

Major known deep-sea hydrothermal vent fields

Ocean	Ridge / BAB	Field	Lat.	Long.	Depth (m)	Sites
Atlantic	Jan-Mayen Ridge	Kolbeinsey	67°05'N	18°43'W	90	
	Mid-Atlantic Ridge	Menez Gwen	37°51'N	31°31'W	840-865	
		Lucky Strike	37°17'N	32°16'W	1620-1730	Eiffel Tower, Statue of Liberty, Sintra, Bairro-Alto, Isabel, Petit chimiste, Fantôme, Montségur, Hélène, Pico, Nuno, Elisabeth
		Mount Saldanha	36°33'N	33°28'W	2300	
		Rainbow	36°13'N	33°54'W	2260-2350	
		Lost City	30°07'N	42°07'W	750-900	
		Broken Spur	29°10'N	43°10'W	3050-3875	Saracen's Head, Wasp's nest, Spire
		TAG	26°08'N	44°49'W	3635-3670	Mir zone, Kremlin
		Snake Pit	23°23'N	44°58'W	3480	Moose, Beehive, The Nail
		Logatchev	14°45'N	44°58'W	2930-3020	Irina Mound, Main Mound, Anna-Louise
		Ashadze-2	12°59'N	44°54'W	3200-3300	
		Ashadze-1	12°58'N	44°52'W	4100-4200	
		Ascension	4°48'S	12°22'W	3100	
Mediterranean	Gulf of Naples	Capo Misseno	40°50'N	14°05'E	coastal	
	Tyrrhenian Sea	Capo Palinuro	40°01'N	15°16'E	9	
	Aegian Sea	Milos	36°40'N	24°23'E	0-115	
Indian	Central Indian Ridge	Edmond Vent Field	23°52'S	69°35'E	3290-3320	
		Kairei Vent Field	25°19'S	70°02'E	2415-2460	
	Gulf of Aden		11°57'N	43°40'E	1400-1600	
North East Pacific	Southern Explorer Ridge	Magic Mountain Zoo Chimney Field	49°46'N	130°15'W	1797	Zooarium, Dead Chimney, Recordbreaker, Zeus
		Magic Mountain Merlin Mound	49°46'N	130°15'W	1778	Stump, Tubeworm, Beercan, Limpet, Anhydrite
		Magic Mountain Mystic Mound	49°46'N	130°16'W	1778	Einstein, Eastern Island, Ridge Top
		Magic Mountain Magestic Chimney	49°46'N	130°15'W	1785	Anhydrite 1-4, Magestic, Obelisk, Digit Field
	Juan de Fuca Ridge	Middle Valley	48°27'N	128°42'W	2400	
		Endeavour Segment Sasquatch Field	48°N	129°04'W	2200	
		Endeavour Segment Salty Dawg Field	47°58'N	129°04'N	2200	Grendl
		Endeavour Segment Main Endeavour	47°57'N	129°06'W	2200	S & M, Peanut, Puffer, Hulk
		Endeavour Segment High Rise Field	47°57'N	129°07'W	2200-2220	Godzilla
		Endeavour segment Mothra Vent Field	47°55'N	129°08'W	2200	Faulty Towers Complex
		CoAxial Segment	46°19'N	129°42'W	2291	Source site, Floc site, Flow site, Mongo vent, Beard vent, Church vent
		Axial Volcano CASM Vent Field	45°59'N	130°02'W	1580	Shepherd vent
		Axial Volcano Lava Flow 98 nSRZ	45°55'N 45°57'N	129°59'W	1530-1544	Magnesia, Oxide, Blue nose, Easy, Milky, Old worms, Minisnow, Roof, The Pit, Old flow, Nascent, Cloud, Snail, Snow, Circ, Castle, Village, Pillar, Joystick, Iron City, Bag City, Crevice, Coquille vent field, Dying

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		Axial Volcano Ashes Vent Field	45°56'N	130°00'W	1547	White, Virgins Daughter, Virgin, Marshmallow, Mushroom, Golum, Inferno, Daves, Hairdo, Medusa, Ropos, Phoenix, Styx, Crack, Steve Mound
		Cleft Segment (Southern Juan de Fuca)	44°39'N	130°15'W	2270	Fountain
	Gorda Ridge	Sea Cliff Vent Field, Northern Gorda Ridge	42°15'N	126°42'W	2700	
		Escanaba Trough	41°00'N	127°29'W	3250	
East Pacific	Southern California	Palos Verdes White Point	33°42'N	118°19'W	1-10	
	Gulf of California	Guaymas Basin	27°00'N	111°24'W	2000	
	East Pacific Rise (Northern)	21°N 13°N	20°50'N 12°48'N 12°50'N	109°06'W 103°56'W 103°57'W	2615 2635	Clam Acres Pogosud, Pogonord, Totem, Genesis, Elsa
		9°N (Venture Hydro- thermal Field)	9°48'N 9°51'N	104°17'W	2500	Biovent, M-vent, Riftia Field, Mussel Bed, East Wall, Tube- worm Pilar, Tevnia Hole, Brasou- cade, Tica
	Galapagos Ridge	Galapagos Spreading Center	00°47'N 00°49'N	86°07'W 86°13'W	2450-2490	Rose Garden, Mussel bed, Small Fry, Garden of Eden
	East Pacific Rise (Southern)	7°S 7°25'S	7°21'S	107°47'W	2735-2752	White Christmas, Sarah'spring, Petite cheminée, Last hope
		14°S	13°58'S 13°59'S	112°28'W	2623-2635	Pagoda, Smokin'Shank, Alvinella chimney, Lucky Eric
		17°24'S	17°24'S 17°25'S	113°12'W	2575-2590	Stanley, Robbie Roost, S-vent, Nadir, Oasis, Rehu Marka
		17°34'S	17°34'S 17°35'S	113°14'W	2590-2600	Calvin, Hobbs, Suzie, Miss Wormwood
		18°S	18°24'S 18°36'S	113°24'W	2636-2680	Fromveur, Cathedral, Sojourn, Animal Farm
		21°S	21°25'S 21°34'S	114°17'W	2800-2850	Les trois diffuseurs, Bordreaux, Grande cheminée, Krasnov, Gro- mit, Brandon, Preston.
		23°S	23°32'S	115°34'W	2598	Needles
	Pacific-Antarctic Ridge	31°S	31°09'S	111°55'W	2330	Fred's Fortress, Nolan's Nook
		Saguaro Field	31°51'S	112°02'W	2235	
		Foundation	37°35'S	110°35'W	2220	
		German Flats - 38°S	37°47'S	110°55'W	2216	Sebastian's Steamer, Pâle Etoile, Annie's Anthill, Serpulid City
West Pacific	Bering Sea	Piyp Submarine Volcano	55°41'N	167°27'E	352-450	
	Kuril Islands	Kraternaya Bight	47°31'N	152°49'E	49	
	Japan	Kagoshima Bay	31°39'N	130°48'E	82-110	
	Izu Ogasawara Arc (Bonin)	Myojin Knoll	32°07'N	139°51'E	1300-1400	
		Sumisu Caldera	31°28'N	140°04'E	670-690	
		Suiyo Seamount	28°34'N	140°39'E	1367	
		Kaikata Seamount	26°42'N	141°04'E	460-910	
		Nikko Seamount	23°06'N	142°40'E	430-600	
	Okinawa Trough	Minami-Ensei Knoll	28°24'N	127°38'E 127°39'E	640-720	
		North Iheya Knoll	27°47'N	126°54'E	990-1070	
		Iheya Ridge	27°33'N	126°59'E	1400-1430	
		Izena Cauldron	27°16'N	127°04'E 127°05'E	1310-1580	
		Hatoma Knoll	28°24'N	123°50'E	1470-1520	
	Okinawa Arc	Northeastern Taiwan	24°50'N	121°60'E	20-180	Tashi fishing grounds
	Mariana Back-Arc Basin	Mariana Trough	18°12'N	144°42'E	3595	
		Anemone Heaven	18°02'N	144°45'E	3676	

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		Snails Pit				
		Alice Spring Field	13°23'N	143°55'E	1450	Forecast vent field
	Mariana Volcanic Arc	Daikoku Seamount	21°19'N	144°12'E	378	Fish Spa, AA, Bluff, Bottomless pit, Bubbles, Cactus flower, Crater tuff luck, Fish crack
		Kagusa 2 Seamount	21°37'N	143°38'E	387-393	Barnacle Boulders, Mat Ridge, Crabe slope, Cracked vent, Flat Bottom, Hairy mat, Hairy rock, Pinnacle, SW eels, Whale rock, Yellow overlord
		North West Eifuku Seamount	21°29'N	144°02'E	1573-1604	More Mussels, Top Towers, Champagne, Near Fouling, Fouling Heights, Sulphur spicules, Bacterial balls, Cliff house, Flocc, Ice cream, Ice Fall, Ice sheet, Mussel mound, Walter grenade
		East Diamante Seamount	15°56'N	145°40'E	179-457	Barnacle Beach, Diamante Forest, Central Cone (Boulder Vent), Central Cone (Aquarium), Fe-Mn Crust, Intense Diffuse, Flocc Storm, Basket case, Five towers, Limpets, Snail flange, Softy
		North West Rota Seamount	14°36'N	144°46'E	516-599	Brimstone Pit, Cnidaria area, Dark sands, Eastern Fault, Fault Shrimp, Flank vent, Gastros, High Flow, Iceberg, Loose sands, Pit Edge, Scarp top, Shimmering sands, Shimmering vent, Shrimp's peak, Snowcone, Sulfurs and mats, White mat, White wall, Yellow granules, Yellow top
	Tabar-Feni Volcanic Fore-Arc	Edison Seamount	03°01'S	152°03'E	1450	
	Manus Back-Arc Basin	Vienna Woods	03°09'S	150°16'E	2500	
		Desmos Cauldron	03°41'S	151°52'E	1860-2000	Onsen, Genge-ba
		Pacmanus Complex	03°43'S	151°40'E	1700	Field D, Mont Blanc, Field F, Field E, Black smoker, Chimney Forest, Field G
	Intra-plate seamounts	Loihi Seamount	18°57'N	155°16'W	969	
		Vailulu'u Seamount	14°13'S	169°04'W	600-1000	
	North Fiji Back-Arc Basin	White Lady	16°59'S	173°55'E	2000	LHOS, White Lady, Kaiyo Chimney
		Mussel Valley	18°49'S	173°29'E	2700	
	Lau Back-Arc Basin	Kilo Moana	20°03'S	176°08'W	2618	
		Tow Cam	20°06'S	176°34'W	2703	
		ABE	20°46'S	176°11'W	2148	
		Tu'i Malila	21°59'S	176°34'W	1887	
		Va'i Lili	22°13'S	176°37'W	1764-1707	
		Hine Hina	22°32'S	176°43'W	1832-1887	
	Kermadec-Arc	Macauley Caldera	30°12'S	178°27'E	200-504	
		Giggenbach Seamount	30°02'S	178°43'E	144-175	
		Brothers Seamount	34°52'S	179°04'E	1197	
		Rumble III Seamount	35°44'S	178°28'E	200	
		Rumble V Seamount	36°08'S	178.11'E	367-755	
	Bay of Plenty	Calypso Vents	37°39S	177°07'E	159-200	

Fig. 1: Atlantic-East Pacific regions.

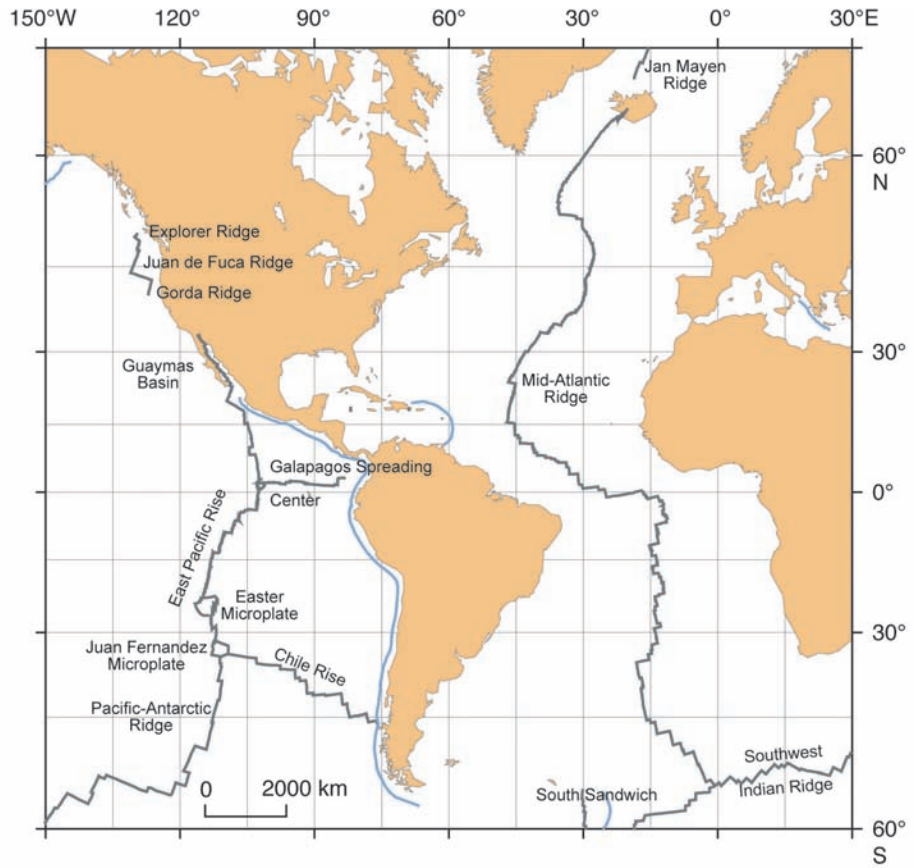
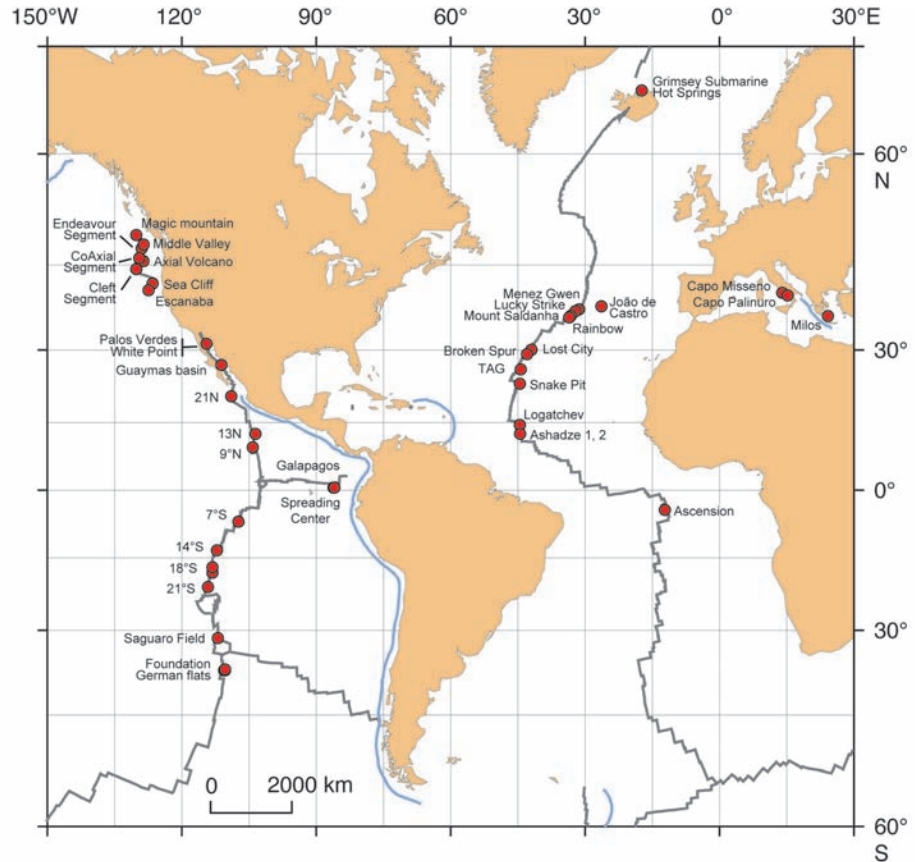


Fig. 2: Atlantic-East Pacific sites.



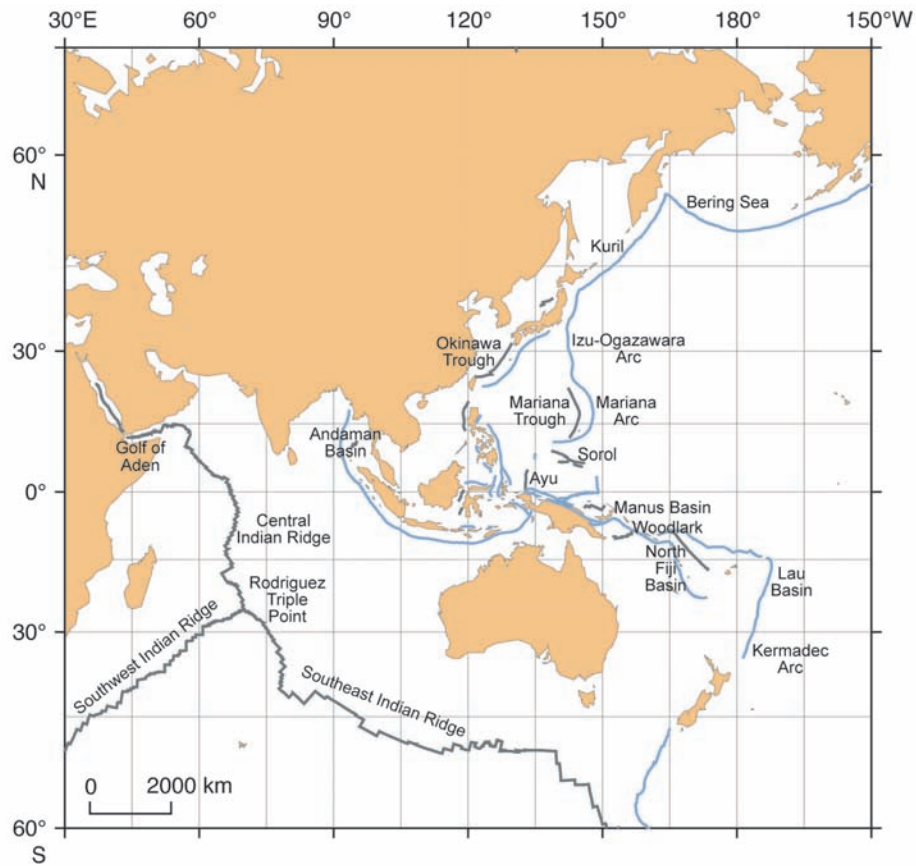


Fig. 3: Indian-West Pacific regions.

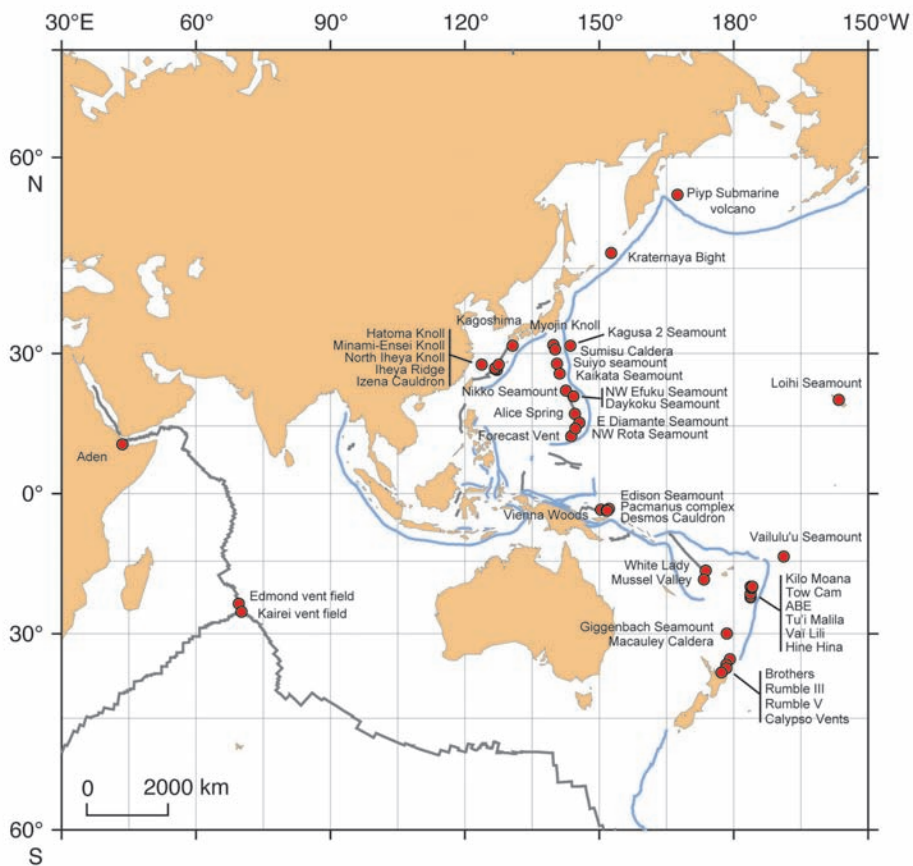


Fig. 4: Indian-West Pacific sites.

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Zoologisch-Botanische Datenbank/Zoological-Botanical Database

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