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Council Update: Evaluate cVMS as an Alternative to the Gulf of Mexico Shrimp cELB Program.

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Why are we conducting this evaluation?

Data transmission using the current cELB unit is no longer possible due to the 3G network is no longer being supported. Automated GPS data upload is required for timeliness and completeness.

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Who manufactures cVMS Units?

Both cVMS providers agreed to deploy units free of charge for testing



3G CDMA cELB



Cell Providers no longer support 3G for data transmission

What is the underlying technology?

A **Global Positioning System (GPS) chip** is a microchip that is used in a GPS receiver, which receives signals from four or more of the 27 GPS satellites currently orbiting Earth. A GPS device can calculate its position based on the amount of time it takes to receive a signal from each of the four satellites.

Recording device (SSD card) and all devices can be set to record location at any interval.

Cellular device to call home and upload data when in range of port.

Data Logger also incorporates motion sensor.

There is no expectation that these data streams will be different.

Deployments

Vessel	Home Port	Number of Vessels?	Installed?	Faria	Woods Hole	cELB	FishBit data logger
RV Caretta	Pascagoula, MS	1	Late May	X		X	X
RV Southern Journey	Pascagoula, MS	1	Early May		X	X	X
Shrimp Vessel	Chauvin, La	1 or 2	Recent/June		X	X	
Shrimp Vessel	Fort Myers, Fl	3	Early May	X		X	
Shrimp Vessel	Sneads Ferry, N.C.	1	June		X	X	

Data will be available late summer 2022 for analyses.