Date: Tue, 20 Feb 1996 15:35:43 -0800
To: ns
From: monty@octopus.wr.usgs.gov
Subject: 95021postMGYS 12-23Jul95 Hampton, Vieques-Culebra, PR

U.S. GEOLOGICAL SURVEY-BRANCH OF ATLANTIC MARINE GEOLOGY

ELECTRONIC CRUISE REPORT

1. SHIP NAME (Parent vessel)/SUBMERSIBLE/OWNER-OPERATOR:
Magueyez, University of Puerto Rico

2. PRE-CRUISE SERIAL # AND/OR CRUISE-LEG: MGYS 95021

3. PROJECT # AND NAME: 3093 -- Puerto Rico Insular Shelf Reconn
aissance
Mapping

4. FUNDING AGENCY: USGS

5. CONTRACT (If applicable):

6. AREA OF OPERATIONS: Culebra and Vieques, Puerto Rico

7. DATES AND PORTS OF CALL: 12-23 July 1995, Roosevelt Roads, P
uerto Rico

8. CHIEF SCIENTIST(S): Monty Hampton and Dave Folger

9. SCIENTIFIC PARTY (Names,affiliations,cruise duties):
Mike Torresan (USGS, PMG -- watch stander)
Juan Trias (USGS, AMG -- watch stander)
Dave Nichols (USGS, AMG -- ET/MT)
Ken Parolski (USGS, AMG -- ET/MT)

10. SHIP'S CAPTAIN (and affiliation): Angel Nazario, UPR

11. PURPOSE OF CRUISE (brief statement): Shelf sand resources r
econnaissance

12. NAVIGATION TECHNIQUES: GPS

13. SCIENTIFIC EQUIPMENT: ORE Geopulse, ORE 140 3.5-kHz, Skipek
grab sampler

14. TABULATED INFORMATION:
DAYS AT SEA: 9
CONTINUOUS DATA (in km): 335 km
STATIONS OCCUPIED (stationary and underway): 51
SUBMERSIBLE DIVES (BY #):
STATION INFORMATION:

Sta.	JD (1995)	Latitude	Longitude	Water depth	Sediment type
1	198	18 30.89	-65 20.59	64	Carb. sand w/ shell frags
2	198	18 29.40	-65 20.14	37	Carb sand w/ coral and shell frags
3	198	18 28.02	-65 20.15	46	Carb sand w/ shell frags
4	198	18 26.39	-65 19.99	84	Carb sand w/ coral and shell frags
5	198	18 24.98	-65 20.04	51	Carb sandw/ coral and shell frags
6	198	18 23.39	-65 20.06	49	Muddy carb sand
7	198	18 21.89	-65 20.00	33	Carb sand
8	198	18 21.89	-65 15.08	48	Muddy carb sand
9	198	18 23.51	-65 15.02	48	Muddy carb sand
10	198	18 24.95	-65 15.01	48	Muddy carb sand
11	198	18 26.40	-65 15.04	29	Muddy carb sand
12	198	18 28.02	-65 15.14	48	Carb sandw/ coral and shell frags
13	198	18 29.55	-65 15.13	49	Muddy carb sand
14	198	18 30.95	-65 15.14	51	Carb sand w/ shell frags
15	198	18 31.11	-65 10.08	43	Carb sand w/ shell frags
16	198	18 29.44	-65 10.10	48	Carb sand w/ coral and shell frags
17	198	18 27.93	-65 10.13	38	Carb sand w/ shell frags
18	198	18 26.44	-65 10.12	51	Muddy carb sand
19	199	18 24.86	-65 10.06	46	Muddy carb sand
20	199	18 23.43	-65 10.07	44	Carb sand w/ coral and shell frags
21	199	18 21.92	-65 10.10	46	Carb sand w/ coral and shell frags
22	199	18 20.04	-65 09.99	33	Carb sand w/ shell frags
23	199	18 19.98	-65 13.04	40	Carb sand w/ coral and shell frags
24	199	18 17.92	-65 12.00	26	Coral fragments
25	199	18 17.94	-65 09.98	27	Carb sand w/ shell frags
26	199	18 16.88	-65 10.03	29	Coral chunk
27	199	18 17.09	-65 12.98	22	Carb sand w/ coral frags
28	199	18 14.92	-65 10.01	29	Coral fragments
29	199	18 13.91	-65 10.02	33	Coral fragments
30	199	18 13.05	-65 10.13	33	Coral chunk
31	199	18 12/04	-65 10.05	36	Carb sand
32	199	18 21.33	-65 10.08	33	No recovery
33	199	18 10.40	-65 10.09	40	Coral fragments
34	199	18 10.50	-65 15.07	27	Coral fragments
35	199	18 10.53	-65 20.07	26	Carb sand w/ shell frags
36	199	18 10.50	-65 25.07	20	Carb sand
37	200	18 10.72	-65 35.64	16	Carb sand w/ coral and shell frags
38	200	18 09.15	-65 31.58	13	Carb sand

39	200	18 21.14	-65 32.34	16	Carb sand
40	200	18 11.63	-65 25.05	22	Carb sand w/ coral and shell frags
41	200	18 13.45	-65 25.00	22	Carb sand w/ coral and shell frags
42	200	18 20.34	-65 22.94	26	Carb sand
43	200	18 19.15	-65 21.78	20	Carb sand
44	200	18 16.94	-65 20.15	26	Carb sand
45	200	18 13.83	-65 20.08	26	Carb sand
46	200	18 12.46	-65 20.04	24	Carb sand
47	200	18 11.48	-65 14.97	27	Carb sand w/ coral and shell frags
48	200	18 13.44	-65 15.01	26	Carb sand
49	200	18 15.80	-65 15.01	24	Carb sand w/ coral frags
50	200	18 09.59	-65 10.85	40	Coral chunk
51	200	18 09.57	-65 15.14	22	No recovery

15. SUBMITTED BY AND DATE: Monty Hampton, 20 February 1996

16. SEISMIC LINE LIST IN CHRONOLOGICAL ORDER:(#, date, Julien day, start/end time in UTC, where data reside if not in Woods Hole)

Line #	Start (JD/GMT)	End (JD/GMT)	
1	193/1230	193/1520	
2	193/1549	193/1635	
3	193/1706	193/1810	
4	193/1836	193/1935	
5	193/1957	193/2100	
6	194/1145	194/1424	
7	194/1457	194/1744	
8	194/1807	194/2105	
9	195/1400	195/1757	
10	195/1818	195/2147	
11	196/1101	196/1506	
12	196/1518	196/1910	
13	196/2018	196/2157	
14	197/1042	197/1130	
15	197/1130	197/1210	
16	197/1210	197/1234	
17	197/1345	197/1643	
18	197/1701	197/1956	
19	197/2007	197/2130	day's end
	198/1151	198/1334	resume line
20	198/1351	198/1638	
21	200/2348	201/0106	
22	201/0150	201/0640	
23	201/0645	201/0721	
24	201/0723	201/0811	

25	201/0948	201/1305
26	201/1322	201/1421
27	201/1710	201/1748
28	201/1748	201/1802
29	201/1802	201/1848
30	201/1848	201/1914
31	201/1914	201/1950
32	201/1950	201/2006
33	201/2006	201/2023

17. SAMPLE/CORE LIST:(#, lat/long, type, where data reside)