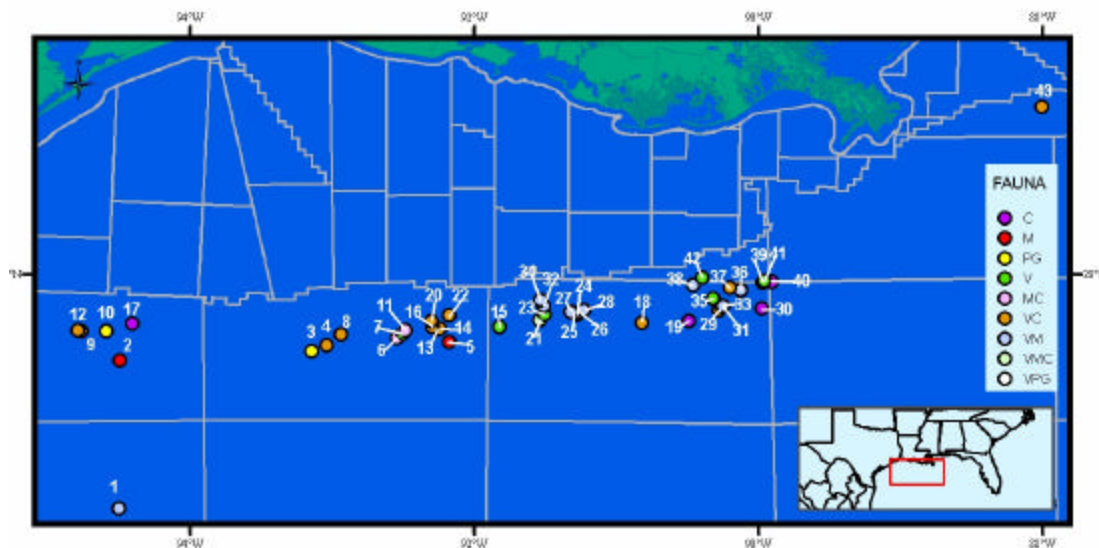
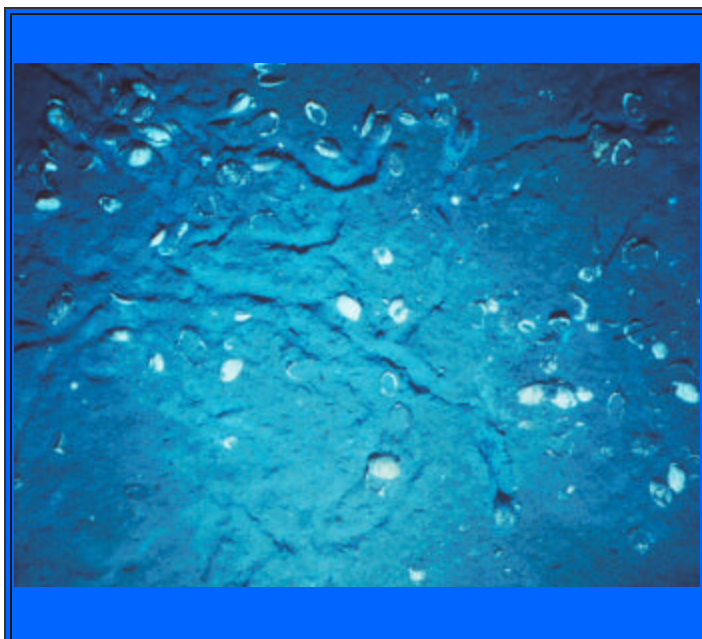


Chemosynthetic Communities in the Gulf of Mexico

Locations are where combinations or single communities of chemosynthetic metazoans have been collected or photographed in the Northern ([details of sites](#) and [reference list](#)). The [fauna](#) distribution (shown in the legend) includes vesicomyid or lucinid clams (C), seep mytilids/mussel 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 5](#)



VESICOMYID or LUCINID, CLAMS (C)



SEEP MYTILIDS, MUSSELS (M)

Picture not yet available



POGONOPHORAN TUBEWORMS (PG)

VESTIMENTIFERAN TUBEWORMS

Photograph sources: *Stability and Change in Gulf of Mexico Chemosynthetic Communities*, [OCS Study 2002-035, 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 Vesicomidae 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	Mar. 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 <i>Acesta</i> sp. and chemosynthetic tube worms <i>Lamellibrachia</i>	Nature 323:759
12	Boss (1968), Gallaway et al. (1990)*, Volkes (1963)**	New species of Vesicomidae from the Gulf of Darien, Caribbean Sea (<i>Bivalvia</i> ; <i>Mollusca</i>)	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 <i>Limidae</i>	Tulane Study in Geology 1:75-92