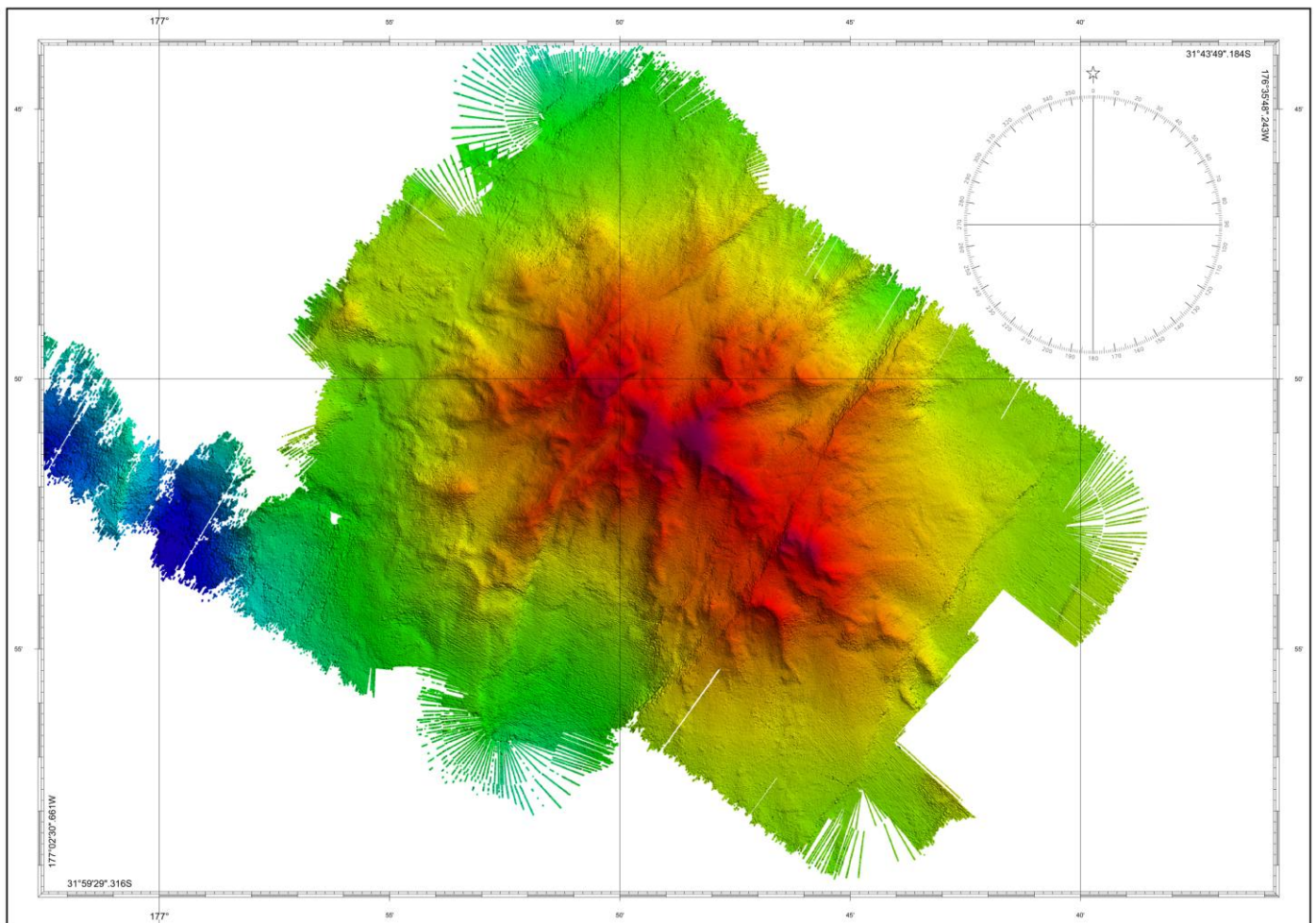


UNDERSEA FEATURE NAME PROPOSAL
(Sea NOTE overleaf)

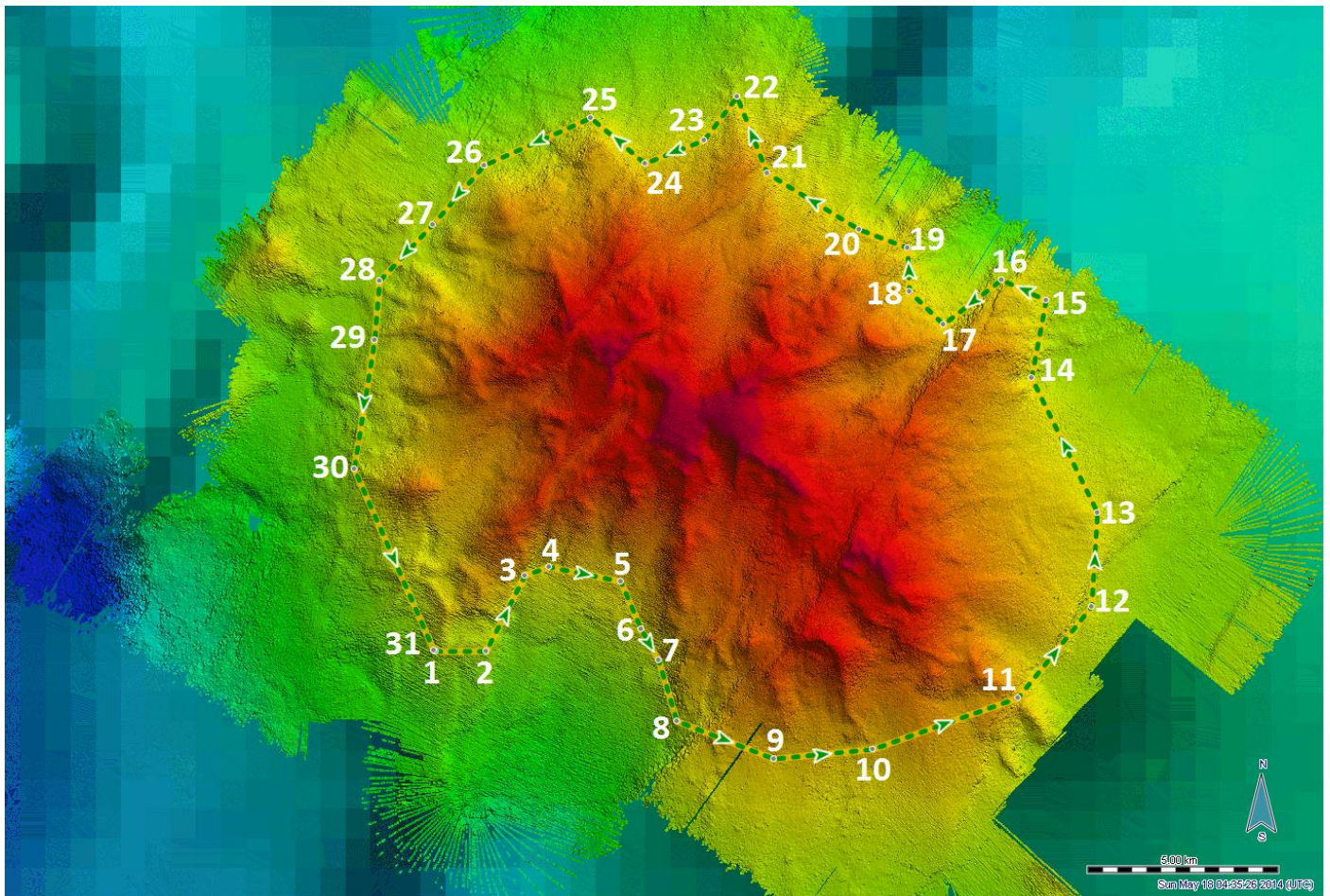
Name Proposed:	Tāwhatiwhati Guyot	Ocean or Sea:	South Pacific Ocean
-----------------------	---------------------------	----------------------	----------------------------

Insufficient data was available to identify if this feature had been previously name. Attempts to identify if this Guyot had been named previously found no data. The topography of this feature is evident on GEBCO maps

Geometry that best defines the feature (Yes/No) :						
Point	Line	Polygon	Multiple points	Multiple lines*	Multiple polygons*	Combination of geometries*
		Yes				



Above: Overview of the proposed *Tāwhatiwhati Guyot* feature as surveyed May 14th 2014



Above: Overview of the proposed *Tāwhatiwhati Guyot* feature with numbered points that make up polygon defining the feature

Point	Latitude DDMM.MMM	Longitude DD MM.MMM	Latitude DD.DDD	Longitude DD.DDD	Azimuth	Delta (m)	Total Distance (m)
1	S 31°54.329	W 176° 53.174	-31.905483	-176.886233	90°	0.0	0
2	S 31°54.328	W 176° 52.344	-31.905467	-176.872400	27°	1310	1310
3	S 31°53.273	W 176° 51.708	-31.887883	-176.861800	70°	2190	3500
4	S 31°53.150	W 176° 51.302	-31.885833	-176.855033	101°	680	4180
5	S 31°53.352	W 176° 50.121	-31.889200	-176.835350	157°	1900	6080
6	S 31°54.012	W 176° 49.794	-31.900200	-176.829900	151°	1320	7400
7	S 31°54.454	W 176° 49.505	-31.907567	-176.825083	163°	934	8340
8	S 31°55.307	W 176° 49.191	-31.921783	-176.819850	111°	1650	9990
9	S 31°55.835	W 176° 47.598	-31.930583	-176.793300	84°	2690	1270
10	S 31°55.700	W 176° 45.972	-31.928333	-176.766200	70°	2570	15300
11	S 31°54.971	W 176° 43.582	-31.916183	-176.726367	39°	4000	19300
12	S 31°53.692	W 176° 42.365	-31.894867	-176.706083	3°	3040	22000
13	S 31°52.365	W 176° 42.274	-31.872750	-176.704567	-26°	2460	25000
14	S 31°50.480	W 176° 43.368	-31.841333	-176.722800	11°	3890	29000
15	S 31°49.398	W 176° 43.132	-31.823300	-176.718867	-65°	2030	31000
16	S 31°49.113	W 176° 43.862	-31.818550	-176.731033	-127°	1270	32000
17	S 31°49.738	W 176° 44.816	-31.828967	-176.746933	-46°	1900	34000
18	S 31°49.280	W 176° 45.379	-31.821333	-176.756317	-3°	1230	35000
19	S 31°48.668	W 176° 45.417	-31.811133	-176.756950	-69°	1113	36000
20	S 31°48.404	W 176° 46.206	-31.806733	-176.770100	-59°	1340	38000
21	S 31°47.614	W 176° 47.728	-31.793567	-176.795467	-22°	2810	40000
22	S 31°46.543	W 176° 48.228	-31.775717	-176.803800	-143°	2130	42000
23	S 31°47.156	W 176° 48.765	-31.785933	-176.812750	-111°	1410	44000
24	S 31°47.481	W 176° 49.740	-31.791350	-176.829000	-51°	1650	46000
25	S 31°46.852	W 176° 50.637	-31.780867	-176.843950	-114°	1830	47000
26	S 31°47.518	W 176° 52.387	-31.791967	-176.873117	-139°	3020	50000
27	S 31°48.352	W 176° 53.222	-31.805867	-176.887033	-136°	2030	52000
28	S 31°49.135	W 176° 54.098	-31.818917	-176.901633	-175°	2000	54000
29	S 31°49.969	W 176° 54.177	-31.832817	-176.902950	-171°	1550	56000
30	S 31°51.772	W 176° 54.513	-31.862867	-176.908550	156°	3370	59000
31	S 31°54.322	W 176° 53.196	-31.905367	-176.886600		5150	65000

Feature Description:	Maximum Depth:	5400m	Steepness :	Varying – see supporting documentation
	Minimum Depth :	3588m	Shape :	Polygon (31 Points)
	Total Relief :	1812m	Dimension/Size :	Length approximately 19500m wide by 16500m high

Associated Features:

Chart/Map References:	Shown Named on Map/Chart:	No
	Shown Unnamed on Map/Chart:	No
	Within Area of Map/Chart:	

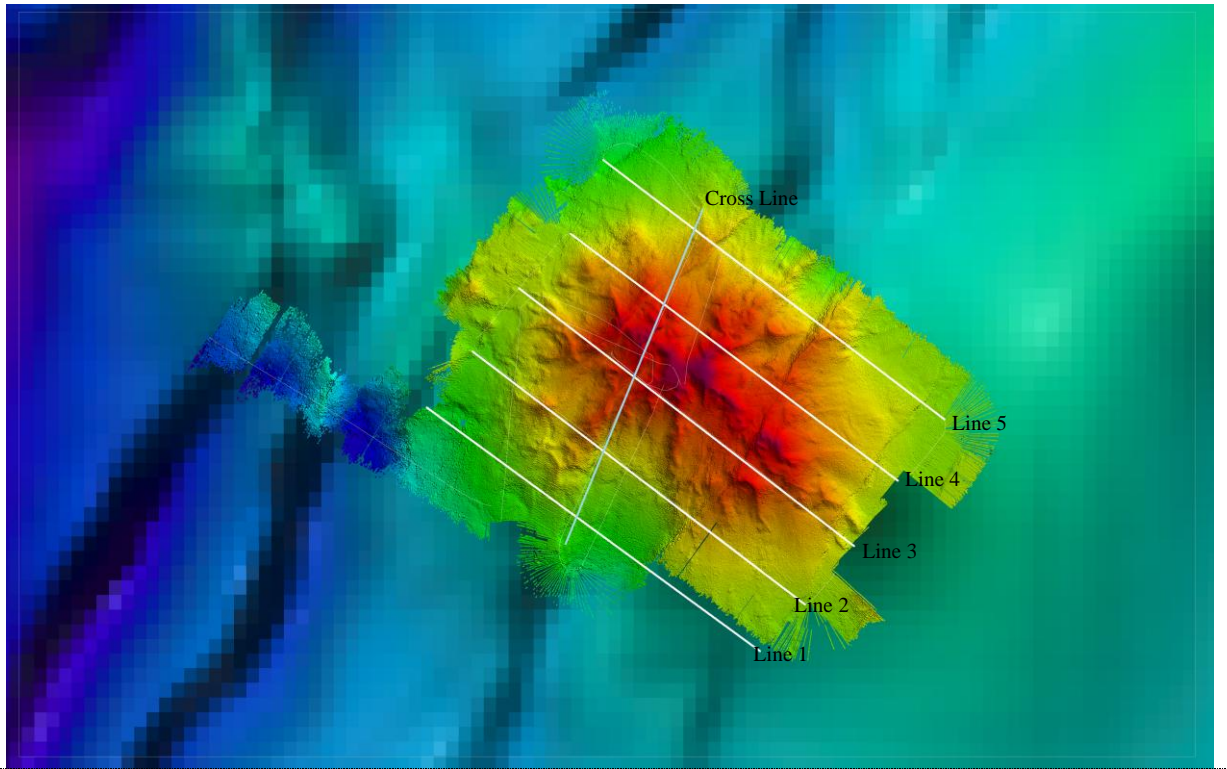
Reason for Choice of Name (if a person, state how associated with the feature to be named):

Tāwhatiwhati is from the Maori language and means "to be broken, snapped, fractured". I have chosen this name as the proposed feature has been fractured in at least 3 locations. Maori has been chosen due to the find being located within New Zealand waters and to honor the native language.

Guyot has been chosen as it defines "A SEAMOUNT with a comparatively smooth flat top. The main flat top of this feature can be found at S 31° 51.105 W 176° 48.890. Separately a seamount is defined as "A distinct generally equidimensional elevation greater than 1000m above the surrounding relief as measured from the deepest isobath that surrounds most of the feature." – The proposed feature has an elevation of approximately 1800m

Discovery Facts:	Discovery Date:	14 th May 2014
	Discoverer (Individual, Ship):	Leighton Rolley (Hydrographer) – (Employee of Schmidt Ocean Institute) Embarked onboard RV <i>Thomas G Thompson</i>

Supporting Survey Data, including Track Controls:	Date of Survey:	14 th May 2014																																																											
	Survey Ship:	Vessel: R/V <i>Thomas G Thompson</i> Call Sign: KTDQ IMO: 8814419 Home Port: Seattle, WA Class: ABS Class No: 9102782 Operator: University of Washington School of Oceanography, Seattle, WA 98195																																																											
	Sounding Equipment:	EM302 Multibeam (Kongsberg) - 432 Beams																																																											
	Type of Navigation:	POSMV 320 S/N 2805 DGPS																																																											
	Estimated Horizontal Accuracy (nm):	DGPS Navigation from Seapath SP320 Latitude Accuracy: 0.55m Longitude Accuracy: 0.489m																																																											
	Survey Track Spacing:	3830 – 4000m (see lines below)																																																											
	Survey Lines	<table border="1"> <thead> <tr> <th rowspan="2">Line No</th> <th colspan="2">Start</th> <th colspan="2">End</th> <th rowspan="2">Fwd Azimuth</th> <th rowspan="2">Length (NM)</th> <th rowspan="2">Spacing (M)</th> </tr> <tr> <th>Latitude</th> <th>Longitude</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>S 31 51.975</td> <td>W 176 57.394</td> <td>S 31 59.327</td> <td>W 176 46.278</td> <td>127.929°</td> <td>11.961 nm</td> <td></td> </tr> <tr> <td>2</td> <td>S 31 50.339</td> <td>W 176 55.907</td> <td>S 31 57.693</td> <td>W 176 44.791</td> <td>127.928°</td> <td>11.964 nm</td> <td>3827.794 m</td> </tr> <tr> <td>3</td> <td>S 31 48.630</td> <td>W 176 54.355</td> <td>S 31 55.986</td> <td>W 176 43.239</td> <td>127.927°</td> <td>11.967 nm</td> <td>3997.746 m</td> </tr> <tr> <td>4</td> <td>S 31 46.920</td> <td>W 176 52.803</td> <td>S 31 54.279</td> <td>W 176 41.687</td> <td>127.930°</td> <td>11.972 nm</td> <td>3999.673 m</td> </tr> <tr> <td>5</td> <td>S 31 45.283</td> <td>W 176 51.316</td> <td>S 31 52.643</td> <td>W 176 40.200</td> <td>127.925°</td> <td>11.974 nm</td> <td>3830.565 m</td> </tr> <tr> <td>6</td> <td>S 31 56.356</td> <td>W 176 53.304</td> <td>S 31 47.243</td> <td>W 176 48.372</td> <td>24.686</td> <td>10.029 nm</td> <td>CROSS LINE</td> </tr> </tbody> </table> <p>Additional Adhoc survey was conducted whilst deploying landers/elevators on seamount. These additional lines are shown in the image below.</p>	Line No	Start		End		Fwd Azimuth	Length (NM)	Spacing (M)	Latitude	Longitude	Latitude	Longitude	1	S 31 51.975	W 176 57.394	S 31 59.327	W 176 46.278	127.929°	11.961 nm		2	S 31 50.339	W 176 55.907	S 31 57.693	W 176 44.791	127.928°	11.964 nm	3827.794 m	3	S 31 48.630	W 176 54.355	S 31 55.986	W 176 43.239	127.927°	11.967 nm	3997.746 m	4	S 31 46.920	W 176 52.803	S 31 54.279	W 176 41.687	127.930°	11.972 nm	3999.673 m	5	S 31 45.283	W 176 51.316	S 31 52.643	W 176 40.200	127.925°	11.974 nm	3830.565 m	6	S 31 56.356	W 176 53.304	S 31 47.243	W 176 48.372	24.686	10.029 nm
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Supporting material can be submitted as Annex in analog or digital form.																																																													



Proposer(s):	Name(s):	Leighton Rolley
		156 St. Fagan's Road Fairwater, Cardiff Wales, UK CF5 3EU
		Tel: UK 07886784890
	Date:	24th April 2014
	E-mail:	Leighton.r@soi-team.org
	Organization and Address:	Schmidt Ocean Institute
	Concurrer (name, e-mail, organization and address):	Tim Shank

Remarks:

NOTE : This form should be forwarded, when completed :

- a) **If the undersea feature is located inside the external limit of the territorial sea :-**
to your "National Authority for Approval of Undersea Feature Names" (see page 2-9) or, if this does not exist or is not known, either to the IHB or to the IOC (see addresses below);
- b) **If at least 50 % of the undersea feature is located outside the external limits of the territorial sea :-**
to the IHB or to the IOC, at the following addresses :

International Hydrographic Bureau (IHB) 4, Quai Antoine 1er B.P. 445 MC 98011 MONACO CEDEX Principality of MONACO Fax: +377 93 10 81 40 E-mail: info@ihb.mc	Intergovernmental Oceanographic Commission (IOC) UNESCO Place de Fontenoy 75700 PARIS France Fax: +33 1 45 68 58 12 E-mail: info@unesco.org
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