Table DR1. Hummock data measured from SM2000 high-resolution bathymetry and a corresponding Data Elevation Model (DEM) in ArcGIS.

AREA 1

	Diameter (m)	Height (m)	Volume (m3)	Flank Gradient (˚)	Collapsed	Vent Morphology (where observed)
1	229	24	321470	12		
2	178	11	90994	7		
3	99	10	25521	11	y	
4	99	7	16774	7	y	
5	157	30	191325	21	y	
6	191	47	445415	26	y	lobate
7	270	32	609347	13	y	
8	210	52	592952	26	y	lobate
9	227	49	663103	23	y	lobate
10	209	33	370349	17		lobate
11	109	32	100332	30		pillowed
12	91	29	63167	32		
13	153	28	167996	20		
14	208	33	368095	17		
15	49	21	13249	41		
16	135	24	112024	19		
17	55	9	7159	18		
18	80	12	19154	16		
19	283	93	1945411	33	y	
20	192	60	573742	32		
21	327	146	4091091	42	y	pillowed
22	60	8	7057	14		
23	56	11	9153	21		
24	143	42	221472	30	y	
25	188	51	472710	28	y	lobate
26	183	111	965309	50	y	pillowed
27	125	66	269489	46	y	pillowed
28	139	90	456440	52	y	pillowed
29	146	78	433124	47		pillowed
30	115	27	91375	25		
31	153	43	259457	29	y	
32	109	31	95588	29		
33	169	35	261783	22		lobate
34	72	10	12736	15		
35	64	8	7995	13		
36	32	7	1904	23		
37	39	16	6483	39		
38	46	11	5997	26		
39	192	82	788984	40	y	pillowed
40	173	46	357887	28	y	pillowed
41	293	18	405925	7		lobate
42	71	11	14433	17		
43	61	14	13496	25		
44	91	13	28069	16		
45	70	13	16633	20		
46	95	25	58805	28		
47	75	34	49967	42		

48	109	41	126928	37		
49	103	40	109239	38	y	
50	55	7	5170	13		
51	66	16	17871	25		
52	186	54	483662	30	y	lobate
53	247	135	2163923	47	y	lobate
54	173	46	357392	28	y	
55	106	28	82727	28		lobate
56	166	42	300750	27	y	pillowed
57	166	37	268089	24		pillowed
58	148	60	341803	39	y	pillowed
59	191	26	242596	15	y	pillowed
60	315	34	883334	12		
61	315	33	856861	12		
62	114	54	183554	43	y	
63	177	40	322294	24		
64	57	13	10673	24		
65	75	12	17153	17		
66	126	38	158825	31	y	pillowed
67	126	44	184082	35		pillowed
68	49	5	3154	12		
69	93	10	21713	11		
70	190	79	747705	40	y	
71	239	58	864311	26	y	
72	308	80	1975619	27		
73	107	60	180536	48		
74	72	6	7545	9		
75	121	103	394799	60	y	

AREA 2					
	Diameter (m)	Height (m)	Volume (m3)	Flank Gradient (˚)	Collapsed
1	46	8	4424	19	
2	175	49	388189	29	
3	194	17	167517	10	y
4	185	61	549133	33	
5	82	11	18564	14	
6	147	65	363530	41	y
7	203	56	603021	29	y
8	124	38	150183	31	y
9	193	63	614836	33	y
10	101	19	51009	21	
11	119	19	71004	18	y
12	148	38	214765	27	
13	262	59	1048786	24	
14	98	14	33993	15	
15	83	26	46414	32	
16	246	132	2099677	47	y
17	31	6	1414	19	
18	42	9	4063	23	
19	140	39	200466	29	y

20	128	19	81892	16	y
21	36	12	4043	34	
22	55	20	15629	36	y
23	57	19	15485	33	
24	213	94	1112206	41	y
25	99	15	38551	17	
26	62	10	10002	18	
27	157	27	173479	19	y
28	152	45	269537	30	y
29	72	18	23582	26	y
30	90	18	37197	21	y
31	127	23	95648	19	
32	171	22	167485	14	y
33	91	26	56437	30	
34	49	17	10200	34	
35	80	13	21717	18	
36	65	12	13086	20	
37	47	5	2935	12	y
38	164	56	390329	34	
39	127	54	226930	40	
40	139	77	387908	48	y
41	83	24	42844	30	
42	105	20	57861	21	
43	147	49	275574	33	y
44	77	9	13137	12	
45	33	7	1806	22	
46	111	10	30421	10	
47	57	9	7115	17	
48	94	7	14922	8	
49	69	12	15004	19	
50	250	20	328482	9	
51	254	43	724159	19	
52	94	38	86740	39	
53	106	32	92444	31	
54	180	29	246560	18	
55	90	12	24643	14	
56	134	53	249234	38	
57	70	30	38864	40	
58	101	40	104947	38	
59	57	26	22123	42	
60	75	24	35342	33	
61	254	116	1953945	42	y
62	106	33	95943	31	
63	91	47	102021	46	
64	98	49	124232	45	y
65	248	111	1784163	42	y
66	69	10	11878	15	
67	81	22	36813	28	
68	78	32	51235	39	y
69	90	25	51905	29	
70	106	15	43813	16	
71	88	26	51367	30	

72	77	24	37509	32	y
73	94	42	97001	41	
74	125	50	201143	38	
75	83	44	79616	47	
76	208	14	158754	8	
77	134	42	196193	32	
78	61	10	9139	17	

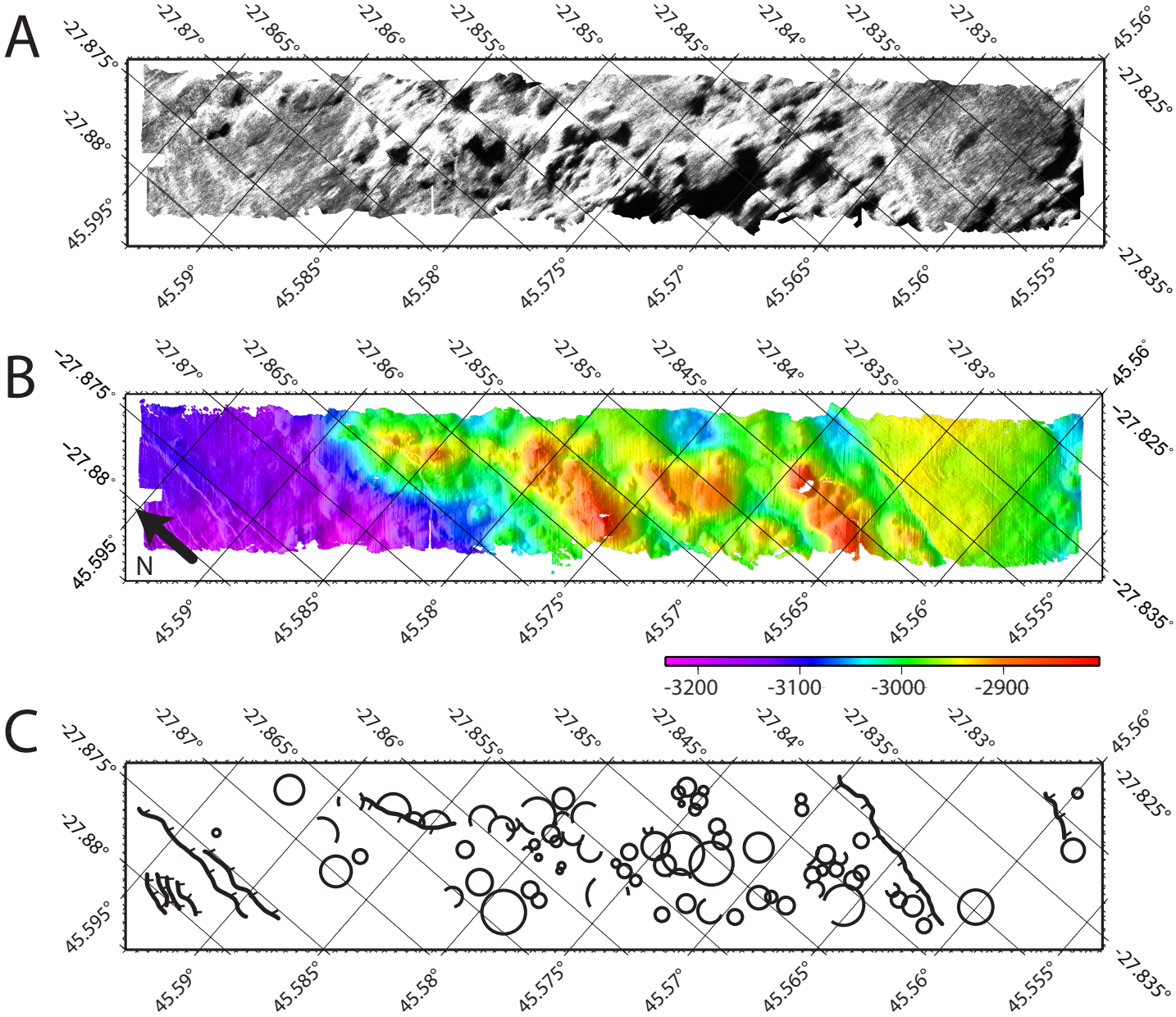

Fig. DR1. Data from Area 2. (A) Mid-range TOBI sidescan sonar image. High backscatter is represented by light tones. (C) Corresponding area of high-resolution SM2000 bathymetry. (B) Interpretation (only hummocks robust in both the sidescan sonar and SM2000 bathymetry are included).
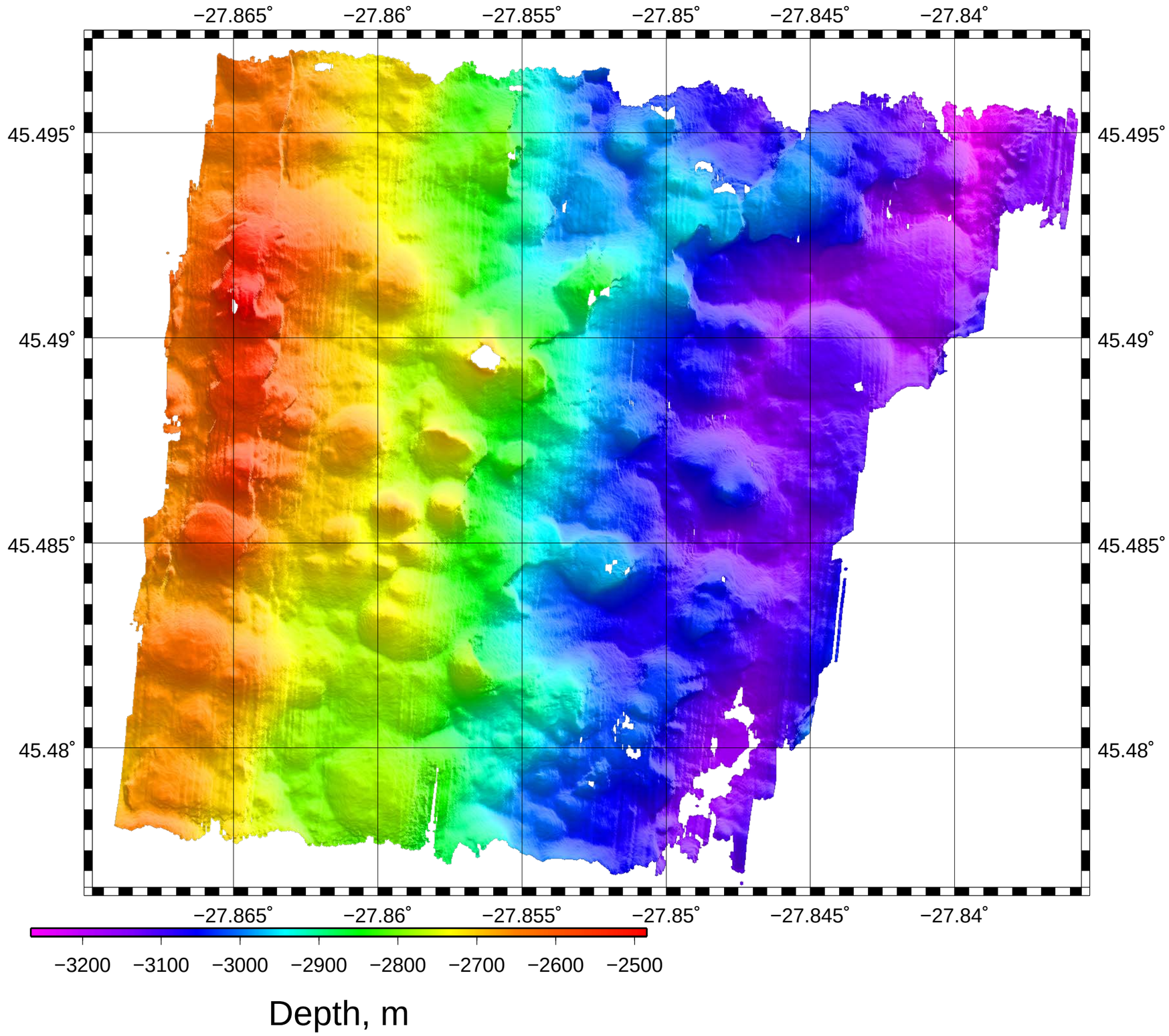
Fig. DR2. High-resolution SM2000 bathymetry data from Area 1