

## List of the names of all Spratly features known to be occupied and/or above water at low tide.

m = meters. All miles are nautical miles. In Mandarin Chinese: Dao = Island; Shazhou = Cay; Jiao = Reef; Ansha = Shoal; and Tan = Bank.

Name	Location	Description	Occupier
<i>Alicia Annie Reef</i> Da Suoi Ngoc (V) Xian'e Jiao (C) Arellano (P)	9°25'N 115°26'E	A sand "cay", 1.2 m high. Many rocks above high tide line. Reef encloses a lagoon.	None
<i>Alison Reef</i> Da (or Bai) Toc Tan (V) Liumen Jiao (C)	8°51'N 114°00'E	Naturally above water only at low tide. Encloses a lagoon.	Vietnam no date
<i>Amboyna Cay</i> Dao An Bang (V) Anbo Shazhou (C) Kalantiyaw (P) Pulau Amboyna Kecil (M)	7°51'N 112°55'E	1.6 ha. 2 m high. 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.	Vietnam 1975 or 1978 1979
<i>Ardasier Reef</i> Bai Kieu Ngua (V) Andu Tan (C), Xibo Jiao (T) Terumbu Ubi (M)	7°38'N 113°56'E	Naturally above water only at low tide. Encloses a lagoon. Has a few sandy patches. Malaysia presently has 20 soldiers stationed here.	Malaysia 1986
<i>Baker Reef</i> Gongzhen Jiao (C)	10°43.5'N 116°10'E	Awash at low tide.	None
<i>Ban Than Jiao (C)</i> (Part of Tizard Banks)	10°24'N 114°24'E	Small drying reef halfway between Taiwan-occupied Itu Aba and Vietnam-occupied Sand Cay. "Construction project" underway in spring 1995.	Taiwan March '95
<i>Barque Canada Reef</i> Bai Thuyen Chai (V) Bai Jiao, Liwei Dao (C) Terumbu Perahu (M) Mascado (P)	8°10'N 113°18'E	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 long. Its military structures were recently upgraded. Some sources say Malaysia occupies.	Vietnam 1987 Malaysia, 1988
<i>Bombay Castle</i>		See Rifleman Bank.	
<i>Bombay Shoal</i> Pengbo Bao (Ansha) C)	9°26'N 116°55'E	Several rocks are exposed at low tide. Surrounds a lagoon.	None
<i>Boxall Reef</i> Niuchelun Jiao (C)	9°36'N 112°24'E	Above water only at low tide. No lagoon	None
<i>Central Reef</i> (Part of London Reefs) Dao Truong Sa Dong (V) Zhong Jiao (C)	8°55'N 116°11'E	SW part is a sandbank which barely submerges at high tide. The rest is coral reef, awash, surrounding a lagoon	Vietnam 1978
<i>Collins Reef</i> (Part of Union Banks) Da Co Lin, Bai Vung May (V)	9°45'N 114°14'E	Also known as Johnson North Reef, as it is connected to Johnson South Reef. A "coral dune" is located at the southeast corner, above the high tide	Vietnam no date

Guihan Jiao (C)		line	
<i>Commodore Reef</i> Da Cong Do (V) Siling Jiao (C) Terumbu Laksamana (M) Rizal (P)	8°21'N 115°17'E	A sand "cay", 0.5 m high, surrounded by two lagoons. Parts of reef above water at high tide. Some structures. Some sources say deserted since 1986	Philippines 1978
<i>Cornwallis South Reef</i> Da Nui Le (V) Nanhua Jiao (C)	8°44'N 114°11'E	Naturally above water only at low tide. Encloses a lagoon. Some sources claim that Malaysia has one officer and eight soldiers stationed here.	Vietnam 1988
<i>Cuarteron Reef</i> (Part of London Reefs) Bai Chau Vien (V) Huayang Jiao (C)	8°53'N 112°51'E	Coral rocks only. highest are 1.5 m high, on the north. No lagoon. Also called Guarteron Reef.	PRC 1988
<i>Da Ba Dao</i> (V)		See Whitson Reef.	
<i>Dallas Reef</i> Da Da Lat (V) (?) Guangxing Jiao (C) Terumbu Laya (M)	7°38'N 113°48'E	Naturally above water only at low tide. Encloses a lagoon. One officer and eight soldiers stationed here in 1988. Malaysia is also using this reef for tourism.	Malaysia 1987
<i>Discovery Great Reef</i> Da Lon (V) Daxian Dao (C); Paredes (P)	9°59'N 113°51'E	Several rocks are above water at high tide. Most of reef is above water at low tide. Has lagoon	Vietnam 1988
<i>Discovery Small Reef</i> Da Nho (V) Xiaoxian Jiao (C)	10°01'N 114°02'E	Above water only at low tide. One source states that Vietnam occupies this reef, but no other author supports his claim.	None?
<i>East Reef</i> (Part of London Reefs) Da Dong. Con Dong (V) Dong Jiao (C) Silangan (P)	8°52'N 112°46'E	Rocks up to 1 m high. Encloses a lagoon	Vietnam 1988
<i>Eldad Reef</i> (Part of Tizard Banks) Anda Jiao (C) Beting Burgai (P)	10°21'N 114°42'E	Only a few large rocks are naturally above water at high tide. Sources claim that this reef is occupied by PRC. Sources give Guihan Jiao as the Chinese name, but others grant this name to Collins Reef.	Vietnam? Between 1978 & 1983
<i>Erica Reef</i> Boji Jiao (C) Terumbu Siput (M)	8°07'N 114°10'E	Either reef is above water only at low tide, or "some isolated rocks on the eastern edge might stand above high water." Encloses a lagoon.	None
<i>Fiery Cross Reef(s)</i> (Also called Northwest Investigator Reef) Da Chu Thap (V) Yungshu Jiao (C) Ka(gi)lingan (P)	9°37'N 112°58'E	Rocks up to 1 m high or all below high tide, but guano deposits disagree. PRC built a navy harbor by blasting, piling up and cementing coral, but says no soldiers stationed here. 8,080 square meters, 14 miles long, with airstrip. "Marine observation station" built in 1988; coconut, fir, and banyan	PRC 1988

		trees plantes as well. Actually 3 reefs.	
<i>First Thomas Shoal</i> Bai Suoi Nga (V) Xinyi Ansha, Xinyi Jiao (C)	9°20'N 115°57'E	A few rocks are permanently above sea level. Much of the reef is above water at low tide. Encloses a lagoon	None
<i>Flat Island</i> Dao Binh Nguyen (V) Feixin Dao, Antang Dao (C) Patag (P)	10°50'N 115°49'E	A low, flat, sandy cay, 240 by 90 m, subject to erosion. Has a nearby reef which is above water at high tide. Other claims that area is only 0.75 acres and elevation is less than 5 m, with large guano deposits. No vegetation	Philippines no date
<i>Gaven Reefs</i> (Part of Tizard Banks) Da Ga Ven (V) Nanxun Jiao (C) (Northern reef) Xinan or Duolu Jiao (C) (S. reef)	10°13'N 114°12'E	A sand dune, 2 m high. Has fringing reef plus a reef 2 miles to the south, both covered at high tide. Also called calls this Gaven Island. Now all cement and a raised metal frame, with two-story buildings placed on top. Southern reef was occupied by PRC on 7/4/92 [13].	PRC 1988
<i>Grainger Bank</i> Bai Que Duong (V) Lizhun Tan (C)	7°52'N 110°29'E	Shallowest natural depth is either 9 m or 11 m	Vietnam 1989
<i>Grierson Reef</i> (Part of Union Atoll) Ca Nham, Sinh Ton Gong (V) Ranqing Shazhou (C)	9°54'N 114°35'E	A sand cay w/fringing reef at about this spot, but doesn't give its name. Probably synonymous with Sin Cowe East Island, but some sources list Sin Cowe East Island as being occupied by Vietnam since 1988 and Grierson as being unoccupied.	None? Vietnam 1988?
<i>Half Moon Shoal</i> Bai Trang Khuyet (V) Banyue Jiao (C)	8°52'N 116°16'E	Several rocks on the eastern side rise one to two feet above high tide. Encloses a lagoon. PRC has placed a stone marker here.	None
<i>Hardy Reef</i> Banlu Jiao (C)	10°07'N 116°08'E	Naturally above water only at low tide. Surrounds a narrow strip of sand.	None
<i>Higgins Reef</i> (Part of Union banks) Quyuen Jiao (C)	9°48'N 114°24'E	Only above water at low tide.	None
<i>Holiday Reef</i> (Part of Union Banks) Changxian Jiao (C)	9°49'N 114°23'E	Above water only at low tide	None
<i>Hopps Reef</i> Da Hop (V) Lusha Jiao (C)	10°15'N 115°23'E	Above water only at low tide. Part of Southampton Reefs.	None
<i>Hughes Reef</i> (Part of Union Banks)	9°55'N 114°30'E	Above water only at low tide	None
<i>Investigator Reef</i> Bai Tham Hiem (V) Langkuo, Yuya Jiao (C) Terumbu Peninjau (M)	8°07'N 114°40'E	Reef is above water only at low tide, but some large rocks at the western end might be visible at high water. Encloses a lagoon.	None

<i>Iroquois Reef</i> Houteng Jiao (C)	10°37'N 116°10'E	Above water only at low tide.	None
<i>Irving Reef</i> Dao Ca Nham (V) Huo'ai Jiao (C) Balagtas (P)	10°53'N 114°56'E	Most sources say naturally above water only at low tide, and Jiao is Chinese for reef. Other sources calls this Irving Cay, and state that a very small cay lies at the reef's northern end.	Philippines no date
<i>Itu Aba Island</i> (Part of Tizard Banks) Dao Thai Binh, Dao Ba Binh (V) Taiping Dao (C) Ligaw (P)	10°23'N 114°21'E	Covered w/shrubs, coconut and mangroves in 1938. 960 x 400 m, 0.46 sq. km or 46 ha--the largest Spratly Is. 600 soldiers, lighthouse, radio and weather stations, concrete landing jetty and two wells at SW end. Guano deposits, fringing reef. Hainan fishermen used to visit annually. In 8/93, plans were announced for a 2 km-long airstrip and fishing port.	Taiwan 1956 or 1963
<i>Jackson Reef</i> Wufan(g) Jiao (C)	10°30'N 115°45'E	Four or five portions are above water at low tide. Encloses a lagoon	None
<i>Johnson North Reef</i>		See Collins Reef	
<i>Johnson South Reef</i> (Part of Union banks) Da Gac Ma (V) Chigua Jiao (?) (C)	9°43'N 114°18'E	Contiguous with Collins Reef. Naturally above water only at low tide. Chigua as Chinese name. "Mabini" is English for Chigua. Site of 1988 PRC/Vietnam clash.	PRC 1988
<i>Kennan Reef</i> (Part of Union Banks) Da Ken Nan (V) Dongmen or Ximen Jiao (C)	9°53'N 114°27'E	Naturally above water at least at low tide.	PRC 1988
<i>Ladd Reef</i> (Hon) Da Lat (V) Riji, Jiao, Shizi Jiao (C)	8°38'N 11°40'E	Naturally above water at low tide. Coral lagoon. Was occupied by Vietnam in 1988. A marker was placed on "Da La" by the PRC in 7/92, but not occupied.	PRC July 1992
<i>Lan(d)sdowne Reef</i> (Part of Union Banks) Da Len Dao (V) Qiong Jiao (C)	9°46'N 114°22'E	Sand dune, with fringing reef. Either PRC occupied or unoccupied.	Vietnam no date
<i>Lankiam Cay</i> Bo Loai Ta (V) Yanxin Shazhou (C) Panata (P)	10°44'N 114°31'E	Sand, surrounded by three reefs which are above water at high tide.	Philippines no date
<i>Livock Reef</i> Sanjiao Jiao (C)	10°11'N 115°18'E	Above water only at low tide, but some rocks still visible at high tide. Part of Southampton Reefs.	None
<i>"Loaita Cay"</i> Bai Loai Ta Nam (V) Nanyue Shazhou, Nanyao Shazhou (C)	10°44'N 114°21'E	A sand cay, with fringing reef naturally above water at high tide. Speculation regarding Chinese occupation, most maps mark it as unoccupied.	PRC? 1988?

<i>Loaita Island</i> Dao Loai Ta (V) Nanyue Dao, Nanyao Dao (C) Kota (P)	10°41'N 114°25'E	2 m high, 6 ha; covered with mangrove bushes in 1933, above which rose coconut palms and other small trees. At this time a beacon was operating here, but no indication who built it. Fringing reef	Philippines 1968
<i>Loaita Nan</i> Bai Loai Ta (V) Zhuangyuan Jiao, Shuanghuang Shazhou (C)	10°42.5'N 114°19.5'E	Also called Loaita Southwest Reef. Never above water. PRC may have occupied either this or Loaita Cay in 1988. This and Loaita Cay may be one and the same.	PRC? 1988?
<i>Louisa Reef</i> Nan Tong Jiao (C) Terumbu Semarang Barat Kecil (M)	6°20'N 113°14'E	Rocks 1 m high. China did plant a stone marked here in 1988, which Malaysia promptly removed. Malaysia operates a lighthouse (beacon/"accommodation module") here.	Malaysia no date
<i>Loveless Reef</i> (Part of Union Banks) Hua Jiao (C)	9°49'N 114°16'E	Above water only at low tide.	None
<i>Mariveles Reef</i> Bai (or Da) Ky Van (V) Nanhai Jiao (C) Terumbu Mantanani (M)	7°59'N 113°50'E	A sand cay, 1.5-2 m high, surrounded by two lagoons, parts of which are above water at high tide. Malaysia has 20 soldiers stationed here.	Malaysia 1986 or 1987
<i>Menzies Reef</i> (Part of Loaita Bank) Da Men Di (V) Mengzi Jiao (C)	11°09'N 114°49'E	Awash at low tide.	None
<i>Mischief Reef</i> Da Vanh Khan (V) Meiji Jiao (C)	9°55'N 115°32'E	Some rocks above water at low tide. Has a lagoon. In Feb. 1995, the Philippines found that the PRC had built a wooden complex on stilts here for fishermen.	PRC 1995
<i>Namyit Island</i> (Part of Tizard Banks) Dao Nam Yit (V) Hungma Dao, Hongxiu Dao (C), Binago (P)	10°11'N 114°22'E	About 6 m (or 19m) high. Covered with small trees, bushes and grass in 1963. Fringing reef.	Vietnam 1974 or 1975
<i>Nanshan Island</i> Dao Vinh Vien (V) Mahuan Dao (C) Lawak (P)	10°45'N 115°49'E	2.5 m high, covered with coconut trees, bushes and grass in 1963. 580 m long, on the edge of a submerged reef. Has a small airstrip.	Philippines no date
<i>North Reef</i> (Part of North Danger Reef) Shuangzi, Gongshi or Dongbei Jiao (C)	11°28'N 114°22'E	At NE end of North Danger Reef. Naturally above water only at low tide. PRC troops may be stationed on North Danger Reef, and this is the only feature on the atoll not definitely occupied by someone else. Other sources claim that Vietnam has occupied this reef since 1987.	PRC? 1989?
<i>Northeast Cay</i> (Part of North Danger Reef)	11°28'N 114°21'E	3 m high, covered with grass and thick trees in 1963. 685 x 90 m, or 20 acres. Much of fringing reef is above	Philippines 1968 or 1971

Dao Song Tu Dong (V) Beizi Dao (C) Parola (P)		water at high tide. Supported a beacon in 1984. Guano deposits	
<i>Northeast Investigator Shoal</i> Haikou Jiao (C)	9°10'N 116°27'E	Part of this reef is above water at low tide.	None
<i>Northwest Investigator Reef</i>		See Fiery Cross Reef	
<i>Owen Shoal</i> Aoyuan Ansha (C)	8°10'N 111°59'E	Shallowest natural depth is 6 m, unoccupied.	None
<i>Pearson Reefs</i> Hon Sap, Phan Vinh or Dao Vanh Vinh (V) Bisheng Dao (C) Hizon (P)	8°58'N 113°41'E	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	Vietnam 1988
<i>Petley Reef</i> (Part of Tizard Banks) Da Nui Thi, Do Thi (V) Bolan Jiao (C)	10°24'N 114°34'E	Some small rocks might stand above high water.	Vietnam 1988
<i>Pigeon Reef</i> Da T(h)ien (Yen) Nu (V) Wumie Jiao (C)	8°52'N 114°39'E	Numerous rocks are naturally above the high tide line. Encloses a lagoon. Called Tennent Reef on British charts.	Vietnam 1988
<i>Prince Consort Bank</i> Bai Phuc Nguyen (V) Xiwei Tan (C)	7°56'N 109°58'E	Shallowest natural depth is 9m or 18.3 m. Uoccupied. Coral.	Vietnam 1989
<i>Prince of Wales Bank</i> Bai Huyen Tran or Bai Phuc Tan (V) Guangya Tan (C)	8°04'N 110°30'E	Shallowest natural depth is 7 m. Coral PRC occupying?	Vietnam 1989
<i>Reed Bank</i> Bai Co Rong (V) Liyue Tan, Lile Tan (C)	11°20'N 116°50'E	Shallowest natural depth is 9 or 16 m May have been occupied by the Philippines since 1971 or 1976	None?
<i>Rifleman Bank</i> Bai Vung May (V) Nanwei Tan (C)	7°50'N 111°40'E	Shallowest natural depth is 3 m, called Bombay Castle. Sand and cora Rifleman Bank was perhaps occupied by 1983, and Bombay Castle in 1989.	Vietnam 1983 or 1989
<i>Royal Captain Shoal</i> Jiangzhang Ansha (C)	9°01'N 116°40'E	A few rocks are above water at low tide. Surrounds a lagoon.	None
<i>Royal Charlotte Reef</i> Da Sac Lot (V) Huang Lu Jiao (C) Terumbu Samarang Barat Besar (M)	7°00'N 113°35'E	A sand dune with no vegetation, plus rocks up to 1.2 m high. A beacon has been erected on the reef, but no information whether Malaysia maintains it. Most of the reef is slightly submerged at high tide	None
<i>Sand Cay</i> (Part of Tizard Banks) Da (or Dao) Son Ca (V) Dungian Shazhou (C)	10°23'N 114°28'E	3 m high, 7 ha. Covered with trees and bushes in 1951. Fringing reef partly above water at low tide	Vietnam 1974 or 1975
<i>Sandy Cay</i> Tiexian Jiao (C)	11°03'N 114°13'E	A low sand cay; fringing reef above water at high tide. May be the only unoccupied island or cay in the Spratlys.	None

<i>Scarborough Reef</i> Huang Yen Tao (C)	15°08'N 117°45'E	Several rocks up to 3 m high. Much of the reef is just below water at high tide. Encloses a lagoon. Near the mouth of the lagoon are the ruins of an iron tower, 8.3 m high. No information on who constructed it	None
<i>Shira Islet</i>		See Northeast Cay.	
<i>Sin Cowe Island</i> (Part of Union Banks) Dao Sinh Tonh (V) Jinghong Dao (C) Rurok (P)	9°52'N 114°19'E	May consist of two sand cays, 4 m and 2.5 m high. If so, it may be that one of these is actually the elusive Sin Cowe East Island; sources are unclear on this. Has fringing reef which is above water at low tide	Vietnam 1974 or PRC since 1978
<i>Sin Cowe East Island</i> Sinh Ton Dong (C)	9°55'N 114°32'E	This mysterious feature is shown on four maps but does not appear in others. Probably same as Grierson Reef, but may be one-half of Sin Cowe Island.	None? Vietnam? 1988?
<i>South Reef</i> (Part of North Danger Reef) Da Nam (V) Nailuo or Xinan Jiao (C)	11°23'N 114°18'E	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.	Vietnam 1988
<i>Southampton Reefs</i>		See Hopps and Livock Reefs.	
<i>Southwest Cay</i> (Part of North Danger Reef) Dao Song Tu Tay (V) Nanzi Dao (C) Pugad (P)	11°26'N 114°20'E	Only 1.75 miles from Northeast Cay. Was a breeding place for birds in 1963, when it was covered with trees and guano. Export of guano was once carried out on a considerable scale. Fringing reef partly above water at high tide. Two wells and a 12 m-high "mast" on SE side in 1963. Vietnam erected its first lighthouse in the Spratlys here in October 1993, and may have built an airstrip as well. Cay is 4-6 m high	Vietnam 1974
<i>Spratly Island</i> Dao Truong Sa (V) Nanwei Dao (C) Lagos (P)	8°38'N 114°25'E	2.5 m high, flat. Covered with bushes, grass, birds and guano in 1963. Area 13-15 ha.; 750 x 400 m. 5.5 m-high obelisk at southern tip. Has landing strip, and perhaps a fishing port. Fringing reef is above water at low tide.	Vietnam 1974 or 1975
<i>Subi Reef</i> Da Su Bi (V) Zhubi Dao (C)	10°54'N 114°06'E	Naturally above water only at low tide. Surrounds a lagoon. PRC has constructed 3-story buildings, wharfs, and a helipad here.	PRC 1988
<i>Swallow Reef</i> Da Hua (or Hoa) Lau (V) Danwan Jiao (C) Terumbu Layang Layang (M)	7°23'N 113°48'E	Treeless cay and rocks up to 3 m high surround a lagoon. 6.2 ha. Malaysia has drawn territorial seas around this and Amboyna Cay. 70 soldiers stationed here maintain a beacon. Has a fishing port and a 15-room resort,	Malaysia 1983/1984

		including a 1.5 km airstrip. Soil and trees have been planted on what was four miles of treeless beaches and coral reefs.	
<i>Tennent Reef</i>		See Pigeon Reef.	
<i>Thitu Island</i> Dao Thi Tu (V) Zhongye Dao (C) Pagasa (P)	11°03'N 114°17'E	3.4 m high, covered with grass, bushes and palms in 1963. In the past, occasionally inhabited by Chinese fishermen. 22 ha, with a 5500-ft. landing strip and a marina. Two commercial flights weekly. 100 fishermen and weathermen. Reef dries. Variety of flora and fauna. Second largest island in the Spratlys.	Philippines 1968, 1971 or 1978
<i>Tieshi Jiao (C)</i> (NE of Thitu Island)	11°05'N 114°22'E	Above water only at low tide.	None
<i>Vanguard Bank</i> Bai Tu Chinh (V) Wan-an Tan (C)	7°30'N 109°35'E	Shallowest natural depth is 16 m. Vietnam has run two "economic technological service stations" in this area since July 1994	Vietnam 1989
<i>West Reef</i> (Part of London Reefs) Da Tay, Con Tay (V) Xi Jiao (C)	8°52'N 112°15'E	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.	Vietnam no date
<i>West York Island</i> Dao Ben Lac or Loc (V) Xi Yue Dao (C) Likas (P)	11°05'N 115°01'E	Covered with bushes, mangroves and coconut palms in 1963. 500 x 320 m. Fringing reef is partly above water at low tide	Philippines no date
<i>Whitson Reef</i> (Part of Union Banks) Da Ba Dao (V) Niue Jiao (C)	10°00'N 114°43'E	Some rocks naturally above water at high tide [9]. Also spelled Whitsun. [9, 19] and others call this Niue Jiao in Chinese, but [7] gives this name to nearby Grierson Reef. There may have been a small cay here in 1957, but none remains today.	PRC March 1992
<i>Zhangxi Jiao (C)</i> (Part of Union Banks)	9°46'N 114°24'E	Small reef, partly above water only at low tide	None
<i>Nameless Reef</i> Between Hughes and Holiday Reefs	9°56'N 114°31'E	Above water only at low tide.	None
<i>Two nameless reefs</i> East of Lankiam Cay	9°45-46'N 114°36'E	One reef is above water only at low tide; there is a sand cay atop the other.	None
<i>Two nameless reefs</i> West of Sandy Cay and Thitu Island	11°2-4'N 114°11.- 16'E	Above water only at low tide.	None