2799 Utah Statewide Carbon Storage Assessment: Geological Data Gathering, Analysis, Sharing, and Engagement

Project Goals

- Aggregate, produce, analyze, and disseminate organized and accurate geological data for effective carbon storage (CS) in the state of Utah
- Create an interactive website application ("Web App") that allows the visualization, storage, and systematic download of CS assessments
- Strongly consider societal and environmental impacts and social justice frameworks in all tasks and interactions
- Set the stage for future business investment in Utah

Web Based Tool

What it will include:

- Geological and technical data relevant to CCUS exploration
- Free publicly accessible map products and reports
- A free database of well, core, and petrophysical data

Who is it for?

- The public, universities, government officials, industry, and community partners

What will it be used for?

- Natural resources estimates
- Future CCUS opportunities in Utah
- Teaching and education on CCUS in Utah

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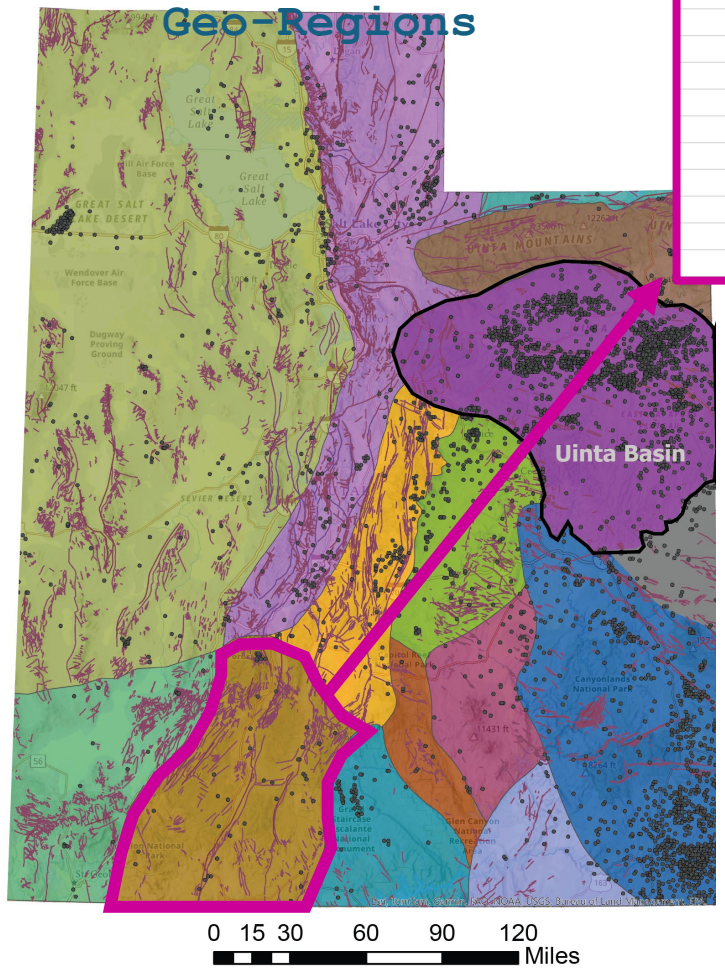
Core and Cuttings Available at UCRC by Geo-Regions



Geo_Region	Reservoir Name	Depth (ft)	Depth Source	Net Thickness (ft)	Net Thickness Source	Permeability (mD)	Permeability Source	Porosity (%)	Porosity Source	Area
High Plateuas	Dakota Sandstone	6,500	Panguitch #1 Well; API 430	200.0	Hintze and Kowallis	0.08	Avg from PP datab	13	Avg from PP datab	109.0
High Plateuas	Kaibab Limestone	10280	Panguitch #1 Well; API 430	170.0	Hintze and Kowallis	281	From AAPG Oil and	12.000	From Fed Apple 2	82.0
High Plateuas	Navajo Sandstone	8,960	Dixie Unit 2; API 430173010	1600.0	Hintze and Kowallis	80	Sprinkel et al 2007	8.00	Iron Mnt project	186.0
High Plateuas	None	None	None	None	None	None	None	None	None	0.0
High Plateuas	Kaibab Limestone	11,500	Panguitch-1 Well	100.0	estimate	281	From AAPG Oil and	17	From AAPG Oil and	582.2
High Plateuas	Navajo Sandstone	6,000	Well Report	1500.0	Hintze and Kowallis	80	Sprinkel et al 2007	12.00	Sprinkel et al 2007	582.2
High Plateuas	Kaibab Limestone	7,000	Johns Valley Unit 2	170.0	120-230 ft thick (Fro	281	From AAPG Oil and	17	From AAPG Oil and	2500.0
High Plateuas	Navajo Sandstone	4200	only in NE and NW corners;	1600	Estimated from Hintz	80	Sprinkel et al 2007	12.00	Sprinkel et al 2007	610
High Plateuas	White Rim Sandstone	7,200	Wells - depths go from 420	170.0	Estimated from Hintz	1.58	*Avg from Weber i	15	Copied from From B	954.3
High Plateuas	none	none	none	none	none	none	none	none	none	0.0
High Plateuas	none	none	none	none	none	none	none	none	none	0.0

Key Project Deliverables:

- Data Gaps Report
- CCUS potential by Geo-Region Report
- Seal/Reservoir Risk Mapping
- Publicly available database of relevant CCUS Data i.e., core, cuttings, wells, XRF, porosity/permeability, salinity

Example 'final' web application from the geochronology resources web app