



NOAA
FISHERIES
SEFSC

Early Adopter Program Update

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Devices by state (including waiting list)

Vendor	Unit	Florida	Alabama	Mississippi	Louisiana	Texas	Gulfwide
Woods Hole Group	Nemo	0	0	0	0	7	7
Viatrax	Boat Command	6	3	5	19	53	86
Remote Data Sensing	ZenVMS	13	6	9	10	46	94
Wait List	TBD	8	2	6	10	71	97
Total Install		29	9	14	29	106	187
Total Volunteer		37	11	20	39	177	284



Devices purchased/projected

Fiscal Year	Number of devices	Cost per installation	Funds provided to GSMFC	Minus GSMFC overhead
2023	120	\$2,897	\$360,000	\$347,602
2024	180	\$2,443	\$450,000	\$439,715
2025	238	\$2,643	\$663,000	\$629,000
2026	346	\$2,500	\$911,000*	\$865,450
Totals	884	\$2,581	\$2,384,000	\$2,281,767
Actual				
projected				

* Includes 61K to pay back extra M&A in FY24

Current number of vessels with SPGM permits: 1,192

Active vessels with SPGM permits 2023-2024: 854



Sampling frame / strategy

- Target at least 630 offshore SPGM vessels*
- Results in a fleet wide sampling rate of 52.8%
- Designed under "equal to or better than past 10 years coverage" guidance of ~45-50%

Details:

- Proportional coverage of Penaeid vessels stratified within 5 area (sz 1-3, 4-8, 9-14, 15-18, 19-21) x 3 season (Jan-Apr, May-Aug, Sep-Dec) = 15 space/time blocks.
- Unbiased sample with inclusion of early adopters achieved by:
 - Further dividing vessels in the 15 space/time blocks by last 3 years of landings.
 - Assign to 3 categories of equal size: Top $\frac{1}{3}$ of landings, middle $\frac{1}{3}$, and bottom $\frac{1}{3}$
 - Vessels with early adopter devices will be removed from the frame and selection of the remaining vessels will proceed to reach the coverage target within each category.

*Increased levels of monitoring may also be considered to address ESA interactions

Timeframe for incorporation of early adopter data

- Current - data is being received and is in the correct format. I.e. is suitable for the SEFSC Effort Algorithm (Dettloff)
- Ongoing - continue monitoring data quality
 - Ability of vendors to send data through API
 - Ability to accept the quantity of data received
 - Ensure the quality of the data received
- Future - (once we have a rule) incorporate as the official data collection program and the basis for Gulf shrimp fishery effort estimation



Questions?

