

EGB Reporting

New England Fishery Management
Council

April 23, 2013

Overview

- Concern that cod catches in EGB are being reported as WGB cod
- Incentives exist to misreport due to low EGB cod quotas
- Wide range of data searched for evidence of different behavior between EGB and WGB trips
- Results inconclusive

Cod

Fishing Year	TAC	Catch (% of TAC)	Catch	Discards (% of catch)
2004	300	59%	177	23%
2005	260	94%	244	64%
2006	374	90%	335	50%
2007	494	64%	315	67%
2008	667	75%	501	15%
2009	527	89%	467	35%
2010	338	75%	254	6%
2011	200	82%	165	20%
2012 ¹	162	28%	44.9	53%

- FW 42 attributed all cod on a trip to EGB if that trip fished at all in EGB , for quota monitoring purposes.
- In recent years, vessels report fishing in more areas on a trip. This may be a function of changes in regulations.

Percent of cod
attributed to
EGB that are
from EGB
561/562

89%

30%

12%

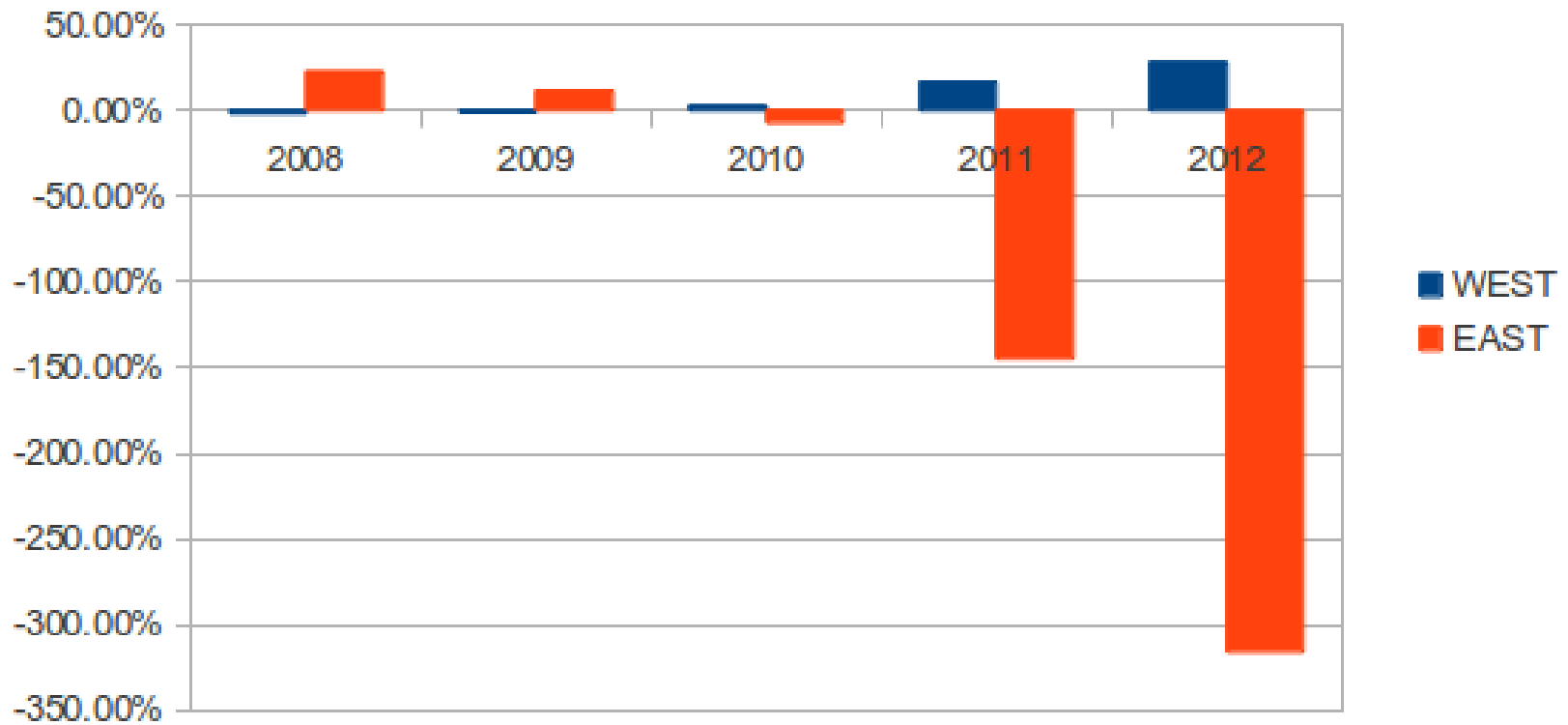
Analyses by PDT

- Absent direct evidence of misreporting, must infer reason for differences between areas, observed/unobserved trips, etc.
- Twelve different analyses summarize in report
- VMS, VTR, NEFOP/ASM, leasing data

VMS/VTR/Observer

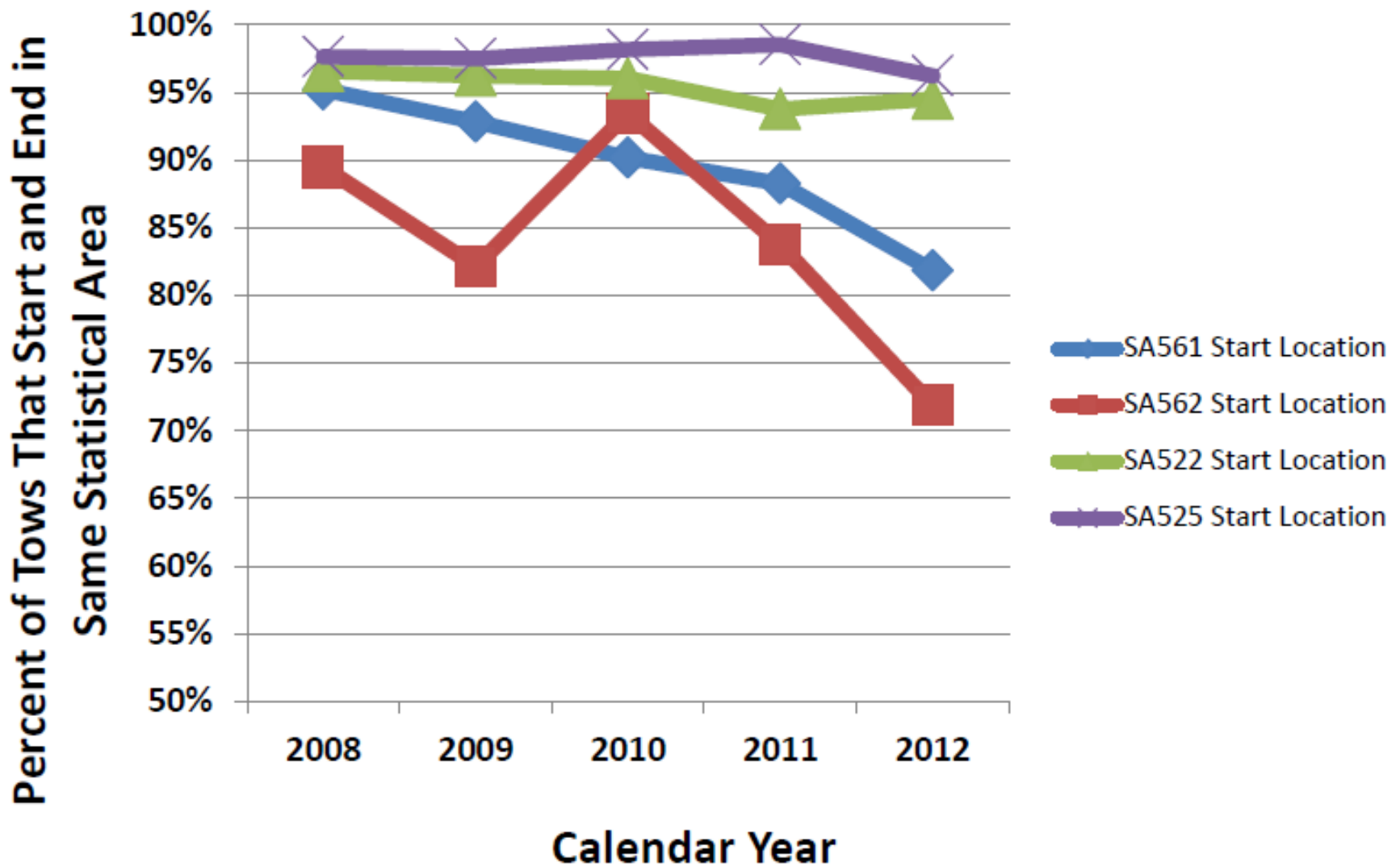
- On matched trips, VTR was a better match to observer than VMS (11 of 15 instances)
- Difference between VTR and VMS increased 2010-2012 – but which is correct?
- Little evidence presence of observer affects accuracy of catch locations
- PDT concerned over trend in difference between VMS and VTR

VTR-VMS DISCREPANCY

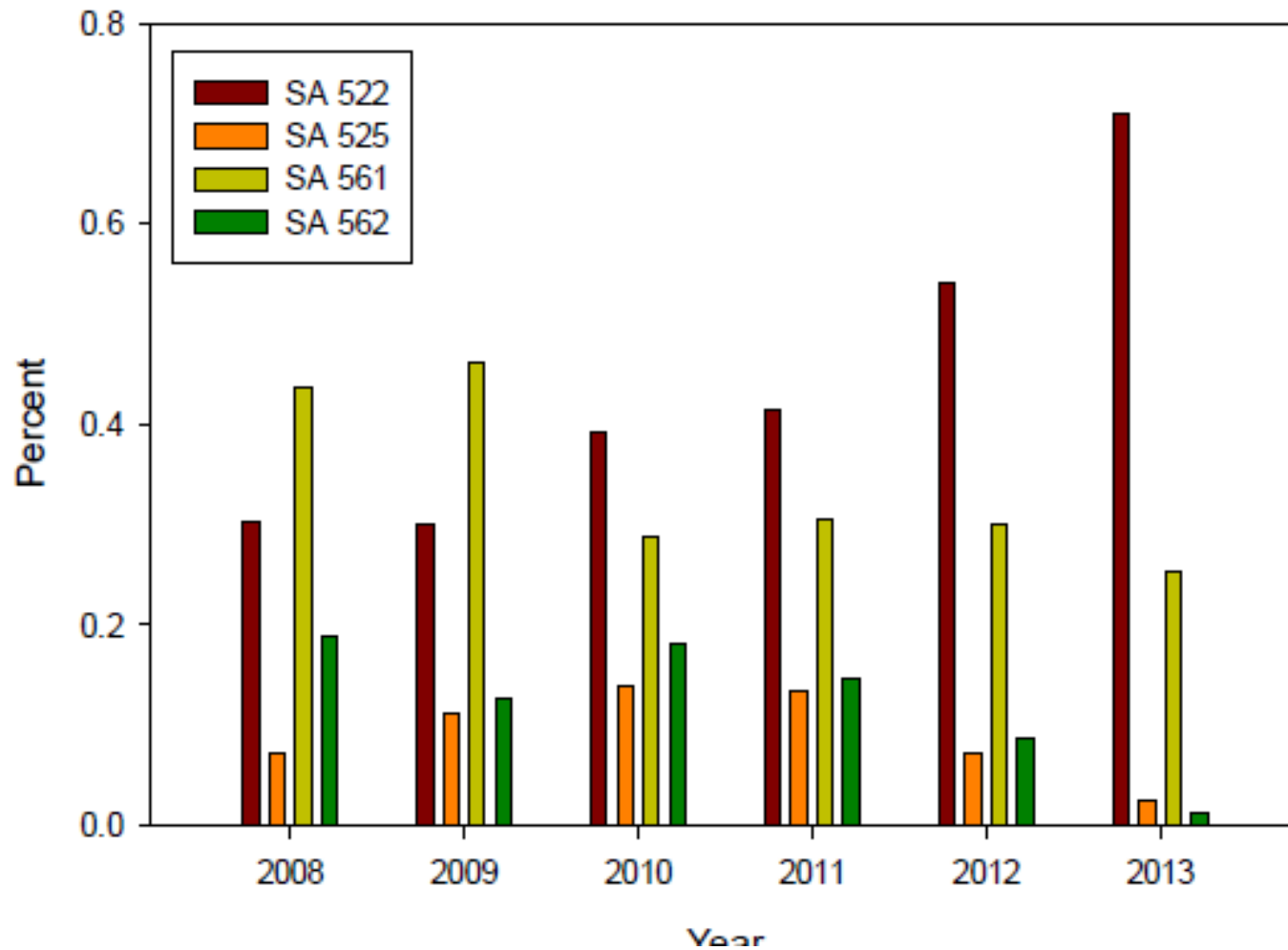


US/CA Area

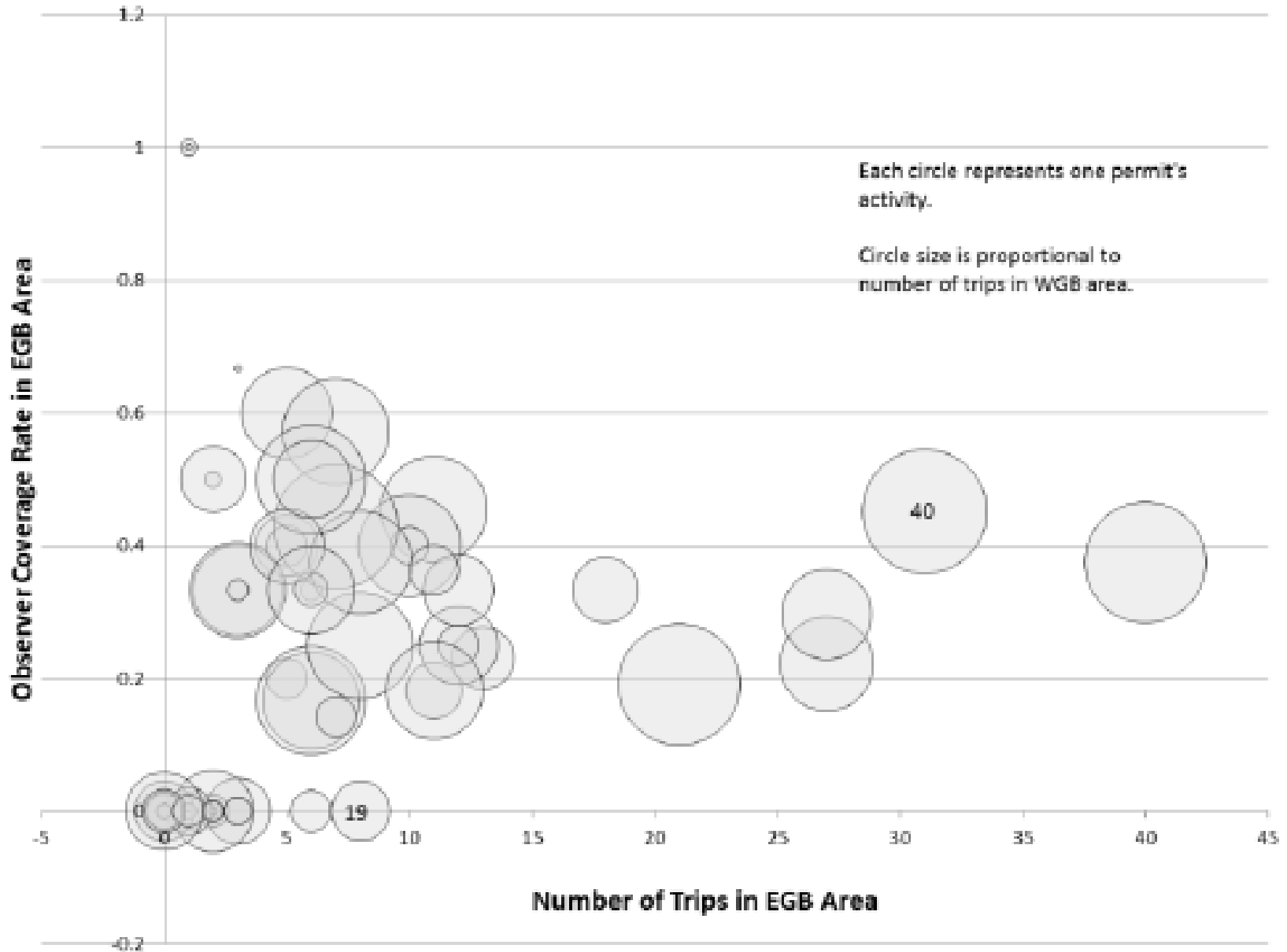
Observed Trawl Tow Start and End Locations



Percent of Observed Sub-Trips Landing Cod



FY 2011



Analysis	Is there evidence of differences by area?	Is there evidence of differences between observed/unobserved trips?	Is there evidence that differences changed over time?
Allocation by VMS/VTR/Observer	Ambivalent	Mixed	Yes
VTR Trip Distribution	Yes	No	No
Observer Trip Distribution	Yes	No	No
Observer Coverage Rates	Yes	NA	No
DMIS Trip Area Distribution	NA	Mixed	Mixed
DMIS Catch Distribution	NA	Mixed	Mixed
Observed catch rates	Yes	NA	Yes
Observed tow start and end locations	Yes	NA	Yes
EGB/WGB fishing and observer assignment	Mixed	Mixed	No
Leasing Activity	Yes	NA	Yes
Correlation of cod/haddock	Yes	NA	Yes

PDT Conclusions

- Differences in behavior between EGB and WGB ,and between observed and unobserved trips
- Differences are not all consistent with misreporting hypothesis
- Incentive to misreport is clear
- Some administrative tools might reduce reporting discrepancies