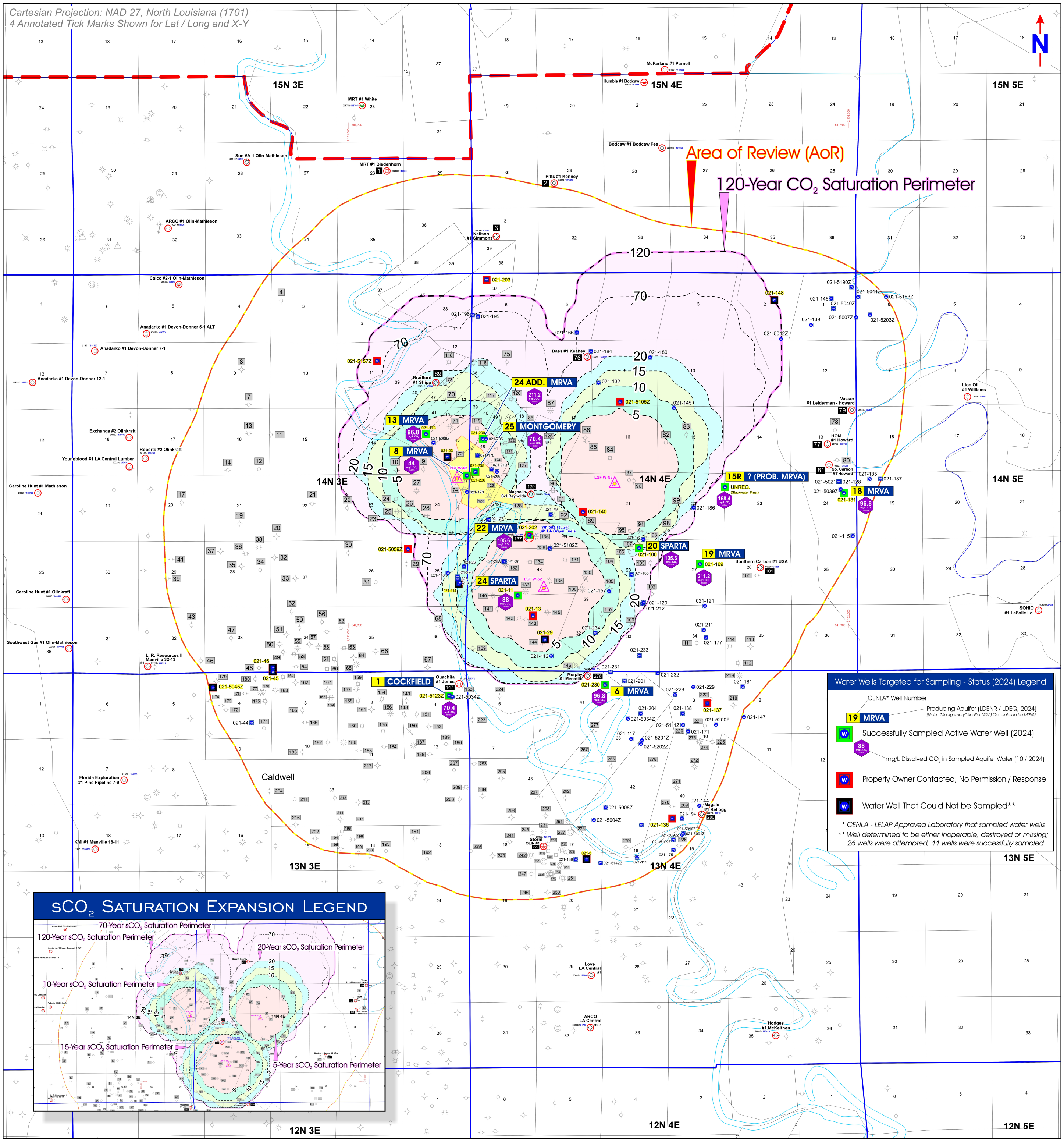

Prepared Pursuant to LAC 3603.H.2

Louisiana Board of Professional Geoscientists – Steven S. Walkinshaw – License #65 – 2014

Date: January 21, 2025

Map Legend

- "**Shallow**" Well (Not drilled deep enough to reach Top Chalk)
- 153 — AP Number (Indentifier) - "**Shallow**" Well (Not drilled deep enough to reach Top Selma Chalk, as indicated by gray well symbol)
- "**Deep**" Well (Drilled deep enough to encounter Top Chalk)
- 147 — AP Number (Indentifier) - "**Deep**" Well (Drilled deep enough to encounter Top Selma Chalk, circled in red with black well symbol)
- 88018 / 975841 — **Louisiana State Serial Number** - "**Deep**" Wells only; API Number - "**Deep**" Wells only (State & Parish API code numbers not shown; last 4 trailing zeros not shown. Example: 17021**88018**0000)
- General Facility Area - Louisiana Green Fuels ("LGF") Plant; Proposed Class VI Injection Well; LADNR "Registered" Water Well with LADENR Water Well Number (021-26)
- 021-209 — LDENR "Registered" Water Well Symbol & Number (2024) - Targeted For Sampling Following Consultation with / Guidance From LDENR (Color of Square Varies; See Water Well Legend at Upper Right)

Active Freshwater Wells within AoR

Figure 2.51

Active Water Wells Within the AoR

Wells Targeted for Sampling / Sampled (2024)

sCO2 Saturations - 5 to 120 Years

Primary Injection Zone (Upper Tusc. / Paluxy)

STRATEGIC BIOFUELS

Louisiana Green Fuels Site - Area of Review
Caldwell Parish, Louisiana

Active Water Wells Located Within the AoR
Water Wells Targeted for Sampling / Sampled (2024)
sCO2 Saturations - 5 to 120 Years

Scale = 1:24000 (0, 2000, 4000, 6000 ft)

Geological & Geophysical Interpretations: Steven S. Walkinshaw, P.G. (LBOPG #65)

(Sorted by S-T-R)

(Sorted by T/R)

Water Wells Listed as Active (LDENR, 2024) Within the LGF AoR That Were Targeted for Sampling - Includes Status as of October 2024

Water Well Num	Sampled CENLA Num	Longitude (DMS)	Latitude (DMS)	Owner's Name (LDENR / LDEQ)	Current Owner's Name (Parish Tax Assessor)	Able to be Sampled?	Well Depth	Geologic Unit	Available Info	Drillers Name	Section	Township	Range	Water Level	Date Measured	Owners Number	Casing Diameter	Parish Name	Aquifer Name	Use Description	Well Status	NAD 83 Longitude (Decimal Degrees)	NAD 83 Latitude (Decimal Degrees)	NCAT Coordinate Conversion NAD 27, LA North 1701 X	NCAT Coordinate Conversion NAD 27, LA North 1701 Y
021-5123Z	1	920644	320826	ROWLAND, EARL	Earl Lynn Rowland	Yes	116	124CCKF	Driller Log, Water Level	WILLIAMSON (DW)	1	13N	03E	62	3/21/2000	null	4	CALDWELL	COCKFIELD AQUIFER	domestic	Active	-92.11222222	32.14055556	2,120,069.5920	536,284.2460
021-5045Z	2	921024	320833	SESNEY, CECEL	Anthony & Carolyn Cater Credeur	No (No Power at Pump)	78	124CCKF	Driller Log, Water Level	WILLIAMSON, D.	4	13N	03E	52	12/1/1988	null	2	CALDWELL	COCKFIELD AQUIFER	domestic	Active	-92.17333333	32.1425	2,101,152.5840	536,929.1020
021-137	3	920244	320819	ELLIS, BILLY G	Bellview Farms, Inc C/O Sharon Ellis Rogers	No (Unable to Contact)	120	112MRVA	Driller Log	GUILLOT, GREG	3	13N	04E	0	null	null	10	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.04555556	32.13861111	2,140,706.8940	535,657.2630
021-6	4	920437	320616	LA POWER & LIGHT	Jimmy Dee McCann & Jennifer Nicole Mixon McCann	No (No Longer Operational)	622	124SPRT	Driller Log	LAYNE (LA)	17	13N	04E	0	null	null	null	CALDWELL	SPARTA AQUIFER	rural public supply	Active	-92.07694444	32.10444444	2,131,039.8970	523,188.8380
021-136	5	920317	320648	ELLIS, BILLY G	Bellview Farms, Inc C/O Sharon Ellis Rogers	No (Unable to Contact)	115	112MRVA	Driller Log	GUILLOT, GREG	40	13N	04E	0	null	null	8	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.05472222	32.11333333	2,137,907.4190	526,450.0350
021-230	6	920419	320834	DUCKHORN FARM	Duckhorn Farm, L.L.C.	Yes	90	112MRVA	null	GILLESPIE WATER WELLS	41	13N	04E	25	7/31/2019	null	10	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	domestic	Active	-92.07194444	32.14277778	2,132,532.9860	537,139.6800
021-5157Z	7	920750	321251	KELLEY, HUGH	Grand Cypress Plantation, LLC, Attn: Brian Malone	No (Unable to Contact)	97	124CCKF	Driller Log, Water Level	MEYERS'	11	14N	03E	20	11/7/2003	null	4	CALDWELL	COCKFIELD AQUIFER	domestic	Active	-92.13055556	32.21416667	2,114,303.7840	563,042.7600
021-236	8	920627	321120	EAST COLUMBIA WATER SYSTEM	East Columbia Water District, C/O Dale Powell	Yes	240	112MRVA	null	WATSON WELL DRILLING, LLC	24	14N	03E	23	3/22/2021	#2- 2020	10	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	municipal public supply	Active	-92.1075	32.18888889	2,121,467.4780	553,872.2320
021-214	9	920635	320954	USACE	USA Dept. of Army	No (Contacted, Doesn't Exist)	87.7	124CCKF	null	CASCADE DRILLING L.P.	25	14N	03E	7.8	1/3/2019	#101	8	CALDWELL	COCKFIELD AQUIFER	null	Active	-92.10972222	32.165	2,120,811.3410	545,179.4170
021-5059Z	10	920722	321022	WILKINS, PAUL B	Holly Wilkins	No (Unable to Contact)	110	124CCKF	Driller Log, Water Level	WILLIAMSON, D.	25	14N	03E	32	8/14/1993	null	2	CALDWELL	COCKFIELD AQUIFER	domestic	Active	-92.12277778	32.17277778	2,116,761.6610	547,994.4830
021-45	11	920928	320845	KILBY, H A	Charles Thomas & Maria Brown	No (No Longer Operational)	525	124SPRT	Quality of Water, Water Level	THOMAS, DOYLE	34	14N	03E	135	00/00/63	null	2	CALDWELL	SPARTA AQUIFER	domestic	Active	-92.15777778	32.14583333	2,105,963.3440	538,156.5990
021-46	12	920929	320848	KILBY, H A	Charles Thomas & Maria Brown	No (No Longer Operational)	210	124CCKF	Quality of Water, Water Level	THOMAS, DOYLE	34	14N	03E	135	00/00/64	null	2	CALDWELL	COCKFIELD AQUIFER	domestic	Active	-92.15805556	32.14666667	2,105,876.4150	538,459.4790
021-172	13	920705	321153	MCKEITHEN TRUST	Esperance, LLC et. al. C/O Lee W. Willis	Yes	100	112MRVA	Driller Log, Water Level	SON GILLESPIE	41	14N	03E	21	7/25/1997	null	10	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.11805556	32.19805556	2,118,190.3230	557,195.2130
021-23	14	920645	321135	REYNOLDS, O N	Esperance, LLC et. al. C/O Lee W. Willis	No (No Longer Operational)	700	124SPRT	Quality of Water	LAYNE (LA)	43	14N	03E	0	null	null	4	CALDWELL	SPARTA AQUIFER	domestic	Active	-92.1125	32.19305556	2,119,915.2900	555,382.4140
021-148	15	920140	321338	EARNEST, MARTY	Salt Lake Farm Partnership	No (No Longer Operational)	84	112MRVA	Driller Log, Water Level	HAMMETT & SONS	2	14N	04E	16	3/18/1991	null	12	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.02777778	32.22722222	2,146,068.9010	567,915.8940
NA (Unregistered) *	15R	920226	321186	NA (Unregistered)	Slackwater Farms	Yes	NA	NA, Prob. MRVA	null	NA	23	14N	04E	null	null	null	null	CALDWELL	UNKNOWN, PROBABLY MRVA	irrigation	Active	-92.04065	32.185733		
021-5105Z	16	920404	321218	SEALTY, HARRY	Blackjack Farms, LLC	No (Unable to Contact)	78	112MRVA	Driller Log, Water Level	WILLIAMSON (DW)	9	14N	04E	21	8/3/1999	null	4	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.06777778	32.205	2,133,732.2550	559,780.0620
021-140	17	920439	321051	COON, VERNON	Ernest & Una Johnson	No (Unable to Contact)	70	112MRVA	Driller Log, Water Level	BENNETT	20	14N	04E	22	3/8/1996	null	4	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.0775	32.18083333	2,130,759.4910	550,976.7540
021-131	18	920036	321105	CLARK, ISREAL W	Roy Dale Clark	Yes	83	112MRVA	Driller Log, Water Level	HAMMETT & SONS	24	14N	04E	19	7/20/1988	2	10	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.01	32.18472222	2,151,636.1540	552,479.5710
021-169	19	920250	321009	RDF FARMS	The Inc Wetlands	Yes	108	112MRVA	Driller Log, Water Level	SCOTT	27	14N	04E	22	11/4/1996	null	16	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.04722222	32.16916667	2,140,144.5520	546,770.5710
021-100	20	920347	321022	SPOONER, FRANK	The Inc Wetlands	Yes	427	124SPRT	Geophysical, Quality of Water	LEE PLUMBING	28	14N	04E	0	null	null	2	CALDWELL	SPARTA AQUIFER	test hole	Active	-92.06305556	32.17277778	2,135,240.1270	548,064.0690
021-203	21	920608	321355	DREW KEAHEY	Sarah V Gregory	No (Unable to Contact)	92	112MRVA	null	GILLESPIE WATER WELLS	37	14N	04E	26	3/16/2013	null	10	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.10222222	32.23194444	2,123,042.6360	569,541.1460
021-202	22	920529	321033	DREW KEAHEY	Chapetal Enterprises LLC C/O Ryan & William Chappell	Yes	100	112MRVA	null	GILLESPIE WATER WELLS	44	14N	04E	27	3/15/2013	null	10	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	irrigation	Active	-92.09138889	32.17583333	2,126,469.4140	549,141.3280
021-13	23	920526	320929	TEXAS GAS TRANS	NA	No (Unable to Contact)	485	124SPRT	Driller Log, Quality of Water	CARLOSS	45	14N	04E	0	null	1	6	CALDWELL	SPARTA AQUIFER	commercial public supply	Active	-92.09055556	32.15805556	2,126,751.6910	542,675.1060
021-11	24	920540	320945	DUKE, EARL	Drew & Rebecca Keahey	Yes	400	124SPRT	Quality of Water	LITTLE, JOE	45	14N	04E	0	null	null	null	CALDWELL	SPARTA AQUIFER	domestic	Active	-92.09444444	32.1625	2,125,542.1980	544,287.3680
021-209 (ADD.)	24 ADD.	920612	321149	DREW KEAHEY	Drew & Rebecca Keahey	Yes	92	112MRVA			49	14N	04E	26	null	null	null	CALDWELL	MISSISSIPPI RIVER ALLUVIAL AQUIFER	domestic	Active	-92.10333333	32.19694444		
021-235	25	920619	321123	EAST COLUMBIA WATER SYSTEM	East Columbia Water District, C/O Dale Powell	Yes	240	112MGMR	null	WATSON WELL DRILLING, LLC	48	14N	04E	23	3/20/2021	#1- 2020	10	CALDWELL	MONTGOMERY AQUIFER	municipal public supply	Active	-92.10527778	32.18972222	2,122,153.8230	554,177.8860
021-29	26	920515	320945	BAUMAN, BILL F	NA (reconnaissance from road - no sign of well)	No (No Longer Operational)	250	124CKMN	null	HAMMETT & SONS CARLOSS	45	14N	04E	0	null	null	6	CALDWELL	COOK MOUNTAIN AQUIFER	commercial public supply	Active	-92.0875	32.15277778	2,127,704.5660	540,758.7520