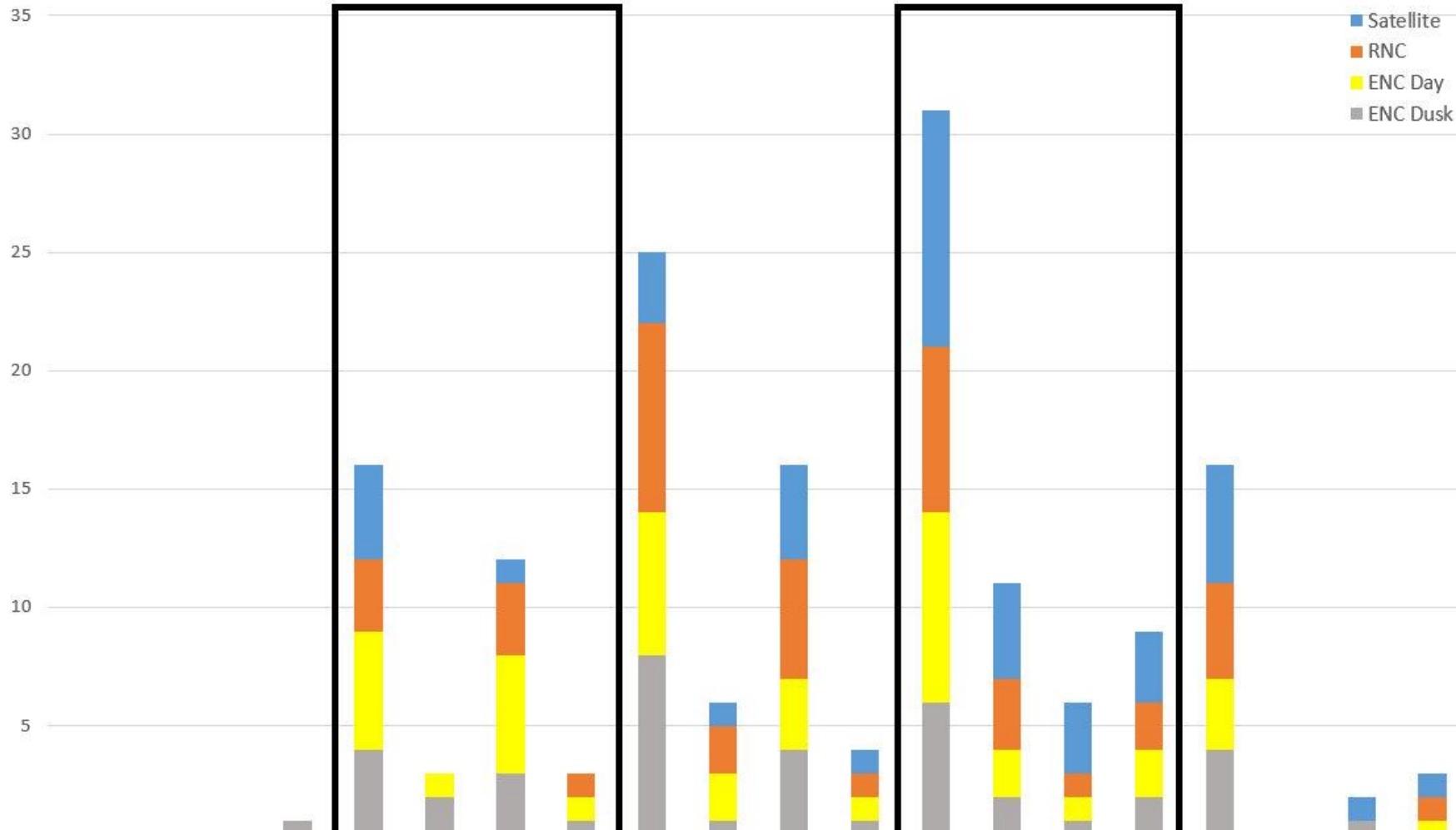
Arrow Density by Experience



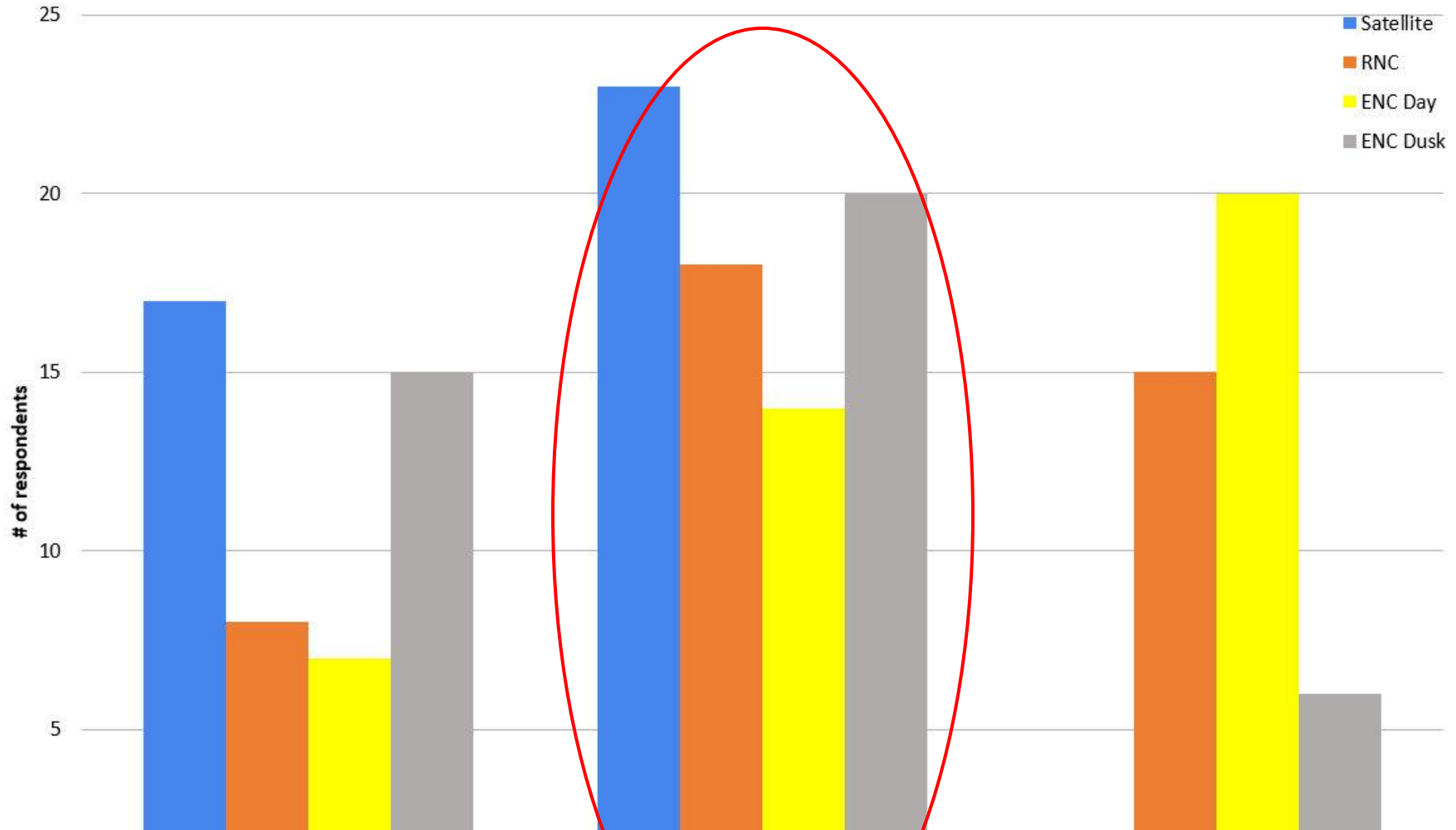
Streamline Densities selected by background



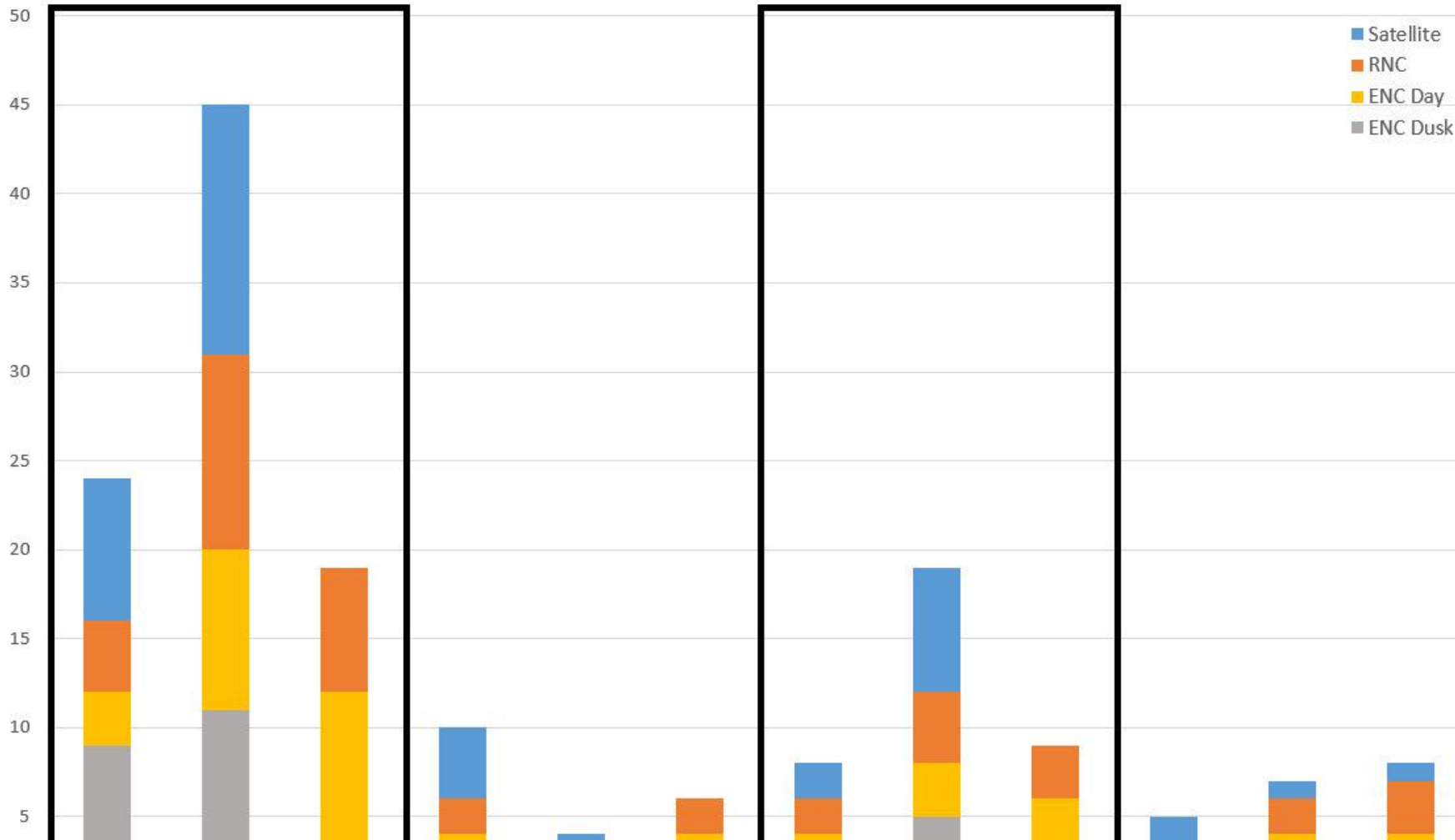
Streamline Density by User Experience



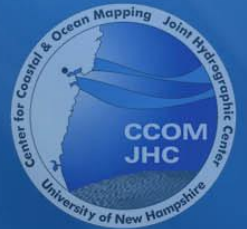
Color Schemes selected by background

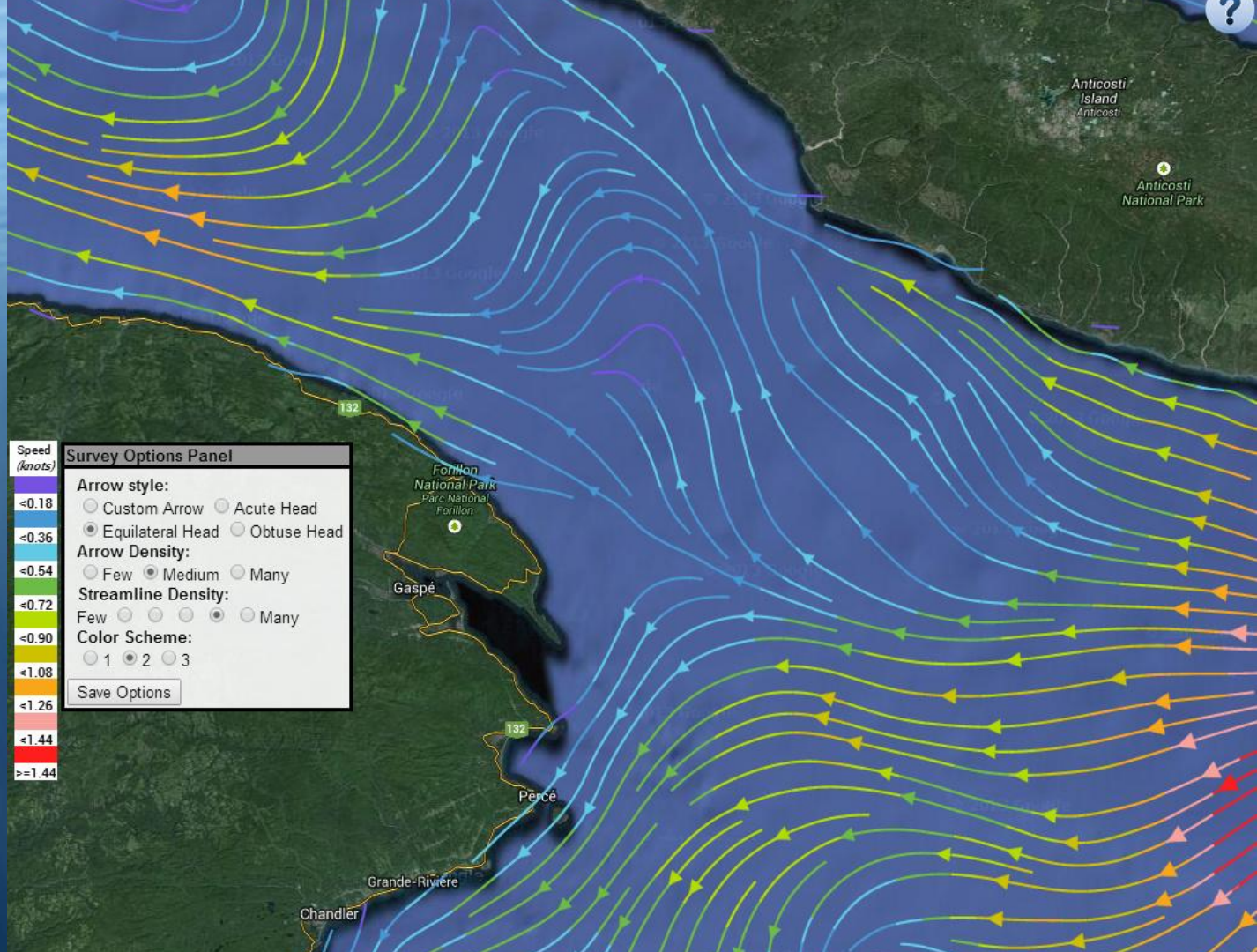


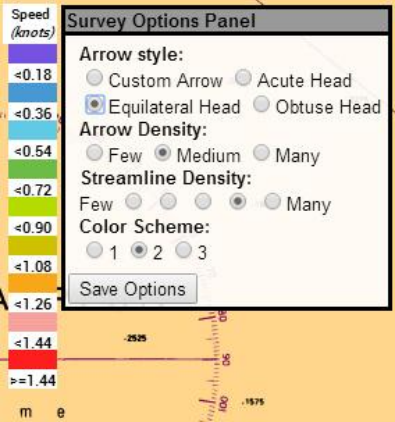
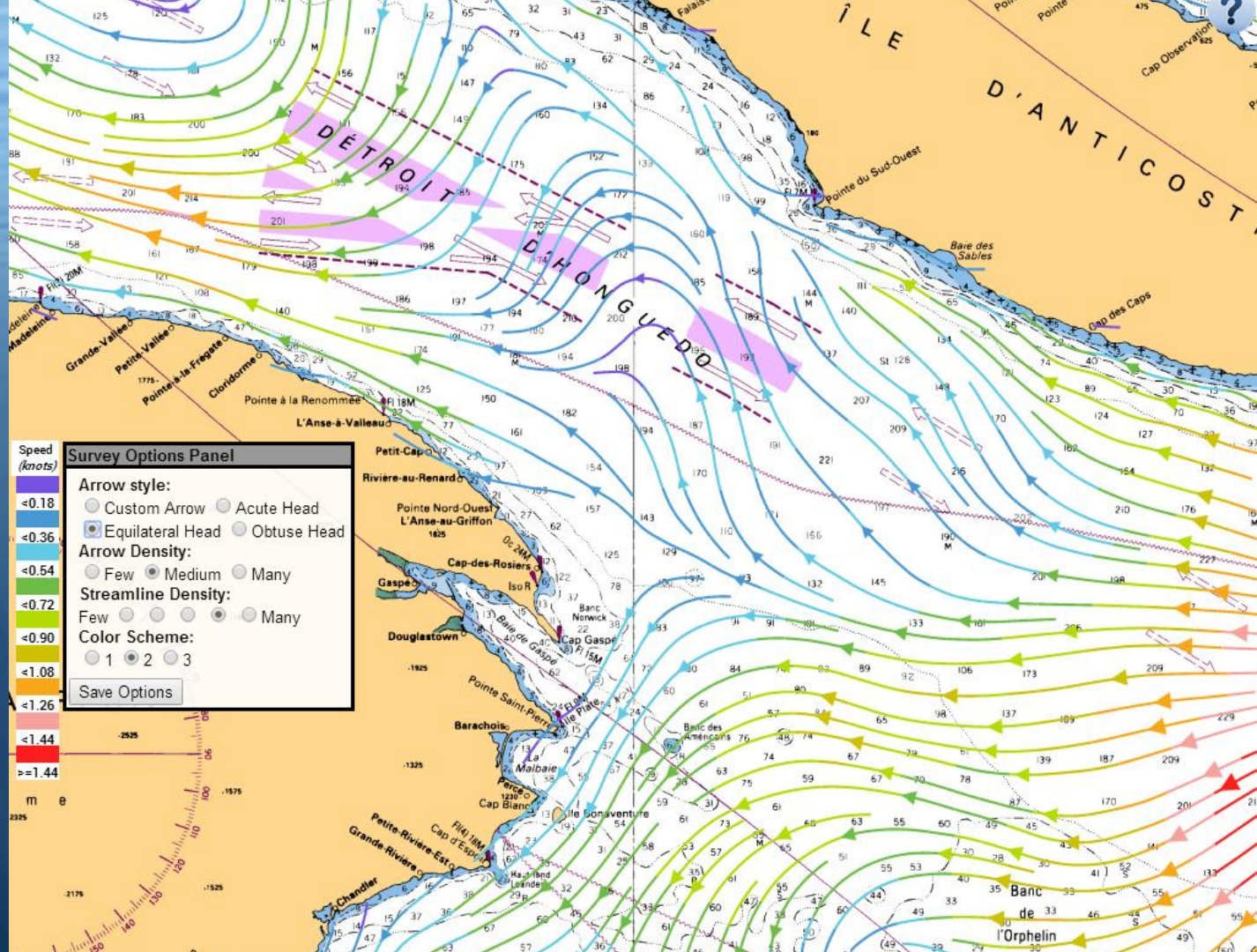
Color Scheme by User Experience



Examples of the Winning Variables...







Survey Options Panel

Arrow style:

- Custom Arrow
- Acute Head
- Equilateral Head
- Obtuse Head

Arrow Density:

- Few
- Medium
- Many

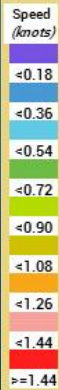
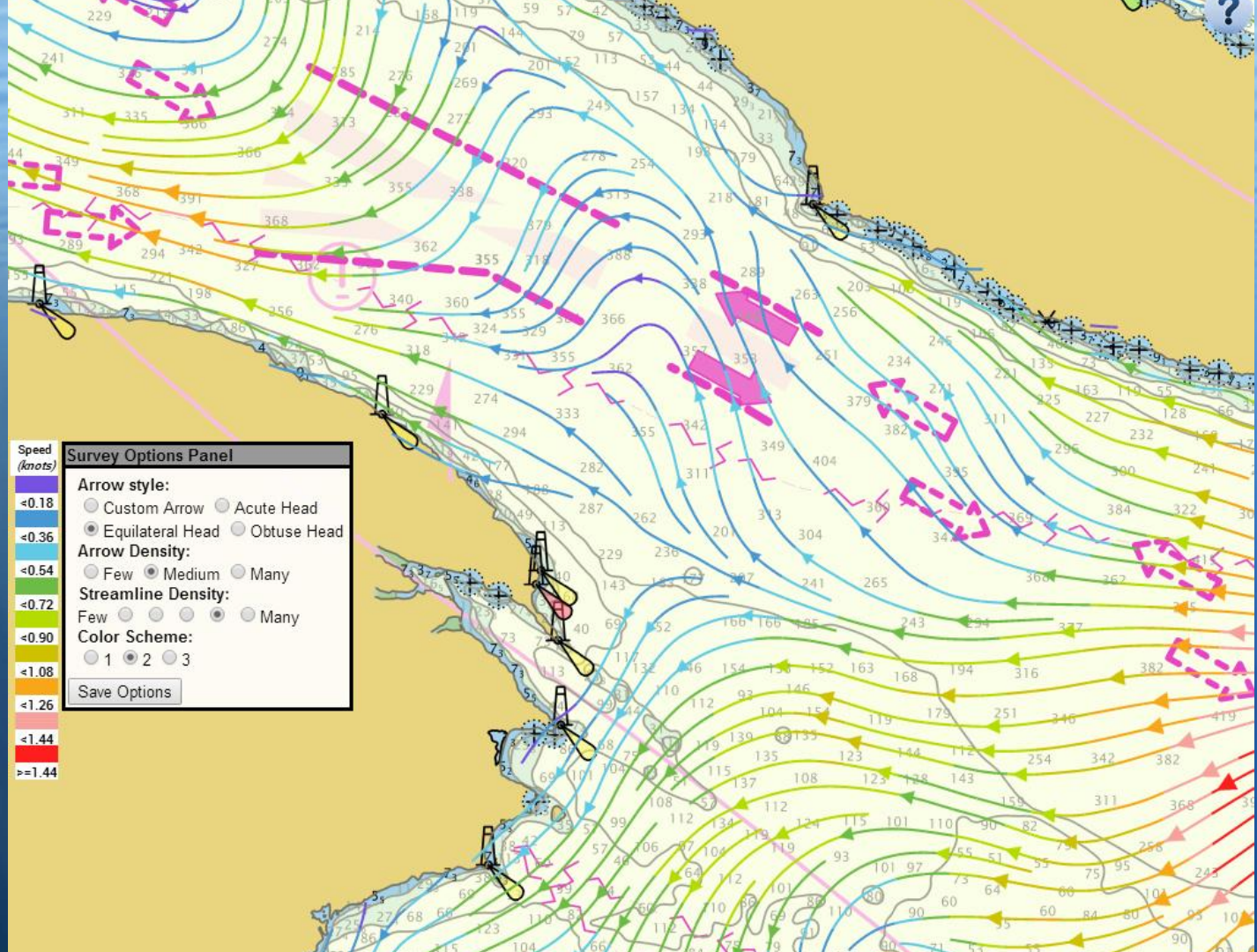
Streamline Density:

- Few
- Medium
- Many

Color Scheme:

- 1
- 2
- 3

Save Options



Survey Options Panel

Arrow style:

- Custom Arrow
- Equilateral Head
- Acute Head
- Obtuse Head

Arrow Density:

- Few
- Medium
- Many

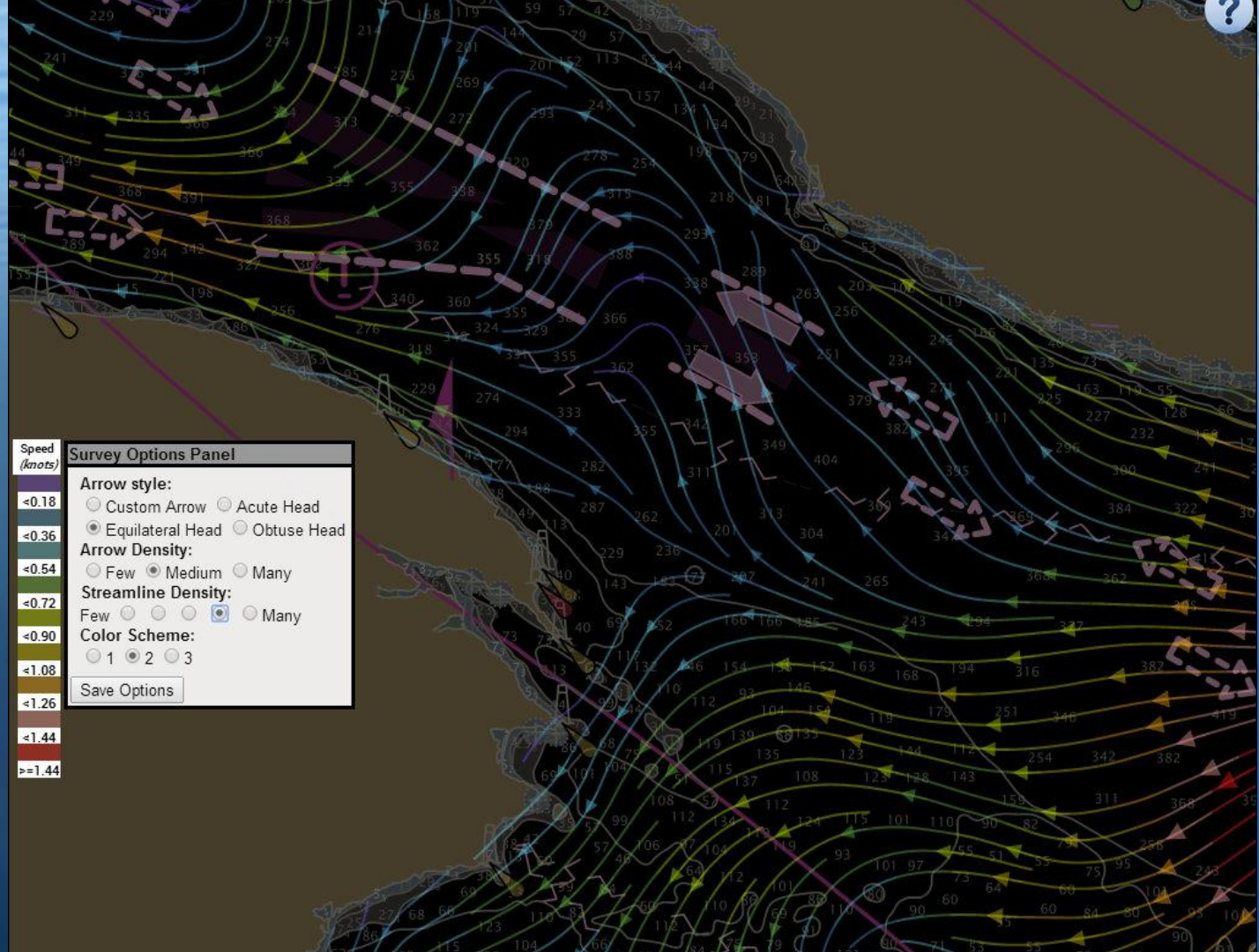
Streamline Density:

- Few
- Medium
- Many

Color Scheme:

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- 2
- 3

Save Options



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- <0.18
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Survey Options Panel

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Color Scheme:

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- 3

where the respondents are from...

