Recursive islands and lakes

A **recursive island or lake** is an <u>island</u> or a <u>lake</u> that lies within a lake or an island. For the purposes of defining recursion, small continental land masses such as $\underline{\text{Madagascar}}$ and $\underline{\text{New Zealand}}$ count as islands, while large continental land masses do not.

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Only a few notable examples are given, including one on Saturn's moon Titan.



Idjwi, in the central-southern region of Lake Kivu

Island	In lake	Country	Area (km²)	Coordinates	Notes
Manitoulin Island	Lake Michigan-Huron	Canada	2,766	45°39′8″N 82°06′32″W	Largest lake island in the world ^{[1][2]}
René-Levasseur Island	Manicouagan Reservoir	Canada	2,020	51°23′50″N 68°41′30″W	The island is artificial as the lake it is in was made by flooding a smaller existing lake due to the creation of the Daniel-Johnson dam
Sääminginsalo	Saimaa	Finland	1,090	61°58′58″N 29°4′53″E	If Sääminginsalo is considered an island, as it is separated from one side by an artificial canal (Raikuu canal).
Olkhon Island	Lake Baikal	Russia	730	53°9′24″N 107°23′1″E	
Isle Royale	Lake Superior	United States	535	48°0′0″N 88°55′0″W	
Ukerewe Island	Lake Victoria	Tanzania	530	2°1′46″S 33°0′36″E	
St. Joseph Island	Lake Michigan-Huron	Canada	365	46°13′11″N 83°56′47″W	
Drummond Island	Lake Michigan-Huron	United States	347	46°0′0″N 83°40′0″W	
Idjwi	Lake Kivu	DR Congo	340	2°9′58″S 29°3′21″E	
Kotasaari	Kallavesi	Finland	285	62°52′52″N 28°0′23″E	If Kotasaari is considered an island, as it is separated from one side by an artificial canal (Summa canal).
Ometepe	Lake Nicaragua	Nicaragua	276	11°30′0″N 85°35′0″W	Made of two conjoined volcanic islands
Zapatera	Lake Nicaragua	Nicaragua	54	11°43′48″N 85°49′12″W	
Big island	Great Slave Lake	Canada	~200	61°07′45″N 116°45′24″W	
Mercer Island	Lake Washington	United States	33.4 ^[3]	47°34′39″N 122°12′43.2″W	Crossed by the Lacey V. Murrow Memorial Bridge, the second longest floating bridge in the world.
Wizard Island	Crater Lake	United States	1.3	42°56′19″N 122°08′44″W	Crater Lake itself is a caldera formed by the eruption of Mount Mazama; a series of smaller eruptions later formed cinder cones on the caldera floor, of which Wizard Island is the highest, and the only one now visible above the lake's surface. [4]
Mayda Insula	Kraken Mare	<u>Titan</u>	13,500	79°N 312°W	The first island discovered on another planetary body

Islands in lakes on islands

There are nearly 1,000 islands in lakes on islands in Finland alone. $\underline{^{[5]}}$

Name	In lake	On island	Country	Area (km²)	Coordinates	Notes
Samosir	Lake Toba	<u>Sumatra</u>	Indonesia	630	2°35′0″N 98°49′0″E	Largest island in a lake on an island. ^[1] Manmade from digging canal [note 1]
Gatter Island	Lake Hazen	Ellesmere Island	Canada	0.2	81°55′5″N 69°05′35″W	
Glover Island	Grand Lake	Newfoundland	Canada	178	48°46′52″N 57°41′54″W	Largest naturally occurring island in a lake on an island.
Volcano Island ^[7]	Lake Taal	Luzon	Philippines	26.1	14°00′44″N 120°59′7″E	
Motutaiko Island	Lake Taupo	North Island	New Zealand	0.11	38°51′17″S 175°56′36″E	
Mou Waho	Lake Wānaka	South Island	New Zealand	1.2	44°33′10″S 169°04′50″E	
Pomona Island	Lake Manapouri	South Island	New Zealand	2.6	45°30′30″S 167°28′30″E	
Unknown name	West Lake	Brownsea Island	United Kingdom	0.0008	50°41′34″N 1°58′21″W	
Belle Isle	Windermere	Great Britain	United Kingdom	0.17	54°21′43″N 2°56′4″W	
Storgrynnan	Vandöfjärden	Fasta Åland	Finland	0.12	60°17′46″N 19°55′12″E	
Unnamed	Senanayaka Samudra	Sri Lanka	Sri Lanka	0.02	7°12′0″N 81°31′10″E	
Derrywarragh Island	Lough Neagh	Ireland	United Kingdom	0.56	54°30′57″N 6°34′11″W	
Sveta Marija	Veliko jezero	Mljet	Croatia	0.017	42°46′8″N 17°21′37″E	
Nakajima	Lake Tōya	Hokkaido	Japan	4.84	42°36′07″N 140°51′11″E	
Loeha Island	Lake Towuti	Sulawesi	Indonesia	12.5	2°46′22″S 121°32′51″E	
Unnamed	Kasegalik Lake	Flaherty Island	Canada			There are several other islands in that lake.
Isla Cabritos	Lago enriquillo	Hispaniola	Dominican Republic	16.67	18°29'22"N 71°40'56"W (htt ps://geohack.to olforge.org/geo hack.php?para ms=18_29_21_ N_71_40_55_ W)	
Unnamed	Unnamed	Cat Ba Island	Vietnam	0.0005	20°46'54"N 107°05'30"E (ht tps://geohack.t oolforge.org/ge ohack.php?par ams=20_46_54 _N_107_5_30_ E)	There is a smaller one, right at the south of it.



Samosir is in the middle of Lake Toba.



Name	In lake	On island	In lake	Country	Area (km²)	Coordinates	Notes
Kokkosaari ^[8]	Kokkohauta	Sääminginsalo	<u>Saimaa</u>	Finland	0.88	61°59′20″N 29°12′55″E	Sääminginsalo is considered an island, as it is separated from one side by an artificial canal (Raikuu canal). Claimed by some to be the world's largest island in a lake in an island in a lake. Another island, Suursaari (62°5′28″N 28°59′28″E) in Hanhijärvi, is also located in Sääminginsalo, and is about half the size of Kokkosaari.
Unnamed	Lake Chaunoy (Lac du Chaunoy) ^[9]	René- Levasseur Island	Manicouagan Reservoir	Canada	0.44	51°33′5″N 68°49′8″W	René- Levasseur Island is an artificial island, formed when the Manicouagan reservoir was flooded in 1970. There are also more than 10 other smaller islands in Lake Chaunoy, the largest of which is less than a tenth of the size of the one listed here.
Treasure Island	Lake Mindemoya	Manitoulin Island	Lake Michigan– Huron	Canada	0.4	45°45′50″N 82°10′41″W	Largest natural island on a lake on an island on a lake.
Kakawaie Island	Lake Kagawong	Manitoulin Island	Lake Michigan– Huron		0.24	45°48′45″N 82°18′22″W	
Ryan Island ^[10]	Siskiwit Lake	Isle Royale	Lake Superior	United States	0.141	48°0′36″N 88°46′15″W	Largest island in the largest lake on the largest island in Lake Superior
Unnamed	Second Lake	Drummond Island	Lake Michigan– Huron	United States	0.044	46°03′2″N 83°35′55″W	
Unnamed ^[11]	Mackaysee Lake	Chambers Island	Green Bay, Lake Michigan	United States	0.009	45°11′41″N 87°20′43″W	
Unnamed	Frith Lake	Kelvin Island	Lake Nipigon	Canada	0.0013	49°52′29″N 88°40′53″W	
Piiroonsaari ^[8]	Saravesi	Kotasaari	Kallavesi	Finland	0.22		1
Suurisaari ^[8]	Oininki	Äitsaari	Saimaa	Finland	0.14	61°18′57″N 28°38′1″E	

Name	In lake	On island	In lake	Country	Area (km²)	Coordinates	Notes
Ukonsaari ^[8]	Kulkemus	Partalansaari	Pihlajavesi (Saimaa)	Finland	0.12	61°40′9″N 28°23′43″E	
Unnamed	Lake Cancy	René- Levasseur Island	Manicouagan Reservoir	Canada	0.011	51°33′21″N 68°50′52″W	
Unnamed	Lac des Pigamons	Îlots Walcott	Lake Mistassini	Canada	0.0002	51°07′18″N 73°21′34″W	
unnamed	unnamed	Wilson island	Great Slave Lake	Canada	0.011	61°50′7″N 112°46′57″W	
Raaskasaari	Kylliönjärvi	Viljakansaari	Pihlajavesi (Saimaa)	Finland	0.05	61°33′53″N 28°22′56″E	
Unnamed	Unnamed	Kållandsö	Vänern	Sweden	0.0027	58°41′52″N 13°11′18″E	There is a second island in the lake, almost the exact same size
Ösjöholmen	Ösjön	Ammerön	Revsundssjön	Sweden	0.008	62°51′57″N 15°10′23″E	
Unnamed	Unnamed	Tynnelsö	<u>Mälaren</u>	Sweden	0.0005	59°25′1″N 17°04′44″E	
Unnamed	Unnamed	Unnamed	Lake Kovdozero	Russia	0.0162	66°45′23″N 31°58′37″E	
Unnamed	Unnamed	Shaganappie Island	Wollaston Lake	Canada	0.0066	58°22′22″N 102°57′51″W	
Unnamed	Calder Lake	Malcolm Island	Reindeer Lake	Canada	0.0154	56°58′24″N 102°8′1″W	
Unnamed	Unnamed	Ispatinow Island	Cree Lake	Canada	0.00019	57°27′40″N 106°40′47″W	
Unnamed	Unnamed	Blanchet Island	Great Slave Lake	Canada	0.01	61°59′40″N 112°30′56″W	Several small islands in this lake
unnamed island	Vanooyen Lake	Shakespeare Island	Lake Nipigon	Canada	0.0182	49°39′36″N 88°24′10″W	There is a second, smaller island in this lake.
Unnamed	Margaret Lake	Elk Island	God's Lake	Canada	0.00095	54°39′32″N 94°10′44″W	Several small islands in this lake
Unnamed	Unnamed	lle Guillaume Couture	Lac Mistassini	Canada	0.0017	50°55′1″N 73°37′32″W	
unnamed	unnamed	lle Tchapahipane	Lac Mistassini	Canada	0.00125	51°4′34″N 73°25′25″W	
unnamed island	unnamed lake	Pie Island	Lake Superior	Canada	0.0086	48°13′58″N 89°3′26″W	Two islands of similar size are in this lake
unnamed	Muir Lake	St Ignace Island	Lake Superior	Canada	0.00325	48°48′28″N 88°2′3″W	
unnamed	Antler Lake	St Ignace Island	Lake Superior	Canada	0.0041	48°48′59″N 88°0′5″W	Two islands of similar size are in this lake
unnamed island	Williamson Lake	St Ignace Island	Lake Superior	Canada	0.00425	48°48′4″N 88°1′39″W	
unnamed island	Molinski Lake	Simpson Island	Lake Superior	Canada	0.01	48°49′13″N 87°42′51″W	
unnamed	Caribou Lake	Simpson Island	Lake Superior	Canada	0.00465	48°45′51″N 87°39′33″W	
unnamed	Veronica Lake	Slate Islands	Lake Superior	Canada	0.0065	48°39'28"N 86°59'23"W	

Name	In lake	On island	In lake	Country	Area (km²)	Coordinates	Notes
unnamed	Michi Lake	Michipicoten Island	Lake Superior	Canada	0.0037	47°44′28″N 85°54′29″W	There are 3 islands in total in this lake
unnamed	Channel Lake	Michipicoten Island	Lake Superior	Canada	0.0084	47°43′50″N 85°48′0″W	A second, smaller island is immediately to the west of this one.
unnamed	unnamed	unnamed	Knielinger See	Germany	0.0003	49°01′52.5″N 8°18′34.3″E	
Unnamed	Unnamed	Wizard Island	Crater Lake	United States			

Islands in lakes on islands in lakes on islands



Nameless isle within Victoria Island in Nunavut Territory in Canada. [12]

Name	In lake	On island	In lake	On island	Country	Area (m²)	Coordinates	Comment
_	Not specified	Not specified	Nettilling Lake	Baffin Island	Canada	40,000	66°41′15″N 70°28′48″W	There are more islands in lakes on the 'level 2' island in Nettling Lake.
_	_	_	_	Victoria Island	Canada	16,000	69°47′32″N 108°14′26″W	The sometimes cited name Inception Island is not an official name.
_	Aek Natonang (Locally Sidihoni Lake ^[13])	Samosir	Lake Toba	Sumatra	Indonesia	13,125	2°33′52″N 98°53′0″E	Two islands, the largest of which is 175 m by 75 m.
_	_	Glover	Grand Lake	Newfoundland	Canada	7,500	48°47′48″N 57°39′28″W	There are several (at least seven) other, even smaller, islets in the lake
_	Unnamed	Glover Island	Grand Lake	Newfoundland	Canada	2,300	48°43′8″N 57°46′23″W	In a lake 11 km south west to the lake that contains the larger island. There are no other island in this island's lake
_	_	_	Meelpaeg Reservoir	Newfoundland	Canada	100	48°18′44″N 56°30′48″W	There are 3 other smaller islands in the same lake.
unnamed island	Arethusa Pool	Mou Waho	Lake Wānaka	South Island	New Zealand	225	44°33′15″S 169°05′3″E	There are two islands in this lake, both less than 25 m across.
_	_	Eilean Sùbhainn	Loch Maree	Great Britain	United Kingdom	225	57°41′24″N 5°29′9″W	Two islets, each of which is 15m by 15m
_	_	_	Kooryet Lake	Banks Island (British Columbia)	Canada	~100	53°21′7″N 129°59′30″W	A number of small islets, the largest of which is only 10m across
_	_	Samosir	Lake Toba	Sumatra	Indonesia	400	2°38′11″N 98°50′14″E	
_	_	_	Jubilee Lake	Newfoundland	Canada	20	48°3′50″N 55°10′24″W	Several small islets, the largest of which is about 5 m across
_	_	Cayo pajaro	Laguna de Leche	Cuba	Cuba	832	22°13′31″N 78°40′2″W	There are several other islets in the lake, all about half te area of the specified islet.

Until 2020, Vulcan Point was an island that existed in Main Crater Lake on Volcano Island in Lake Taal on Luzon in the Philippines. Main Crater Lake evaporated during the 2020 Taal Volcano eruption. But eventually, the water in Taal Lake has returned and has a new island. Vulcan Point became a peninsular.

Islands in lakes on islands in lakes on islands in lakes

Only one lake is known to have such islands.

Name	In lake	On island	In lake	On island	In lake	Country	Size (km²)	Coordinates	Notes
Unnamed	Unnamed	Unnamed	Unnamed	Unnamed	Lake Yathkyed	Canada		62°39′04″N 97°47′14″W	[16]

Moose Boulder was claimed to exist in the seasonal pond of Moose Flats on Ryan Island in <u>Siskiwit Lake</u> on <u>Isle Royale</u> in <u>Lake Superior</u> in the United States. In 2020, an expedition to the island found that it was a hoax, as apparently was the seasonal pond.

Recursive lakes

Lakes on islands

Only a few notable examples are listed.

Name	On island	Country	Size (km²)	Coordinates	notes
Nettilling Lake	Baffin Island	Canada	5,542	66°29'N 70°20'W	
Lake Alaotra	Madagascar	Madagascar	900	17.5°S 48.5°E	
Laguna de Leche	Cuba	Cuba	67.2	22°12′33″N 78°37′17″W	
Lough Neagh	Island of Ireland	Northern Ireland/United Kingdom	392	54°37′06″N 6°23′43″W	
Lough Corrib	Island of Ireland	Republic of Ireland	176	53°26′N 9°14′W	
Loch Lomond	Great Britain	Scotland/United Kingdom	71	56°05′N 4°34′W	
Lake Kawaguchi	Honshu	Japan	6.13	35°30′56″S 138°45′36″E	The largest among the Fuji Five Lakes
Þingvallavatn	Iceland	Iceland	84	64°11′N 21°09′W	
Lake Taupo	North Island	New Zealand	616	38°48′25″S 175°54′28″E	
Lake Wakatipu	South Island	New Zealand	289	45°3′S 168°30′E	
Lake Biwa	Honshu	Japan	670	35°20′N 136°10′E	Largest lake in Japan
Lake Toba	Sumatra	Indonesia	1130	2° 40′ 48″ N, 98° 52′ 48″ E	
Lake Ranau	Sumatra	Indonesia	126	4°51′45″S 103°55′50″E	
Lake Singkarak	Sumatra	Indonesia	108	0°37′12″S 100°32′24″E	
Lake Towuti	Sulawesi	Indonesia	561	2°45′0″S 121°30′0″E	
Lake Poso	Sulawesi	Indonesia	323	1°55′28″S 120°37′0″E	
Lake Matano	Sulawesi	Indonesia	164	2°29′7″S 121°20′0″E	



Lake Alaotra region, Madagascar

Lakes on islands in lakes



Tourists on Laguna del Volcan Maderas on <u>Ometepe Island</u> in <u>Lake</u> <u>Nicaragua</u>

Name	On island	In lake	Country	Size (km²)	coordinates	notes
Lake Manitou	Manitoulin Island	Lake Michigan– Huron	Canada	106	45°46′42″N 81°59′30″W	
Ylä-Enonvesi ^[8]	Sääminginsalo	Saimaa	Finland	12	62°3′7″N 29°0′12″E	If Sääminginsalo is considered an island, as it is separated from one side by an artificial canal (Raikuu canal). Includes Lake Saarijärvi that forms its southern part.
Kulkemus ^[8]	Partalansaari	Pihlajavesi (Saimaa)	Finland	5.8	61°40′43″N 28°24′13″E	
Saajuu- Palovesi ^[8]	Partalansaari	Pihlajavesi (Saimaa)	Finland	4.1	61°41′55″N 28°19′34″E	
Saravesi ^[8]	Kotasaari	Kallavesi	Finland	4.1	62°50′49″N 28°4′52″E	If Kotasaari is considered an island, as it is separated from one side by an artificial canal (Summa canal).
Oininki ^[8]	Äitsaari	Saimaa	Finland	2.6	61°18′52″N 28°38′21″E	
Malosenjärvi ^[8]	Viljakansaari	Pihlajavesi (Saimaa)	Finland	1.4	61°31′58″N 28°16′11″E	
Valkiajärvi ^[8]	Hurissalo	Saimaa	Finland	1.4	61°30′27″N 27°49′29″E	
Ruokojärvi ^[8]	Partalansaari	Pihlajavesi (Saimaa)	Finland	1.3	61°38′1″N 28°23′39″E	
Närtejärvi ^[8]	Viljakansaari	Pihlajavesi (Saimaa)	Finland	1.2	61°34′31″N 28°31′8″E	
Kylliönjärvi ^[8]	Viljakansaari	Pihlajavesi (Saimaa)	Finland	1.1	61°33′47″N 28°22′59″E	
Lapinjärvi ^[8]	Hurissalo	Saimaa	Finland	1.1	61°29'33"N 27°48'30"E	
Shara-Nur ^[19]	Olkhon Island	Lake Baikal	Russia		53°06′18″N 107°15′16″E	
Siskiwit Lake	Isle Royale	Lake Superior	United States	16.8	48°00′05″N 088°47′50″W	
Lake Desor ^[20]	Isle Royale	Lake Superior	United States		47°58′36″N 88°59′13″W	
Lake Richie ^[21]	Isle Royale	Lake Superior	United States		48°2′38″N 88°41′43″W	
Lake Mindemoya	Manitoulin Island	Lake Michigan– Huron	Canada		45°45′43″N 82°12′32″W	
<u>Lake</u> Kagawong	Manitoulin Island	Lake Michigan– Huron	Canada		45°50′0″N 82°18′36″W	
Little Lake	Washington Island	Lake Michigan	United States	0.17	45°24′36″N 86°56′29″W	
Lake Windigo	Star Island	Cass Lake (Minnesota)	United States	0.8	47°25′7″N 94°34′13″W	
Fox Lagoon	Pelee island	Lake Erie	Canada	0.02	41°43′57″N 82°40′18″W	
Lake Henry	Pelee island	Lake Erie	Canada	0.345	41°49′32″N 82°38′20″W	
Laguna del Volcan Maderas ^[22]	Ometepe	Lake Nicaragua	Nicaragua	0.034	11°26′42″N 85°30′38″W	
Laguna de Zapatera ^[23]	Zapatera	Lake Nicaragua	Nicaragua	0.19	11°45′59″N 85°51′25″W	
Antoniyevskoye Lake	Valaam	Lake Ladoga	Russia	0.028	61°23′18″N 30°59′48″E	
Ozero Leshchevo	Valaam	Lake Ladoga	Russia	0.27	61°21′35″N 30°55′58″E	

Name	On island	In lake	Country	Size (km²)	coordinates	notes
Lake Geneserath	Beaver Island	Lake Michigan– Huron	United States	2	45°35′55″N 85°32′23″W	
Ösjön	Ammerön	Revsundssjön	Sweden	0.58	62°51′53″N 15°10′21″E	
Igelviken	Färingsö	Mälaren	Sweden	0.47	59°21′53″N 17°42′13″E	
Ändsjön	Frösön	Storsjön	Sweden	0.32	63°10′34″N 14°34′24″E	
Gråtjønna	Røssvassholmen	Røssvatnet	Norway	0.05	65°41′46″N 13°59′47″E	
Unnamed	Unnamed	Lake Chad	Cameroon			There is another, smaller lake on that island. There are a few more islands in Lake Chad that have a lake on them.
Süvähaud	Pirrissaar	Peipus	Estonia			
Unnamed	Unnamed	Thac Ba Reservoir	<u>Vietnam</u>	0.05	21°50'24.7"N 104°58'02.5"E (https://g eohack.toolforge.org/ge ohack.php?params=21_ 50_24_N_104_58_2_E)	There are some extremely tiny islets in that lake.

Lakes on islands in lakes on islands

Name	On island	In lake	On island	Country	Size (km²)	Coordinates	Notes
Unnamed	Unnamed	Nettilling Lake	Baffin Island	Canada	1.55	66°23′15″N 69°38′41″W	
Unnamed	Glover Island	Grand Lake	Newfoundland	Canada	1.40	48°48′9″N 57°39′41″W	
Arethusa Pool	Mou Waho	Lake Wānaka	South Island	New Zealand	0.05	44.5541°S 169.0838°E	
Unnamed lake	unnamed island	Jubilee Lake	Newfoundland	Canada	0.025	48°3′50″N 55°10′24″W	
Unnamed lake	unnamed island	Mölnorträsk	Fårö	Sweden	0.00006	57°55′45″N 19°08′29″E	Extremely small
Unnamed lake	Unnamed island	Unnamed lake	Baffin Island	Canada	small	70°41′14″N 80°34′18″W	
Molemole	Motu'a'ali	Motu Si'i	Niuafo'ou	Tonga	0.02	15.594888°S 175.649157°W	

Lakes on islands in lakes on islands in lakes

Only one such lake is known.

Name	On island	In lake	On island	In lake	Country	Size (km²)	Coordinates	Notes
Unnamed	Not Specified	Not Specified	Not Specified	Lake Yathkyed	Canada	0.013	62°39′5.8″N 97°47′11.8″W	There is, even further, an island in that lake, making it the only such island in the world that has been discovered so far.

See also

- List of endorheic basins
- Volcanic crater lake
- List of islands by area
- List of lakes by area

Notes

1. Was a peninsula until 1906 when a canal was dug, separating it from the mainland. [6]

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