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Submerged Aquatic Vegetation

GULF OF
MEXICO
ALLIANCE

Ecological Endpoint: SAV

■ Indicators:

■ Seagrass plant health

- N:P ratio in tissues
- PAM fluorescence

■ Seagrass bed health

- Bed metabolism > SHARQ

■ Seagrass coverage & distribution

- Aerial or remote sensing

Ecological Endpoint: SAV

- Seagrass plant health
 - N:P ratio in tissues
 - Lab analysis of ratio relative to seagrass Redfield ratio
 - PAM fluorescence
 - PAM fluorometer

Ecological Endpoint: SAV

- Seagrass bed health
 - Bed metabolism > SHARQ
 - Productivity/respiration in enclosures placed on grassbed

Ecological Endpoint: SAV

- Seagrass coverage & distribution
 - Aerial or remote sensing
 - Needs ground truthing
- Indirect nutrient linkage:
 - Light availability as function of phytoplankton in overlying water
 - Phyto would be measured in comparison to shading effects rather than bloom potential.