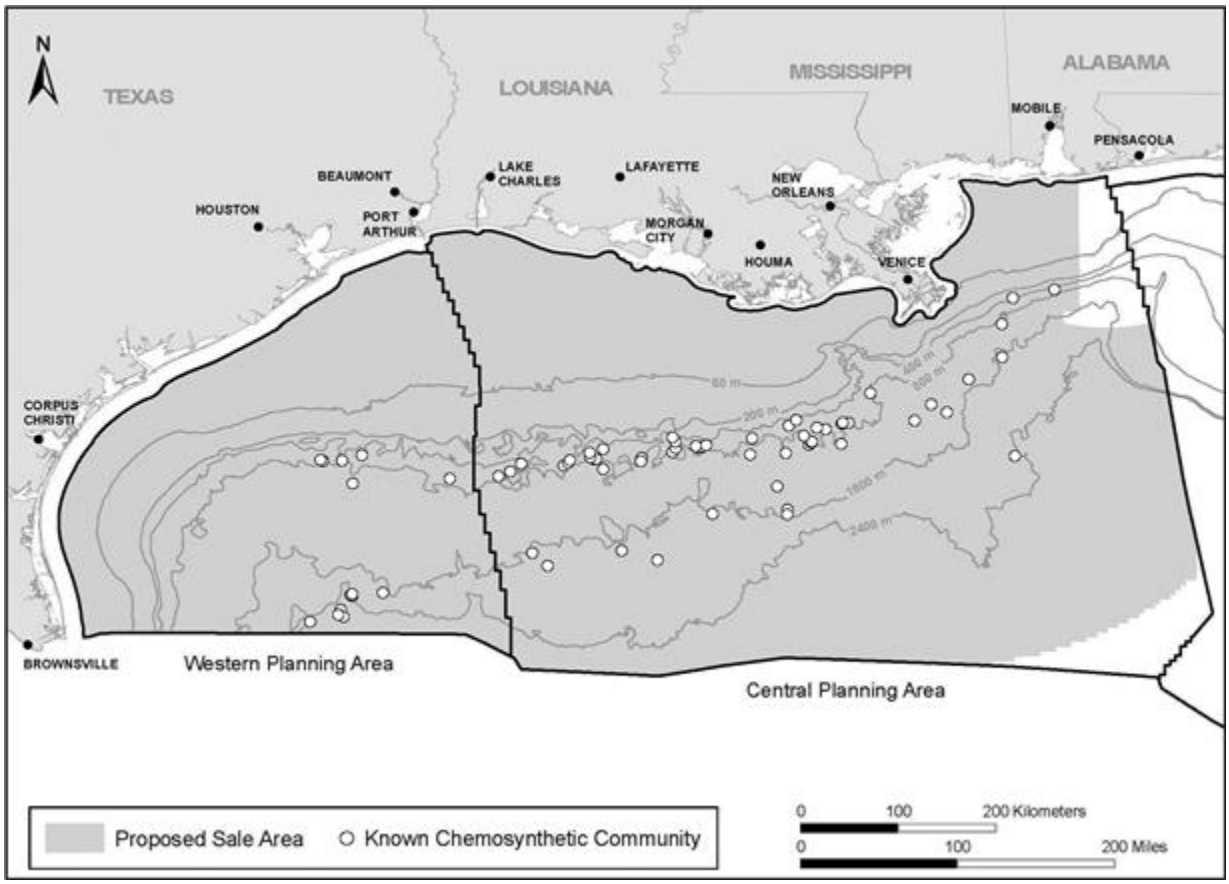
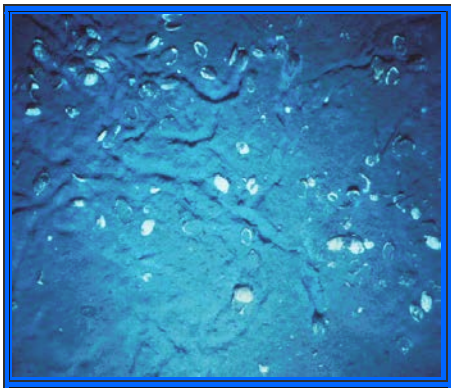
Chemosynthetic Community Locations in the Gulf of Mexico

Locations are where combinations or single communities of chemosynthetic metazoans have been collected or photographed in the Northern Gulf of Mexico (details of sites and reference list). The fauna distribution (shown in the legend) include vesicomyid or lucinid clams (C), seep mytilids/mussels (M), pogonophoran tubeworms (PG), and vestimentiferan tube worms (V).



Source: Northern Gulf of Mexico Chemosynthetic Ecosystem Final Report volume II: Technical Report, Minerals Management Service OCS Region, OCS Study MMS 95-0022

	
VESICOMYID or LUCINID, CLAMS (C)	SEEP MYTILIDS, MUSSELS (M)
Picture not yet available	
POGONOPHORAN TUBEWORMS (PG)	VESTIMENTIFERAN TUBEWORMS (V)

Photograph sources: Stability and Change in Gulf of Mexico Chemosynthetic Communities, OCS Study 2002-035 and 2002-036.

Table: SITE ID corresponds with site numbers on map. Source: Minerals Management Service, OCS Study MMS 95-0022
REFERENCE corresponds to "Reference List" (link found on the originating page).

Site ID	FAUNA	OBSERVATION_METHOD	REFERENCE	DEPTH_M	OPD_CODE	OPD_NAME	BLCK	LATDMm	LATDD	LONGDMm	LONGDD	OPD_CODE
1	VM	Submarine	1	2200	AC	Alaminos Canyon	645	26 21.20	26.353	94 29.80	94.497	NG15-04
2	M	Trawl	2	1111	EB	East Breaks	602	27 23.50	27.392	94 29.45	94.491	NG15-01
3	PG	Trawl	2	734	GB	Garden Banks	500	27 27.55	27.459	93 08.60	93.143	NG15-02
4	VC	Trawl	2	757	GB	Garden Banks	458	27 30.05	27.501	93 02.01	93.034	NG15-02
5	M	Submarine	3	750	GB	Garden Banks	476	27 31.50	27.525	92 10.50	92.175	NG15-02
6	MC	Submarine	3	570	GB	Garden Banks	424	27 33.40	27.557	92 32.40	92.540	NG15-02
7	V	Submarine	3	600	GB	Garden Banks	425	27 35.00	27.583	92 30.00	92.500	NG15-02
8	VC	Submarine	3	580	GB	Garden Banks	416	27 34.50	27.575	92 55.95	92.933	NG15-02
9	VC	Submarine	3	776	EB	East Breaks	376	27 36.00	27.600	94 46.00	94.767	NG15-01
10	PG	Trawl	2	793	EB	East Breaks	380	27 36.15	27.603	94 35.40	94.590	NG15-01
11	MC	Submarine	3	570	GB	Garden Banks	382	27 36.50	27.608	92 28.94	92.482	NG15-02
12	VC	Trawl	2	773	EB	East Breaks	375	27 36.60	27.610	94 47.35	94.789	NG15-01
13	VC	Submarine, Trawl	2, 3	585	GB	Garden Banks	386	27 36.82	27.614	92 15.25	92.254	NG15-02
14	VC	Submarine, Trawl	2, 3	781	GB	Garden Banks	387	27 37.15	27.619	92 14.40	92.240	NG15-02
15	V	Trawl	2	780	GC	Green Canyon	310	27 37.75	27.629	91 49.15	91.819	NG15-03
16	VC	Trawl	2	425	GB	Garden Banks	342	27 38.00	27.633	92 17.50	92.292	NG15-02
17	C	Trawl	2	780	EB	East Breaks	339	27 39.15	27.653	94 24.30	94.405	NG15-01
18	VC	Submarine, Trawl	2	994	GC	Green Canyon	287	27 39.60	27.660	90 48.90	90.815	NG15-03
19	C	Trawl	2	1042	GC	Green Canyon	293	27 40.45	27.674	90 29.10	90.485	NG15-03
20	VC	Trawl	2	589	GB	Garden Banks	297	27 40.50	27.675	92 18.00	92.300	NG15-02
21	VMC	Submarine, Trawl	2, 3, 4	720	GC	Green Canyon	272	27 40.88	27.681	91 32.10	91.535	NG15-03
22	VC	Trawl	2	719	GB	Garden Banks	300	27 42.65	27.711	92 10.45	92.174	NG15-02
23	V	Trawl	2	825	GC	Green Canyon	229	27 43.10	27.718	91 30.15	91.503	NG15-03
24	VM	Sub	5	650	GC	Green Canyon	233	27 43.30	27.722	91 16.30	91.272	NG15-03
25	VMC	Trawl	2	813	GC	Green Canyon	233	27 43.70	27.728	91 17.55	91.293	NG15-03
26	VM	Submarine	3, 6	600	GC	Green Canyon	234	27 44.08	27.735	91 15.27	91.255	NG15-03
27	VM	Submarine	3	807	GC	Green Canyon	232	27 44.30	27.738	91 19.10	91.318	NG15-03
28	VM	Submarine	3, 7	550	GC	Green Canyon	234	27 44.80	27.747	91 13.30	91.222	NG15-03
29	VC	Submarine	3	715	GC	Green Canyon	210	27 45.00	27.750	90 16.31	90.272	NG15-03
30	C	Submarine, Photosled	8, 2	963	GC	Green Canyon	216	27 45.50	27.758	89 58.30	89.972	NG15-03
31	VMC	Submarine	3	796	GC	Green Canyon	210	27 46.33	27.772	90 15.00	90.250	NG15-03
32	VM	Submarine, Trawl	2, 3, 9	580	GC	Green Canyon	184	27 46.65	27.778	91 30.35	91.506	NG15-03
33	VM	Submarine, Trawl	2, 3	767	GC	Green Canyon	166	27 46.75	27.779	90 14.70	90.245	NG15-03
34	VM	Submarine	10	290	GC	Green Canyon	140	27 49.16	27.819	91 31.95	91.533	NG15-03

35	V	Submarine	3	767	GC	Green Canyon	121	27 50.00	27.833	90 19.00	90.317	NG15-03
36	VM	Photosled	11	682	GC	Green Canyon	81	27 53.56	27.893	90 07.07	90.118	NG15-03
37	VC	Trawl	2	685	GC	Green Canyon	79	27 54.40	27.907	90 11.90	90.198	NG15-03
38	VM	Submarine	3	504	GC	Green Canyon	30	27 55.50	27.925	90 27.50	90.458	NG15-03
39	VPG	Trawl	2	685	GC	Green Canyon	40	27 56.65	27.944	89 58.05	89.968	NG15-03
40	C	Trawl	2	658	MC	Mississippi Canyon	969	27 57.10	27.952	89 54.30	89.905	NH16-10
41	V	Submarine, Trawl	2,3	597	EW	Ewing Bank	1010	27 57.25	27.954	89 57.50	89.958	NH15-12
42	V	Submarine, Trawl	2, 3	430	EW	Ewing Bank	1001	27 58.70	27.978	90 23.40	90.390	NH15-12
43	VC	Submarine, ROV, Trawl	3, 4, 12	545	VK	Viosca Banks	826	29 11.00	29.183	88 00.00	88.000	NH16-07

Table: ID associated with the reference number shown in table of Chemosynthetic Locations
Source: Minerals Management Service, OCS Study MMS 95-0022

ID_REFERENCE	REFERENCE	TITLE	PUBLISHER
1	Brooks et al. (1989)	Gulf of Mexico hydrocarbon seep communities: Part IV - Description of known chemosynthetic communities	Proc. 21st Offshore Technology Conference, OTC 5954, pp. 663-667
2	Kennicutt et al. (1988a), Kennicutt et al., (1988b)*	Leakage of deep, reservoired petroleum to the near surface on the Gulf of Mexico continental slope	Mar. Chem. 24:39-59
2*	Kennicutt et al., (1988b)*	Gulf of Mexico hydrocarbon seep communities-I. Regional distribution of hydrocarbon seepage and associated fauna	Deep-Sea Res. 35:1639-1651
3	GERG unpublished data		
4	Callender et al. (1990)	Gulf of Mexico hydrocarbon seep communities: V. Biofacies and shell orientation of autochthonous shell beds below strom wave base	Palaios 5:2-14
5	MacDonald et al. (1990b)	Chemosynthetic mussels at a brine-filled pockmark in the northern Gulf of Mexico	Science 248:1096-1099
6	MacDonald et al. (1990b)	Chemosynthetic mussels at a brine-filled pockmark in the northern Gulf of Mexico	Science 248:1096-1099
7	MacDonald et al. (1990a)	Gulf of Mexico hydrocarbon seep communities: VI. Patterns in community structure and habitat	Geo.-Mar. Lett. 10:244-252
8	Rosman et al. (1987)	Epifaunal aggregations of Vesicomyidae on the continental slope off Louisiana	Deep-Sea Res. 34:1811-1820
9	MacDonald et al. (1989)	Gulf of Mexico hydrocarbon seep communities: II. Spatial distribution of seep organisms and hydrocarbons at Bush Hill	Maar. Bio. 101:235-247
10	Roberts et al. (1990)	Sea floor responses to hydrocarbon seeps, Louisiana continental slope	Geo.-Mar. Lett. 10(4):232-243
11	Boland (1989)	Discovery of co-occurring bivalve Acesta sp. and chemosynthetic tube worms Lamellibrachia	Nature 323:759
12	Boss (1968), Gallaway et al. (1990)*, Volkes (1963)**	New species of Vesicomyidae from the Gulf of Darien, Caribbean Sea (Bivalvia; Mollusca)	Bul. Mar. Sci. 18:731-748
12*	Gallaway et al. (1990)*	Characterization of the chemosynthetic fauna at Viosca Knoll Block 826	Unpublished report to Oryx Energy Inc. by LGL Ecological Research Associates Inc. Dec.
12**	Volkes (1968)**	Studies on tertiary and recent giant Limidae	Tulane Study in Geology 1:75-92