

# Coastal Land Use

## Hopkins, Belize



### Land Type

- Resort
- Hotel
- Residential
- Restaurant
- Residential/Restaurant
- Undeveloped



Data: Collected by Citizen Science GIS 2018 Research Experience for Undergraduates students and community members in Hopkins, Belize. Map created by Robert Darlington  
Disclaimer: This material is based upon work supported by the United States National Science Foundation under Grant #1560015. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

↑ North 0.5 Miles

# Community Perceptions

## Hopkins, Belize



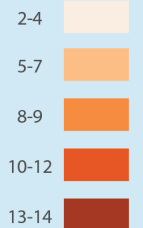
Most visited areas  
of the beach

Perceived areas  
of debris

Number of  
Perceptions  
Mapped

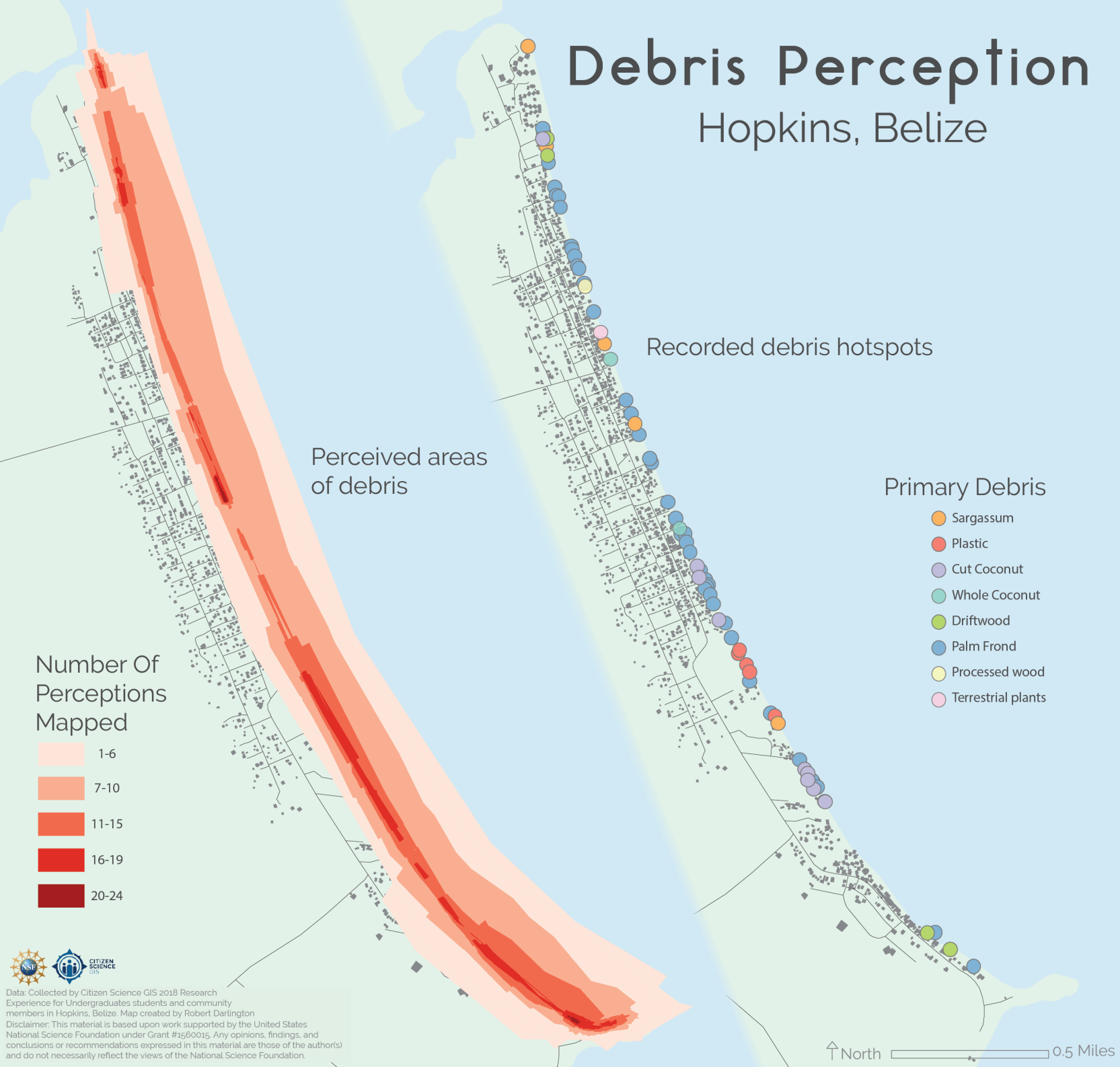


Number of  
Perceptions  
Mapped



# Debris Perception

## Hopkins, Belize



Perceived areas of debris

Recorded debris hotspots

Primary Debris

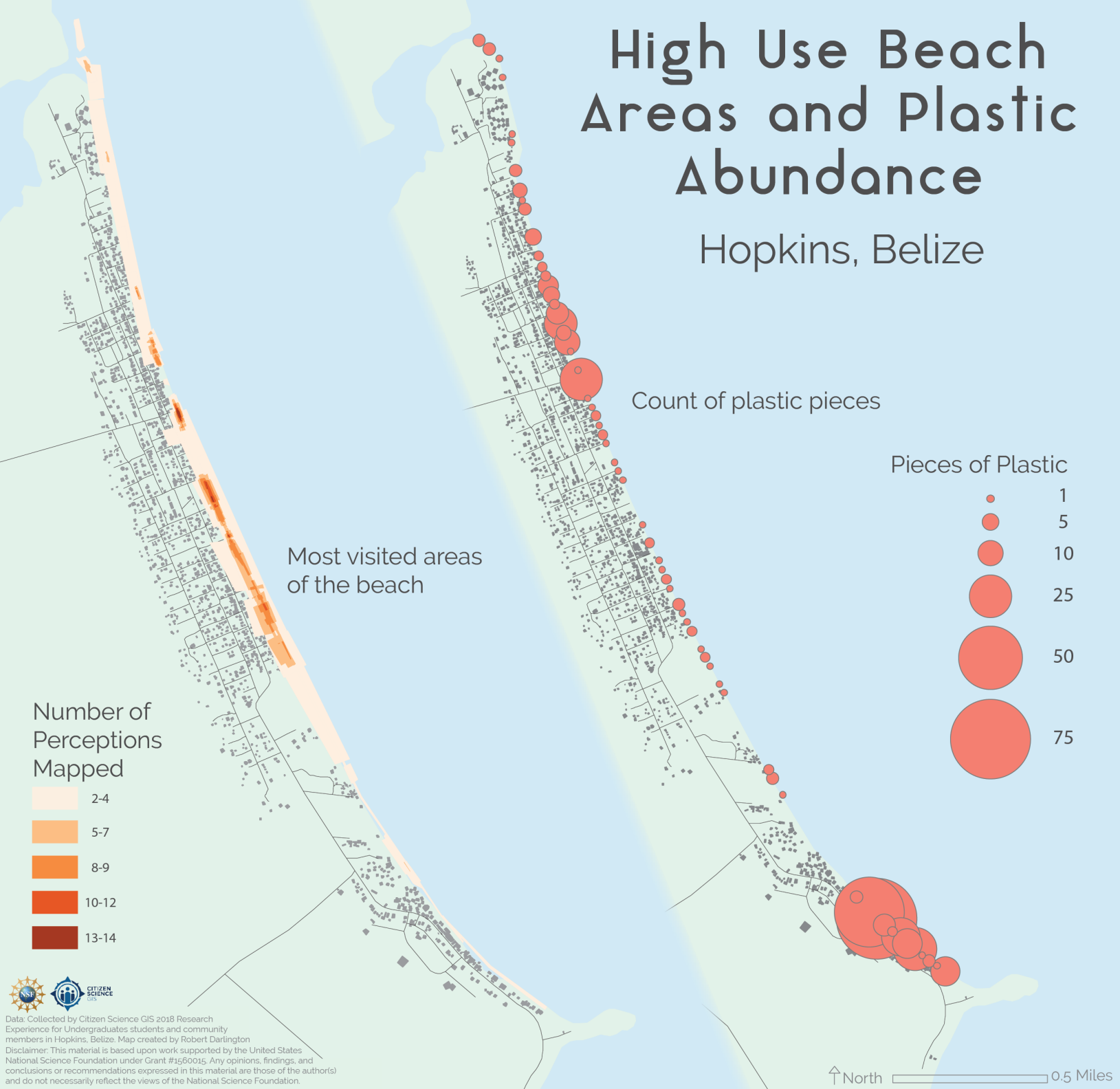
- Sargassum
- Plastic
- Cut Coconut
- Whole Coconut
- Driftwood
- Palm Frond
- Processed wood
- Terrestrial plants

Number Of Perceptions Mapped

- 1-6
- 7-10
- 11-15
- 16-19
- 20-24

# High Use Beach Areas and Plastic Abundance

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# Quadrat Materials

## Hopkins, Belize

Debris type  
Natural

- Sargassum
- Seagrass
- None

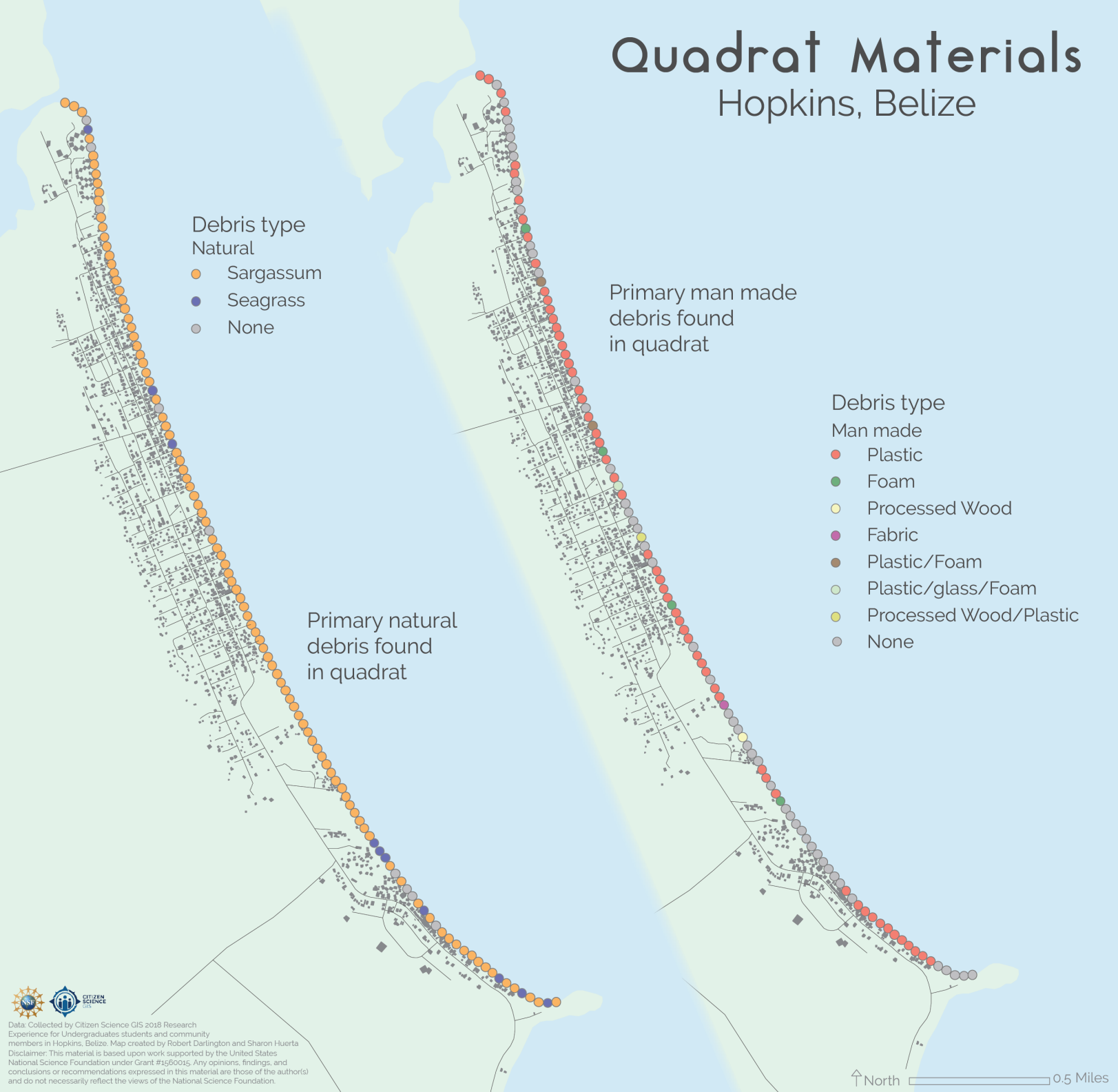
Primary man made  
debris found  
in quadrat

Debris type

Man made

- Plastic
- Foam
- Processed Wood
- Fabric
- Plastic/Foam
- Plastic/glass/Foam
- Processed Wood/Plastic
- None

Primary natural  
debris found  
in quadrat



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