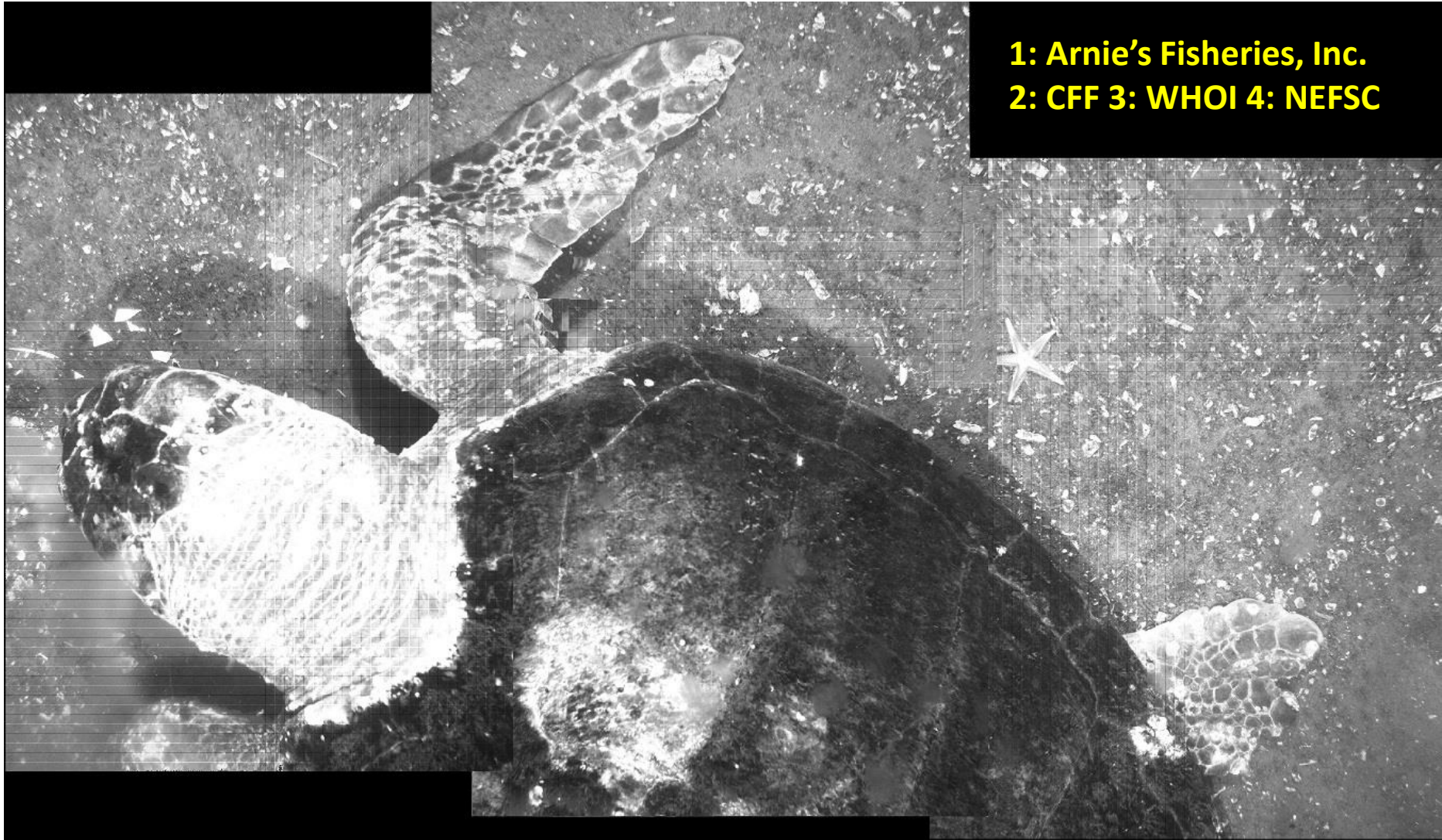


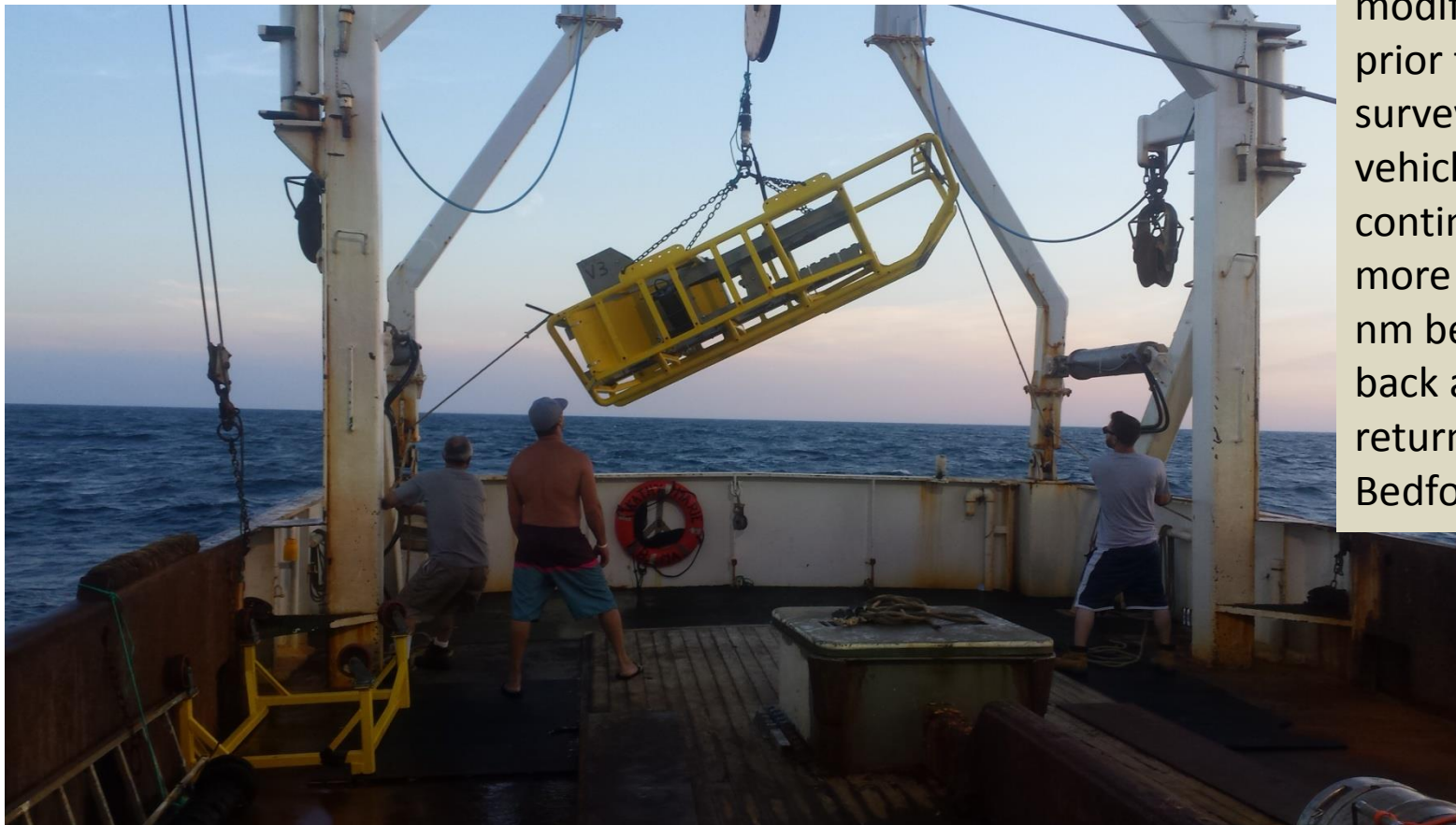
2016 RSA HabCam V3 ET Survey

Richard Taylor¹; Karen Bolles Hopkins¹; Paul Rosonina¹; Arnie DeMello¹;
Jess Holderbaum²; Jon Howland³; Han Chang⁴



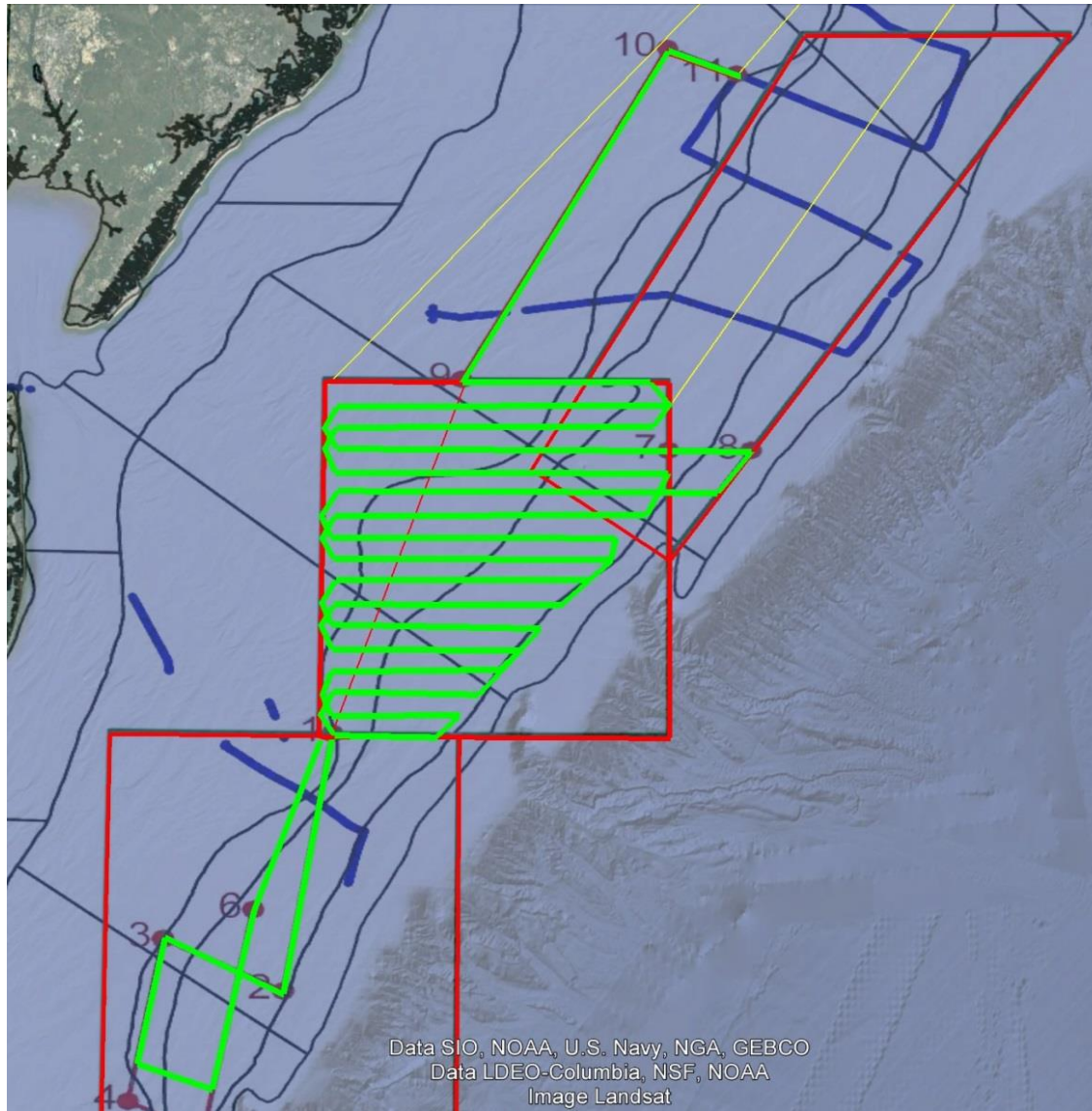
1: Arnie's Fisheries, Inc.
2: CFF 3: WHOI 4: NEFSC

- Objective: provide size compositions and biomass estimates for the ET area
- Survey vehicle: HabCam V3 (F/V Kathy Marie)
- Survey dates: 7/9-7/15



After significant modifications prior to the survey the V3 vehicle was towed continuously for more than 700 nm before haul back and returning to New Bedford.

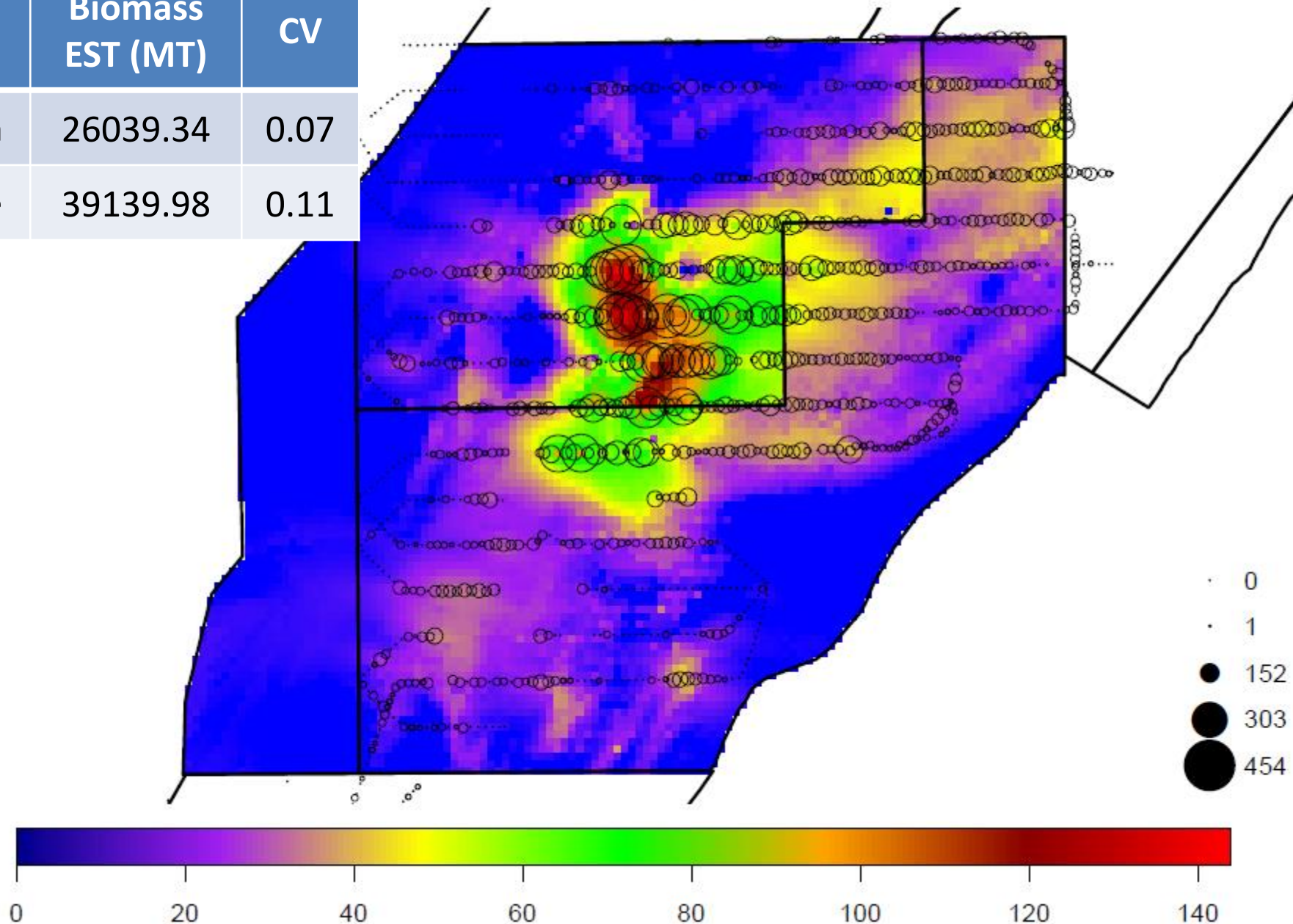
Green lines are the RSA track lines



- Transect distance:
~720 nm (2.5 nm
between track lines)
- Number of images
collected:
~2,681,249
- Number of images
annotated for ET:
~10,265 (1/200)

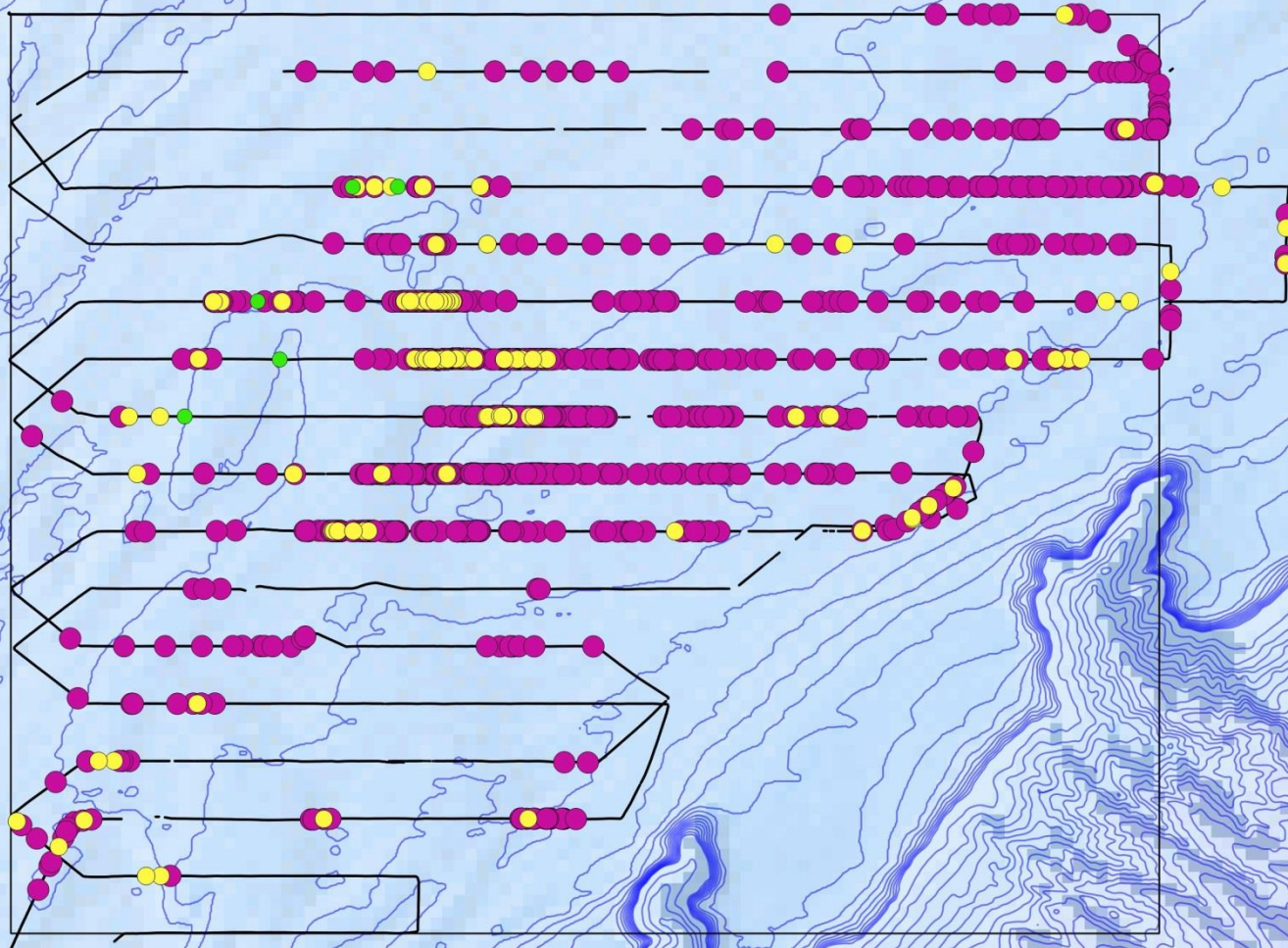
Prediction Unit: mt per km2
Observation Unit: g per m2

ET	Biomass EST (MT)	CV
Open	26039.34	0.07
Close	39139.98	0.11



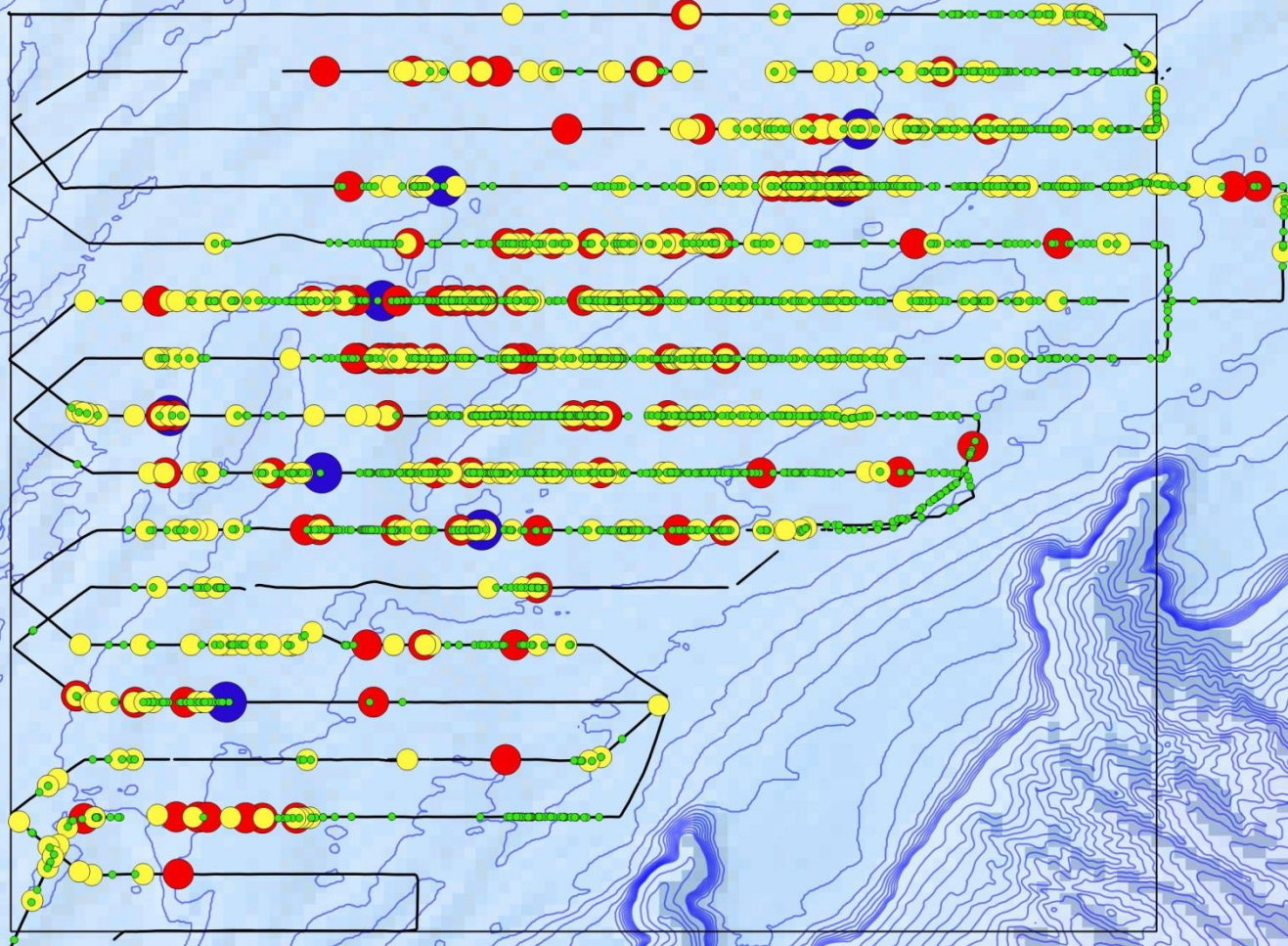
2016 Elephant Trunk - Scallop Size Distribution (mm)

- 0 - 25
- 26 - 50
- 51 - 75

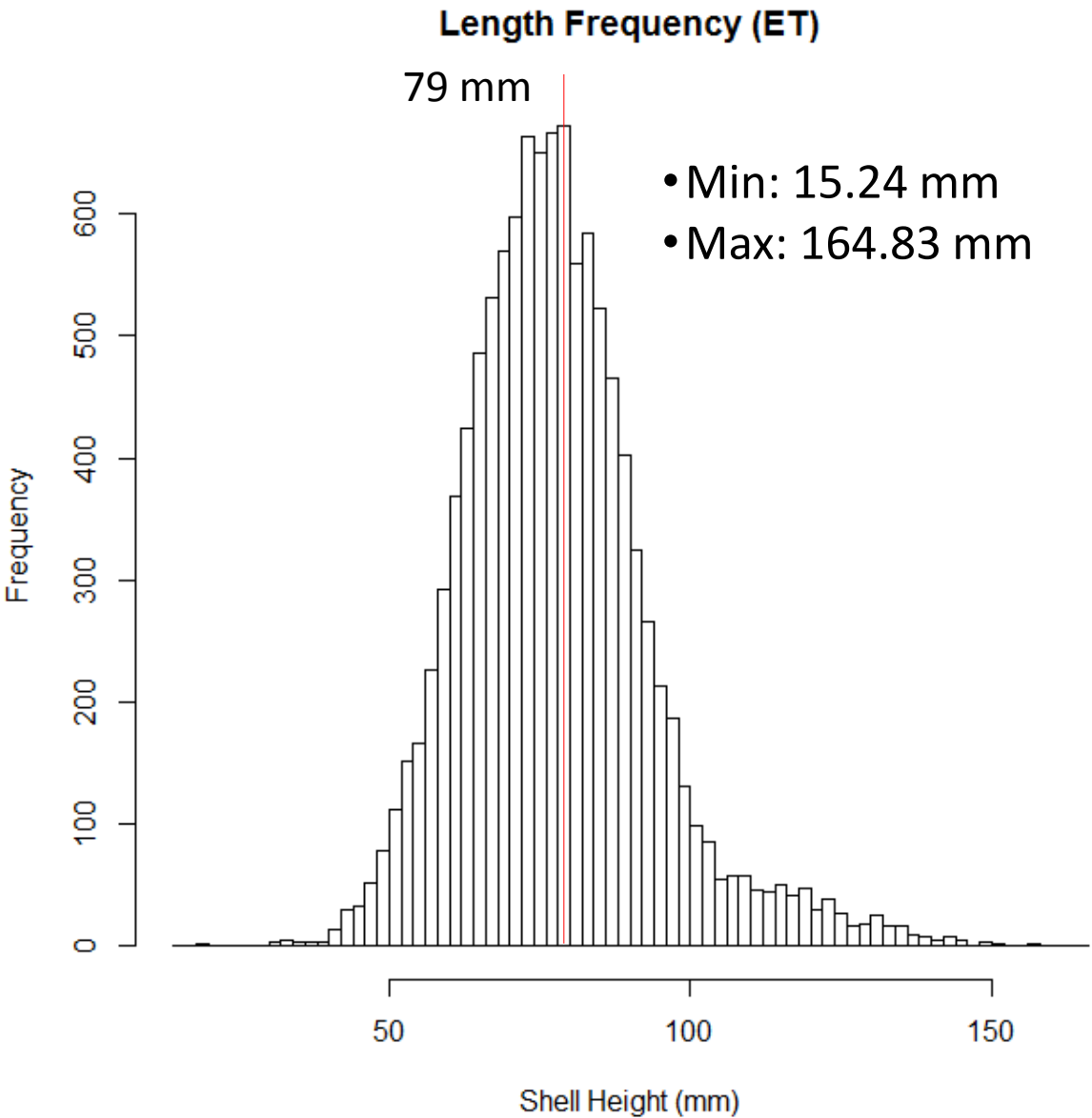


2016 Elephant Trunk - Scallop Size Distribution (mm)

- 76 - 100
- 101 - 125
- 126 - 150
- 151 - 165



SH (mm)	Frequency
0-15	1
16-30	6
31-45	93
46-60	1273
61-75	4097
76-90	4038
91-105	1195
106-120	359
121-135	173
136-150	38
151-165	8
Total	11,281



Acknowledgement

- **F/V Kathy Marie Crews**
- **Dvora Hart**
- **Burton Shank**
- **Many vehicle flyers**