## Tabular listing of features showing country possessions

A feature is occupied by a country if one of the following is true:

- Soldiers and/or civilian citizens of a country are present in the feature, either by building structures over the feature to house the citizens (most features are of this type) or by manning a ship anchored over the feature (Philippine-occupied Irving Reef is of this type).
- Regularly visited by soldiers of a country, not necessarily having soldiers present in it 24 hours. These features must lie near (within 9 miles (14 km)) a feature occupied by the country in the way of the first condition. Presence of structures is not necessary. This is the case of Philippine-occupied Flat Island and Lankiam Cay where soldiers stationed at Nanshan Island and Loaita Island respectively, regularly visit on a daily basis.
- The effective visible distance of horizon from a 15 meter (typical large structure) height above sea-level is 9 miles (14 km). This makes features occupied by the second condition to be also labeled as "occupied" since they can be quarded far away. However not all features within the 9-mile (14 km) radius can be considered as absolutely occupied. This is especially true for features that lie between and within 9 miles (14 km) of two or more features occupied by different countries. (See Virtually Occupied or Controlled table)

## Republic of China (Taiwan)

Int'l Name

Local Names

## Description

Area (ha.)

起平太 書 Taiping Dao

The largest of the Spratly islands. Located about 22 miles (35 km) south-southwest of Philippine-occupied Loiata (Kota) Island and about 6 miles (10 km) west of Vietnam-Ligaw[32] occupied Sand Cay. Covered with shrubs, coconut and mangroves. 600 soldiers stationed, lighthouse, radio and weather stations, concrete landing jetty and two wells at the SW end. Guano deposits, fringing  $_{46}$ reef. Hainan fishermen used to visit annually. In 8/93, plans were announced for a 2 km-long airstrip $\frac{[30]}{}$  and a fishing port. The

Dảo Ba Bình

now only 1150-meters-long airstrip was completed in January 2008. [31] Pineapple was once cultivated here. Occupied since September 1956, four months after Filipino Tomas Cloma claimed the islands. Part of

Tizard Banks.

**一**中洲礁

Ban Than  $Reef^{[29]}$ 

Total

Itu Aba <u>Island<sup>[12][29]</sup></u>

> Jhongjhou Jiao

> Than

Lies 3 miles (5 km) east of Itu-Aba Island and 3 miles (5 km) west of Vietnamese occupied Sand Cay. Small drying reef. 🛂 Bãi Bàn Occupied since 1995. Part of Tizard Banks.

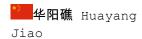
> 1 island, 1 reef 46

People's Republic of China

Int'l Name Local Names Description Area (ha.)

0

Cuarteron  $Reef^{\frac{[12]}{29}}$ 



Coral rocks only. Highest are 1.5 m  $_{
m O}$ high, on the north. Occupied since

Calderon 1988. Part of London Reefs. Bãi /Đá Châu Viên Rocks up to 1 m high. All below at ■永暑礁 Yongshu high tide, but has guano deposits. Jiao PRC built a navy harbor by **X**agitingan blasting, piling up and cementing Fiery Cross coral, but says no soldiers Reef/ Northwest stationed here. 8,080 square Investigator meters, 14 miles (23 km) long, with  $Reef^{\frac{[12][29]}{2}}$ airstrip. "Marine observation 🛂 Đá Chữ Thập station" built in 1988; coconut, fir, and banyan trees planted. Actually 3 reefs. Occupied since 1988. A sand dune, 2 m high. Has fringing 南薰礁 Nanxun reef plus a reef 2 miles (3 km) to Jiao (Northern the south, both covered at high reef) / Xinan or tide. Now all cement and a raised Gaven Duolu Jiao (S.  $Reefs^{[12][29]}$ metal frame, with two-story reef) buildings placed on top. Southern Burgos reef was occupied by PRC on 7/4/92. Occupied since 1988. Part of Tizard 🛂 Đá Ga Ven Lies 9 miles (14 km) to the east of Sin Cowe Island. Naturally above 新工作 Dongmen Hughes Reef $\frac{[12]}{}$ water at least at low tide. Jiao Occupied since 1988. Part of Union Banks. Contiguous with Vietnam-occupied 赤瓜礁 Chigua Collins Reef which lies 4 miles (6 Jiao km) away northwest. Naturally above **Mabini** Johnson South water only at low tide, but [9]  $Reef^{[12][29]}$ says many rocks above water at high tide. Site of 1988 PRC/Vietnam Đá Gạc Ma clash. Occupied since 1988. Part of Union Banks. Some rocks above water at low tide. 美济礁 Meiji Has a lagoon. In February 1995, PRC had built a wooden complex on Panganiban<sup>[32]</sup> stilts here, starting its formal occupation of the feature. In 1999, Mischief the Philippines protested over this  $_{\mbox{\scriptsize O}}$  $Reef^{[12][29]}$ structures claiming that it is a military outpost and it poses Đá Vành Khăn danger to Philippine security and national defense, being 130 miles (209 km) from Palawan. PRC claims it is a shelter for fishermen. 渚碧礁 Zhubi Dao Lies 16 miles (26 km) southwest of Philippine-occupied Thitu Island Zamora (Pagasa Island). Naturally above Subi Reef [12] [29] water only at low tide. Surrounds a 0 lagoon. PRC has constructed 3-story 🍱 Đá Su Bi buildings, wharfs, and a helipad here. A few rocks are permanently above

信义礁 Xinyi

Jiao

sea level. Much of the reef is

lagoon.

above water at low tide. Encloses a

First Thomas

Reef

╧️信義暗沙 Xinyi Bulig [32] Bãi Suối Ngà ──**牛轭礁** Niu**'**e Some rocks naturally above water at  $_{\mbox{\scriptsize O}}$ Whitson  $Reef^{[29]}$ Jiao high tide. Part of Union Banks. Đá Ba Đầu Total 0 9 reefs Republic of the Philippines Area Local Names Description Int'l Name (ha.) ightharpoonsPatag $^{ ext{[32]}}$  The fourteenth largest Spratly island. About 6 miles (10 km) southwest of Philippineoccupied Lawak Island (Nanshan Island). It changes its shape seasonally. The sand build up will depend largely on the direction of prevailing wind and waves. It takes the Feixin Dao shape of an elongated one for some years now and a shape like that of a crescent moon for few years ago and it formed the shape of a Flat letter "S" in the past. Like Panata Island Island<sup>[12][29]</sup> 0.57 (Lankiam Cay), it is also barren of any vegetation. No underground water source is found in the island. Presently, this island Dảo Bình serves only as a military observation post Nguyên for the Municipality of Kalayaan. A low, flat, sandy cay, 240 by 90 m, subject to erosion. Has a nearby reef which is above water at high tide. With large guano deposits. No vegetation. Several soldiers stationed. The fifteenth largest and the smallest Panata<sup>[32]</sup> Spratly island. Located 8 miles (13 km) northeast of Philippine-occupied Kota Island 杨信沙洲 (Lankiam Cay). A few years ago this island has a surface area of more than 5 hectares Lankiam 楊信沙洲 Cay [12] [29] but strong waves brought by a strong typhoon 0.44 washed out the sandy surface (beach) of the Yangxin island leaving behind today the calcarenite Shazhou foundation that can be seen at low tide. 🔼 Cồn San Several soldiers stationed. Part of Loaita Hô Lan Can Banks. Kota<sup>[32]</sup> The tenth largest Spratly island. Located 22 miles (35 km) southeast of Philippine-南钥岛 occupied Pag-asa Island (Thitu Island) and 22 miles (35 km) north-northeast of the ROCoccupied Itu Aba Island. It fringes the 南鑰島 Laoita bank and reef. Its calcarenite Nanyue Dao outcrop is visible along its western side at Island<sup>[12][29]</sup> low tide. The present shape of the island indicates sand buildup along its eastern side. The anchor-shaped side will eventually 🛂 Đảo Loại connect with the northern portion as the Тa sand buildup continues thereby creating another mini-lagoon in the process. The

> presence of migrating sea birds adds to the high phosphorus contents of the sand found

Nanshan Island [12] [29]  Northeast Cay [12] [29]	Viễn Parola <sup>[32]</sup> 北子岛 Beizi Dao 北子礁 Beizi Jiao	98.0 miles (157.7 km) east of Pag-asa (Thitu Island). This island is a bird sanctuary. Its surroundings are highly phosphatized that superphosphate materials can be mined out on a small-scale basis. Near the fringes of the breakwaters (approx. 2 miles (3 km) from the island), intact hard coral reefs were observed to retain their natural environment and beautiful tropical fishes were seen colonizing these coral beds of varying colors. Covered with coconut trees, bushes and grass. 580 m long, on the edge of a submerged reef. Several soldiers stationed. Has a small airstrip.  The fifth largest Spratly island. Only 1.75 miles (2.82 km) north of Vietnamese-occupied Southwest Cay and can be seen before the horizon. Located 28 miles (45 km) northwest of Philippine-occupied Pag-asa (Thitu Island). Some of its outcrops are visible on its western side. It has high salinity groundwater and vegetation limited to beach type of plants. The corals around the island were mostly destroyed by rampant use of dynamite fishing and cyanide method employed by foreign fishing boats in the past. Covered with grass and thick trees. Much of the ringing reef is above water at high tide. Supported a beacon in 1984. Has Guano deposits. Several soldiers stationed. Satellite photography suggests it may have an airstrip. [33] Occupied since 1968. Part of	7.93
	Pag- asa <sup>[32]</sup>	North Danger Reef.  The second largest Spratly island. Serves as the <u>poblacion</u> for the Municipality of	
Thitu Island <sup>[12][29]</sup>	中业岛 中業島 Zhongye Dao  Dảo Thị Tứ	Kalayaan, Palawan, Phils. It is covered with trees and has a variety of fauna. It is home to some 300+ civilians (including children) and over 50 soldiers. Other islands are expected to be populated before 2010. Population is regulated to protect the islands' flora and fauna and to avoid tension with other countries. It has 1.4 km airstrip, a marina, water filtering plant, power generator and a commercial communications tower (by Smart Communications). The Philippines' Department of Tourism is making improvements to the island to make it profitable. Occupied since	37.2
West York Island [12][29]	Likas <sup>[32]</sup> 西月岛	1968. Part of Thitu Reefs.  The third largest Spratly island. This island is located 47 miles (76 km) northeast of Pag-asa (Thitu Island). Outcrops are visible on the southern and eastern portion	18.6

	西月島 Xiyue Dao  Dảo Bến Lạc, Đảo Dừa	of the island during low tides. This island is considered a sanctuary for giant sea turtles that lay their eggs on the island all year round. The high salinity of the ground water in the island retards the growth of introduced trees like coconuts, ipil-ipil, and other types. Only those endemic to the area that are mostly beach type of plants thrive and survive the hot and humid condition especially during the dry season. Has an observation post. Several soldiers stationed.	
Commodore Reef <sup>[12][29</sup>	司令礁	A sand "cay", 0.5 m high, surrounded by two lagoons. Parts of reef above water at high tide. It is a typical reef lying underwater and is now being manned by a military contingent based and established in the area. Some structures. Several soldiers stationed. Occupied since 1978.	0
Irving Reef <sup>[29]</sup>	火艾礁 Huo'ai Jiao  Dảo Cá Nhám	Naturally above water only at low tide. A very small cay lies at northern end. Some structures. Several soldiers stationed.	0
Second Thomas Reef <sup>[34]</sup>	Ayungin <sup>[32]</sup> 仁爱礁 Ren'ai Jiao <b>仁愛暗沙</b> Ren'ai Ansha	A shallow reef. It is close to Chinese-occupied Mischief Reef. It was occupied by the Philippines in 1999, after the 1995 controversial Chinese occupation of Mischief Reef, to put pressure on China not to occupy any features further which lie near the Philippines.	0
Total		7 islands, 3 reefs	83.89
	*	Socialist Republic of Vietnam	_
Int'l Nam	ne Local Nar	mes Description	Area (ha.)
Amboyna Cay <sup>[12][29]</sup>	Datu Kalantiav 安波沙 Anbo Sha: Dảo Ar Bang Pulau Amboyna I	Two parts: East part consists of sand and coral, west part is covered with guano. Has fringing reef. An obelisk, about 2.7 m high, stands on the SW corner. Little vegetation. Lighthouse operational since May 1995. Heavily fortified.	1.6
Namyit Island <sup>[12]</sup>	Binago <b>灣麻岛</b> Hongxiu I	Covered with small trees, bushes and grass. Has a fringing reef and is	5.3

Dảo Nam Yết.

Bailan

## 敦谦沙洲

Sand Cay [12] [29]

Dunqian Shazhou

Đảo /Đá Sơn Ca

**Nurok** [32]

Sin Cowe Island<sup>[12]</sup>[29] 景宏岛

Jinghong Dao Đảo Sinh

Pugad

Tồn

南子岛

Nanzi Dao

南子礁 Nanzi Jiao

Southwest Cav<sup>[12] [29]</sup>

> 🛂 Đảo Song Tử Tây

inhabited by sea birds. The island is inhabited by an unknown number of Vietnamese soldiers and in the deep waters fronting the south side it is said that a submarine base is situated. [citation needed] Occupied since 1975. Part of Tizard Banks.

The ninth largest Spratly island. Lies 6 miles (10 km) to the east of Taiwanoccupied Itu Aba Island. Covered with trees and bushes. Fringing reef partly above water at low tide. This feature is commonly confused with Sandy Cay. Occupied since 1974. Part of Tizard Banks.

The seventh largest. Has fringing reef which is above water at low tide. Occupied since 1974. Part of Union

8

Banks.

The sixth largest Spratly island. Only

1.75 miles (2.82 km) from Northeast Cay and can be seen before the horizon. Previously a breeding place for birds and covered with trees and guano. Export of guano was once carried out "on a considerable scale." Fringing reef partly above water at high tide. Vietnam erected its first lighthouse in the Spratlys here in October 1993 and built an airstrip. Has a three-story building, garrisoned by soldiers. Philippine military controlled the island before early 1970s. South Vietnamese forces (Republic of Vietnam) invaded the island in 1975, when Filipino soldiers guarding the island attended the birthday party of their commanding officer based in the nearby Northeast Cay. A confirmed report came out that Vietnamese prostitutes were sent by Vietnamese officials to the birthday party, supposedly a sign of good brotherhood between the forces, but was actually used to lure the Filipino soldiers guarding the island. Filipino forces apparently planned on attacking the island, thus it would have led to a war, but Vietnamese forces were able to erect a huge garrison in the island within few weeks, forcing Filipino officials to abort the plan. Since then, more soldiers were assigned to Parola Island (North East Cay), to avoid it from happening again. This was confirmed by interviews with soldiers involved in an episode of the defunct  $\underline{ABS-CBN}$ 's Magandang Gabi Bayan (Good Evening Nation) program. See Policies, activities and history of the Philippines in Spratly Islands#Southwest

		<pre>Cay invasion for more details. Part of North Danger Reef.</pre>	
Spratly Island (proper)/ Storm Island [12] [29]	Nanwei Dao  Pảo Trường Sa  De Jesus [32]	The fourth largest Spratly island. 2.5 m high, flat. Covered with bushes, grass, birds and guano. 5.5 m-high obelisk at southern tip. Has landing strip, and a fishing port. Fringing reef is above water at low tide. Some structures with soldiers stationed. Occupied since 1974.	13
Alison Reef <sup>[12][29]</sup>	六门礁 Liumen Jiao ▶ Bãi Tốc Tan	Naturally above water only at low tide. Encloses a lagoon.	0
Barque Canada Reef/Lizzie Weber Reef <sup>[12][29]</sup>	Magsaysay  (Lizzie Weber Reef) Mascarado  H礁 Bai Jiao  Bãi Thuyền Chài	Coral. Highest rocks are 4.5 m high, at SW end. Much of reef is above water at high tide. Some sandy patches. 18 miles (29 km) long. Its military structures were recently upgraded. Occupied since 1987.	0
Central London Reef <sup>[12][29]</sup>	Perahu  Gitnang Quezon [32]  中礁 Zhong Jiao  Dảo Trường Sa Đông	SW part is a sandbank which barely submerges at high tide. The rest is coral reef, awash, surrounding a lagoon. Occupied since 1978. Part of London Reefs.	0
Collins Reef/ Johnson North Reef <sup>[29]</sup>	Roxas 鬼喊礁 Guihan Jiao  **Dá Cô Lin	Lies 8 miles (13 km) southwest of Vietnam-occupied Sin Cowe Island. Connected to Johnson South Reef. A "coral dune" is located at the southeast corner, above the high tide line. Part of Union Banks.	0
Cornwallis South Reef <sup>[12][29]</sup>	Osmeña  南华礁  Nanhua Jiao  Dá Núi Le  Paredes	Naturally above water only at low tide. Encloses a lagoon. Occupied since 1988.	0
Great Discovery Reef <sup>[12] [29]</sup>	大现礁 Daxian Dao Dá Lớn	Several rocks are above water at high tide. Most of reef is above water at low tide. Has lagoon. Occupied since 1988.	0
East London Reef <sup>[12][29]</sup>	Silangang Quezon <sup>[32]</sup> <b>东礁</b> Dong Jiao Dá Đông	Rocks up to 1 m high. Encloses a lagoon. Occupied since 1988. Part of London Reefs.	0

Grierson Reef <sup>[29]</sup>	Dulian Felipe 染青沙洲 Ranging Shazhou	A sand cay with fringing reef. Some references tell that there exist a Sin Cowe East Island. This island may be Grierson Reef. It was probably called Sin Cowe East Island because it is located to the east of Sin Cowe Island and that its sand bar is visible during low tides, making it an island. Due to convention that an island must always be visible even at highest tides, Grierson Reef is not considered as an island in this list. Its sand bar area is about 12 hectares. Part of Union Banks.	
Higgens Reef <sup>[12]</sup>	<b>屈原礁</b> Quyuan Jiao Dá Hi Ghen, Đá Hi Gen	Lies 6 miles (10 km) southeast of Vietnam-occupied Sin Cowe Island. Only above water at low tide. Part of Union Banks.	0
Ladd Reef <sup>[12]</sup>	日积礁 Riji Jiao ▶Dá Lát ▶Pagkakaisa	Naturally above water at low tide. Has coral lagoon. Occupied since 1988.	0
Lan(d)sdowne Reef <sup>[12][29]</sup>	<b>琼礁</b> Qiong Jiao ▶ Đá Len Đao	Sand dune, with fringing reef. Part of Union Banks.	0
Pearson Reef <sup>[12][29]</sup>	₩ <b>生礁</b> Bisheng Jiao  Dảo Phan  Vinh	Two sand "cays", 2 m and 1 m high, lie on the edges of a lagoon. Parts of the surrounding reef are above water at high tide. Occupied since 1988.	0
Petley Reef <sup>[12][29]</sup>	Juan Luna <b>舶兰礁</b> Bolan Jiao Dá Núi Thị	Naturally above water only at low tide, some small rocks might stand above high water. Occupied since 1988. Part of Tizard Banks.	0
Pigeon Reef/ Tennent Reef <sup>[12][29]</sup>	Lopez- Jaena 无乜礁 Wumie Jiao	Numerous rocks are naturally above the high tide line. Encloses a lagoon. Occupied since 1988.	0
South Reef <sup>[12][29]</sup>	Timog  赤罗礁 Nailuo Jiao  Dá Nam	Lies about 2.5 miles (4 km) southwest of Vietnam-occupied Soutwest Cay. A tiny cay appears atop this reef on the most detailed map available. On the southwest end of North Danger Reef. Fringing reef is above water at low tide. Occupied since 1988. Part of North Danger Reef.	
West London Reef <sup>[12][29]</sup>	Manlurang Quezon [32]  西礁 Xi Jiao  Dá Tây	East part is sand "cay", 0.6 m high. West part is coral reef which is above water only at low tide. Between them is a lagoon. Vietnam erected a lighthouse here in May or June 1994. Part of London Reefs.	0

Rifleman Bank (containing Bombay Castle) <sup>[29]</sup>	<b>南薇滩</b> Nanwei Tan Bãi Vũng Mây	Shallowest natural depth is 3 m, called Bombay Castle. Sand and coral. Occupied since 1989.	0
Prince of Wales Bank	广雅滩 Guangya Tan Bãi Phúc Tần	Shallowest natural depth is 7 m. Has corals. Occupied since 1989.	0
Grainger Bank <sup>[29]</sup>	李准滩 Lizhun Tan Bãi Quế Đường	Shallowest natural depth is either 9 m or 11 m. Occupied since 1991.	0
Alexandra Banl	人骏滩 Renjun Tan ▶ Bãi Phúc Tần	Shallowest natural depth is 5 m. Occupied since 1991.	0
Prince Consort Bank <sup>[29]</sup>	西卫滩 Xiwei Tan Bãi Phúc Nguyên	Shallowest natural depth is 9 m. Occupied since 1990.	0
Vanguard Bank <sup>[29]</sup>	<b>万安滩</b> Wan'an Tan  Bãi Tư Chính	Shallowest natural depth is 16 m. Vietnam has run three "economic technological service stations" in this area since July 1994. Occupied since 1989.	0
Total		6 islands, 16 reefs, 6 banks	46.9
Total		6 islands, 16 reefs, 6 banks Malaysia	
Total Int'l Name	Local Names		46.9 Area (ha.)
	Celerio Dá Hoa Lau 弹丸礁	Malaysia	Area
<pre>Int'l Name  Swallow Reef/</pre>	Dá Hoa Lau <b>弹丸礁</b> Danwan Jiao  Terumbu Layang Layang  Antonio	Malaysia  Description  The eleventh largest Spratly island. Treeless cay and rocks up to 3 m high surround a lagoon. Malaysia has drawn territorial seas around this and Amboyna Cay. Some 70 plus soldiers stationed here maintain a beacon. Has a fishing port and a 15-room diving resort, including a 1.5 km airstrip. Present land mass is reclaimed, making it the first artificial island in Spratly.	Area (ha.)
<pre>Int'l Name  Swallow Reef/</pre>	Dá Hoa Lau <b>弹丸礁</b> Danwan Jiao  Terumbu  Layang Layang	Malaysia  Description  The eleventh largest Spratly island. Treeless cay and rocks up to 3 m high surround a lagoon. Malaysia has drawn territorial seas around this and Amboyna Cay. Some 70 plus soldiers stationed here maintain a beacon. Has a fishing port and a 15-room diving resort, including a 1.5 km airstrip. Present land mass is reclaimed, making it the first artificial island in Spratly.	Area (ha.)

Guangxing Jiao Terumbu Laya **>=**Gabriela Silang[32] Above water only at low tide. Some Erica Reef/ 簸箕礁 Boji isolated rocks on the eastern edge stand 0 Enloa Reef [35] Jiao above high water. Terumbu Siput Pawikan<sup>[32]</sup> 榆亚暗沙 Above water only at low tide. Some large Yuya Ansha Investigator rocks at the western end are visible at 0Shoal [35] Bãi Thám high water. Encloses a lagoon. Hiểm Terumbu Peninjau 南通礁 Nantong Jiao Louisa Rocks 1 m high. Malaysia operates a Ω  $Reef^{[29]}$ Terumbu lighthouse here. Semarang/ Barat Kecil Mariveles 南海礁 A sand cay, 1.5-2 m high, surrounded by Nanhai Jiao Mariveles two lagoons, parts of which are above 0  $Reef^{[12][29]}$ Bãi /Đá Kỳ water at high tide. Several soldiers stationed. Occupied since 1986. Vân Terumbu Mantanani 1 artificial island, 5 reefs, 1 shoal Total 6.2

- 12 <u>Territorial claims in the Spratly and Paracel Islands</u>, globalsecurity.org
- 29 "Digital Gazetter of Spratly Islands". http://www.southchinasea.org/macand/gazetteer.htm. Retrieved 2008-02-08
- 32 "Place Keywords by Country/Territory- Pacific Ocean (without Great Barrier Reef)" (PDF)