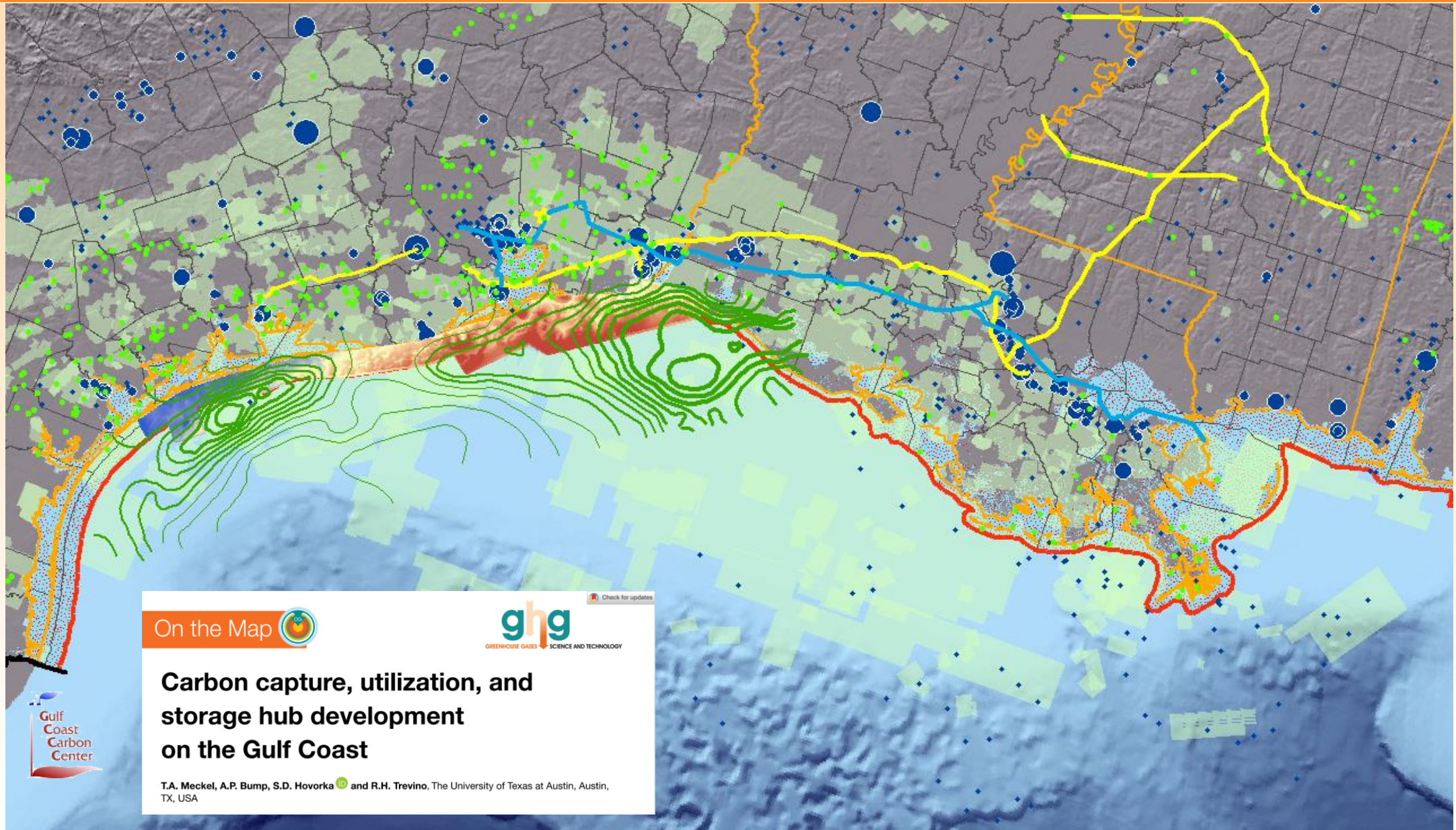


Increased Inquiries About CCS from Stakeholders – a Status Update



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Some Gulf Coast Lease announcements

Location	State	Acres	Sq. Mi.
Lake Charles	LA (private)	TBD	
Brownsville	TX St Waters	TBD	
OCS	FED Waters	541,440	846
6 Parishes	LA (state land)	45,511	71
	TX	6,550	10
5 Parishes	LA	122,455	191
Donaldsonville	LA	84,000	131
Mobile	AL	75,000	117
JeffCo	TX St Waters	44,511	70
MS River	LA	26,000	41
PCCA	TX	13,000	20
		958,467	1,498

The Infrastructure Investment and Jobs Act (the “Infrastructure Act”), signed into law by President Biden on November 15, 2021, amends the Outer Continental Shelf Lands Act (“OCSLA”) to allow for it and directs the Department of the Interior to establish a permitting framework within a year of President Biden’s signature. Companies interested in offshore geologic sequestration should follow the agency’s progress closely.

SEC. 40307. GEOLOGIC CARBON SEQUESTRATION ON THE OUTER CONTINENTAL SHELF.

(a) Definitions.--Section 2 of the Outer Continental Shelf Lands Act (43 U.S.C. 1331) is amended--

- (1) in the matter preceding subsection (a), by striking “When used in this Act--” and inserting “In this Act:”;
- (2) in each subsection, by inserting a subsection heading, the text of which is comprised of the term defined in the subsection;

(3) by striking the semicolon at the end of each subsection (other than subsection (q)) and “; and” at the end of subsection (p) and inserting a period; and

(4) by adding at the end the following:

“(r) Carbon Dioxide Stream.--

“(1) In general.--The term ‘carbon dioxide stream’ means carbon dioxide that--

“(A) has been captured; and

“(B) consists overwhelmingly of--

“(i) carbon dioxide plus incidental associated substances derived from the source material or capture process; and

“(ii) any substances added to the stream for the purpose of enabling or improving the injection process.

“(2) Exclusions.--The term ‘carbon dioxide stream’ does not include additional waste or other matter added to the carbon dioxide stream for the purpose of disposal.

“(s) Carbon Sequestration.--The term ‘carbon sequestration’ means

the act of storing carbon dioxide that has been removed from the atmosphere or captured through physical, chemical, or biological processes that can prevent the carbon dioxide from reaching the atmosphere.”.

(b) Leases, Easements, or Rights-of-way for Energy and Related Purposes.--Section 8(p)(1) of the Outer Continental Shelf Lands Act (43 U.S.C. 1337(p)(1)) is amended--

(1) in subparagraph (C), by striking “or” after the semicolon;

(2) in subparagraph (D), by striking the period at the end and inserting “; or”; and

(3) by adding at the end the following:

“(E) provide for, support, or are directly related to the injection of a carbon dioxide stream into sub-seabed geologic formations for the purpose of long-term carbon sequestration.”.

(c) Clarification.--A carbon dioxide stream injected for the purpose of carbon sequestration under subparagraph (E) of section 8(p)(1) of the Outer Continental Shelf Lands Act (43 U.S.C. 1337(p)(1)) shall not be considered to be material (as defined in section 3 of the Marine Protection, Research, and Sanctuaries Act of 1972 (33 U.S.C. 1402)) for purposes of that Act (33 U.S.C. 1401 et seq.).

(d) Regulations.--Not later than 1 year after the date of enactment of this Act, the Secretary of the Interior shall promulgate regulations to carry out the amendments made by this section.

More on OCS...

- The Infrastructure Act amends OCSLA by adding key definitions for carbon capture and sequestration.
- The Infrastructure Act amends OCSLA's leasing provisions to authorize Interior to grant leases, easements, and rights-of-way on the OCS for the purpose of carbon sequestration.
- Infrastructure Act specifically excludes “carbon dioxide stream[s] injected for the purpose of carbon sequestration” from the Ocean Dumping Act's definition of “material”.
- The Interior Department will need to begin work quickly if it is to establish a permitting framework for the offshore sequestration of captured carbon within the Infrastructure Act's one year period after signing (November 2022).
- Meckel was one of 4 to provide testimony to a US House Subcommittee on Natural Resources (April, 2022).
 - *Ms. Nichole Saunders Environmental Defense Fund,*
 - *Mr. Carroll Muffett, Center for International Environmental Law, and*
 - *Mr. Erik Milito, National Ocean Industries Association. Muffett*

LCO₂ – Marine transport

- **Greek shipowner Peter Livanos** is backing a new player in the carbon capture, utilisation and storage (CCUS) arena, **EcoLog**, that plans to become a leading global midstream business with a virtual pipeline of **60 ships**, along with associated import and export terminals, to transport 50m tons of CO₂ a year by 2035.
- **Daewoo Shipbuilding & Marine Engineering (DSME)** announced that it has obtained basic approval for a 70,000m³ class liquefied carbon dioxide carrier from the **American Bureau of Shipping (ABS)**.
- **Ship-based CO₂ capture (SBCC)**
 - **Scorpio Tankers** and **Carbon Ridge** are collaborating on onboard carbon capture.
- **Everlong CCUS** is looking into integrating SBCC into LNG carriers.
- **Global Centre for Maritime Decarbonisation**
- **Equinor, Shell, TotalEnergies, Gassco** and classification society **DNV** announced the kick-off of a new JIP to develop low-pressure solutions for the transportation of CO₂ by ships.
- **Petronas** has signed a MoU with leading global shipping company **Mitsui O.S.K. Lines, Ltd.** to jointly explore opportunities in liquefied CO₂ transportation for the carbon capture, utilization and storage (CCUS) value chain in the **Asia Pacific and Oceania** regions.



GoMCarb Partnership Annual Meeting

May 18, 2022

New Orleans, Louisiana

