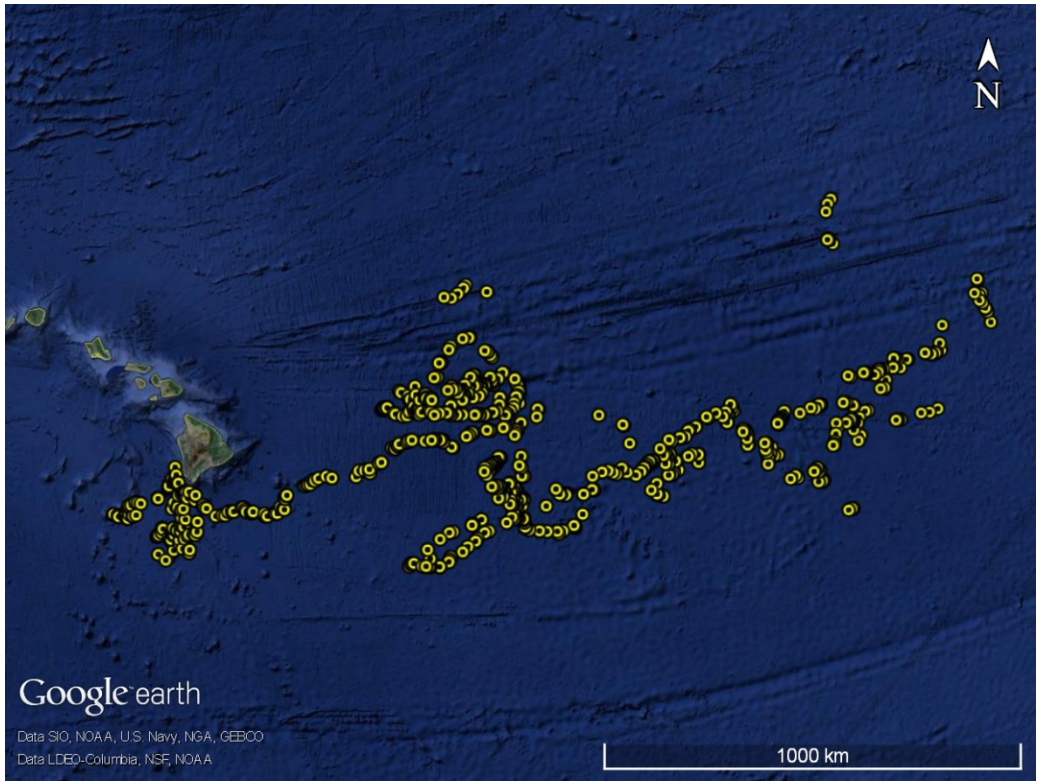
False killer whales movements in relation to longline fishing activity: assessment of interactions using satellite tag and fisheries data

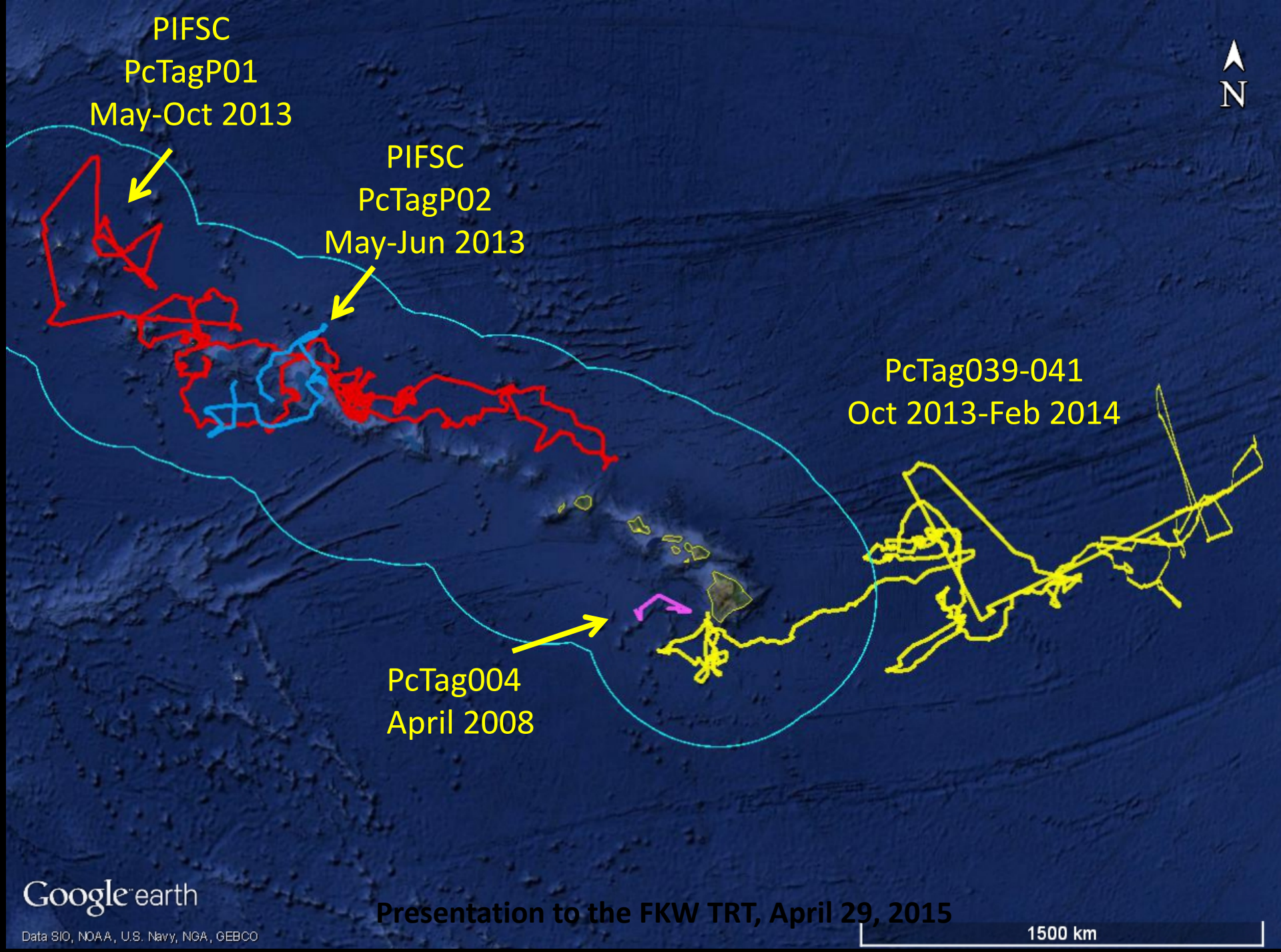


Robin W. Baird & David Anderson, Cascadia Research Collective

Erin Oleson, Amanda Bradford, Christofer Boggs, Pacific Islands Fisheries Science Center

Funded by NOAA Bycatch Reduction Engineering Program Grant

Presentation to the FKW TRT, April 29, 2015

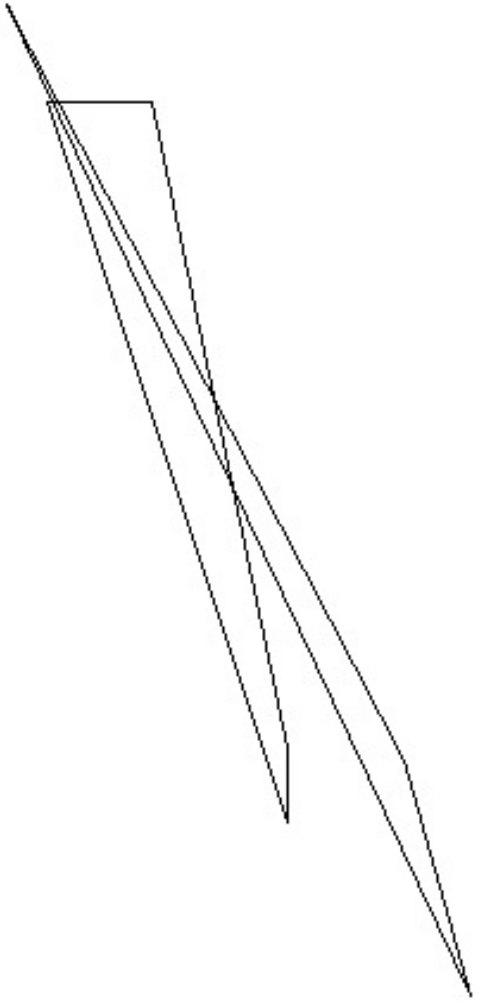


Presentation to the FKW TRT, April 29, 2015

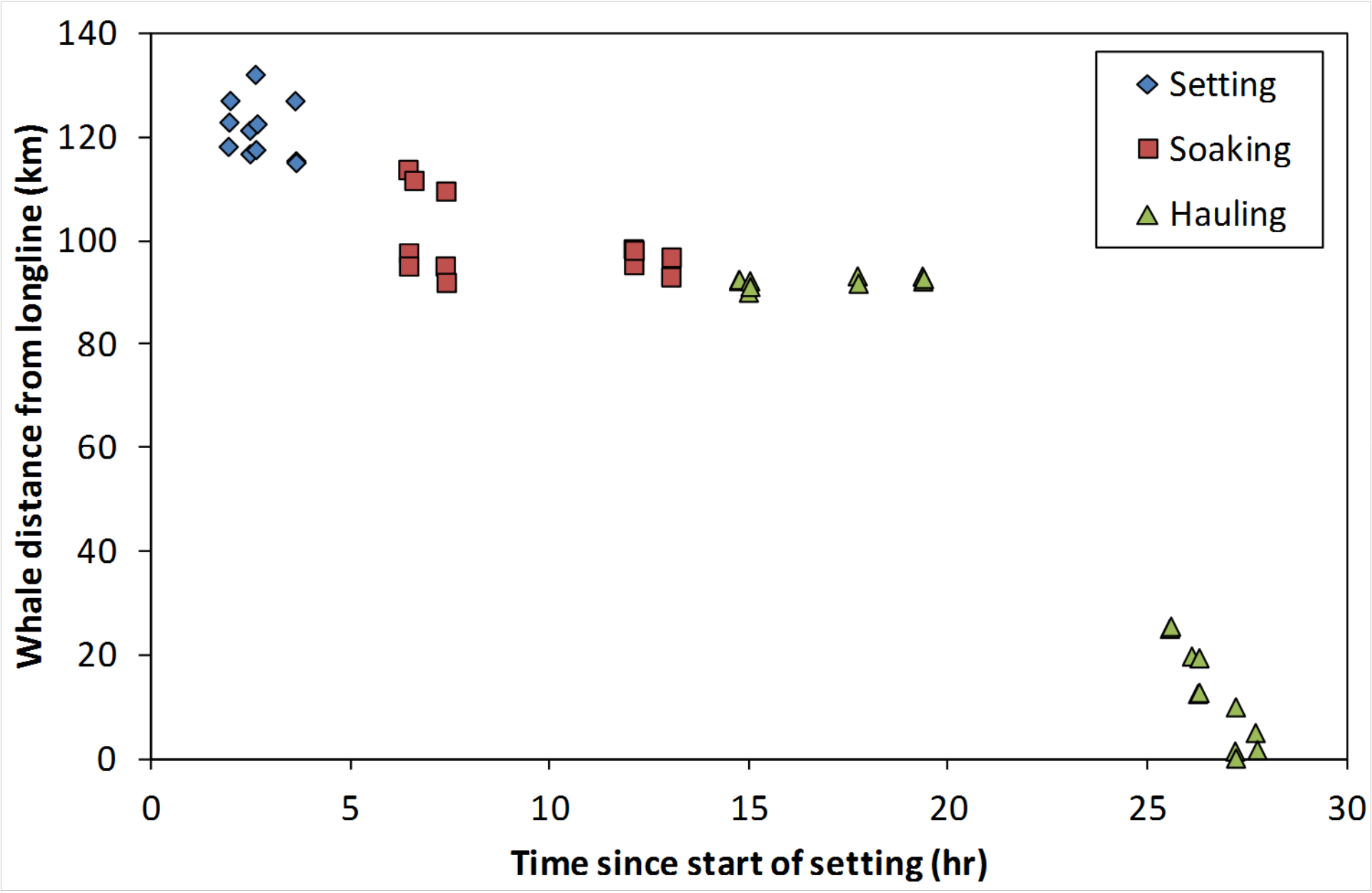
- Three tag false killer whale groups in 2013-early 2014 (2,113 tagged animal locations)
- Photo-identifications of 41 individuals from the three groups, assessed for evidence of injuries consistent with fisheries interactions
- Logbook data (4,192 sets that overlap with time frame of tag data)
- Observer data (if any longline sets within 50 km of tagged whales with observers)

Confidentiality

- Start and end locations of setting and start and end locations of hauling used to approximate set locations

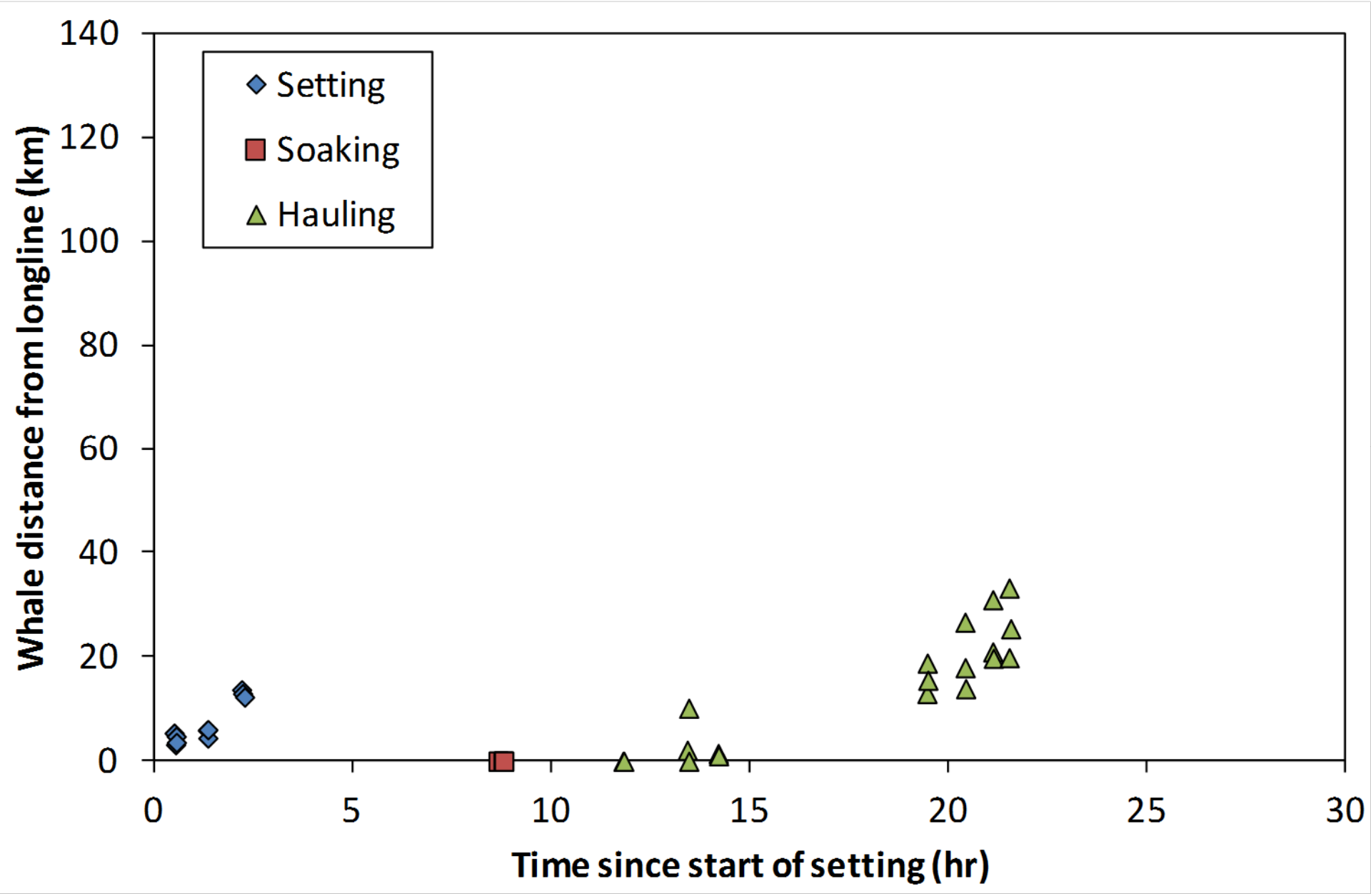


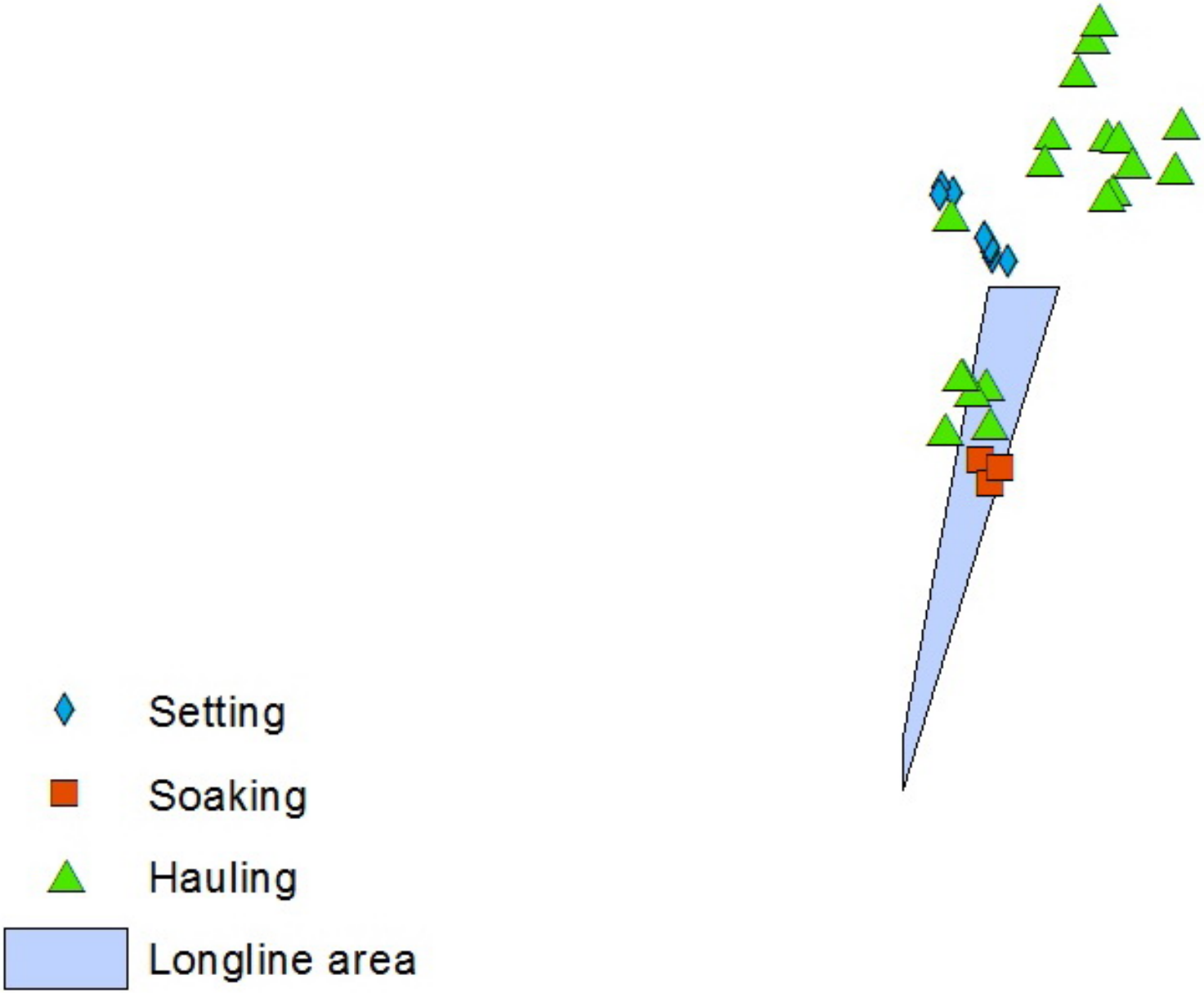
- 211 of 2,113 tagged whale locations within 100 km of longline sets
- 26 sets had two or more tagged animal locations within 100 km
- No sets with observers on board with tagged animals within 50 km
- PcTagP01 close to (<20 km) one set, but no obvious trend
- PcTagP02 within 50 km of one set but moved away during soaking



Presentation to the FKW TRT, April 29, 2015

Presentation to the FKW TRT, April 29, 2015


Setting
Soaking
Hauling
Whale distance from longline (km)
Time since start of setting (hr)
0
20
40
60
80
100
120
140
0
5
10
15
20
25
30



Presentation to the FKW TRT, April 29, 2015

(c) Robin W. Baird/Cascadia Research