



Supplement of

The Reading Palaeofire Database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records

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This supplementary contains:

SI Table 1. Information of the charcoal records (sites and entities) in the Reading Palaeofire Database version 1. Latitude and longitude are in decimal degrees, and elevation in metres above/below sea level. Fields where information could be available but was never recorded or has subsequently been lost are represented by -999999, fields where we were unable to obtain this information but it could be included in subsequent updates of the database are represented by -777777, fields where specific information is not applicable are represented by -888888.

SI Table 2. List of pre-defined valid choices for restricted fields in the Reading Palaeofire Database version 1.

SI Table 3: List of charcoal measurement units currently used in the Reading Palaeofire Database version 1.

SI Figure 1: Supplementary Figure 1. Summary of the stages used to select the optimum rbacon age models from ageR. Plots A.-C. show the modelling output from ageR for an example entity from the RPD (Geral core), where the optimum age model selected by ageR A. is a table ranking the age model scenarios by the lowest area between the prior and posterior accumulation rate curves. Note that only the top 5 model scenarios of a total of 25 run for this entity are listed B. Shows the plots for the prior and posterior accumulation rates and the area between curves for the top 5 model scenarios. C. Is the top ranked rbacon age model (accumulation rate = 15, thickness = 10) which was visually checked to verify that the interpolation through the dates was valid and consistent with the dates. In this example, the top ranked model scenario selected by ageR (accumulation rate = 15, thickness= 10) was accepted as the chosen model scenario as the interpolation through the dates is valid.

SI Figure 2. An example of alternative model scenario selection where the top ranked ageR model scenario is deemed to be inaccurate. In this example, the top ranked model scenario from King Tableland Swamp (accumulation rate = 45, thickness = 5) (A.) with the lowest area between the prior and posterior accumulation rate curves (B.) does not accurately represent the date at 157.5cm. This age was included by the original authors and lies in stratigraphic order with the other dates. Therefore, this model is rejected in favour of the model with the next lowest abc score which accurately reflects the dates included (ageR model ranking 3 in A.). The rbacon plot for this age model scenario is shown in D. (accumulation rate = 90, thickness = 5) and is more accurately and precisely modelled through the dates than the model selected by ageR.

SI Table 1. Information of the charcoal records (sites and entities) in the Reading Palaeofire Database version 1. Latitude and longitude are in decimal degrees, and elevation in metres above/below sea level. Fields where information could be available but was never recorded or has subsequently been lost are represented by -999999, fields where we were unable to obtain this information but it could be included in subsequent updates of the database are represented by -777777, fields where specific information is not applicable are represented by -888888.

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
111	1	225	59.912878	-96.957600	lacustrine	3.97	1.309	Umbanhowar Jr et al., 2021
150	1	299	59.875018	-98.131800	lacustrine	7.14	0.403	Umbanhowar Jr et al., 2021
396	1	317	59.571677	-98.559100	lacustrine	7.36	0.839	Umbanhowar Jr et al., 2021
614	1	268	59.321304	-97.280400	lacustrine	14.15	0.462	Umbanhowar Jr et al., 2021
630	1	271	59.314377	-98.083600	lacustrine	9.96	0.911	Umbanhowar Jr et al., 2021
7-M Lake	1	213	62.500000	-113.720000	lacustrine	6.5	0.12	Lynch et al., 2002; Lynch et al., 2004
785	1	234	59.118988	-97.409300	lacustrine	12.57	0.65	Umbanhowar Jr et al., 2021
Abalone Rocks Marsh	1	0	33.956389	-119.976667	coastal, salt marsh		-999999	Cole and Liu, 1994
Abbeyknockmoy Bog	1	60	53.440000	-8.760000	terrestrial, bog	-777777		Barber et al., 2003
Abborrtjarnen	1	387	63.800000	14.370000	lacustrine	6.5	0.03	Giesecke, 2005b
Abeille	1	441	54.114444	-72.500278	terrestrial, fen	-888888	0.035	van Bellen et al., 2013
Ackgol	1	1000	37.300000	33.440000	-777777	-777777		Turner et al., 2008
Adi Kolen I	1	2171	13.330000	39.360000	terrestrial, soil	-777777		Gebru et al., 2009
Adi Kolen II	1	2171	13.330000	39.360000	terrestrial, soil	-777777		Gebru et al., 2009
Adi Kolen III	1	2171	13.332167	39.364600	terrestrial, soil	-888888	-999999	Gebru et al., 2009

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Adigrat	1	2493	14.270433	39.447827	terrestrial, soil	-888888	-999999	Moeyersons et al., 2006
Aeroporto	2	431	54.101027	-72.516166	terrestrial, fen	-888888	0.03	van Bellen et al., 2013
Aguada de Petapilla	1	705	14.860000	-89.120000	terrestrial, mire	-888888	0.09	Rue et al., 2002
Aguai Ramata	1	1950	-6.560000	145.210000	lacustrine, volcanic lake	2.9		Haberle, 2007
Agulhas Negras	1	2410	-22.385319	-44.669802	terrestrial, mire	-888888	-999999	Behling et al., 2020
Ahlequellmoor	1	300	51.730000	9.510000	terrestrial, fen		0.1	Jahns, 2005
Aino Pond	1	354	42.680759	-71.925514	lacustrine	2.5	0.018	Fuller et al., 1998; Parshall and Foster, 2002
Airag Nuur	1	1030	48.908700	93.307600	lacustrine	9.1	180.22	Umbanhowar Jr et al., 2009
Aire Crossing	1	180	-38.640000	143.470000	terrestrial	-888888	-999999	McKenzie and Kershaw, 2004
Airport 1	1	175	53.653500	-77.729000	terrestrial, bog	-888888	-999999	Magnan et al., 2012
Airport 2	1	175	53.653600	-77.726300	terrestrial, bog	-888888	-999999	Magnan et al., 2012
Aishihik WA01 (Yukon)	2	1000	61.233000	-136.917000	lacustrine	1	0.001	Rainville and Gajewski, 2013
Ajax Bog	1	680	-46.419200	169.292200	terrestrial, bog	10	-888888	McGlone, 2009
Ajkwa 1	1	1.3	-4.860000	136.960000	coastal, estuarine	-888888	-888888	Ellison, 2005
Ajkwa 2	1	1.3	-4.860000	136.960000	coastal, estuarine	-888888	-888888	Ellison, 2005

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Ajkwa 3	1	1.3	-4.860000	136.960000	coastal, estuarine	-888888	-888888	Ellison, 2005
Ajkwa 4	1	1.3	-4.860000	136.960000	coastal, estuarine	-888888	-888888	Ellison, 2005
Ajkwa 5	1	1.3	-4.860000	136.960000	coastal, estuarine	-888888	-888888	Ellison, 2005
Akali	1	30.5	58.408056	27.231944	terrestrial, mire	0.2	25.68	Poska and Saarse, 2006
Akkol Lake	1	2204	50.250000	89.625000	lacustrine, glacial origin	2.8	3.2	Blyakharchuk et al., 2007
Alahake	3	483	47.693806	87.544583	lacustrine	2	2.4	Li et al., 2019
Alamo Bog	2	2630	35.910000	-106.580000	terrestrial, bog	-888888	0.5	Anderson et al., 2008a
Albion	1	320	45.670800	-71.325000	lacustrine	1	0.025	Carcaillet and Richard, 2000
Aligol	1	1550	41.630000	44.010000	terrestrial, bog	0.5	-999999	Connor and Sagona, 2007; Connor, Unpublished
Allom Lake	1	100	-25.230000	153.160000	lacustrine	3.7	0.015	Donders et al., 2006
Almalou	1	2491	37.665278	46.631944	terrestrial, bog	-888888	-999999	Djamali et al., 2009; Djamali et al., 2010
Altar Lough	1	30	55.016700	-8.400000	lacustrine	2.5	0.012	Fossitt, 1994
Alvor Estuary Ribeira do Farelo Ribeira da Torre	2	0.6	37.151969	-8.594376	coastal, estuarine	-888888	-999999	Schneider et al., 2010; Schneider et al., 2016
Amber Lake Minnesota	1	351	43.605300	-94.472500	lacustrine	6	0.73	Marlon and Umbanhowar Jr., 2016a
Amont	1	335	53.730000	-74.380000	terrestrial, bog	-888888		Cedric, 2008
Anderson Pond	1	300	36.028495	-85.505116	lacustrine	1	0.35	Horn et al., 2019

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Andy Lake	1	360	61.950000	-109.810000	lacustrine	9.5	0.1	Lynch et al., 2004
Anggi Lakes	1	1945	-1.390000	133.894893	lacustrine, tectonic origin	200	-999999	Hope, 2007b
Anstey's Combe	1	282	51.054451	-3.674715	terrestrial, mire	-888888	-999999	Fyfe et al., 2003
Anteojos Valley	2	3984	-0.965767	-78.406617	terrestrial, mire	-888888	-999999	Villota et al., 2015
Antu Sinjarv	2	95	59.062500	26.240000	lacustrine	7.3	0.024	Laumets et al., 2013
Anumon Swamp	1	45	-20.162800	169.827500	terrestrial, fen	-888888	-999999	Hope, 1996a
Anyang Huanhe River 01	1	67	36.100000	114.400000	fluvial		-999999	Cao, 2008
Anyang Huanhe River 02	1	103	36.160000	114.160000	fluvial		-999999	Cao, 2008
Anzac	1	497	56.471944	-111.042778	terrestrial, bog	-888888	-999999	Magnan et al., 2018
Appleman Lake	1	293	41.623331	-85.212806	lacustrine	9	0.21	Gill et al., 2009
Apsuciems Mire	1	6.6	57.053642	23.317031	terrestrial, fen	-888888	0.15	Gałka et al., 2016
Aracatuba	1	1500	-25.910000	-48.980000	terrestrial, mire	-888888	0.006	Behling, 2007
Araisu lake	2	120.2	57.250912	25.289886	lacustrine	12.3	0.326	Stivrins et al., 2014; Stivrins et al., 2016
Arbarrain Mire	1	1004	43.211400	-2.172900	terrestrial, bog	-888888	0.0156	Pérez-Díaz et al., 2018
Argan Swamp	2	3	-10.050000	142.060000	coastal	0		Rowe, 2006a

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Armacao de Pera Ribeira de Alcantarilha	2	2.40	37.110107	-8.344590	coastal, estuarine	-888888	-999999	Schneider et al., 2010; Schneider et al., 2016
Arrow Lake	1	90	60.750000	-150.516667	lacustrine	10.5	0.105	Lynch et al., 2002
Arroyo de Aguas Frias	1	1120	40.266700	-5.116700	terrestrial, bog	-888888	0.03	Camarero et al., 2019
Arroyo de las Carcavas	1	1300	40.841900	-4.031400	terrestrial, small hollow	-888888	7e-04	Morales-Molino et al., 2017a
Arroyo de Valdeconejos	1	1380	40.862200	-4.059700	terrestrial, mire	-888888	0.00126	Morales-Molino et al., 2017a
Artxilondo	1	900	43.030000	-1.130000	terrestrial, mire	-888888	-999999	Galop et al., 2004
Aru	1	1	-5.910000	134.200000	terrestrial	0		Hope and Aplin, 2005
Asi Gonía	1	780	35.248773	24.277499	terrestrial, bog	-888888	-999999	Atherden and Hall, 1999
Attekposmosse	2	177.5	56.383333	12.850000	terrestrial, bog	0	-999999	Håkansson, 1984; Wohlfarth et al., 2018
Auassat	1	466	51.813600	-63.691900	terrestrial, fen	-888888	0.22	Primeau and Garneau, 2021
Aurelie Lake	1	428	50.418500	-74.235444	lacustrine	5.7	0.0018	El-Guellab et al., 2015
Aval	1	335	53.410000	-73.860000	terrestrial, bog	0		Cedric, 2008
Avril Lake	1	472	49.368740	-89.418470	lacustrine	5	0.027	Senici et al., 2015
Ayla Lake	1	582	52.894250	-67.040920	lacustrine	10.2	0.108	Remy et al., 2017
Azzano Decimo	1	10	45.880000	12.710000	terrestrial			Pini et al., 2009
Badu 15	2	20	-10.060000	142.090000	terrestrial	-888888	-999999	Rowe, 2006a; Rowe, 2006b; Rowe, 2007
Baga Nuur	1	981	49.920800	93.849300	lacustrine	7.1	3.14	Umbanhowar Jr et al., 2009

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Bagno Kusowo	3	155	53.807778	16.587222	terrestrial, bog	-888888	3.19	Marcisz et al., 2017; Marcisz et al., 2019
Bagno Serebryskie	1	173	51.176363	23.526241	terrestrial, fen		3.76	Gałka et al., 2017
Baie	1	17	49.096600	-68.250000	terrestrial, bog	-888888	24.2	Magnan et al., 2014
Bakaly	1	1879	42.450000	72.600000	lacustrine	5		Beer, Unpublished
Baker Lake, Montana	1	2300	45.891785	-114.263047	lacustrine, glacial origin	16	-999999	Brunelle et al., 2005; Brunelle-Daines, 2002
Ballachrink	1	20	54.370000	-4.470000	terrestrial, buried fen	-888888	-999999	Innes et al., 2003
Balywillin Crannog Lake Kinale	1	62	52.775000	-7.416700	lacustrine	4	6	A.G. Brown et al., 2005
Banda Sea Core SHI-9014	1	-3163	-5.760000	126.960000	marine	-888888	-888888	van der Kaars et al., 2000
Bao-1	1	1775	19.060000	-71.030000	terrestrial, mire	0.15	-999999	Kennedy et al., 2006
Bar20	1	18	-10.100000	142.120000	coastal	0.8	-999999	Rowe, 2006a; Rowe, 2007
Barrett Lake	1	2816	37.588994	-118.996235	lacustrine	8.1	0.032	Hallett and Anderson, 2010
Basa de la Mora	1	1906	42.545270	0.325500	lacustrine, glacial origin	4.5	0.03	Pérez-Sanz et al., 2013
Bashania die-off soil profile	1	-999999	33.660000	107.795000	terrestrial		-999999	Rayle et al., 2015
Bashania non-die-off soil profile	1	-999999	33.660000	107.795000	terrestrial		-999999	Rayle et al., 2015
Basin (COHMAP2k)	1	125	44.466667	-70.050000	lacustrine	32	0.134	Gajewski et al., 1987

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Bass Lake Faribault County	1	314	43.820530	-94.078250	lacustrine	6	0.81	Umbanhowar Jr, Unpublished
Bass Lake Kandiyohi County	1	361	45.197500	-94.879100	lacustrine	10	19.61	Marlon and Umbanhowar Jr., 2016b
Batbold Nuur	1	2150	51.347600	98.874930	lacustrine	15.5	0.14	Robinson, 2007
Bates Pond Canterbury	1	95	41.658780	-72.016230	lacustrine	3.6	0.027	Köster and Pienitz, 2006b
Batorliget Marsh	1	130	47.750000	22.500000	terrestrial, marsh	-888888	0.035	Willis et al., 1995
Battle Ground Lake	1	154	45.800000	-122.490000	lacustrine	16.13	0.135	Juvigné, 1986; Walsh et al., 2008
Bayan Nuur	1	1540	48.463100	95.160400	lacustrine	14	64.01	Umbanhowar Jr et al., 2009
Bayangdian Lake	1	7.97	38.840000	115.990000	lacustrine	2	-999999	Fan et al., 2019
Bazu bog	1	15	57.700040	22.450210	terrestrial, bog	-888888	2646	Stivrins, Unpublished
BC 1	2	120	57.147783	-120.651383	terrestrial, bog	-888888	-999999	Väliranta et al., Unpublished
BC 2	2	120	58.431900	-120.119444	terrestrial, bog	-888888	-999999	Väliranta et al., Unpublished
BC 4	2	120	58.852222	-122.422778	terrestrial, bog	-888888	-999999	Väliranta et al., Unpublished
Beach Lake	1	81	65.216667	-127.050000	lacustrine	-999999	-999999	Rowe et al., 1975
BEAT, Glen Affric	1	270	57.259899	-4.966109	terrestrial	-888888	-999999	Shaw and Tipping, 2006
Beaver Lake, Nebraska	1	900	42.460044	-100.670164	lacustrine	-777777		Clark et al., 2001
Beaver Lake, Ontario	1	468	49.534350	-90.400190	lacustrine	4	0.032	Senici et al., 2015
Beaver Lake, Oregon	1	69	44.917167	123.296333	lacustrine, fluvial origin	1.5	0.01	Walsh et al., 2010a
Beef Pasture	3	3060	37.416667	-108.150000	terrestrial	-888888	0.75	Petersen, 1988

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Beg Bunar	1	1750	42.150000	22.550000	terrestrial, bog	-888888	-999999	Lazarova et al., 2015
Bega Swamp	1	1080	-36.510000	149.500000	terrestrial, bog	-888888	-999999	Polach and Singh, 1980
Belauer See	1	26	54.100000	10.253300	lacustrine	29	1.15	Dörfler et al., 2012; Wiethold, 1998
Beliya Kanton	1	1547	41.730000	24.140000	terrestrial, bog		0.095	Marinova, Unpublished
Ben Lake	1	480	49.356950	-89.769560	lacustrine	5	0.016	Senici et al., 2013
Bereket Basin	1	1410	37.545000	30.295000	terrestrial, marsh	-888888	-999999	Kaniewski et al., 2008
Bermu Mire	2	783	39.434100	-4.146000	terrestrial, bog	-888888	5e-04	Luelmo-Lautenschlaeger et al., 2018
Berry East Pond	1	43	42.620100	-71.087330	lacustrine	-999999	0.016	Oswald et al., 2007; Oswald, Unpublished
BI02 (North Quebec)	1	210	57.120000	-76.380000	lacustrine	7.5	0.007	Gajewski, 2019
Bialowieza forest Site 2	4	165	52.751900	23.878900	terrestrial, small hollow	-888888	1e-05	Mitchell and Cole, 1998
Bibersee	1	430	47.206944	8.466667	terrestrial, mire	-888888	-999999	Tinner and Lotter, 2006
Bielice	1	185	48.620000	18.340000	terrestrial, fen		-999999	Hájková et al., 2013
Big Beer	1	315	53.122810	-60.103610	lacustrine	1.25	1.35	Umbanhowar Jr and Camill, 2020
Big Fish Lake	1	320	42.883960	-83.392430	lacustrine	21	0.43	Ballard, 2009
Big Spirit Lake Iowa	1	449	43.484620	-95.106170	lacustrine	7.3	23	Umbanhowar Jr, Unpublished
Binnewater Pond	1	256	41.409742	-74.551738	lacustrine	-999999	0.26	Robinson et al., 2005
Birzulis	2	148	55.780000	22.470000	lacustrine	4.5	1	Stančikaitė et al., 2006
Biviere di Gela	1	7	37.016700	14.330000	lacustrine	6	1.2	Noti et al., 2009
Bjornfjelltjorn	1	510	68.444160	18.071660	lacustrine	12.9	-999999	Bjune et al., 2008

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Black HF	1	13	41.328100	-70.792300	lacustrine	-999999	0.014	Oswald et al., 2018; Oswald et al., 2020
Black Loch	4	90	56.320833	-3.194722	lacustrine	3	0.015	Edwards and Whittington, 2000; Edwards et al., 2000; Whittington et al., 1991
Black Pond	1	262	35.620000	-84.180000	lacustrine	0.1		Cridlebaugh, 1984; Delcourt and Delcourt, 1997a; Delcourt and Delcourt, 1997b; Delcourt and Delcourt, 1998; Delcourt et al., 1983; Delcourt et al., 1986; Delcourt et al., 1998; Meeks, 2004; Meeks, 2005
Black Swamp	1	1450	-32.050000	151.466700	terrestrial, bog	-888888	-999999	Dodson et al., 1986
Blaneys Pond HF	1	5	41.471700	-70.765200	lacustrine	-999999	0.01	Oswald et al., 2018; Oswald et al., 2020
Blood Pond HF	1	214	42.080000	-71.961500	lacustrine	3.6	0.085	Lindbladh et al., 2007; Oswald and Foster, 2013; Oswald et al., 2007; Oswald et al., 2020
Blue Lake Kosciuzko	1	1950	-36.140000	148.430000	lacustrine	28	0.16	Raine, 1974
Bluff Lake CA	1	1926	41.346415	-122.559950	lacustrine	1.7	0.03	Mohr et al., 2000
Blundells Flat	2	762	-35.190000	148.490000	terrestrial, fen	-888888	-999999	Hope et al., 2006b
BN07 (North Quebec)	1	395	55.000000	-73.520000	lacustrine	2.8	0.34	Gajewski, 2019
Bobundara Swamp	1	75	-36.583300	150.060000	coastal, estuarine	-999999	1.2	Hope et al., 2006a
Bogdanowka-Belo	3	675	49.754200	19.794350	terrestrial, buried fen	-888888	0.003	Kořaczek et al., 2017; Kořaczek et al., 2020

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Boggy Swamp	1	1160	-29.960000	151.490000	terrestrial, bog	-888888	-999999	Dodson et al., 1986
Bohult Hollow	1	77	57.233300	16.166700	terrestrial, small hollow	-888888	0.005	Axelsson, 1995; Lindbladh et al., 2000
Boigu Gawat	1	10	-10.100000	142.140000	coastal	0.1	-999999	Rowe, 2006a; Rowe, 2007
Bolan Lake	1	1637	41.022500	-122.458300	lacustrine	11.25	0.05	Briles et al., 2005
Bolin Billabong	1	50	-37.766700	145.066700	fluvial	3	0.017	Leahy et al., 2005
Bolshoe Bog	1	450	51.460000	104.500000	terrestrial, mire	-888888	-999999	Krivonogov et al., 2004; Takahara and Krivonogov, Unpublished
Bolton Fell Moss	1	110	55.020000	-2.850000	terrestrial, bog	-888888	3.65	Barber et al., 2003
Boluo Pond	1	-999999	44.380000	124.820000	terrestrial, bog		70	He et al., 2015
Bonatoa	1	4	-18.070000	178.530000	terrestrial, bog	0.5	-999999	Hope et al., 1999; Hope, 1996b
Bondi Lake	2	22	-36.800000	149.930000	coastal	4.5	0.7	Dodson et al., 1993
Boomerang Lake	1	360	49.180000	-124.150000	lacustrine	7	0.627	Brown et al., 2006
Bopaiah	1	910	12.153889	75.713056	terrestrial, mire	-888888	-999999	Nogué et al., 2017
Borreguil de la Caldera	1	2992	37.050600	-3.323300	terrestrial, bog	-888888	0.0017	Ramos-Román et al., 2016
Borsteler Moor	2	36.21	52.638810	8.972081	terrestrial, bog	-888888	-999999	Shumilovskikh et al., 2015
Bortala River	1	1300	44.973730	81.031340	terrestrial, marsh		38.4	Li and Wang, 2020
Botucatu	1	500	-23.180000	-48.000000	terrestrial, soil	-888888	-888888	Marques Gouveia et al., 2002; Ruiz Pessenda et al., 2004
Boulder Flat	1	25	-37.450000	148.920000	terrestrial	-888888	-999999	Kenyon, 1989

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Bouleau	1	108	50.523900	-63.207300	terrestrial, bog	-888888	1.51	Primeau and Garneau, 2021; Primeau and Garneau, Unpublished
Braamhoek	1	1700	-28.230000	25.580000	terrestrial, fen	-888888		Norström et al., 2009
Breadalbane	1	694	-34.800000	149.510000	lacustrine, drained lake	-888888	-999999	Dodson, 1986
Breclav	1	160	48.770000	16.875469	terrestrial, fen	-888888	0.125	Jamrichová, Unpublished
Brenda Lake	1	207	62.350000	-119.190000	lacustrine	5.86	-999999	Lynch et al., 2004
Bricu lake	1	208.4	57.115374	25.870619	lacustrine	2.7	0.16	Steinberga and Stivrins, 2021
Bridgewater Lakes	1	20	-38.300000	141.380000	lacustrine	5	-999999	Head, 1988
Brooks Ridge Fen	1	1450	-36.150000	148.590000	terrestrial, fen	-888888		Mooney et al., 1997
Bruckmisse	3	670	48.732500	8.644200	terrestrial, bog	-888888	-999999	Rösch et al., 2005; Rösch, 2007
Brule (Quebec Ontario)	1	270	45.717000	-75.433000	lacustrine	45	0.1	Lafontaine-Boyer and Gajewski, 2014
Brurskardtjorni	1	1309	61.416667	8.666667	lacustrine	10	-999999	Bjune, 2005
Brve	1	362	50.066660	14.238880	terrestrial, fen	-888888	0.06	Pokorný and van der Knaap, 2011
Buchensee	1	614	47.765990	8.983900	lacustrine	12	0.03	Rösch and Wick, 2019
Buhaiescu Mare	1	1918	47.570000	23.643333	lacustrine, glacial origin	0.5	0.009	Feurdean et al., 2020b; Geantă et al., 2014
Burnt Knob Lake	1	2250	45.700000	-114.980000	lacustrine, glacial origin	5.5	0.035	Brunelle and Whitlock, 2003

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Burruga Swamp	1	1462	-32.020000	151.430000	terrestrial, bog	-888888		Dodson et al., 1994c
Burralow Creek Swamp	1	320	-33.530000	150.630000	terrestrial, fen	-888888		Chalson, 1991
Butchers Swamp	1	1230	-29.970000	151.450000	terrestrial, bog	-888888	-999999	Dodson et al., 1986
Butler Lake	1	316	43.662484	-88.134088	lacustrine	4	0.03	Long et al., 2011b
Buxton	1	235	-37.440000	145.690000	terrestrial, bog	-888888		McKenzie, 2002
Byenup Lagoon	2	175	-34.460000	116.730000	lacustrine	2.8	12	Dodson and Lu, 2000
Cahaba Pond	1	204	33.500000	-86.530000	lacustrine	1.34	0.002	Cridlebaugh, 1984; Delcourt and Delcourt, 1997a; Delcourt and Delcourt, 1997b; Delcourt and Delcourt, 1998; Delcourt et al., 1983; Delcourt et al., 1986; Delcourt et al., 1998; Meeks, 2004; Meeks, 2005
Caihe Town	1	1190	47.510000	120.870000	lacustrine, volcanic lake	6.5	0.03	Wu and Liu, 2013
Cain HF	1	20	41.858300	-70.978400	lacustrine	-999999	0.013	Oswald et al., 2020
Cajanuma valley	2	3285	-4.149722	-79.156944	terrestrial, bog	-888888	7e-04	Villota and Behling, 2014
Caledonia Fen	1	1280	-37.333300	146.733300	terrestrial, fen	0.1	0.15	Kershaw et al., 2007b
Calineasa	1	1300	46.563100	22.829200	terrestrial, bog		0.01	Feurdean et al., 2009; Feurdean et al., 2020b
Cambara do Sul	1	1040	-29.052500	-50.101100	terrestrial, bog	-888888	0.00196	Behling et al., 2004

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Cameron's Lagoon	1	1045	-41.960000	146.680000	terrestrial, bog	1	0.0025	Thomas and Hope, 1994
Camillan Wood	1	17	52.030000	-9.560000	terrestrial, small hollow	-888888	0.001	Mitchell, 1988
Camp Lake Albion County	1	316	45.159300	-94.091600	lacustrine	17	47.76	Marlon and Umbanhowar Jr., 2016c
Campbell Lake CA	1	1750	41.532802	-123.105499	lacustrine	7.12	0.12	Briles et al., 2011
Campo Lameiro	5	295	42.533300	-8.516700	terrestrial	-888888	-999999	Kaal et al., 2008; Kaal et al., 2011; Kaal et al., 2013; López-Merino et al., 2012
Cana Swamp	1	500	7.750000	-77.580000	terrestrial, fen	-888888	1	Bush and Colinvaux, 1994
Canada de la Cruz	1	1595	38.067500	-2.687500	lacustrine	1	0.6875	Carrión et al., 2001b
Canada del Gitano Sierra de Baza	1	1900	37.233300	-2.700000	terrestrial, bog	-888888	2	Carrión et al., 2007
Canal de la Puntilla	1	120	-40.952500	-72.905000	terrestrial, fen	-888888	-999999	Moreno, 1997
Canoe	1	166	53.048890	-57.671750	lacustrine	0.637	3.63	Umbanhowar Jr and Camill, 2020
Cantarrana	1	36	10.430000	-84.000000	terrestrial, bog	0.01	0.005	Kennedy and Horn, 2007
Caohu Lake	1	-999999	31.560000	117.390000	lacustrine	2.69	825	Wu et al., 2008
Caotanhua relic site	1	380	44.420000	113.020000	terrestrial, bog	-888888	-999999	Zhang et al., 2014
Carajas	1	250	-6.000000	-50.160000	lacustrine			Cordeiro et al., 2008
CASA	3	270	49.552292	-78.987178	terrestrial, bog	-888888	-999999	Beaulne et al., 2021
Castello Lagoon	1	2.4	42.281556	3.099528	coastal	1	2.2	Ejarque et al., 2016
Castor	1	220	46.613900	-72.998900	lacustrine	-999999	0.001	Carcaillet and Richard, 2000

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Catas Altas	1	755	-20.083333	-43.366670	terrestrial, soil	-888888	-999999	Behling and Lichte, 1997
Cedar Lake CA	1	1740	41.207395	-122.496677	lacustrine	2.6	0.04	Whitlock et al., 2004
Cederberg Pakhuisch	1	460	-32.100000	19.060000	terrestrial			Scott and Woodborne, 2007
Cedres Lake	1	307	49.346000	-79.208000	lacustrine	16	0.04	Ali et al., 2008
Cenote Kail	2	1534	16.000000	-91.554000	lacustrine	-777777	-999999	Harvey et al., 2019
Cepicko polje	1	27	45.190000	14.159100	lacustrine, drained lake	0	1.2	Balbo et al., 2006; Balbo, Unpublished; Feurdean et al., 2020b
Cepkeliai	1	131	54.010000	24.617000	terrestrial, bog	-888888	58.58	Stančikaitė et al., 2019a
Cerna Hora	1	1206	50.660556	15.755833	terrestrial, bog	-888888	0.6	Speranza et al., 2000a
Cerro Toledo	2	3244	-4.116083	-79.172056	terrestrial, bog	-888888	-999999	Brunschön and Behling, 2009
Cha das Lameiras	2	950	40.942800	-7.676100	terrestrial	-888888	-999999	López-Sáez et al., 2017a
Chai-ku Lake	1	129	62.000000	130.060000	lacustrine	1	0.44	Katamura et al., 2009b
Champ Gazon	1	585	47.203333	4.048611	terrestrial, bog	-888888	0.2	Jouffroy-Bapicot et al., 2013; Jouffroy-Bapicot, 2010
Chang Cheng Cun	2	1400	35.870000	106.780000	terrestrial, loess		-999999	Tan et al., 2018
Changwu County	1	-999999	35.150000	107.930000	fluvial		-999999	Zhao, 2005
Chapple Vale Swamp	1	30	-38.620000	143.320000	terrestrial, fen	0		McKenzie and Kershaw, 1997
Charco da Candieira	1	1409	40.343600	-7.578100	lacustrine	0.5	0.008	Connor et al., 2012; van der Knaap and van Leeuwen, 1995; van der Knaap and van Leeuwen, 1997
Chasseur Lake	1	275	47.745775	-79.087453	lacustrine	5.2	0.0015	Paillard, Unpublished

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Chatsworth Bog	1	290	40.675830	-88.323060	terrestrial, fen	1	0.25	Nelson et al., 2006
Cheinu	3	461	52.647000	-72.192600	terrestrial, fen	-888888	0.148	Robitaille et al., 2021
Chenghai Lake	2	1509	26.450000	100.630000	lacustrine	31.8	77.2	Xiao et al., 2018
Chengjiang River	1	1721	24.420000	102.870000	lacustrine, tectonic origin	81.2	212	Sun et al., 2018
Chengzishan site	1	553	41.310000	119.480000	archaeological site		-999999	Zhao et al., 2011
Cheremushuka bog	1	462	52.750000	108.080000	terrestrial, mire	-888888	0.5	Krivosogov et al., 2004; Shichi et al., 2009
Chiba Lake	1	-999999	29.580000	113.000000	lacustrine, fluvial origin	6	-999999	Gao, 2017
Chichi (Changbai Mountains)	1	1832	42.000000	128.000000	terrestrial, bog		0.5	Gao et al., 2016
Chickaree Lake	1	2796	40.334125	-105.841095	lacustrine	7.9	0.015	Dunnette et al., 2014
Chihuahueros Bog	1	2925	36.040000	-106.500000	terrestrial, bog	3	0.023	Allen et al., 2008; Anderson et al., 2008a; Anderson et al., 2008b; Anderson, Unpublished; Brunner Jass, 1999
Chopper Lake	1	-999999	66.002250	-146.275320	lacustrine	9.4	-999999	Kelly et al., 2013
Chyornaya Valley	1	2	44.560000	33.620000	fluvial	2		Cordova and Lehman, 2005
Clarks Junction	1	560	-45.710000	170.110000	terrestrial	-888888	-999999	McGlone, 2001
Clayoquot Lake	1	15	49.250000	-125.500000	lacustrine, glacial origin	3.8	0.47	Gavin et al., 2003
Clear (COHMAP2k)	1	513	43.750000	-74.016667	lacustrine	11	0.035	Gajewski et al., 1987

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Cliff Palace Pond	1	424	37.520000	-83.920000	terrestrial, small hollow	0.14	0.001	Delcourt and Delcourt, 1997b; Delcourt et al., 1998
Club Lake	1	1995	-36.400000	148.310000	lacustrine	2	-999999	Dodson et al., 1994a
Coast Trail Pond	1	230	37.980000	-122.800000	lacustrine	0		Anderson, 2005; Rypins et al., 1989
Cobrico Swamp	1	140	-38.300000	143.030000	terrestrial, fen	1	-888888	Dodson et al., 1994b
Code Lake	1	250	67.150000	-151.860000	lacustrine, thermokarst origin	-999999	0.02	Higuera et al., 2009
Coldwater Lake, McIntosh County	1	596	46.016660	-99.066660	lacustrine	6	0.5	Umbanhowar Jr, 2004; Xia et al., 1997
Colonia basin	1	700	-23.867500	-46.707500	terrestrial, mire	-999999	-999999	Rodríguez-Zorro et al., 2020
Como Lake	1	3523	37.550000	-105.500000	lacustrine	-999999	-999999	Shafer, 1989
Chongqing	1	2120	31.400000	110.040000	terrestrial, bog	0.1	10	Dodson et al., 2021
Conroy (COHMAP2k)	1	140	46.283333	-67.883333	lacustrine	33	0.105	Gajewski et al., 1987
Cooley Lake BC	1	1515	49.490867	-117.645321	lacustrine	11	0.045	Gavin et al., 2006
Copper Falls Lake	1	392	47.417000	-88.192000	lacustrine	3	0.3	Pompeani et al., 2018
Core Fr10 95-GC-17	1	-1093	-22.040000	113.500000	marine	1093		van der Kaars and de Deckker, 2002
Core Trident 163 31B	1	-3210	-3.620000	-83.966700	marine			Heusser and Shackleton, 1994
Corral Lake	1	75	57.320000	-100.850000	lacustrine	7.5	0.08	Lynch et al., 2004
Cothill Fen	1	80	51.697753	-1.332935	terrestrial, fen	-888888	0.433	Day, 1991
Cotter Source Bog	1	1755	-35.755000	148.857500	terrestrial, bog	-888888	0.05	Jones, 1990
Cotter Source Bog center	1	1755	-35.960000	148.810000	terrestrial, bog	0		Hope and Clark, 2008

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Crag Lough	1	250	55.006008	-2.367383	lacustrine, glacial origin	2	0.11	Dark, 2005
Craigrossie	1	112	-29.820000	30.990000	-777777	0		Scott, 2002
Crane Lake	1	2590	36.716667	-112.210000	lacustrine	-999999	-999999	Shafer, 1989
Crater Lake Alaska	1	806	62.101714	-146.238431	lacustrine	4.2	0.01	Barrett et al., 2013a; Barrett et al., 2013b
Crater Lake CA	1	2288	41.383600	-122.579700	lacustrine	12.15	0.06	Mohr et al., 2000
Crawford Lake Ontario	1	279	43.468529	-79.948817	lacustrine	28.5	0.025	Clark and Royall, 1996
Creag na Caillich	1	685	56.500000	-4.330000	terrestrial, bog	-888888	-999999	Tipping et al., 1993
Crevice Lake	2	1713	45.000000	-110.578000	lacustrine, glacial origin	31	0.0776	Power, Unpublished; Whitlock et al., 2008
Crominia	1	710	-17.270000	-49.410000	terrestrial, marsh	-888888	-999999	Salgado-Labouriau et al., 1997
Crooked Pond	1	28	41.891667	70.650000	lacustrine	3.5	0.09	Shuman et al., 2001
Crudale Meadow	1	9	59.010000	-3.320000	terrestrial, bog	-888888	0.12	Bunting, 1994; Edwards et al., 2000
Crystal Lake Minnesota	1	284	44.333900	-93.211300	lacustrine	11	1.13	Marlon and Umbanhowar Jr., 2016d
Cubelles	1	2	41.200000	-1.670000	coastal	-888888	-999999	Riera-Mora and Esteban-Amat, 1994
Cuddie Springs	1	127	-30.370000	147.310000	lacustrine, drained lake	-888888	3	Field et al., 2002
Cuguron	1	513	43.100000	0.540000	terrestrial, mire	-888888	0.8	Vannière and Laggoun-Défarge, 2002

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Curt Pond	1	336	36.900000	-84.030000	terrestrial, small hollow	0.2	-999999	Cridlebaugh, 1984; Delcourt and Delcourt, 1998; Delcourt et al., 1983; Delcourt et al., 1986; Meeks, 2004; Meeks, 2005
Cvitova	1	228	49.215830	24.468200	terrestrial, buried fen	-888888	0.012	Feurdean et al., 2020b; Kořaczek et al., 2016
Cygnets Lake	1	2530	44.660000	-110.610000	lacustrine, glacial origin	6.1	0.11	Millspaugh et al., 2000; Millspaugh, 1997
Daihai Lake	1	1221	40.530000	112.670000	lacustrine	13.1	133.5	Wang et al., 2013
Daiyunshan Mountain 01	1	1030	25.840000	118.270000	terrestrial		-999999	Zhao et al., 2017a
Daiyunshan Mountain 02	1	950	25.770000	118.110000	terrestrial		-999999	Zhao et al., 2017a
Daktariske	1	148	55.800000	22.400000	-777777			Rimantienė, 1992
Dalane	1	40	58.244167	8.004445	lacustrine	5.15	0.028	Eide et al., 2005
Dalhousie Springs	1	150	-26.410000	135.520000	terrestrial, mound spring or spring	0		Boyd, 1990
Dallican Water	1	56	60.391670	-1.100000	lacustrine	4	0.01	Bennett et al., 1992
Dallund So North Funen	1	12	55.480000	10.260000	-777777			Bradshaw et al., 2005; Rasmussen and Bradshaw, 2005
Dalmutladdo	1	355	69.166667	20.716667	lacustrine	4	0.072	Bjune et al., 2004
Dark Lake (COHMAP2k)	1	335	45.266667	-91.466667	lacustrine	4	0.138	Gajewski et al., 1985
Daxigou	1	3450	43.140000	86.910000	terrestrial	0		Zhang et al., 2004b

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Dead Horse Lake	1	2248	42.560600	-120.778100	lacustrine, glacial origin	0	0.15	Minckley et al., 2007
Deep Pond Falmouth	1	23	41.564087	-70.635791	lacustrine	-999999	0.01	Oswald et al., 2020; Parshall et al., 2003
Deep Taunton	1	7	41.882400	-71.011500	lacustrine	-999999	0.015	Oswald et al., 2018; Oswald et al., 2020
DeHerrera Lake	1	3343	37.740000	-107.700000	lacustrine	0		Anderson et al., 2008a; Anderson, Unpublished
Delta del Rio Besos	1	0	41.405278	2.248333	terrestrial	-888888	-999999	Riera-Mora and Esteban-Amat, 1994
Deming Lake Minnesota	1	464	47.170177	-95.168432	lacustrine	16.6	0.054	Clark and Royall, 1996; Clark et al., 2001
Den Plain	1	350	-41.502780	146.341670	fluvial	-888888	-999999	Moss et al., 2007
Derragh Bog	1	70.5	53.766700	-7.416700	terrestrial, bog		0.374	A.G. Brown et al., 2005
Derragh Lough	1	62	53.761100	-7.577800	lacustrine	2	0.4	A.G. Brown et al., 2005
Derrycunihy Wood	1	75	52.010000	-9.410000	terrestrial, small hollow	-888888	-999999	Mitchell, 1988
Desautels	1	480	49.457800	-73.256700	lacustrine	7	0.3	Carcaillet and Richard, 2000
Deuce Lake	1	170	65.516670	-147.516700	lacustrine, thermokarst origin	5	0.03	Lynch et al., 2002
Dimple Lake Alaska	1	394	69.956951	-150.201839	lacustrine	8	0.1	Hu et al., 2010; Hu et al., 2011
Dingnan County	1	250	24.750000	115.030000	fluvial		-999999	Dodson et al., 2006
Doe HF	1	79	42.175400	-72.702400	lacustrine	-999999	0.014	Oswald et al., 2018; Oswald et al., 2020
Doel	1	-1	51.320830	4.245270	coastal, estuarine	-888888	-888888	Deforce, 2011

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Dog Lake	1	1183	50.760000	-116.100000	lacustrine	4.7	0.151	Hallett and Walker, 2000
Doge Doge Swamp	1	8	-17.900000	177.270000	terrestrial, bog	0.5	0.05	Hope et al., 2009
Dolbeau	1	965	48.966900	-65.955800	lacustrine	0.45	0.031	Carcaillet and Richard, 2000
Dom Lake	1	470	49.439660	-89.632040	lacustrine	6	0.031	Senici et al., 2015
Dongganchi site	1	49	40.200000	116.000000	terrestrial	-777777		Zhang et al., 1996; Zhang et al., 1997; Zhang et al., 1999
Dongxiafeng North	1	500	35.250000	111.350000	archaeological site		-999999	Huang et al., 2006
Dongxiafeng South	1	500	35.150000	111.350000	archaeological site		-999999	Huang et al., 2006
Doroo Nuur	1	2394	48.245900	90.663900	lacustrine	9.1	14.12	Umbanhowar Jr et al., 2009
Dragonfly Lake	1	760	60.811944	-135.340000	lacustrine	2	0.06	Edwards et al., 2015
Duarte Pond HF	1	15	41.420000	-70.615500	lacustrine	3	0.014	Foster et al., 2002b
Dubh-Lochan	1	150	57.290000	-4.430000	lacustrine, glacial origin	3.5	0.012	Froyd, 2006
Dublin Bog	1	710	-41.720000	146.230000	terrestrial, bog	-888888	0.5	Colhoun et al., 1991
Dubrava Wood	1	190	48.867300	17.102400	terrestrial, bog	-888888	-999999	Jamrichová et al., 2017
Duck Pond Naushon	1	3	41.494745	-70.714160	lacustrine	18	-999999	Oswald, Unpublished
Duck Pond Wellfleet	1	2.5	41.932448	-70.000651	lacustrine	18	0.051	Winkler, 1985
Duguldzeiri River bog	1	529	54.450000	109.530000	terrestrial, mire	-888888	-777777	Krivanogov et al., 2004; Takahara and Krivanogov, Unpublished
Dukes Tarn	1	830	-44.964180	168.492690	lacustrine	-999999	0.015	McWethy et al., 2014
Duliha bog	1	510	51.510000	105.000000	terrestrial, mire	-888888	-999999	Krivanogov et al., 2004; Takahara and Krivanogov, Unpublished
Dune Lake	1	134	64.416670	-149.900000	lacustrine	9	0.12	Lynch et al., 2002

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Durchenbergried	1	432	47.783333	8.983333	terrestrial, bog	0	0.0225	Rösch, 1986; Rösch, 1997
Durnoye	1	118	55.090000	40.893900	terrestrial, bog		0.03	Feurdean et al., 2020b; Novenko et al., 2016b
Dyanushka	1	33	65.030000	125.030000	terrestrial, bog	-777777		Werner et al., 2005
E5	1	805	68.640000	-149.460000	lacustrine	12	0.1	Vachula et al., 2019
Eagle Lake Carver County	1	294	44.808700	-93.933600	lacustrine	4	0.74	Marlon and Umbanhowar Jr., 2016e
Eagle Pond HF	1	11	41.698000	-70.137000	lacustrine	6.4	0.04	Oswald et al., 2020; Parshall et al., 2003
East Lake	1	2863	37.170000	-119.020000	lacustrine, glacial origin	5		Power, 1998
East Moor	1	250	50.530000	-4.470000	terrestrial, bog	-888888	-999999	Gearey et al., 2000
East Sooke Fen	1	155	48.351900	-123.681700	terrestrial, fen	-888888	0.001	Brown and Hebda, 2002; Brown et al., 2006
EC01 (North Quebec)	1	250	56.280000	-75.100000	lacustrine	8.65	0.04	Gajewski, 2019
EC02 (North Quebec)	1	260	56.020000	-74.950000	lacustrine	8.85	0.025	Gajewski, 2019
EC03 (North Quebec)	1	279	56.020000	-74.980000	lacustrine	4.18	0.025	Gajewski, 2019
Egg Lagoon	1	20	-39.650000	143.950000	terrestrial, bog	0		D'Costa et al., 1993
El Brezosa	2	733	39.349100	-4.361100	terrestrial, bog	-888888	0.106	Morales-Molino et al., 2018
El Carrizal	1	860	41.318500	-4.145000	lacustrine	1.5	0.11	Franco-Múgica et al., 2005
El Patia	1	760	2.030000	-77.000000	lacustrine	-888888	0.018	Vélez et al., 2005
El Payo mire	4	1000	40.253500	-6.771200	terrestrial, fen	-888888	-999999	Silva Sánchez et al., 2016

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
El Perro mire	1	690	39.051300	-4.759600	terrestrial, mire	-888888	3.3	Luelmo-Lautenschlaeger et al., 2019a; Luelmo-Lautenschlaeger et al., 2019b
El Portalet	2	1802	42.798990	-0.398830	terrestrial, bog	-888888	0.1	González-Sampériz et al., 2006
El Redondo	2	1765	40.221400	-5.656900	terrestrial, bog	-888888	0.00125	López-Sáez et al., 2016a
El Salto	1	67	-41.640000	-73.090000	lacustrine	-777777		Alloway et al., 2017; Moreno and Videla, 2016
El Tiemblo	1	1250	40.357500	-4.526300	terrestrial, bog	-888888	2e-04	López-Sáez et al., 2017b
El Tiro Bog	1	2810	-3.840000	-79.140000	terrestrial, bog	-888888	-999999	Niemann and Behling, 2008
ELA-320 Lake	1	360	49.500000	-93.500000	lacustrine	17.3	0.045	Lynch et al., 2004
Elferdalen	1	380	59.650000	9.300000	terrestrial, bog	-777777		Tryterud, 2000
Elim	1	1757	-28.510000	28.500000	lacustrine	1		Scott, 2002
Ely (COHMAP2k)	1	384	41.766667	-75.833333	lacustrine	-999999	0.129	Gajewski et al., 1987
Enos Lake	1	50	49.280000	-124.150000	lacustrine	-999999	0.18	Brown et al., 2006
Epilobium Lake	1	366	65.972480	-145.567120	lacustrine	13.1	-999999	Kelly et al., 2013
Erethizon Lake	1	-999999	61.599383	-161.160417	lacustrine	4.1	0.43	Higuera, Unpublished; Hu, 2015
Erhai Lake	1	1974	25.760000	100.200000	lacustrine, tectonic origin	10.8		Jing et al., 2003
Erlongwan Maar Lake	1	724	42.300000	126.380000	lacustrine, volcanic lake	36	0.3	Li et al., 2013
Ertangcun	1	1050	35.150000	107.800000	archaeological site		-999999	Huang et al., 2006

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Eski Acigol	1	1270	38.550000	34.540000	lacustrine, drained lake	-888888	0.2	Roberts et al., 2001; Turner et al., 2008
Espinosa de Cerrato	1	885	41.956700	-3.935000	terrestrial, marsh	-888888	0.088	Morales-Molino et al., 2017b
Estacion Cientifica San Francisco Cerro de Consuelo	1	3155	-4.002444	-79.059583	terrestrial, soil	-888888	-999999	Niemann and Behling, 2009a
Estacion Cientifica San Francisco Refugio	1	1534	-3.975000	-79.073600	terrestrial, soil	-888888	-999999	Niemann and Behling, 2009a
Estacion Cientifica San Francisco T2250	1	3495	-4.730417	-79.424064	terrestrial, soil		-999999	Niemann and Behling, 2009a
Etang de la Gruere	2	1005	47.240600	7.050000	terrestrial, bog		0.225	Roos-Barraclough et al., 2004
Etu-Mustajarvi	1	157	60.980000	25.000000	lacustrine	9	0.045	Sarmaja-Korjonen, 1998
Eustach	1	387	50.890667	14.428425	terrestrial, bog	-888888	0.005	Bobek et al., 2017
Evoran Pond	1	194	-18.760000	169.010000	lacustrine	-777777		Hope, Unpublished
Eweburn Bog	1	320	-45.320000	167.800000	terrestrial, bog	0		Ogden et al., 1998
Excelsior Basin	2	2631	52.783333	-117.116667	lacustrine	-999999	-999999	Kearney and Luckman, 1983a
Fargesia die-off soil profile	1	-999999	33.660000	107.795000	terrestrial		-999999	Rayle et al., 2015
Fariya Lake	2	225	59.848333	-111.291111	lacustrine	5.6	0.012	Larsen and MacDonald, 1998; Larsen et al., 2000; Larsen, 1994
Fazenda do Pinto	1	900	-29.400000	-50.560000	terrestrial, mire	-888888	-999999	Behling et al., 2001
Fenton Cottage	1	200	53.840005	-2.928430	terrestrial, mire	-888888	-999999	Wells et al., 1997

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Ferry Lake	1	25	46.010000	-92.130000	lacustrine, glacial origin	12		Jensen et al., 2007
Fish	1	423	43.850000	-95.040000	lacustrine	-777777		Clark et al., 2001
Fish Lake Le Sueur County	1	310	44.227400	-93.664800	lacustrine	16.7	0.31	Marlon and Umbanhowar Jr., 2016h
Fish Lake Scott County	1	288	44.649200	-93.459700	lacustrine	8.5	0.7	Marlon and Umbanhowar Jr., 2016i
Five Lakes	1	780	48.080000	-118.920000	lacustrine	2.84		Scharf, 2010
Fleck's Loch Bog, Foula	1	170	60.146022	-2.093045	terrestrial, bog	-888888	-999999	van Leeuwen and van der Knaap, 2008
Flotatjonn	1	890	59.670270	7.540550	lacustrine	8	-999999	Birks, 2006
Folly	1	133	45.458260	-75.777750	terrestrial, bog		0.14	Blarquez et al., 2018
Forest Pond 1	1	2797	43.471667	-109.938889	lacustrine	0.5	-999999	Lynch, 1995; Lynch, 1998
Forest Pond 2	1	2766	43.438889	-109.950000	lacustrine	0.5	-999999	Lynch, 1995; Lynch, 1998
Fox Lake Martin County	1	381	43.675280	-94.692220	lacustrine	6	3.85	Umbanhowar Jr, Unpublished
Fox Lake Yukon	1	-999999	68.009783	-160.170133	lacustrine	6	0.02	Higuera, Unpublished; Hu, 2015
Foy	2	1006	48.160000	-114.350000	lacustrine	39.9		Power et al., 2006
Fred South Swamp	1	27	-38.130000	141.780000	terrestrial, bog	1	0.012	Builth et al., 2008
Fresh Pond Falmouth HF	1	6	41.593500	-70.533800	lacustrine	5.9	0.053	Oswald et al., 2020; Parshall et al., 2003
Frozen Lake	1	1180	49.600000	-121.460000	lacustrine	17	0.03	Hallett et al., 2003
Frying Pan Lake	1	2720	38.616667	-111.666667	lacustrine	-999999	-999999	Shafer, 1989
Fuente de la Leche	1	1382	40.346800	-5.056900	terrestrial, bog	-888888	-999999	Robles-López et al., 2018

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Fuente del Pino Blanco	1	1343	40.236300	-4.977600	terrestrial, bog	-888888	0.0137	Robles-López et al., 2018
Fuldera-Palu Lunga	1	1822	46.610000	10.360000	terrestrial, bog	-888888	0.01	Stahli et al., 2006
Fuller Lake Stearns County	1	292	45.420600	-94.074300	lacustrine	8.5	0.12	Marlon and Umbanhowar Jr., 2016g
Funduzi	1	429	-22.850000	30.890000	lacustrine	0		Scott, 2002
Fur Lake	1	288	46.710217	-78.789733	lacustrine	5.5	0.0725	Paillard, Unpublished
Fusedame	1	120	35.080000	136.180000	lacustrine	0		Nishimura, Unpublished
Gabarn	1	310	43.171680	-0.555514	terrestrial, bog	0		Rius et al., 2009
Gaillard	2	392	50.113270	-68.808760	terrestrial, bog	-888888	-999999	Unpublished
Gallaghers Swamp	1	535	-34.490300	150.723000	terrestrial, bog	-888888	0.18	Hope and Macphail, 2005; Hope, 2010
Galway Tarn	1	130	-43.408300	169.873300	lacustrine	5.5	-999999	Vandergoes et al., 2013
Gammelheimenvatnet	1	290	68.482220	17.759440	lacustrine	4.8	-999999	Bjune et al., 2008
Ganbold Nuur	1	2102	51.334600	98.875533	lacustrine	21.9	0.12	Robinson and Umbanhowar Jr, 2016a; Robinson, 2007
Gaoyao County	2	29	22.900000	112.340000	terrestrial, bog	-888888	-999999	Ma et al., 2018b
Garba Guracha	1	3950	6.881938	39.871212	lacustrine	6	0.15	Gil-Romera et al., 2019
Gasak II	1	81	52.460000	19.391266	terrestrial, bog		-999999	Wacnik et al., 2011
Gazwa	1	155	53.872500	21.219722	terrestrial, bog	-888888	2.05	Marcisz et al., 2017
GB01 (North Quebec)	1	325	55.120000	-75.250000	lacustrine	4.82	0.07	Gajewski, 2019
GB02 (North Quebec)	1	300	55.100000	-75.280000	lacustrine	4.8	0.05	Gajewski, 2019
Geais Lake	1	280	49.892280	-78.655100	lacustrine	10.15	0.037	Ali et al., 2009

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Gem Lake Colorado	1	3101	40.881000	-106.734000	lacustrine	6.5	0.028	Calder et al., 2015
Gentry Lake	1	270	-12.170000	-69.090000	lacustrine	3	0.35	Bush et al., 2007b
GeoB1023-5	1	-1978	-17.157217	11.011667	marine	-888888	-888888	Shi et al., 1998
Geral	1	130	-1.640000	-53.590000	lacustrine	6	3	Bush et al., 2000
Ghab	1	240	35.650000	36.250000	lacustrine, drained lake	-888888	-999999	Yasuda et al., 2000
Ginini Flats	2	1590	-35.310000	148.460000	terrestrial, bog	0		Hope et al., 2005
Ginkunai Lake	1	107	55.950000	23.338600	lacustrine	-999999	0.722	Stančikaitė et al., 2015
Glaswaldsee	1	839	48.426166	8.246156	lacustrine, glacial origin	11	0.029	Rösch, 2009
Gleboczek	1	110	53.868066	18.209629	terrestrial, bog	-888888	0.001	Lamentowicz et al., 2019
Glendhu Bog	1	600	-45.833300	169.750000	terrestrial, bog	-888888	0.036	McGlone and Wilmshurst, 1999
Glenmire	1	399	37.990000	-122.770000	terrestrial, bog	-888888	-999999	Scott and Woodborne, 2007
Gold Creek Lake	1	2917	40.781000	-106.678000	lacustrine	10.6	0.037	Calder et al., 2015
Golebiewo I	1	130	54.450000	18.500000	terrestrial, bog		0.06	Latałowa et al., 2013; Pędziszewska and Latałowa, 2016; Święta-Musznicka et al., 2021
Gonghe Basin	1	3780	35.650000	101.100000	terrestrial		13800	Miao et al., 2017
Gooches Swamp	1	960	-33.450000	150.260000	terrestrial, fen	-888888	0.4	Black and Mooney, 2006
Goose Lake Meeker County	1	334	44.985500	-94.586300	lacustrine	3.5	0.48	Marlon and Umbanhowar Jr., 2016j

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Gorenje jezero	2	550	45.740000	14.408300	terrestrial, mire	0.1	0.1	Andrič and Willis, 2003; Andrič, 2004; Andrič, Unpublished; Feurdean et al., 2020b
Gorgo Basso	1	6	37.610000	12.650000	lacustrine	10	0.03	Tinner, 2008
Gourte Mires	1	291	51.060000	-3.670000	terrestrial, mire		-999999	Fyfe et al., 2003
Graham Lake	1	381	45.183300	-77.350000	-777777	-999999	0.025	Fuller, 1997
Granger Lake	1	-999999	66.057540	-145.652090	lacustrine	9.5	-999999	Kelly et al., 2013
Grauthelleren	1	80	58.144160	7.913610	lacustrine	7.8	-999999	Birks, 2006
Green HF	1	82	42.566800	-72.511100	lacustrine	-999999	0.05	Oswald et al., 2018; Oswald et al., 2020
Green Pond	1	80	42.566800	-72.511000	lacustrine	5.7	0.05	Fuller et al., 1998; Parshall and Foster, 2002
Greenpepper Lake	1	207	66.089000	-146.730000	lacustrine, thermokarst origin	15.5	1.5	Anderson et al., 2019
Greens Bush	1	160	-38.430000	144.930000	coastal	0		Jenkins, 1992
Grey Pole Swamp Broughton Island	1	9	-32.610000	152.310000	terrestrial, bog	-888888	-999999	Horn, 2005; Mooney et al., 2020
Griblje	1	160	45.567500	15.281900	terrestrial, marsh	0.01	0.008	Andrič, 2011; Feurdean et al., 2020b
Griblje Marsh	1	160	45.560000	15.270000	-777777	0		Andrič, 2007
Griffith Swamp	1	20	-33.280000	151.000000	terrestrial, bog	0.1		Mooney et al., 2007
Grosser Krebssee	1	5	52.850000	14.099300	lacustrine	7.5	0.3	Jahns, 2000
Grosser Treppensee	1	52.2	52.150000	14.452778	lacustrine	5.55	0.71	Giesecke, 2001
Grostjorna Setesdal Valley	1	180	58.533300	7.733300	lacustrine	9.5	0.03	Eide et al., 2005

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Grusha Lake	1	2413	50.383300	89.416700	lacustrine, glacial origin	3.5	1.6	Blyakharchuk et al., 2007
Gushantun bogs	1	500	42.000000	126.000000	terrestrial, bog		0.79	Zhao et al., 2015
Gutian wetland	2	1677	26.090000	110.370000	terrestrial, bog	-888888	-999999	Ma et al., 2018b
Haeapugua	1	1650	-5.830000	142.780000	terrestrial, marsh	-888888		Haberle and Ledru, 2001
Haerbaling (Changbai Mountains)	1	550	43.300000	128.600000	terrestrial, bog		9.17	Gao et al., 2016
Haircut Lake	1	1000	60.515555	-133.205555	lacustrine	8.64	0.1	Edwards et al., 2015
Halledammen Hallands Vadero	1	-999999	56.440000	12.570000	-777777			Molinari, 2002
Hanlongwan maar lake	1	700	42.680000	126.500000	lacustrine, drained lake	0	0.85	Zhao et al., 2015
Hardibo	1	2150	11.230000	39.760000	-777777	0		Moeyersons et al., 2006
Harlock Pond HF	1	23	41.403000	-70.713000	lacustrine	5.9	0.055	Foster et al., 2002b; Oswald et al., 2020
Hasseldala Port	2	63	56.266667	15.016667	terrestrial, bog	0	-999999	Wohlfarth et al., 2017
Hatchodaira	1	810	35.230000	135.830000	terrestrial, mire	-888888	0.05	Sasaki and Takahara, Unpublished
Hayk	1	1920	11.350000	39.710000	-777777	0		Moeyersons et al., 2006
Head Lake	1	2300	37.700000	-105.500000	lacustrine	-999999	-999999	Jodry et al., 1989; Shafer, 1989
Hells Kitchen Lake (COHMAP2k)	1	500	46.183333	-89.700000	lacustrine	19	0.045	Swain, 1973

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Henty Bridge	1	115	-41.990000	145.470000	lacustrine, drained lake	-888888	-999999	Colhoun, 1985
Herrenwieser See	2	830	48.669167	8.296389	lacustrine	9.5	0.013	Rösch, 2012
Heshui County	1	1400	36.030000	108.170000	archaeological site		-999999	Tan et al., 2010
Hidden Lake Mount Zirkel	1	2704	40.504000	-106.607000	lacustrine, glacial origin	9	0.038	Shuman et al., 2006
High Lake	1	192	44.516700	-76.600000	lacustrine	-999999	0.025	Fuller, 1997
Hinman Lake	1	2501	40.771000	-106.827000	lacustrine	5	0.027	Calder et al., 2015
Hino	1	181	57.583056	27.238611	terrestrial, fen	-888888	0.02	Laul and Kihno, 1999
Hinojos Marsh	2	1.5	36.960200	-6.385800	terrestrial, marsh	-888888	-999999	López-Sáez et al., 2018
Hogan's Billabong	1	140	-36.020000	146.710000	lacustrine	3.5		Reid et al., 2006
Hogayaku	1	3580	-3.980000	137.380000	lacustrine, glacial origin	0		Hope, 2007a
Holbicky	1	183	48.510000	17.109167	terrestrial, bog	-888888	-999999	Jamrichová et al., 2019
Holebudalen	1	1144	59.841389	6.008611	lacustrine	8.2	0.02	Eide et al., 2005
Holtjarnen	1	232	60.650000	14.916667	lacustrine, glacial origin	7	0.01	Brown and Giesecke, 2014; Giesecke, 2005a
Hoodoo Lake	1	1770	46.320193	-114.651545	lacustrine	4	0.046	Brunelle et al., 2005; Brunelle-Daines, 2002
Hopwoods Lagoon	1	38	-33.210000	150.990000	lacustrine	0		Smeulders, 1999
Hornstaad	1	393	47.690000	8.900000	-777777			Rösch, 1992; Rösch, 1993

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Horse Cove Bog	1	887	35.040000	-83.150000	terrestrial, bog	-888888	0.12	Delcourt and Delcourt, 1997a
Horton Plains	1	2200	6.800000	80.490000	terrestrial, bog	-888888	-999999	Premathilake, 2006
Hougongzhai village	1	-999999	35.680000	107.580000	archaeological site		-999999	Zhou et al., 2011
Hovorany	1	246	48.950000	17.057496	terrestrial, fen	-888888	-999999	Jamrichová, Unpublished
Howes Prairie Marsh	1	185	41.650000	-87.072222	terrestrial, marsh	-888888	6e-04	Cole and Taylor, 1995
Howes Waterhole Swamp	1	280	-33.010000	150.660000	terrestrial, fen	0		Mason, 2004
Hoya del Castillo	2	258	41.482000	-0.158300	lacustrine, playa	4.5	0.17	Davis and Stevenson, 2007
Huangqihai Lake	1	1280	40.830000	113.380000	lacustrine, drained lake	0	80	Ling et al., 2016
Hudson Lake	1	860	61.897711	-145.670722	lacustrine	1.4	2.7	Barrett et al., 2013a; Barrett et al., 2013c
Huguangyan Maar Lake	1	87.6	21.150000	110.280000	lacustrine	22	2.3	Chu, 2001
Hula	1	70	33.040000	35.370000	-777777	-777777		Turner et al., 2010
Hunnemara Lake Blekinge coast	1	3	56.166700	14.883300	lacustrine, drained lake	-888888	0.2	Yu et al., 2005
Hunt Lake Rice County	1	327	44.331400	-93.445400	lacustrine	8	0.71	Marlon and Umbanhowar Jr., 2016k
Hunter's Lake	1	3516	37.600000	-106.840000	lacustrine	0		Anderson et al., 2008a; Anderson, Unpublished

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Hute pod Smrkem	1	533	49.470000	18.418517	terrestrial, bog	-888888	-999999	Jamrichová, Unpublished
Huzenbacher See	2	74	48.574657	8.348487	lacustrine, glacial origin	8	0.025	Rösch and Tserendorj, 2011a; Rösch and Tserendorj, 2011b
Hyde Park	1	74	41.780000	-73.890000	terrestrial, mire	-888888	-999999	Robinson et al., 2005
Icehouse Pond HF	1	19	41.798000	-69.961000	lacustrine	6.3	0.018	Oswald et al., 2020; Parshall et al., 2003
Iezerul Sadovei	1	930	47.603600	25.449444	lacustrine	4.7	0.02	Florescu et al., 2017
Ijomba	1	3630	-4.030000	137.210000	terrestrial, fen	0		Haberle and Ledru, 2001
Imera	1	1610	41.650000	44.210000	terrestrial, bog	2	0.06	Connor and Sagona, 2007; Connor et al., 2004; Connor, Unpublished
Indoinyu Esambu Swamp	1	1191	-2.711913	37.554357	terrestrial, bog	0.1	0.4	Courtney-Mustaphi et al., 2015; Githumbi et al., 2018a; Githumbi et al., 2018b
Ingar Swamp	1	584	-33.760000	150.450000	terrestrial, mire	-888888	-999999	Chalson and Martin, 2009; Chalson, 1991
Isbenttjorn	1	787	59.765000	0.434440	lacustrine	11.5	-999999	Birks, 2006
Iso Lehmälampi	1	106	60.350000	24.600000	lacustrine	8.1	0.028	Sarmaja-Korjonen, 1998
Ispani	1	2	41.860000	41.800000	terrestrial, bog	-888888	-999999	Connor et al., 2007
Iztapa	1	10	13.951908	-90.659736	terrestrial, marsh		-999999	Larmon, 2013
J'Arrive	1	56	49.247200	-65.376400	lacustrine	2.4	0.024	Carcaillet and Richard, 2000
Jack Pine Lake	1	34	50.270556	-86.962778	lacustrine	12.8	0.028	Ali, Unpublished

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Jackfish	1	655	63.020000	-136.470000	lacustrine, glacial origin	8		Edwards, Unpublished
Jaczno	1	164	54.276971	22.876204	terrestrial, bog	-888888	0.013	Marcisz et al., 2020
Jagaike	1	610	35.240000	135.450000	terrestrial, mire	-888888	0.002	Manabe and Takahara, Unpublished; Sasaki and Takahara, 2012; Sasaki and Takahara, Unpublished
Jagniecy Potok	1	850	50.850000	15.360000	terrestrial, bog		0.14	Kajukalo et al., 2016
Jan Lake	2	485	63.566670	-143.900000	lacustrine	12	0.143	Barber and Finney, 2000; Carlson and Finney, 2004
Jarveotsa	1	42.2	59.095556	24.154167	lacustrine	2.65	0.17	Poska, 1994
Jason	1	120	61.680000	-107.780000	lacustrine	12.6	0.01	Lynch et al., 2004
Jeleni louze	1	460	50.892778	14.270000	terrestrial, mire	1	0.02	Pokorný and Kuneš, 2005
Jemima Pond HF	1	3	41.829000	-69.985000	lacustrine	4.3	0.022	Oswald et al., 2020; Parshall et al., 2003
Jiandi Pond	1	-999999	45.000000	122.340000	terrestrial, bog		230	He et al., 2015
Jianghan Plain	1	33	30.770000	113.080000	archaeological site		-999999	Zhu et al., 2017
Jiangxigou village	1	3312	36.590000	100.300000	archaeological site		-999999	Jiang et al., 2015
Jiangyangcun	1	685	34.470000	107.880000	archaeological site		-999999	Huang et al., 2006
Jibbon Lagoon	2	65	-34.080000	151.150000	terrestrial, bog	0		Chalson, 1991

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Jicarita Bog	1	3207	36.070000	-105.580000	-777777	0		Anderson et al., 2008a; Anderson, Unpublished; Bair, 2004
Jierstivaara	1	457	68.660000	23.730000	lacustrine, playa	2.5	0.112	Sarmaja-Korjonen, 1998
Jinchuan (Changbai Mountains)	1	614	42.300000	126.400000	terrestrial, bog	-888888	-888888	Bao et al., 2010; Moser et al., 2002
Jinchuan peat bog	2	662	42.370000	126.430000	terrestrial, bog		3.14	Gao et al., 2016; Jiang et al., 2008
Jingjie	1	1159	38.740000	110.180000	terrestrial		42200	Cai et al., 2015
Jonah Lake	1	-999999	66.068000	-145.084880	lacustrine	9.2	-999999	Kelly et al., 2013
Jones Lake	1	409	49.446389	-99.291111	lacustrine	4.4	0.56	Teed et al., 2009; Teed et al., 2016a
JPH4	1	336	57.112222	-111.423333	terrestrial, bog	-888888	-999999	Magnan et al., 2018
Juodonys	1	20	55.740000	25.440000	terrestrial, bog	-888888	-999999	Stančikaitė et al., 2004; Stančikaitė et al., 2009
Kabata Swamp	1	1370	0.480000	30.260000	lacustrine, volcanic lake	0		Taylor et al., 1999
Kahala	2	33.2	59.486740	25.531503	lacustrine	1.2	3.45	Poska and Saarse, 1999
Kaipo	1	980	-38.400000	177.100000	terrestrial, bog	-888888	0.73	Hajdas et al., 2006; Hogg et al., 1987; Lowe et al., 1999; Newnham and Lowe, 2000
Kalksjon	1	98	60.130000	13.050000	lacustrine	14.2	0.4	Lindbladh et al., 2000
Kammekka hollow	3	156	61.242500	25.055278	terrestrial, small hollow	-888888	1e-06	Stivrins et al., 2017a; Stivrins et al., 2019
Kankaanjarvi	3	85	61.539167	22.714722	lacustrine, glacial origin	10	-999999	Kaakinen et al., 2010

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Kapteinstjorn Siljan	1	590	59.330000	9.660000	-777777			Molinari et al., 2005
Karakol	1	2353	42.830000	77.390000	lacustrine	3		Beer and Tinner, 2008
Kashiru Swamp	1	2240	-3.460000	29.560000	terrestrial, bog	-888888	-999999	Aucour et al., 1994
Katoomba Swamp	1	950	-33.710000	150.310000	terrestrial, fen	-888888	-999999	Chalson, 1991
Kazanie fen	1	101	52.458694	17.296352	terrestrial, mire	-888888	0.03	Czerwiński et al., 2019; Czerwiński et al., 2021
Keche Lake	1	740	68.017444	-146.923806	lacustrine	14.5	0.802	Chipman et al., 2015a; Chipman et al., 2015d
Kelela Swamp	1	1650	-4.020000	138.910000	terrestrial, bog	-888888	1.5	Haberle et al., 1991
Kelly Dudley Lake	1	321	44.352300	-93.370800	lacustrine	18	0.77	Marlon and Umbanhowar Jr., 2016l
Kendegelukol Lake Ulagan Plateau	1	2050	50.505600	87.641700	lacustrine, glacial origin	6	-999999	Blyakharchuk et al., 2004
Kentra Moss	1	10	56.750000	-5.830000	terrestrial, bog	-888888	0.95	Ellis and Tallis, 2000
Kettle Lake, ND	1	610	48.607198	-103.623723	lacustrine	10.2	0.022	K.J. Brown et al., 2005; Grimm et al., 2011; Grimm, 2011
Kettlehole Bog	2	600	-43.050000	171.780000	terrestrial, bog	0		McGlone et al., 2004
Kevojarvi	1	74.7	69.758940	27.000180	lacustrine	35	1.02	Lisitsyna, Unpublished
Keyhole (Yukon)	1	826	61.078000	-138.375000	lacustrine	4	0.0406	Gajewski et al., 2014
Kholboo Nuur	1	2570	49.701400	91.091400	lacustrine	2.9	0.09	Umbanhowar Jr et al., 2009
Khundt Nuur	1	1933	49.051300	97.160000	lacustrine	6.8	26.78	Umbanhowar Jr et al., 2009
Kichikol	1	2541	39.980000	73.550000	lacustrine	10		Beer, Unpublished
Kiilaspere	1	22.6	58.796944	24.436111	terrestrial, bog	-888888	0.43	Veski, 1998

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Kilden Islet of Melkoya	1	15	70.670000	23.640000	terrestrial, fen		0.00015	Jensen, 2004
Killalea Lagoon	1	22	-34.600000	150.860000	coastal, estuarine	1	0.23	Dodson et al., 1993
Killymaddy Lough	1	70	54.530000	-6.760000	lacustrine	10.5	0.025	Hirons and Edwards, 1986
Kimble Pond	1	314	44.219020	-93.840090	lacustrine, glacial origin	16	0.049	Camill et al., 2003; Geiss et al., 2003; Umbanhowar Jr et al., 2006
Kings Tableland Swamp	1	780	-33.730000	150.480000	terrestrial, mire	-888888	-999999	Chalson and Martin, 2009; Chalson, 1991
Kings Waterhole	1	280	-33.010000	150.660000	terrestrial, bog	0.1	-999999	Black, 2001; Chalson, 1991
Kinloch	1	-999999	57.025431	-6.299902	terrestrial, mire	-888888	-999999	Hirons and Edwards, 1990
Kinnshaugen	1	591	61.108330	10.359160	lacustrine	4.6	-999999	Birks et al., 2012
Kis-Mohos Ro	1	310	48.400000	20.400000	terrestrial, bog		0.0036	Willis et al., 1997
Klotjarnen	1	235	61.816667	16.533333	lacustrine, glacial origin	6	0.012	Brown and Giesecke, 2014; Giesecke, 2005a
Klukvennoye	1	171	54.780000	43.450000	terrestrial, bog		0.15	Feurdean et al., 2020b; Novenko et al., 2018
Knob Hill Pond HF	1	370	44.360500	-72.373700	lacustrine	4.2	0.071	Oswald et al., 2018; Oswald, Unpublished
Kohuora	1	30	-36.978700	174.842700	lacustrine, volcanic lake	0	-999999	Newnham et al., 2007a
Koivasoo	1	27.5	58.908611	22.199444	terrestrial, bog	-888888	0.34	Königsson et al., 1998

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Kontolanrahka bog Poytya	1	80	60.790000	22.770000	terrestrial, bog	-888888	8.8	Sillasoo et al., 2011; Väiliranta et al., 2007
Kosipe Swamp	2	1960	-8.460000	147.200000	terrestrial, marsh	-888888	12	Hope, 2009
Koumac	1	2	-20.650000	164.280000	coastal, salt marsh	-999999	-888888	Hope et al., 1999
Kozcaronliacutete	1	460	49.376389	14.025833	terrestrial, mire	-888888	0.001	Pokorný and Kuneš, 2009
Kragso	1	47	56.291465	9.091028	lacustrine	1	0.22	Odgaard, 1994
Krepelci dul	1	357	50.931874	14.438233	terrestrial, bog	-888888	6e-04	Bobek et al., 2019
Krimda	1	200	35.280000	6.630000	terrestrial, bog	-777777		Damblon, 1991
Krugloe Bog West Siberian Plain	1	100	56.895600	84.576100	terrestrial, bog	-888888	-999999	Blyakharchuk et al., 2019a
Kukka Hollow	1	136	61.649300	32.752900	terrestrial, small hollow	-888888	0.001	Kuosmanen et al., 2015
Kumata	1	1770	42.590400	23.251900	terrestrial, bog		0.001	Feurdean et al., 2020b; Tonkov and Possnert, 2016a; Tonkov and Possnert, 2016b
Kumisi	1	469	41.580000	44.830000	lacustrine, tectonic origin	3	5	Connor, 2006
Kunming Lake	2	48.6	39.980000	116.260000	lacustrine	-777777		Huang et al., 1994; Huang, 1996
Kurnell Fen	1	15	-34.010000	151.100000	coastal, estuarine	0		Martin, 1994
Kurnell Swamp	1	2	-34.030000	151.210000	terrestrial, fen	0		Martin, 1994

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Kuttura	1	277	68.406140	26.503390	terrestrial, bog	0	0.18	Lisitsyna, Unpublished
Kwasebuge	1	1939	-4.292015	37.922840	-777777			Finch et al., 2016
La Laguna	1	560	28.492222	-16.318333	lacustrine, drained lake	-888888	0.4	de Nascimento et al., 2009
La Loge a Magnard Chavannes	1	150	46.840000	2.360000	terrestrial, mire	-888888	-999999	Vannière and Martineau, 2005; Vannière, 2001
La Yeguada	1	650	8.450000	-80.850000	lacustrine	0		Haberle and Ledru, 2001
La-Teta	1	1020	3.080000	-76.530000	lacustrine	-999999	-999999	Berrío et al., 2002
Labelle Lake	1	375	48.180242	-79.457011	lacustrine	9.6	0.105	Paillard, Unpublished
Lac a Euloge	1	83	49.244400	-65.372200	lacustrine	2.2	0.012	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Marcoux and Richard, 1995
Lac a Jean-Marie Boulay	1	276	48.969800	-64.486100	lacustrine	8.84	0.0177	Richard, 2021
Lac a l'ange	1	648	47.460000	-70.400000	lacustrine			Richard, Unpublished
Lac a la Main	1	730	47.700000	-70.622200	lacustrine	-999999	0.096	Bussieres, 1992; Carcaillet and Richard, 2000; Carcaillet et al., 2002
Lac a la Montagne Ronde	1	150	48.320800	-68.565300	lacustrine	-999999	0.035	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Richard and Larouche, 1994
Lac a la Pessiere	1	280	49.508300	-79.240300	lacustrine	16	0.036	Carcaillet and Richard, 2000; Carcaillet et al., 2001; Carcaillet et al., 2002; Carcaillet et al., 2006; Carcaillet, 1998
Lac a la Tortue	3	125	46.542883	-72.615028	terrestrial, bog	-888888	66	Pilote et al., 2018

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Lac a Leonard	1	17	49.207800	-65.812800	lacustrine	0.6	0.002	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Flannigan et al., 2001; Labelle and Richard, 1984
Lac aux Atocas	1	114	45.542800	-73.310800	lacustrine	1	0.012	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Flannigan et al., 2001; Gauthier, 1981
Lac Bride	1	425	47.315461	-74.497050	lacustrine	3.25	0.017	Richard, 2021
Lac Caribou	1	116	48.197800	-64.940000	lacustrine	2.3	0.026	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Flannigan et al., 2001; Jetté and Richard, 1992
Lac Christelle	1	291	49.732140	-84.254530	lacustrine	7	0.024	Genries et al., 2012
Lac Clo	1	280	48.496900	-79.352800	lacustrine	3	0.007	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Richard, 1980
Lac Daumont	1	607	54.882800	-69.402800	lacustrine	3	0.015	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Richard et al., 1982
Lac Delorme	1	538	54.423900	-69.929700	lacustrine	4.5	0.011	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Richard et al., 1982
Lac des Ilets	1	120	48.190000	-71.240000	terrestrial, mire	0		Simard et al., 2006
Lac Diana	1	114	60.980000	-69.950000	lacustrine	-777777		Blarquez et al., 2015; Richard, Unpublished
Lac du Berger	1	479	49.418510	-90.475870	lacustrine	4	0.004	Senici et al., 2015
Lac du Lait	1	2180	45.310000	6.810000	lacustrine	1		Carcaillet et al., 2009; Genries et al., 2009b
Lac du Loup	1	2032	45.180000	6.530000	lacustrine	1.4		Carcaillet et al., 2009
Lac du Loup, Quebec	1	206	53.055030	-77.400530	lacustrine	3	0.016	Oris et al., 2014

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Lac du Thyl	1	2038	45.240000	6.490000	terrestrial, bog	0.5		Carcaillet et al., 2009; Genries et al., 2009a
Lac du Triangle	1	465	48.710000	-65.413900	lacustrine	1.6	0.015	Asnong and Richard, 2003; Asnong, 2000; Carcaillet et al., 2002; Carcaillet et al., 2006
Lac du Verney-Dessus	1	2276	45.693333	6.872500	lacustrine	1	-999999	Millet et al., 2008; Miras et al., 2006a
Lac Flevy	1	381	48.216900	-71.218900	lacustrine	4.5	0.015	Carcaillet and Richard, 2000
Lac Francis	1	305	48.526400	-79.472200	lacustrine, glacial origin	6	0.008	Carcaillet and Richard, 2000; Carcaillet et al., 2001; Carcaillet et al., 2002; Carcaillet et al., 2006; Carcaillet et al., 2007; Carcaillet, 1998
Lac Garot	1	248	51.099640	-77.553580	lacustrine	6.9	0.051	Oris et al., 2014
Lac Geai SBL	1	360	45.995878	-73.993222	lacustrine	8.2	-999999	Richard, Unpublished
Lac Hertel	1	75	45.680000	-74.050000	-777777	0		Richard, Unpublished
Lac Huard	1	343	50.164140	-86.826500	lacustrine	8.3	0.037	Genries et al., 2012
Lac Le Caron	2	248	52.292611	-75.830500	terrestrial, bog	-888888	2.24	van Bellen et al., 2012
Lac Marcotte	1	503	47.070000	-71.420000	lacustrine	-777777		Blarquez et al., 2015; Richard, Unpublished
Lac Marie-Eve	1	296	52.061690	-75.516670	lacustrine	8.7	0.165	Oris et al., 2014
Lac Martini	1	242	47.475000	-72.764700	lacustrine	-999999	0.002	Carcaillet and Richard, 2000; Carcaillet et al., 2002
Lac Miroir	1	2214	44.630000	6.790000	lacustrine	-777777		Carcaillet and Blarquez, 2017
Lac Nano	1	206	53.023750	-77.364250	lacustrine	3.2	0.004	Oris et al., 2014
Lac Nans	1	431	50.368639	-74.305917	lacustrine	5	0.045	Ali et al., 2012; El-Guellab et al., 2015

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Lac Ouellet	1	300	47.532800	-68.943900	lacustrine	1.9	0.006	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Flannigan et al., 2001; Richard et al., 1992
Lac Perdu	1	152	49.170800	-66.323600	lacustrine	7	0.005	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Flannigan et al., 2001
Lac Rond	1	360	46.000000	-74.000000	lacustrine	-777777		Clark et al., 2001
Lac Schon	1	291	50.594920	-77.568360	lacustrine	7	0.028	Oris et al., 2014
Lac St Gabriel	1	250	46.275800	-73.475800	lacustrine	1	0.003	Carcaillet and Richard, 2000; Carcaillet et al., 2002; Flannigan et al., 2001; Richard, 1977
Lac Superieur de Fully	1	2135	46.176667	7.093611	lacustrine, glacial origin	2	0.25	Finsinger and Tinner, 2007
Lac Suprin	2	230	-22.300000	166.983300	lacustrine	1	0.01	Hope and Pask, 1998
Lac Trefle	1	270	51.850140	-76.045140	lacustrine	5.4	0.068	Oris et al., 2014
Lagaccione	1	355	42.566700	11.850000	lacustrine, drained lake	-888888	0.6	Magri, 1999; Magri, 2004
Laghi dell'Orgials	1	2240	44.230000	7.130000	terrestrial, bog	-888888	-999999	Ortu et al., 2005
Lago Alimini Piccolo	1	1	40.180000	18.430000	lacustrine	2	1.05	di Rita and Magri, 2009
Lago Battaglia	1	1	41.905278	16.134167	lacustrine, drained lake	-888888	-999999	Caroli and Caldara, 2006
Lago Catemaco	1	340	18.666667	-95.000000	lacustrine, volcanic lake	22.5	75	Byrne and Horn, 1989
Lago Chirripo	1	3520	9.483000	-83.496000	lacustrine	9	0.05	Horn, 1989; Horn, 1993

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Lago Condorito	1	60	-41.750000	-73.110000	lacustrine, thermokarst origin	2.7	-999999	Moreno and León, 2003; Moreno et al., 1999
Lago Crispim	1	2	-0.620000	-47.640000	lacustrine	1	0.03	Behling and da Costa, 2001
Lago de las Morrenas	1	3480	9.480000	-83.480000	lacustrine	8.3	-777777	Horn, 1993
Lago del Greppo	1	1442	44.110000	11.660000	lacustrine	1	1.8e-05	Chiarugi, 1936; Vescovi et al., 2010
Lago Dell'Accesa	1	155	42.987933	10.895122	lacustrine	37.5	0.226	Vannière et al., 2008
Lago della Costa	2	7	45.270278	11.743056	lacustrine	5	0.03	Kaltenrieder et al., 2004; Kaltenrieder et al., 2009; Kaltenrieder et al., 2010
Lago delle Fate	1	2130	44.266667	7.100000	lacustrine	3	-999999	Ortu et al., 2005; Ortu et al., 2006; Ortu et al., 2008
Lago di Basso	1	2250	46.416700	9.283300	lacustrine	0.8	7e-04	Carcaillet et al., 2002; Wick, 1994
Lago di Fimon	1	23	45.466700	11.533300	lacustrine	3.9	0.67	Valsecchi et al., 2008
Lago di Massaciuccoli	1	1	43.850000	10.310000	coastal	3	7	Colombaroli et al., 2007
Lago di Muzzano	1	337	45.994444	8.927778	lacustrine, glacial origin	3	0.22	Tinner et al., 2005
Lago di Origlio	1	416	46.055556	8.944444	lacustrine, glacial origin	5	0.08	Tinner et al., 1999; Tinner et al., 2005
Lago di Pergusa	1	674	37.510000	14.300000	lacustrine	1	1.4	Sadori et al., 2008
Lago do Pires	1	390	-17.950000	-42.210000	lacustrine	5	0.025	Behling, 1995
Lago Guanaco	1	60	-51.130000	-73.100000	lacustrine, glacial origin	16	0.13	François, Unpublished
Lago Huala Hue	1	849	-41.510752	-71.507515	lacustrine, glacial origin	-999999	-999999	Iglesias et al., 2012

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Lago Lepue	1	152	-42.804780	-73.712150	lacustrine, thermokarst origin	10	-999999	Pesce and Moreno, 2014
Lago los Ninos	1	1015	-44.007105	-71.494142	lacustrine, glacial origin	-999999	0.8	Iglesias et al., 2016
Lago Lucone	1	249	45.550000	10.483300	lacustrine, drained lake	-888888	-999999	Valsecchi et al., 2005
Lago Mosquito	1	556	-42.493858	-71.404047	lacustrine, thermokarst origin	8	4.61	Whitlock et al., 2006
Lago Perso	1	1801	44.905833	6.797222	lacustrine	3	0.000408	Blarquez et al., 2010
Lago Piccolo di Avigliana	1	356	45.050000	7.383300	lacustrine, glacial origin	12.5	0.6	Finsinger and Tinner, 2006; Valsecchi et al., 2008
Lago Pichilafquen	1	301	-39.220472	-72.208021	lacustrine	19	-999999	Jara and Moreno, 2014
Lago Pollux	1	640	-45.670000	-71.860000	terrestrial, bog	-888888	-999999	Markgraf et al., 2007
Lago Rogaguado	2	125	-4.374611	-79.111528	lacustrine	4	315	Brugger et al., 2016
Lago Tapajos	1	15	-2.770000	-55.080000	fluvial	0	2250	Bush et al., 2007a
Lago Theobald	1	678	-43.437932	-71.561818	-777777			Iglesias et al., 2014
Lago Trifoglietti	1	1056	39.548880	16.022220	lacustrine	1.5	0.00973	de Beaulieu et al., 2017
Lago Verde	1	149	18.610000	-95.340000	lacustrine, volcanic lake	4	-999999	Caballero et al., 2006; Lozano-García et al., 2007; Ortega et al., 2006
Lagoa da Curuca	1	35	-0.760000	-47.850000	lacustrine	2	0.15	Behling, 2001
Lagoa do Caco	1	120	-2.970219	-43.267808	lacustrine	12	1.5	Ledru et al., 2001; Ledru et al., 2002; Ledru et al., 2006

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Lagoa Nova	1	390	-17.950000	-42.200000	lacustrine	6	0.02	Behling, 2003
Laguna Aculeo	1	35	-33.833300	-70.910000	lacustrine, thermokarst origin	6	12	Villa-Martínez et al., 2003; Villa-Martínez et al., 2004
Laguna Azul	2	100	-52.120000	-69.520000	lacustrine, volcanic lake	56	-999999	Mayr et al., 2005
Laguna Bella Vista	1	191	-13.616700	-61.550000	lacustrine, tectonic origin	2	29	Burbridge et al., 2004; Mayle et al., 2000
Laguna Bonillita	1	450	9.990000	-83.610000	lacustrine	20		Northrop and Horn, 1996
Laguna Chaplin	1	200	-14.466667	-61.066667	lacustrine, tectonic origin	2	17	Burbridge et al., 2004; Mayle et al., 2000
Laguna Charco Verde	1	33	11.470000	-85.630000	lacustrine, volcanic lake	-999999	-999999	Avnery et al., 2011
Laguna Chorreras	2	3700	-2.750000	-79.160000	lacustrine, glacial origin	14	0.17	Hansen et al., 2003
Laguna Cocha Caranga	3	2710	-4.045861	-79.159583	lacustrine	2	2	Niemann and Behling, 2009b
Laguna Cuzcachapa	1	709	13.980000	-89.680000	lacustrine	7		Dull, 2001
Laguna de Chochos	1	3285	-7.630000	-77.470000	lacustrine, glacial origin	10	-999999	Bush et al., 2005
Laguna de la Mosca	1	2889	37.059700	-3.314700	lacustrine, glacial origin	3.4	0.0048	Manzano et al., 2019

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Laguna de la Mula	1	2497	37.059700	-3.416800	lacustrine, glacial origin	0.57	0.002	Jiménez-Moreno et al., 2013
Laguna de Rio Seco	1	3020	37.045278	-3.349167	lacustrine	3	0.0042	Anderson et al., 2011
Laguna de Salvador	1	990	18.795786	-70.886979	lacustrine	2.8	-999999	Lane et al., 2009
Laguna de Tagua Tagua	1	200	-34.500000	-71.160000	lacustrine, drained lake	-888888	50	Heusser, 1990a
Laguna de Valleseco	2	870	28.064461	-15.563570	lacustrine	-999999	-999999	de Nascimento et al., 2016
Laguna del Condor	1	818	-42.350679	-71.288481	lacustrine	8.5	1.75	Iglesias et al., 2011
Laguna EkNaab	1	160	17.421145	-89.236475	lacustrine	2.1	0.0017	Wahl et al., 2019
Laguna Grande	2	1250	28.116667	-17.250000	lacustrine, drained lake	-999999	0.03	Nogué et al., 2013
Laguna Guallar	2	336	41.408300	-0.227800	lacustrine, playa	0.3	0.092	Davis and Stevenson, 2007; Davis, Unpublished
Laguna Herradura	1	-777777	22.010000	-98.150000	lacustrine, fluvial origin	-777777		Dull et al., 2010
Laguna la Pava	1	731	-44.279673	-71.523314	lacustrine, glacial origin	-999999	-999999	Iglesias et al., 2016
Laguna la Zeta	1	774	-42.890163	-71.349370	lacustrine	-999999	-999999	Iglesias et al., 2014
Laguna Las Margaritas	1	290	3.380000	-73.430000	lacustrine, fluvial origin	1.5	0.44	Wille et al., 2003
Laguna Lincoln	1	19	-45.360000	-74.060000	lacustrine	0		Villa-Martínez et al., 2012

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Laguna Llana del Espino	1	700	13.950000	-89.520000	lacustrine, tectonic origin	4.6	1	Dull, 2004a
Laguna Lofel	1	13	-44.920000	-74.320000	lacustrine	0		Villa-Martínez et al., 2012
Laguna Melli	1	70	-42.760000	-73.550000	lacustrine, glacial origin	-777777		Abarzúa and Moreno, 2008; Alloway et al., 2017; Pesce and Moreno, 2014
Laguna Metapan	1	450	14.300000	-89.470000	lacustrine, volcanic lake	-999999	-999999	Dull et al., 2010
Laguna Oprasa	1	50	-44.355556	-73.655556	lacustrine, thermokarst origin	3.66		Haberle and Bennett, 2004
Laguna Padre Laguna	1	1280	-41.359762	-71.508487	lacustrine, glacial origin	-999999	-999999	Iglesias et al., 2012
Laguna Pallcacocha	1	4060	-2.750000	-79.160000	lacustrine, glacial origin	8	0.06	Hansen et al., 2003
Laguna Pompal	1	700	18.370000	-94.950000	lacustrine	0	-999999	Goman and Byrne, 1998
Laguna Rabadilla de Vaca	1	1990	-3.980917	-79.074472	lacustrine	5	0.06	Niemann et al., 2009
Laguna Santa Elena	1	1100	8.560000	-82.560000	lacustrine	4		Anchukaitis and Horn, 2005
Laguna Six Minutes	1	15	-46.410000	-74.330000	lacustrine	0		Villa-Martínez et al., 2012
Laguna Stibnite	1	15	-46.410000	-74.400000	lacustrine	0		Villa-Martínez et al., 2012
Laguna Venus	1	600	-45.530000	-72.010000	lacustrine, tectonic origin	5.5	0.004	Szeicz et al., 1998
Laguna Verde	1	1600	13.890000	-89.780000	lacustrine	4.15		Dull, 2001; Dull, 2004b

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Laguna Volcan	1	1500	8.750000	-82.680000	lacustrine, volcanic lake	12	0.01	Behling, 2000
Laguna Zoncho	2	1190	8.813000	-82.963000	lacustrine, tectonic origin	2.3	0.0075	Clement and Horn, 2001
Laguna Zurita	1	3155	-3.974667	-79.117611	lacustrine	3	2	Niemann and Behling, 2009a
Lagunas Natasas Bosque	1	3495	-4.730417	-79.424064	terrestrial, bog	-888888	-999999	Rodríguez and Behling, 2012
Lake Acarabixi	2	33	-0.345833	-64.498889	lacustrine, fluvial origin	-999999	0.4	Rodríguez-Zorro et al., 2017b
Lake Aljojuca	1	2376	19.091130	-97.533602	lacustrine, volcanic lake	30	0.78	Bhattacharya and Byrne, 2016
Lake Banyoles	1	174	42.129100	2.751800	lacustrine	46	1.2	Revelles et al., 2015
Lake Baraba Thirlmere Lakes	1	305	-34.230000	150.530000	lacustrine	6	0.128	Black et al., 2006
Lake Biale	1	72	52.500000	19.494999	lacustrine	31.3	1.502	Wacnik et al., 2011
Lake Biwa	4	84	35.245000	136.054000	lacustrine	63	670	Hayashida et al., 2007; Inoue and Yoshikawa, 2005; Inoue et al., 2001; Inoue et al., 2018; Inoue et al., 2021; Mourguiart and Ledru, 2003; Takemura et al., 2000
Lake Bled	1	475	46.364400	14.094700	lacustrine	30	1.45	Andrič et al., 2009; Feurdean et al., 2020b; Lane et al., 2011
Lake Brazi	1	1740	45.400000	22.901667	lacustrine	1	0.005	Finsinger et al., 2018
Lake Bucura	1	2040	45.360000	22.874167	lacustrine	17.5	0.0892	Vincze et al., 2017

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Lake Burg	1	1821	42.505000	1.306111	lacustrine, glacial origin	0.4	0.3	Bal et al., 2011
Lake Carana	1	5	-2.834645	-55.041785	lacustrine	3	0.7	Maezumi et al., 2018
Lake Chalalan	1	330	-14.420000	-67.920000	lacustrine	-777777	-777777	Urrego, 2006
Lake Chignahuapan	1	2570	19.160000	-99.530000	lacustrine, volcanic lake	2		Lozano-García et al., 2005
Lake Comprida	1	130	-1.620000	-53.990000	lacustrine, fluvial origin	5	0.78	Bush et al., 2000
Lake Condah	1	60	-38.060000	141.830000	lacustrine	0.5	1.8	Builth et al., 2008
Lake Couridjah Thirlmere Lakes	1	310	-34.230000	150.540000	lacustrine	0		Clark, 1997
Lake Curlip	1	2	-37.830000	148.560000	lacustrine	0		Ladd, 1978
Lake Czarne Bog	1	147	54.295000	22.059200	terrestrial, bog	-888888	0.06	Karpińska-Kończek et al., 2016; Karpińska-Kończek et al., 2014
Lake Czechowskie	1	109	53.874170	18.236670	lacustrine	32	0.77	Dietze et al., 2019
Lake Dojran	1	144	41.191225	22.732638	lacustrine	3	43	Masi et al., 2018
Lake Doukoulou	1	400	4.252778	18.423611	lacustrine	2.35	0.36	Aleman et al., 2013
Lake Dove	1	934	-41.660000	145.960000	lacustrine	157	0.86	Dyson, 1995
Lake Durankulak	1	0.4	43.670000	28.550000	lacustrine	4	3	Marinova and Atanassova, 2006
Lake Eileen	1	3135	40.902000	-106.673000	lacustrine	5.73	0.012	Calder et al., 2015
Lake Emily Wisconsin	1	344	44.314000	-93.914300	lacustrine	11	0.44	Marlon and Umbanhowar Jr., 2016f
Lake Euramoo	1	718	-17.150000	145.620000	lacustrine, volcanic lake	18	-999999	Haberle, 2005
Lake Eyre	1	-15	-28.500000	137.250000	lacustrine, salt lake,	15	9000	Gillespie et al., 1991; Luly, 2001

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
					permanen t			
Lake Facil	1	10	-44.325000	-74.283300	lacustrine	3		Szeicz et al., 2003
Lake Farskjon	1	7	56.170000	14.990000	-777777			Yu et al., 2004; Yu, 2003
Lake Flannigan King Island	1	40	-39.600000	143.950000	terrestrial, bog	0		D'Costa, 1997
Lake Frome	1	40	-30.680000	139.780000	lacustrine, salt lake, permanen t	-777777	2550	Luly and Jacobson, 2000; Singh and Luly, 1991
Lake Gbali	1	400	4.818611	18.262778	lacustrine	2	0.02	Aleman et al., 2013
Lake George	1	673	-35.060000	149.410000	lacustrine	-999999	155	Singh and Geissler, 1985; Singh et al., 1981
Lake Gropile	1	1920	47.579700	24.627300	lacustrine, glacial origin	1.15	0.038	Feurdean et al., 2020b; Florescu et al., 2018
Lake Habbema	1	3120	-4.110000	138.700000	lacustrine	0		Haberle et al., 2001
Lake Hordern	1	3	-38.784000	143.467000	lacustrine	-888888	-999999	Head and Stuart, 1980
Lake Hordorli	1	680	-2.530000	140.550000	terrestrial, bog	0		Hope and Tulip, 1994
Lake Huila	2	2608	-0.423008	-78.018008	lacustrine, volcanic lake	1.2	-999999	Loughlin et al., 2018b
Lake Ifrah	1	1610	33.559294	-4.930555	lacustrine	2	2	Damnati and Reddad, 2017; Reddad et al., 2013
Lake Innu	2	399	50.070000	-68.811000	lacustrine	7.7	0.014	Remy et al., 2017; Remy et al., 2018
Lake Johnston	1	900	-41.860000	145.550000	lacustrine	0		Anker et al., 2001; Dodson et al., 1998

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Lake Khamra	1	340	59.990910	112.983730	lacustrine	22	4.6	Glückler et al., 2020a; Glückler et al., 2020b; Glückler et al., 2020c; Glückler et al., 2020d; Glückler et al., 2021
Lake Kharinei	2	108	67.370000	62.750000	lacustrine	16	0.5	Jones et al., 2011; Salonen et al., 2011
Lake Kipojarvi	1	159.4	69.300000	27.533333	lacustrine, glacial origin	1.5	1.6	Juutinen et al., 2013; Väiliranta et al., 2011; Wohlfarth et al., 2018
Lake Kipojarvi (Kiposuo)	1	159.4	69.300000	27.533333	terrestrial, bog	2.5	1.6	Juutinen et al., 2013; Wohlfarth et al., 2018
Lake Kirjavalampi	1	5	61.733300	30.766700	lacustrine	4	0.024	Alenius et al., 2004
Lake Kirkpatrick	1	570	-45.027060	168.573740	lacustrine	-999999	0.03	McWethy et al., 2014
Lake Kojle	1	149	54.020000	22.880000	terrestrial, bog	33	0.17	Gałka and Obremaska, Unpublished
Lake Kumpaka	1	333	-2.836389	-77.961389	lacustrine, volcanic lake	19.5	0.1385	Åkesson et al., 2021
Lake Lia	1	1910	45.350000	22.876750	lacustrine	4.5	0.0126	Finsinger et al., 2018
Lake Lielais Svetinu	2	96.2	56.760682	27.149276	lacustrine	4	0.188	Feurdean et al., 2017b; Stivrins et al., 2015b
Lake Lisan	2	-430	31.510000	35.470000	lacustrine	-999999	760	Kitagawa et al., 2017; Miebach et al., 2019
Lake Llet-Ti	1	50	66.538889	59.331389	lacustrine	1.5	-999999	Väiliranta et al., 2006
Lake Lucerne	1	434	47.050000	8.590000	lacustrine	110	113.6	Thevenon and Anselmetti, 2007
Lake Majo	1	140	-1.460000	127.480000	lacustrine	0		Haberle and Ledru, 2001
Lake Martha Wright County	1	295	45.142200	-93.739200	lacustrine	6.7	0.38	Marlon and Umbanhowar Jr., 2016p

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Lake Miragoane	1	20	18.400000	-73.050000	lacustrine, tectonic origin	41	7.06	Higuera-Gundy et al., 1999
Lake Mountain	1	1450	-37.460000	145.870000	terrestrial, bog	0		McKenzie, 1997
Lake Naleng	1	4200	31.100000	99.750000	lacustrine	-999999	1.8	Kramer et al., 2010
Lake Nguengue	1	385	3.761111	18.121944	lacustrine	2.3	0.14	Aleman et al., 2013
Lake Nicaragua	1	30	11.762580	-85.872528	lacustrine, tectonic origin	-777777	8264	Dull et al., 2010
Lake Njargajavri	1	355	69.866667	27.166667	lacustrine	2	-999999	Väliranta et al., 2005
Lake of the Clouds (COHMAP2k)	1	462	48.000000	-91.016667	lacustrine	12	0.5	Swain, 1978
Lake Okadensko	1	2475	41.780000	23.350000	lacustrine, glacial origin	0	-999999	Atanassova and Stefanova, 2005
Lake Oltina	1	40	44.140000	27.630800	lacustrine, fluvial origin	2	33	Feurdean et al., 2020b; Feurdean et al., 2021
Lake Orijarvi, Mikkeli	1	89.7	61.662891	27.211239	lacustrine	5	0.288	Alenius et al., 2007
Lake Ostrezko-2	1	2320	42.130000	23.460000	lacustrine	1.5	0.15	Tonkov and Marinova, 2005
Lake Ostrezko-3	1	2340	42.130000	23.460000	lacustrine	1.7	0.1	Tonkov and Marinova, 2005
Lake Oswego	1	30	45.410000	-122.660000	lacustrine	17	1.64	Walsh et al., 2010b
Lake Pacucha	1	3095	-13.607200	-73.495000	lacustrine	30	7.5	Hillyer et al., 2009; Valencia et al., 2010
Lake Parishan	1	823	29.513890	51.802220	lacustrine	2.1	-999999	Djamali et al., 2016
Lake Pata	1	300	0.260000	-66.060000	lacustrine	7	-999999	Bush and de Oliveira, 2006; Bush, Unpublished; Colinvaux et al., 1996
Lake Pikku Harkajarvi	1	188	68.853200	28.644700	lacustrine	6.4	0.0373	Stivrins, Unpublished

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Lake Refugio1	1	3401	-13.091358	-71.708429	lacustrine	1.6	-999999	Urrego et al., 2011
Lake Refugio2	1	3406	-13.094888	-71.705260	lacustrine	2	-999999	Urrego et al., 2011
Lake Refugio3	1	3404	-13.099145	-71.703140	lacustrine	2.5	-999999	Urrego et al., 2011
Lake Rosalia	1	180	68.912800	28.369200	lacustrine	9	0.03017	Stivrins, Unpublished
Lake Ruskowiejskie	1	144	53.950000	21.311700	lacustrine	11.5	0.291	Szal et al., 2017
Lake Rutundu	1	3140	-0.040000	37.460000	lacustrine	11	0.4	Wooller et al., 2003
Lake Ryssjon	1	5	56.170000	15.080000	-777777			Yu et al., 2008; Yu, 2003
Lake Salet	1	132	53.940000	21.322400	lacustrine	17.2	3.277	Szal et al., 2014
Lake Santa Rosa	1	350	-14.470000	-67.870000	lacustrine	-777777	-777777	Urrego, 2006
Lake Selina	1	516	-41.880000	145.600000	lacustrine	6.5	-999999	Colhoun et al., 1999
Lake Sibaya	1	20	-27.200000	32.360000	lacustrine	15		Neumann et al., 2008
Lake Sidi Ali	1	2080	33.068430	-4.998376	lacustrine	40	2.8	Campbell et al., 2017
Lake Skogstjern	1	57.2	59.007050	9.638547	lacustrine, glacial origin	4.1	0.026	Wieckowska-Lüth et al., 2017
Lake Skrzyinka	1	121	53.810000	17.521400	lacustrine	4.3	0.21	Apolinarska et al., 2012
Lake Stiol	1	1670	47.570000	24.813600	lacustrine, glacial origin	1.3	0.016	Feurdean et al., 2020b; Haliuc et al., 2016
Lake Stiucii	1	240	46.970000	23.899700	lacustrine	6	0.38	Feurdean et al., 2013; Feurdean et al., 2020b
Lake Suchar IV	1	143	54.090000	23.024700	lacustrine, glacial origin	8	0.0095	Zawisza et al., 2019
Lake Suho Breznishko	1	1963	41.810000	23.350000	lacustrine, glacial origin	1	0.01	Atanassova and Stefanova, 2005
Lake Suminko	1	163	54.180000	17.798333	lacustrine	17.2	0.15	Pędziszewska et al., 2015

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Lake Surprise	1	93	-38.060000	141.920000	lacustrine, volcanic lake	12	0.126	Builth et al., 2008
Lake Svarcenberk	1	412	49.145833	14.705000	lacustrine, drained lake	-888888	0.5	Pokorný and Jankovská, 2000; Pokorný, 2002
Lake Tanganyika	2	773	-6.552450	29.974667	lacustrine, tectonic origin	309	32900	Tierney et al., 2010a; Tierney et al., 2010b
Lake Teletskoye	1	1900	51.529167	87.714722	lacustrine	325	233	Andreev et al., 2007; Kalugin et al., 2005
Lake Teza	1	8	-28.510000	32.300000	lacustrine	0		Scott, 2002
Lake Tilla	1	690	10.544598	12.131373	lacustrine, volcanic lake	4.5	0.8	Salzmann et al., 2002
Lake Titicaca	1	3810	-16.130000	-69.150000	lacustrine, tectonic origin	152	8500	Paduano et al., 2003
Lake Tritrivakely	1	1514	-19.780000	46.910000	lacustrine, volcanic lake	0		Burney, 1987
Lake Tulane	2	36	27.585000	-81.503600	lacustrine	25	0.36	Grimm et al., 1993; Grimm et al., 2006
Lake Tumbulovaty (Khosedayu mire 1)	1	110	67.116667	59.566667	terrestrial, bog	0	-999999	Kultti et al., 2004
Lake Tumbulovaty (Khosedayu mire 2)	1	110	67.116667	59.566667	terrestrial, bog	0	-999999	Kultti et al., 2004
Lake Tumbulovaty (Khosedayu mire 3)	2	90	67.166667	59.500000	terrestrial, bog	0	-999999	Kultti et al., 2004

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Lake Tyrrell	2	42	-35.310000	142.780000	lacustrine, salt lake, permanent	0		Luly et al., 1986; Luly, 1993
Lake Urmia	1	1265	37.793610	45.375830	lacustrine, tectonic origin	12	5000	Djamali et al., 2008
Lake Van	1	1648	38.550000	42.530000	lacustrine, tectonic origin	430		Wick et al., 2003a
Lake Wangoom	1	100	-38.350000	142.600000	lacustrine, volcanic lake		1.13	Harle et al., 2002
Lake Wodehouse	1	500	7.650000	-77.550000	terrestrial, marsh	0	9	Bush and Colinvaux, 1994
Landing Lake	1	394	65.903370	-145.777070	lacustrine	4.2	-999999	Kelly et al., 2013
Lantianyan peat bog	2	902	28.430000	119.310000	terrestrial, bog	-888888	-999999	Ma et al., 2018b
Lanzahita	1	588	40.222200	-4.935800	terrestrial, bog	-888888	0.00015	López-Sáez et al., 2017b
Lanzhot	1	150	48.710000	16.950639	terrestrial, fen	-888888	0.45	Jamrichová, Unpublished
Laravita	1	3570	-8.390000	147.350000	terrestrial, bog	0		Hope, 2009
Larix Hollow	1	155	61.845917	37.756500	terrestrial, small hollow	-888888	0.001	Kuosmanen et al., 2014
Las Animas Mire	2	1403	36.685800	-5.030000	terrestrial, bog	-888888	2e-04	Alba-Sánchez et al., 2019

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Las Pardillas	1	1850	42.033300	-3.033300	lacustrine	1.5	0.005	Sánchez-Goñi and Hannon, 1999
Las Vinuelas	2	761	39.374400	-4.488400	terrestrial, bog	-888888	2e-04	Morales-Molino et al., 2019
Lashmars Lagoon	1	2	-35.800000	138.067000	lacustrine	-999999	0.5	Clark, 1983
Last Chance	1	250	67.070000	-150.750000	lacustrine, thermokarst origin	8.5	0.34	Higuera, 2006
Lasva	1	72	57.859444	27.175000	lacustrine	19.15	0.11	Niinemets and Saarse, 2007a
Latitude Lake	1	-999999	65.926890	-146.142230	lacustrine	17.5	-999999	Kelly et al., 2013
Lattok Arjeplog	1	480	65.956944	18.345000	lacustrine, glacial origin	5.1	0.011	Carcaillet et al., 2007
Laukutu Swamp	1	20	-9.470000	160.080000	terrestrial, bog	0		Haberle, 1996
LB01 (North Quebec)	1	200	57.920000	-75.620000	lacustrine	10.28	0.06	Gajewski, 2019
Le Vernay	1	595	47.261944	4.079167	terrestrial, bog	-888888	-999999	Jouffroy-Bapicot et al., 2013; Jouffroy-Bapicot, 2010
Lebel	1	22	49.098300	-68.221600	terrestrial, bog	-888888	-999999	Magnan et al., 2014
Leguna Castilla	1	976	18.797800	-70.876100	lacustrine	4.5	-999999	Lane et al., 2009
Lej da San Murrezzan	1	1768	46.490000	9.840000	lacustrine	44	0.78	Gobet et al., 2003
Lena	1	50	69.380000	125.130000	terrestrial, bog	-888888	3	Jasinski et al., 1998
Les Amburnex Mire	1	1370	46.539720	6.231667	terrestrial, bog	-888888	0.002	Sjögren and Lamentowicz, 2008
Les Comailles	1	215	47.660000	3.220000	terrestrial, bog	0		Vannièrè and Rius, Unpublished
LG4-01	1	470	54.035800	-72.872800	lacustrine	-999999	0.003	Carcaillet and Richard, 2000; Carcaillet et al., 2002

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
LG4-05	1	350	54.063300	-72.915300	lacustrine	-999999	0.001	Carcaillet and Richard, 2000; Carcaillet et al., 2002
LG4-06	1	365	54.075000	-72.941900	lacustrine	-999999	0.071	Carcaillet and Richard, 2000; Carcaillet et al., 2002
LG4-09	1	442	54.901100	-72.777200	lacustrine	-999999	0.053	Carcaillet and Richard, 2000; Carcaillet et al., 2002
LG4-12	1	534	52.842800	-73.316400	lacustrine	-999999	0.038	Carcaillet and Richard, 2000; Carcaillet et al., 2002
Liang Jia Cun	2	640	34.450000	107.670000	terrestrial, loess		-999999	Tan et al., 2018
Liang Jia Yao	1	640	34.450000	107.670000	terrestrial, loess		-999999	Tan et al., 2013
Liangjing village	1	-999999	22.950000	114.570000	lacustrine	7.2	0.8	Chen et al., 2014
Liangzhu City	1	-999999	30.470000	120.070000	terrestrial		-999999	Liu, 2014
Libouse	1	1806	44.590000	6.320000	terrestrial, bog			Court-Picon, 2007
Lielais Vipedis	1	96	56.591480	23.000940	lacustrine	4	21	Stivrins, Unpublished
Lijayuan	1	1850	36.110000	104.850000	terrestrial, loess	0		Wang et al., 2005
Lilaste lake	1	0.5	57.179000	24.351639	coastal	2	1.8	Grudzinska et al., 2017; Stivrins, Unpublished
Lili Bog	3	317	49.172300	-79.370300	terrestrial, bog	-888888	-999999	Magnan et al., 2020
Lili Lake	1	320	49.173750	-79.374148	lacustrine	1.4	0.19	Remy et al., 2018
Lilla Gloppsjon	1	198	59.802778	14.627778	lacustrine	27	0.05	Almquist-Jacobson, 1994
Lille Kjelavatn	1	978	59.796111	7.001944	lacustrine	3.5	0.005	Eide et al., 2005
Lily Lake Warner Mountains	1	2042	41.975800	-120.209700	lacustrine	-999999	0.037	Minckley et al., 2007

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Lily Lake Waseca County	1	311	44.191200	-93.640100	lacustrine	7	0.46	Marlon and Umbanhowar Jr., 2016m
Lily Pond New Salem	1	303	42.418100	-72.346800	lacustrine	3	-999999	Foster et al., 2002a
Lily Pond Warwick	1	269	42.680000	-72.330000	lacustrine	1.32	0.008	Fuller et al., 1998; Parshall and Foster, 2002
Lin	1	2	61.480000	-163.430000	lacustrine	1	0.003	Sae-Lim et al., 2019
Lingtai section	1	1400	35.000000	107.500000	terrestrial, loess	0		Wang et al., 2005
Linje	2	90	53.187352	18.309571	terrestrial, bog	-888888	0.0595	Marcisz et al., 2015
Lios Lairthin Mor	1	270	53.080000	-9.210000	terrestrial, bog	-888888	-999999	Jeličić and O'Connell, 1992
Lisletonn	1	520	59.343610	7.305000	lacustrine	7.1	-999999	Birks, 2006
Litlvatnet	1	106	68.526940	14.930830	lacustrine	6	-999999	Bjune et al., 2008
Little Isac	1	210	67.941083	-160.797111	lacustrine	5.4	0.029	Higuera et al., 2011; Higuera et al., 2014b
Little Lake, Oregon	2	210	44.167778	-123.582222	lacustrine, tectonic origin	10	0.015	Grigg and Whitlock, 1998; Long et al., 2007; Worona and Whitlock, 1995
Little Molas Lake	1	3370	37.742200	-107.707800	lacustrine	0	-777777	Anderson et al., 2008a; Toney and Anderson, 2006
Little Pine Lake (COHMAP2k)	1	334	45.283333	-91.483333	lacustrine	5	0.065	Gajewski et al., 1985
Little Pond, Bolton	1	99	42.422340	-71.587738	lacustrine	3.2	0.05	Fuller et al., 1998; Oswald, Unpublished; Parshall and Foster, 2002
Little Pond, Royalston	1	302	42.675000	-72.191670	lacustrine	-999999	0.04	Oswald et al., 2007; Oswald, Unpublished
Litzelsee	1	413	47.770000	8.930600	lacustrine	8	0.013	Rösch and Lechterbeck, 2016

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Liupanshan Mountain	1	1400	35.870000	106.780000	terrestrial, loess		-999999	Tan et al., 2013
Ljustjarnen	1	183	59.750000	14.430000	lacustrine	0		Almquist-Jacobson, 1994
LM01 (North Quebec)	1	320	55.620000	-74.580000	lacustrine	7.75	0.02	Gajewski, 2019
Lobsigensee	1	514	47.030000	7.290000	lacustrine, glacial origin	3		Ammann, 1989
Loch a'Bhogaidh	1	65	55.725000	-6.403333	terrestrial, mire	-888888	0.175	Edwards and Berridge, 1994
Loch a'Phuinnd	1	10	57.366667	-7.266667	lacustrine	5.7	0.015	Fossitt, 1996
Loch an Amair	1	315	57.280000	-4.890000	lacustrine, glacial origin	3.25	0.008	Froyd, 2006
Loch an t'Suidhe	1	32	56.312599	-6.253752	lacustrine	1.5	0.002	Edwards et al., 2007
Loch Buailaval Beag	1	50	58.265056	-6.770299	lacustrine	3.5	0.01	Fossitt, 1996
Loch Laxford	1	0	58.360000	-5.000000	coastal, estuarine	-888888	-999999	Stefanova et al., 2008; Weiss et al., 2002
Loch of Clickimin	1	1	60.150238	-1.165115	coastal	2	0.175	Edwards et al., 2005
Loch of Knitchen	1	160	59.130000	-3.000000	-777777			Bunting, 1996
Loch of Torness	1	15	58.770000	-3.290000	-777777			Bunting, 1996
Loch Sport Swamp	1	2	-37.960000	147.680000	terrestrial, fen	0		Hooley et al., 1980
Lochan na h-Inghinn	1	65	58.250000	-5.090000	lacustrine, glacial origin	3.14	0.01	Froyd, 2006
Lombok Ridge Core G6-4 B	1	-3510	-10.780000	118.060000	marine	3510	-888888	Wang et al., 1999
Lone Pine Lake	1	3016	40.232733	-105.731650	lacustrine	10	0.048	Higuera et al., 2014a

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Long Breach	1	341	51.065870	-3.687402	terrestrial, mire	-888888	-999999	Fyfe et al., 2003
Long Gang Volcanic Field	1	500	42.310000	126.280000	terrestrial, bog		3.14	Meng et al., 2019
Long Swamp	1	2	-38.080000	141.080000	terrestrial, fen	-888888	-999999	Head, 1988
Longgan Lake	1	12.1	30.160000	116.160000	lacustrine	3.78	316	Yang et al., 2002
Loon Lake	1	140	67.929269	-161.966944	lacustrine	12.2	0.14	Chipman and Hu, 2017; Chipman and Hu, 2018
Lost Lake	1	449	45.822988	-123.579517	lacustrine, fluvial origin	6	0.06	Long et al., 2007
Lough Catherine	1	60	54.700000	-7.466670	lacustrine	6.5	0.4	Hirons and Edwards, 1986
Lough Maumeen	1	250	53.405608	-10.022521	lacustrine, glacial origin	5	0.56	Huang, 2002
Lough Mullaghlahan	1	40	54.775000	-8.466944	lacustrine	5.6	0.005	Fossitt, 1994
Lough Nabraddan	1	20	55.016700	-8.350000	lacustrine	5.6	0.006	Fossitt, 1994
Loutre Lake	1	274	49.711694	-78.335833	lacustrine	10.63	0.021	Ali et al., 2009
Lovnas Arjeplog	1	515	66.310833	17.900833	lacustrine, glacial origin	3.7	0.003	Carcaillet et al., 2007
Lower Gaylor Lake	1	3062	37.909380	-119.286309	lacustrine	3.7	0.03	Hallett and Anderson, 2010
LR01 (North Quebec)	1	17	58.580000	-75.250000	lacustrine	9.13	0.02	Gajewski, 2019
LR03 (North Quebec)	1	160	58.570000	-75.220000	lacustrine	10.8	0.022	Gajewski, 2019
LT01 (North Quebec)	1	150	59.140000	-75.150000	lacustrine	3.4	0.075	Gajewski, 2019
Lucky Lake	1	-999999	66.017370	-145.525010	lacustrine	9.4	-999999	Kelly et al., 2013

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Lugovoe mire Western Sayan Mountains	1	1299	52.862500	94.355000	terrestrial, mire	-888888	-999999	Blyakharchuk et al., 2019b
Lugu Lake	1	2692.2	27.680000	100.800000	lacustrine, tectonic origin	44	57.7	Liao, 2017
Luka	1	226	49.196806	24.512778	terrestrial, buried fen	-888888	0.06	Kořaczek et al., 2018a
Luoyang basin	1	-999999	34.650000	112.650000	archaeolo gical site		-999999	Wang, 2015
Lynchs Crater	2	760	-17.360000	145.700000	lacustrine, drained lake	-888888	0.4	Kershaw et al., 2007a; Kershaw, 1983
M14	1	330	50.075556	-95.402222	lacustrine	1.2	0.086	Waito et al., 2018
M15	1	337	49.785833	-95.190278	lacustrine	5.7	0.053	Waito et al., 2018
M16	1	341	49.815833	-95.265556	lacustrine	2.5	0.05	Waito et al., 2018
M34	1	290	50.230000	-95.577778	lacustrine	4.5	0.043	Waito et al., 2018
Maardu	1	31.3	59.441667	25.000000	lacustrine	0.9	1.59	Veski, 1998
Madeleine	1	800	47.672200	-70.719400	lacustrine	3.8	0.083	Carcaillet and Richard, 2000
Mago Island	1	2	-17.440000	179.150000	terrestrial, bog	0		Hope et al., 2009
Mai Maikden I	1	2228	13.583833	39.364600	terrestrial	-888888	-999999	Gebru et al., 2009
Mai Maikden II	1	2228	13.583625	39.568911	terrestrial	-888888	-999999	Gebru et al., 2009
Mai Maikden III	1	2228	13.578578	39.567956	terrestrial	-888888	-999999	Gebru et al., 2009
Main Lake Tower Hill	1	20	-38.310000	142.360000	lacustrine	0		D'Costa et al., 1989
Mala niva	1	753	48.913760	13.816060	terrestrial, bog	-888888	0.8	Bobek et al., 2019; Kozáková et al., 2021; Svobodová et al., 2001
Maligne Lake	2	1675	52.708479	-117.608897	lacustrine	35	19.71	Kearney and Luckman, 1983a; Kearney and Luckman, 1987

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Mallard Lake	1	570	51.287669	-101.324722	lacustrine	8.78	0.08	Teed et al., 2009; Teed et al., 2016b
Malo Jezero	1	0	42.783300	17.350000	lacustrine	29	0.25	Colombaroli et al., 2009; Jahns and van den Bogaard, 1998; Jahns, 2002
Maluyo Swamp	1	5	18.180000	121.580000	terrestrial	-888888		Stevenson, Unpublished
Manaderos	1	1292	40.342400	-4.693900	terrestrial, bog	-888888	5e-05	Robles-López et al., 2020
Manic	1	22	49.118300	-68.305000	terrestrial, bog	-888888	5.38	Magnan et al., 2014
Mannikjarve	1	90	58.866700	26.250000	terrestrial, bog	-888888	3.2	Sillasoo et al., 2007; Sillasoo et al., 2011
Mansell Pond	1	58	45.041670	-68.733000	lacustrine	7	0.04	Almquist-Jacobson and Sanger, 1995
Manzherok Lake Altai Mts.	1	423	51.820800	85.809700	lacustrine	3	0.5	Blyakharchuk et al., 2017
Marais du Grand-Chaumet	1	140	46.930000	1.900000	terrestrial, fen	-777777		Vannière and Laggoun-Défarge, 2002; Vannière, 2001
Maralay Alas	1	134	63.116667	130.600000	lacustrine, thermokarst origin	-888888	1.21	Katamura et al., 2006; Katamura et al., 2009a
Marbore	1	2612	42.695631	0.040019	lacustrine	30	0.1	Leunda et al., 2017
Marcacocha	1	3355	-13.210000	-72.200000	lacustrine	0		Chepstow-Lusty et al., 1998
Marcella Lake	2	697	60.073611	-133.807777	lacustrine	9.7	0.04	Anderson et al., 2005; Edwards et al., 2015; Franklin-Smith, 2007
Mare Tatos	2	21	-20.212222	57.772778	terrestrial, bog	-888888	-999999	Gosling et al., 2017
Martins	1	1415	47.710000	-123.540000	lacustrine	0		Gavin et al., 2001
Marys Pond HF	1	26	41.506151	-70.713474	lacustrine	-999999	-999999	Unpublished
Masatjornet	1	841	61.562500	10.267770	lacustrine	3.6	-999999	Birks et al., 2012

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Masoko	2	770	-9.330000	33.750000	lacustrine, volcanic lake	39		Thevenon et al., 2003
Matsabory Ampozalana	1	740	-12.500000	49.150000	terrestrial, bog	-888888	-888888	Burney, 1987
Maxus	1	3	-0.700000	-76.450000	lacustrine, fluvial origin	0		Athens and Ward, 1999
McGinnis	1	256	44.600000	-78.030000	lacustrine	18		Carcaillet et al., 2006
McKay	1	302	57.228333	-111.700000	terrestrial, bog	-888888	-999999	Magnan et al., 2018
McKenzie Road Bog	1	50	-38.430000	146.760000	terrestrial, bog	0.5		Robertson, 1986
McMurray	1	387	56.627778	-111.194167	terrestrial, bog	-888888	-999999	Magnan et al., 2018
MD04-2845	1	-4175	45.350000	-5.210000	marine	-888888	-888888	Daniau et al., 2009
MD95-2042	2	-3146	37.750000	-10.160000	marine	-888888	-888888	Bard et al., 2013; Chabaud et al., 2014; Daniau et al., 2007
MD96-2098	1	-2909	-25.600000	12.630000	marine			Daniau et al., 2013
MD97-2140	1	-2547	2.060000	142.260000	marine	2547		Thevenon et al., 2004
Mechacz Wielki	1	200	54.331974	22.441504	terrestrial, bog	-888888	1.47	Marcisz et al., 2017
Megali Limni	1	323	39.102000	26.321000	lacustrine, drained lake		1.48	Margari et al., 2007; Margari et al., 2009
Mela Swamp	1	20	-9.470000	160.080000	terrestrial, bog	0		Haberle, 1996
Micalong Swamp	1	1100	-35.330000	148.510000	terrestrial, bog	-888888	1	Kemp and Hope, 2014; Kemp, 1993

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Middle Patriarch Swamp	1	19	-39.990000	148.180000	lacustrine, drained lake	-888888		Ladd et al., 1992
Middle Rainbow Lake	1	3001	40.648000	-106.624000	lacustrine	5.8	0.028	Calder et al., 2015
Migneint	1	440	52.820000	-3.820000	terrestrial, mire	-888888	1.2	Ellis and Tallis, 2001
Mildred	1	334	56.930556	-111.475000	terrestrial, bog	-888888	-999999	Magnan et al., 2018
Mill Creek	1	4	-33.400000	151.030000	terrestrial	-777777		Devoy et al., 1994
Mindelsee	1	406	47.755550	9.023050	lacustrine, glacial origin	14	0.99	Rösch et al., 2014; Rösch, 2013
Minnesota Plateau Lake	1	827	62.541794	-146.238431	lacustrine	5.4	0.05	Barrett et al., 2013a
Minnreg Lake	1	-999999	44.690500	-93.319700	lacustrine	-999999	-999999	Marlon and Umbanhowar Jr., 2016n
Misask	3	475	52.724800	-72.212800	terrestrial, fen	-888888	0.102	Primeau and Garneau, 2021
Mista	1	372	50.805900	-63.343200	terrestrial, bog	-888888	0.17	Primeau and Garneau, 2021
Miticka slatina	1	330	48.810000	18.108083	terrestrial, bog	-888888	-999999	Jamrichová et al., 2018
Mizorogaike Pond	1	75	35.058300	135.769400	terrestrial, mire	-888888	0.09	Ogura, 2002; Sasaki and Takahara, 2011
Mlaka	1	150	45.500000	15.121900	terrestrial, marsh	0.1	0.07	Andrič, 2007; Feurdean et al., 2020b
Mobutu Sese Seko Lake Albert	1	619	1.830000	31.160000	lacustrine, tectonic origin	46	5300	Beuning et al., 1997

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Mogielica	1	845	49.665906	20.279906	terrestrial, buried fen	-888888	0.00028	Czerwiński et al., 2020
Mojiaoshan site 01	1	-999999	30.400000	119.990000	archaeological site		-999999	Wang et al., 2017
Mojiaoshan site 02	1	-999999	30.400000	119.980000	archaeological site		-999999	Wang et al., 2017
Molhasul Mare	1	1124	46.590000	22.764200	terrestrial, bog		0.08	Feurdean and Willis, 2008; Feurdean et al., 2020b
Mongan Bog	1	45	53.330000	-7.930000	terrestrial, bog	-888888	6	Barber et al., 2003
Mont Valin	1	356	48.610000	-70.830000	lacustrine	-777777		Couillard et al., 2013
Montezuma Well	1	1125	34.000000	-112.000000	lacustrine	0		Davis and Shafer, 1992
Moon Lake	1	456	46.857601	-98.158626	lacustrine	12.8	0.35	Clark et al., 1996
Moose	1	1508	47.880000	-123.350000	lacustrine	0		Gavin et al., 2001
Moreletta River	1	417	-28.820000	30.990000	-777777	0		Scott, 2002
Morro de Itapeva	1	1850	-22.780000	-45.570000	terrestrial, bog	0		Behling, 1997a
Morts	1	14	50.263300	-63.668300	terrestrial, bog	-888888	-999999	Magnan et al., 2014
Morttjern	1	227	59.059720	11.617770	lacustrine	12	-999999	Birks et al., 2012
Mosaik	2	300	51.985694	-75.385440	terrestrial, bog	-888888	2.67	van Bellen et al., 2012
Mosquito Hollow	1	155	61.851867	37.770283	terrestrial, small hollow	-888888	0.001	Kuosmanen et al., 2014
Motianling peatland	1	1645	47.370000	120.650000	terrestrial, bog		0.5	He et al., 2017

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Mound G Pond Shiloh Indian Mounds	1	143	35.140000	-88.200000	terrestrial, small hollow	0.48		Cridlebaugh, 1984; Delcourt and Delcourt, 1997a; Delcourt and Delcourt, 1997b; Delcourt and Delcourt, 1998; Delcourt et al., 1986; Delcourt et al., 1998; Meeks, 2005
Mount Barr Cirque	1	1376	49.260000	-121.510000	lacustrine	9	0.02	Hallett et al., 2003
Mountain Lagoon	1	604	-33.500000	150.510000	lacustrine	-777777	-777777	Robbie, 1998
Mozgovitsa River	1	1800	41.410000	23.110000	terrestrial, bog	-888888	7e-04	Marinova and Tonkov, 2012; Tonkov, 2003
Mt Constitution C11	1	611	48.659979	-122.833612	terrestrial, small hollow	-888888	-999999	Higuera et al., 2005; Sugimura et al., 2008
Mt Constitution C32	1	611	48.664006	-122.838676	terrestrial, small hollow	-888888	-999999	Higuera et al., 2005; Sugimura et al., 2008
Mt Constitution C38	1	735	48.676420	-122.838074	terrestrial, small hollow	-888888	-999999	Higuera et al., 2005; Sugimura et al., 2008
Mubwindi Swamp	1	2100	-1.080000	29.750000	terrestrial, bog	-888888	-999999	Marchant et al., 1997
Muchang	2	308	43.030000	122.200000	terrestrial, marsh	0		Li et al., 2003; Zhang et al., 2004a
Muellers Rock	1	1102	-35.390000	148.500000	terrestrial, bog	0		Worthy, 2005
Mukhrino Mire	1	35	60.888900	68.702600	terrestrial, bog		10	Lamentowicz et al., 2015
Mulloon Creek Swamp	1	799	-35.396667	149.585000	terrestrial, fen	-888888	0.14	Hope, Unpublished

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Mumbo Lake	1	1860	41.191147	-122.510445	lacustrine	3.2	0.04	Daniels et al., 2005
Murphy Lake St Louis County	1	411	44.710500	-93.341700	lacustrine	7.3	1.6	Marlon and Umbanhowar Jr., 2016o
Mustei Nuur	1	2353	51.239230	99.007560	lacustrine	28	0.34	Robinson and Umbanhowar Jr, 2016b; Robinson, 2007
Mustjarve	1	38.9	59.076944	24.099722	terrestrial, bog	-888888	2.78	Veski, 1998
MV01 (North Quebec)	1	300	56.940000	-74.900000	lacustrine	5.06	0.045	Gajewski, 2019
Myrvatnet	1	197	68.660550	16.381380	lacustrine	4.8	-999999	Bjune et al., 2008
Mythadi Sacred Grove	1	879	12.220278	75.791944	terrestrial, mire	-888888	-999999	Nogué et al., 2017
Na Bahne	1	240	50.198889	15.961389	terrestrial, fen	1	0.01	Pokorný and van der Knaap, 2010; Pokorný et al., 2000
Na mahu	1	290	45.970000	14.538900	lacustrine, drained lake	-888888	160	Andrič et al., 2008; Feurdean et al., 2020b
Naava hollow	3	156	61.241389	25.056111	terrestrial, small hollow	-888888	3e-04	Stivrins et al., 2017a; Stivrins et al., 2019
Nad Dolskym mlynem	1	240	50.852500	14.338889	terrestrial, bog	-888888	5e-04	Abraham, 2006; Pokorný et al., 2008
Nadrau	1	680	-17.750000	177.880000	terrestrial, bog	0.5	1.5	Hope et al., 2009
Nadym frozen mire north of West Siberia	1	50	65.315600	72.874200	terrestrial, mire	-888888	-999999	Blyakharchuk, Unpublished
Nakri	2	48.5	57.895119	26.273144	lacustrine	3.2	0.01	Amon et al., 2011
Nam Co area	1	4718	30.920000	90.880000	terrestrial, mire		-999999	Herrmann et al., 2010

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Nanwangcun	1	10	37.000000	118.000000	terrestrial	-777777		Wang et al., 2003; Wang et al., 2004b
Nar Lake	1	1363	38.370000	34.450000	lacustrine, volcanic lake	26	0.7	Turner et al., 2008
Nataloup	1	515	47.227500	4.035278	terrestrial, bog	-888888	-999999	Jouffroy-Bapicot et al., 2013; Jouffroy-Bapicot, 2010
Native Companion Lagoon	1	20	-27.676040	153.410470	lacustrine	0.5	-999999	Petherick et al., 2008
Navamuno	1	1505	40.321300	-5.778600	terrestrial, bog	-888888	0.14	López-Sáez et al., 2020; Turu et al., 2018
Navarres	1	225	39.100000	-0.683300	terrestrial, bog	-888888	-999999	Carrión and Van Geel, 1999
Navatu	1	4	-18.070000	178.530000	terrestrial, bog	0.5		Hope et al., 2009
NE Yellowstone National Park	1	2250	45.000000	-110.000000	other	-777777		Meyer et al., 1995
Neihuang County	1	57	35.730000	114.770000	archaeological site		-999999	Liu, 2012
Nekkeng	1	9	7.450000	134.520000	terrestrial	0		Athens and Ward, 2005
Nelson Lake	1	211	41.832780	-88.380000	lacustrine, glacial origin	1.2	0.25	Nelson et al., 2006
Neon	1	2875	-8.470000	147.300000	terrestrial, bog	0		Hope, 2009
Neublans	1	205	46.910000	5.340000	terrestrial, fen	-777777		Vannière et al., 2003; Vannière, 2001
Neume	1	363	47.587800	-77.110800	lacustrine	5.5	0.029	Carcaillet and Richard, 2000

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Newall Creek	1	140	-42.070000	145.440000	terrestrial, bog	-888888	-999999	van de Geer et al., 1989
Newnes Swamp	1	1060	-33.382500	150.222200	terrestrial, mire	-888888	-999999	Chalson and Martin, 2009; Chalson, 1991
Ngardmau	1	10	7.600000	134.570000	terrestrial	0		Athens and Ward, 2005
Ngerchau	1	9	7.630000	134.520000	terrestrial	0		Athens and Ward, 2005
Ngerdok	1	25	7.520000	134.600000	lacustrine	4.6		Athens and Ward, 2005
Ngerkell	1	10	7.600000	134.620000	terrestrial	0		Athens and Ward, 2005
Nicole Lake	1	300	62.898592	-114.806868	lacustrine	5.6	0.08	Lynch et al., 2004
Nihewan Basin	1	850	40.110000	114.450000	fluvial		9000	Hu et al., 2015
Niliq Lake	1	270	67.867867	-160.431633	lacustrine	4.3	-999999	Hu and Chipman, 2016; Hu and Chipman, Unpublished
Ninisith Lake	5	225	59.580000	-113.000000	lacustrine	3.2	0.01	Larsen et al., 2000
Noir (Quebec Ontario)	1	176	45.775000	-75.133000	lacustrine	16.2	0.1	Paquette and Gajewski, 2013
Noir Lake	1	-999999	66.002610	-145.926130	lacustrine	15.3	-999999	Kelly et al., 2013
Nong Pa Kho	1	380	17.010000	102.930000	terrestrial, fen	3.5	-999999	Penny and Kealhofer, 2005
Noreikora Swamp	1	1750	-6.330000	145.830000	terrestrial, marsh	0		Haberle and Ledru, 2001
Noricka graba	1	240	46.620000	16.007500	terrestrial, marsh	-888888	0.001	Andrič and Willis, 2003; Feurdean et al., 2020b
North Round Pond	1	317	42.847600	-72.451900	lacustrine	3.4	0.043	Francis and Foster, 2001; Köster and Pienitz, 2006a
North Torbreck	1	564	-37.480000	146.940000	fluvial	0		McKenzie, 2002
Northwest Crater Tower Hill	1	20	-38.310000	142.360000	lacustrine, volcanic lake	0.36	-999999	D'Costa et al., 1989
Northwest Lake	1	331	52.500000	-92.500000	lacustrine	8.1	0.1	Lynch et al., 2004

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Notts Swamp	1	682	-33.809840	150.407700	terrestrial, mire	-888888	-999999	Chalson and Martin, 2009; Chalson, 1991
Novoalexandrovskoye	1	113	55.120000	41.040000	terrestrial, bog		0.17	Feurdean et al., 2020b; Novenko et al., 2016b
Nursery Swamp	1	1092	-35.675567	148.967200	terrestrial, bog	-888888	0.26	Rogers and Hope, 2006
Nussbaumersee	1	450	47.600000	8.810000	lacustrine	8	0.27	Haas and Hadorn, 1998; Hillbrand et al., 2014
NW 1	1	120	61.845917	-122.400000	terrestrial, bog	-888888	-999999	Väliranta and Piilo, Unpublished
O14	1	332	50.028333	-94.824444	lacustrine	8.3	0.07	Waito et al., 2018
O15	1	339	50.008056	-94.982500	lacustrine	3.9	0.062	Waito et al., 2018
O4	1	366	49.757500	-94.877778	lacustrine	7.2	0.146	Waito et al., 2018
O6	1	361	49.821389	-94.783611	lacustrine	3.3	0.063	Waito et al., 2018
Oaks Creek	1	610	-37.580000	146.160000	terrestrial, bog	0		McKenzie, 2002
Oberderdingen-Grossvillars	2	207	49.042500	8.760278	terrestrial, fen	-888888	-999999	Rösch, 2005
Ocate Bog	1	2905	36.241672	-105.150067	terrestrial, bog	-888888	0.002	Hall, 2020
Odersprungmoor	1	811	51.771389	10.567778	terrestrial, fen	-888888	-999999	Gařka et al., 2019
Odessa Lake	1	3051	40.330367	-105.685400	lacustrine	6.9	0.033	Higuera et al., 2014a
ODP Site 820	1	-280	-16.630000	146.300000	marine	-888888	-888888	Moss and Kershaw, 2000
ODP-1144	1	-2037	20.050000	117.410000	marine	2037	-888888	Luo et al., 2001
ODP-668B	1	-3965	-20.920000	4.770000	marine	2693		Bird and Cali, 2002
ODP1078C	1	-426	-11.910000	13.400000	marine	-888888	-888888	Dupont et al., 2008
ODP893A	1	-577	34.280000	-120.030000	marine			Heusser, 1998; Heusser, 2000; Heusser, Unpublished

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Ofuke	1	510	38.640000	135.170000	terrestrial, bog	-888888	-999999	Miyoshi and Takahara, Unpublished
Ojos del Tremendal	1	1650	40.541700	-2.045000	terrestrial, bog	-888888	0.6	Stevenson, 2000
OK Lake	1	108	54.800000	-95.250000	lacustrine	16.4	0.1	Lynch et al., 2004
Okame-ike Swamp	1	712	34.480000	135.930000	terrestrial, mire	1	0.024	Inoue et al., 2012
Okarito Pakihi	1	70	-43.241700	170.216700	terrestrial, bog	-888888	-999999	Newnham et al., 2007b; Vandergoes et al., 2005
Okna	1	277	50.532070	14.675930	terrestrial, fen	-888888	0.12	Bobek et al., 2019
Olbed	1	20	7.500000	134.540000	terrestrial	0		Athens and Ward, 2005
Old Lake Coomboo Depression	1	86.4	-25.230500	153.179900	lacustrine	-777777	-999999	Longmore and Heijnis, 1999; Longmore, 1997
Olga Hollow	1	200	61.201600	37.590500	terrestrial, small hollow	-888888	0.001	Kuosmanen et al., 2014
Oops	1	488	65.440000	-147.630000	lacustrine	-777777		Finney and Krumhardt, 2004
Ortino river basin	4	-777777	68.000000	54.000000	terrestrial, bog	0	-999999	Väliranta et al., 2003
Otter Pond	1	107	42.650000	-72.530000	lacustrine	2.6	0.031	Fuller et al., 1998; Parshall and Foster, 2002
Ours	2	458	54.049780	-72.454060	terrestrial, fen	-888888	0.01	van Bellen et al., 2013
Oygardtjonn	1	665	59.625830	7.986660	lacustrine	12.5	-999999	Birks, 2006
Pancavska louka	1	1336	50.766389	15.541111	terrestrial, bog	-888888	0.28	Speranza et al., 2000b
Panggu Town	1	495	52.550000	123.740000	terrestrial, mire		-999999	Zhao and Li, 2012

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Panther Potholes	1	1100	48.650000	-121.033300	lacustrine	5	0.004	Prichard et al., 2009
Paoay Lake	2	15	18.200000	120.540000	lacustrine	4		Stevenson et al., 2009
Paradox Lake	1	68	60.623074	-150.757767	lacustrine	15.8	0.12	Anderson et al., 2006
Parika	1	48.5	58.490278	25.774167	terrestrial, bog	-888888	34.26	Niinemets et al., 2002
Parizske Mire	2	123	47.870000	18.465300	terrestrial, bog	-888888	-999999	Jamrichová et al., 2014; Jamrichová et al., 2017
Park Pond 1	1	2705	43.468056	-109.959444	lacustrine	0.5	-999999	Lynch, 1998
Park Pond 2	1	2714	43.450000	-109.940000	lacustrine	0.5	-999999	Lynch, 1998
Park Pond 3	1	2739	43.450000	-109.920000	lacustrine	0.5	-999999	Lynch, 1998
Parker Lake	1	276	-12.140000	-69.020000	lacustrine	2	0.33	Bush et al., 2007b
Pas-de-Fond	1	290	48.808300	-78.808300	lacustrine, glacial origin	11	0.02	Carcaillet et al., 2001; Carcaillet et al., 2002; Carcaillet et al., 2006
Path (Nova Scotia)	1	15	45.869000	63.077000	lacustrine	7	0.219	Neil et al., 2014
Patterson Lake Warner Mountains	1	2743	41.386700	-120.223600	lacustrine, glacial origin	-999999	0.12	Minckley et al., 2007
Pechora	1	127	62.000000	52.000000	terrestrial, bog	-777777		Väliranta et al., 2003
Pecker Pond	1	370	42.713300	-71.965000	lacustrine	4.8	0.165	Francis and Foster, 2001
Pemerak Swamp	1	40	0.780000	112.050000	terrestrial, bog	-888888	-999999	Anshari et al., 2001
Pena da Cadela	1	970	42.830000	-7.170000	terrestrial, bog	-888888	0.005	Martínez Cortizas et al., 2002
Pena Negra	1	1000	40.334700	-5.792200	terrestrial, bog	-888888	-999999	Abel-Schaad and López-Sáez, 2012
Penningholmen Lake Uddjaure	1	425	66.030000	17.430000	terrestrial, soil	-888888	-999999	Bradshaw and Zackrisson, 1990

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Penrith Lakes	1	18	-33.710000	150.670000	lacustrine	-777777	-777777	Chalson, 1991
Perch Lake	1	400	68.941494	-150.499372	lacustrine	12.6	0.14	Chipman et al., 2015d; Hu et al., 2011
Petit Lac Bouchard	1	145	48.853900	-64.597800	lacustrine	1.5	0.02	Asnong and Richard, 2003; Carcaillet et al., 2002; Carcaillet et al., 2006
Petresiunai	1	107	55.850000	25.702800	lacustrine	5	0.02	Stančikaitė et al., 2019b
Peyre	1	1100	44.960000	2.710000	terrestrial, mire	-777777		Miras et al., 2006b
Pian di Gembro	1	1350	46.160000	10.150000	terrestrial, fen	-888888	0.625	Pini, 2002
Pian Segna	1	1162	46.180000	8.630000	terrestrial, bog	0		Valsecchi, 2005
Piano	1	1439	46.320000	8.620000	terrestrial, bog		0.002	Valsecchi and Tinner, 2010; Valsecchi et al., 2010
Picea Lake	1	269	65.881620	-145.587680	lacustrine	7.3	-999999	Kelly et al., 2013
Piermont Marsh	1	29	41.000000	-73.916700	terrestrial, marsh		1.1	Pederson et al., 2005
Pimenta Bueno	1	229	-11.816600	-61.166600	terrestrial, soil	0		Ruiz Pessenda et al., 1998
Pine Camp	1	21.4	-34.750000	141.130000	lacustrine, playa	0.2	0.5	Cupper, 2005; Cupper, 2006
Pine hollow	2	155	61.870278	37.993611	terrestrial, small hollow	-888888	1e-06	Stivrins, Unpublished
Pintlar	1	1921	45.840000	-113.440000	lacustrine	0		Brunelle et al., 2005; Brunelle-Daines, 2002
Piston Core RC24-07	1	-3899	-11.910000	1.350000	marine	3899		Verardo and Ruddiman, 1996

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Pixie Lake	1	70	48.595187	-124.197301	lacustrine, glacial origin	-999999	0.053	Brown and Hebda, 2002; Brown et al., 2006
Pla de l'Orri	1	2100	42.500000	1.880000	terrestrial, mire	0		Vannièrre et al., 2001; Vannièrre, 2001
Plaani	1	244	57.676944	27.077222	lacustrine	4.4	0.24	Niinemets and Saarse, 2007b
Plaine	1	34	50.275000	-63.538300	terrestrial, bog	-888888	-999999	Magnan et al., 2014
Plan Bouchet	1	2405	45.240000	6.560000	terrestrial, bog	-777777		Carcaillet et al., 2009; Genries et al., 2009b
Plotnikovo Mire	1	120	56.835520	83.284014	terrestrial, bog		-999999	Feurdean et al., 2019a; Feurdean et al., 2020a
Plum Swamp	1	40	-22.260000	166.610000	terrestrial, bog	0		Stevenson, 1998
Poets Hill	1	600	-41.880000	145.550000	lacustrine, glacial origin	0		Colhoun, 1992
Poiana Stiol	1	1520	47.590000	24.811900	terrestrial, bog	-888888	0.006	Feurdean et al., 2017a; Feurdean et al., 2020b
Poktovik Lake	1	160	68.031778	-161.374722	lacustrine	13.4	0.063	Higuera et al., 2011; Higuera et al., 2014c
Poley Creek	1	630	-37.400000	145.210000	terrestrial, mire	-888888	-777777	Pittock, 1989
Polomovy dul	1	313	50.882869	14.317496	terrestrial, bog	-888888	5e-04	Bobek et al., 2019
Polttiais hollow	3	140	62.275833	36.750833	terrestrial, small hollow	-888888	1e-06	Stivrins et al., 2017a; Stivrins et al., 2019

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Pontes e Lacerda	1	260	-15.260000	-59.210000	terrestrial, soil	0		Marques Gouveia et al., 2002
Porphyry	1	1100	48.900916	-123.835013	lacustrine	-999999	0.0035	Brown and Hebda, 2003
Portage Lake	1	75	60.716667	-150.533300	lacustrine	15.6	0.116	Lynch et al., 2002
Porter Lake	1	73	44.440000	-123.240000	lacustrine	3	0.014	Walsh et al., 2010b
Porto Velho	1	90	-8.350000	-63.950000	terrestrial, soil	-888888	-888888	de Freitas et al., 2001
Poselsky rybnik	1	274	50.544398	14.675370	terrestrial, fen	-888888	0.085	Bobek et al., 2019
Posy Lake	1	2653	37.950000	-111.700000	lacustrine	-999999	-999999	Shafer, 1989
Potrok Aike	2	100	-51.960000	-70.380000	lacustrine, volcanic lake	100	9.46	Haberzettl et al., 2005; Haberzettl et al., 2006
Pout Pond	1	232	43.420000	-71.500000	lacustrine	-777777		Clark and Hussey, 1996
Powelltown	1	168	-37.860000	145.700000	terrestrial, bog	0		McKenzie, 2002
Pozo de la Nieve	1	1600	40.353200	-4.551600	terrestrial, bog	-888888	0.0381	Robles-López et al., 2017
Prapoce	1	480	45.420000	14.122300	terrestrial, marsh	-888888	0.28	Andrič and Willis, 2003; Andrič, 2004; Andrič, 2006b; Feurdean et al., 2020b
Prasilske Jezero	1	1079	49.060000	13.400000	lacustrine	14.8	0.037	Carter et al., 2018
Pravcicky dul	1	382	50.884236	14.296834	terrestrial, bog	-888888	1e-04	Bobek et al., 2019
Profond Lake	1	270	49.861139	-78.613306	lacustrine	20	0.006	Ali et al., 2009
Pryskyricky dul	1	423	50.887778	14.413333	terrestrial, bog	-888888	0.002	Abraham and Pokorný, 2008; Kuneš et al., 2007
Puerto de Serranillos	2	1700	40.307200	-4.934200	terrestrial, bog	-888888	0.024	López-Sáez et al., 2017b

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Puerto del Hambre	1	6.25	-53.600000	-70.910000	terrestrial, bog	-888888	-999999	McCulloch and Davies, 2001
Puerto del Pico	2	1395	40.323300	-5.014500	terrestrial, bog	-888888	2e-04	López-Sáez et al., 2016b
Puerto Haberton	1	20	-54.880000	-67.160000	terrestrial, bog	-777777		Heusser, 1990b
Puerto Octay	4	120	-40.933333	-72.900000	terrestrial, bog		-999999	Moreno, 1993
Puklina	1	386	50.932394	14.439768	terrestrial, small hollow	-888888	1e-04	Bobek et al., 2019
Punta Arenas	1	75	-53.150000	-70.950000	terrestrial, mire	-888888	0.5	Heusser, 1995
Putaanlampi	1	230	66.380000	29.410000	lacustrine	1	0.01	Sarmaja-Korjonen, 1998
Qiaocun village	1	-999999	35.100000	107.500000	archaeological site		-999999	Zhou et al., 2011
Qindeli peat	1	74	47.920000	133.220000	terrestrial, mire	80		Li et al., 2005
Qinghai Lake	2	1885	25.130000	98.570000	lacustrine, volcanic lake	6.3	0.25	Xiao et al., 2017
Qishan County	1	608	32.430000	107.750000	archaeological site		-999999	Tan et al., 2010
Quambie Lagoon	3	20	-12.500000	131.170000	lacustrine	1		Stevenson, Unpublished
Quart du Bois	1	420	46.892500	4.034167	terrestrial, bog	-888888	-999999	Jouffroy-Bapicot et al., 2013; Jouffroy-Bapicot, 2010
Queens Swamp	1	665	-33.900000	150.590000	terrestrial, fen	0		Mooney, Unpublished
Quilichao	1	1020	3.100000	-76.510000	lacustrine	-999999	3	Berrío et al., 2002

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Quoyloo Meadow	2	33	59.060000	-3.310000	terrestrial, mire		0.18	Abrook et al., 2020; Bunting, 1994; Timms et al., 2017; Timms et al., 2019
Rabadilla de Vaca mire	1	2590	-3.974667	-79.117611	terrestrial, bog	-888888	0.6	Rodríguez and Behling, 2010
Radisson	1	174	53.724400	-77.703100	terrestrial, bog	-888888	-888888	Magnan et al., 2012
Raigejebbe Arjeplog	1	480	66.156944	18.213333	lacustrine, glacial origin	5.1	0.004	Carcaillet et al., 2007
Rainbow Lake A	1	225	59.800000	-112.160000	lacustrine	10	0.027	Larsen and MacDonald, 1998; Larsen et al., 2000; Larsen, 1994
Rajus	1	824	12.178611	75.817500	terrestrial, mire	-888888	-999999	Nogué et al., 2017
Raseliniste Jizery	1	843	50.861706	15.301881	terrestrial, bog	-888888	0.03	Bobek et al., 2019
Rasna	1	679	49.227306	15.374528	terrestrial, bog		-999999	Szabó et al., 2017
Ratasjoen	1	1169	62.266660	9.833330	lacustrine, glacial origin	8.3	0.125	Velle et al., 2005
Raven Lake	1	118	68.009028	-162.035694	lacustrine	4.9	0.057	Higuera et al., 2011
Rawa Danau	1	100	-6.183300	105.966700	lacustrine	1	25	Haberle and Ledru, 2001; van der Kaars et al., 2001
Raynald Lake	1	250	49.809278	-78.535833	lacustrine	10.3	0.015	Ali et al., 2009
Red Lake Kobuk Valley	1	-999999	68.081317	-162.121617	lacustrine	8.2	0.03	Higuera, Unpublished; Hu, 2015
Redhead Lagoon	1	65	-32.990000	151.720000	lacustrine	2	-777777	Williams, 2005
Reiarsdalsvatn	1	245	58.326380	7.785830	lacustrine	9.2	-999999	Birks, 2006

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Reidh-lochan	1	160	58.030000	-4.120000	lacustrine, glacial origin	4.57	0.008	Froyd, 2006
Rennix Gap	1	1570	-36.220000	148.300000	terrestrial	0		Hope, Unpublished
Rentukka Hollow	1	150	61.192300	25.152600	terrestrial, small hollow	-888888	0.001	Kuosmanen et al., 2016
Reservoir	1	2161	45.130000	-113.460000	lacustrine	-777777		Clark et al., 2001
Resnikov prekop	2	290	45.970000	14.540000	archaeological site	-888888	-999999	Andrič, 2006a
Reunion Lake	1	306	66.009250	-146.107800	lacustrine	7.7	-999999	Kelly et al., 2013
Rice Lake Ward county	1	620	48.009420	-101.539720	lacustrine	10	0.75	Umbanhowar Jr, 2004
Richard Lake	1	432	50.619417	-74.686083	lacustrine	5.3	0.04	Ali et al., 2012; El-Guellab et al., 2015
Rietvlei Dam	1	112	-29.820000	30.990000	-777777	0		Scott and Vogel, 1983
Rifugio Mondovi	1	1760	44.183333	7.733333	terrestrial, bog	-888888	-999999	Ortu et al., 2003; Ortu et al., 2008
Ringarooma River	4	885	-41.300000	147.610000	terrestrial	0		Dodson et al., 1998
Rio Curua	1	3	-1.730000	-51.450000	fluvial	5	-999999	Behling and da Costa, 2000
Rio Rubens Bog	1	220	-52.137500	-71.881389	terrestrial, bog	-888888	0.25	Huber and Markgraf, 2003; Huber et al., 2004
Robinson Lake	1	-999999	65.971580	-145.699250	lacustrine	8.1	-999999	Kelly et al., 2013
Rock Arch Swamp	1	575	-34.300000	150.390000	terrestrial, fen	0.1		Hope and Macphail, 2005
Rock Lake	1	285	60.416667	-150.250000	lacustrine	5.3	0.03	Lynch et al., 2002
Rockslide Lake	1	1539	49.550849	-117.520880	lacustrine	14.1	0.032	Gavin et al., 2006
Rojkov	1	472	49.150000	19.155000	terrestrial, bog	-888888	-999999	Jamrichová, Unpublished

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Romaine	1	24	50.294700	-63.715700	terrestrial, bog	-888888	-999999	Magnan et al., 2014
Romoty	1	119	53.800000	22.632800	lacustrine, drained lake		13.36	Mirosław-Grabowska et al., 2015
Rotten Swamp	2	1445	-35.700000	148.883300	terrestrial, fen	-888888	0.28	Clark, 1986; Hope and Clark, 2008
Rouge-Tougjarv	1	109	57.738889	26.905000	lacustrine	17	0.044	Veski et al., 2005
Round Lake Mount Zirkel	1	3071	40.473000	-106.663000	lacustrine	11.83	0.062	Calder et al., 2015
Round Pond	1	548	44.000000	-74.000000	lacustrine	-777777		Clark et al., 2001
Round Pond Truro	1	4	41.971000	-70.011000	lacustrine	7.5	0.016	Oswald et al., 2020; Parshall et al., 2003
Ruby Lake (COHMAP2k)	1	330	45.266667	-91.450000	lacustrine	3	0.129	Gajewski et al., 1985
Rue des Boiteux-Rue d'Argent	1	17	50.850000	4.350000	terrestrial, bog	-888888	-999999	Marinova et al., 2021
Ruila	2	43.8	59.175833	24.429722	lacustrine	0.9	0.46	Poska and Saarse, 2002a
Rumuiku Swamp	1	2154	-0.185800	37.919300	lacustrine	0.5	0.018	Rucina et al., 2009
Ruppert Lake	1	230	67.071111	-154.245833	lacustrine, glacial origin	-999999	0.03	Higuera et al., 2009
Rusaka Swamp	1	2070	-3.430000	29.610000	terrestrial, bog	-888888	-999999	Bonnefille et al., 1995
Ryans Swamp	1	8	-35.090000	150.390000	terrestrial, bog	1		Radclyffe, 1993
Rynholec	1	478	50.129444	13.929722	terrestrial, bog	1	0.03	Pokorný, 2005

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Sacramento Mountains	1	2400	32.840000	-105.700000	terrestrial, soil	0		Frechette, 2007; New, 2007
Sacred Lake	1	2350	0.040000	37.520000	lacustrine	5	0.51	Wooller et al., 2000
Sagistalsee	1	1953	46.680000	7.980000	-777777			Wick et al., 2003b
Saint Louis Lac	1	3	-22.230000	166.550000	terrestrial, bog	-999999	-999999	Stevenson, 2004
Sakhare	1	800	41.580000	45.310000	lacustrine, playa	0.5	0.1	Connor, 2006
Salitre	1	970	-19.000000	-46.760000	terrestrial, soil	0		Ruiz Pessenda et al., 2001; Ruiz Pessenda et al., 2004
Salmo Lake	1	866	60.445555	-133.561389	lacustrine	8	-999999	Edwards et al., 2015
San Joaquin Marsh	1	2	33.650000	-117.850000	lacustrine	-999999	-999999	Davis, 1992
Sand Beach Lake	1	3140	40.218767	-105.601800	lacustrine	9.3	0.049	Higuera et al., 2014a
Sands of Time	1	256	66.028500	-147.549000	lacustrine	10	0.7	Edwards, Unpublished
Sandy Hill Pond	1	16	41.689600	-70.364800	lacustrine	3	0.024	Oswald et al., 2020; Parshall et al., 2003
Sandynallah	2	2200	11.443056	76.635278	terrestrial, fen	-999999	0.057	Kavil et al., 2021
Sanger Lake CA	1	1547	41.900000	-123.640000	lacustrine	7.19		Briles et al., 2008
Sanjiang Plain HE	1	71	47.580000	133.500000	terrestrial, bog	0.5	-999999	Zhang et al., 2015
Sanjin Nuur	1	2250	51.231830	99.023280	lacustrine	17.4	0.08	Robinson and Umbanhowar Jr, 2016c; Robinson, 2007
Santa Maria	1	17	-1.570000	-53.600000	lacustrine	0		Bush et al., 2007a
Sao Francisco de Assis	1	100	-29.580000	-55.210000	terrestrial, mire	0		Behling et al., 2005
Sapphire Swamp	1	1260	-30.030000	151.560000	terrestrial, bog	0		Dodson et al., 1986

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Saquinho	1	480	-10.400000	-43.210000	terrestrial, fen	-999999	-999999	de Oliveira et al., 1999
Saracuri	1	18	-1.670000	-53.570000	lacustrine, fluvial origin	0	-999999	Bush et al., 2007a
Sari	1	67	-16.630000	179.500000	terrestrial, bog	0.5		Hope et al., 2009
Sarup So	1	-888888	55.200000	10.060000	lacustrine	4.1	0.036	Bjerring et al., 2012
Savkarrs mosse	1	65	59.160000	18.300000	terrestrial, bog	-888888	0.05	von Stedingk, 1999
Sayram Lake	1	2071.9	44.580000	81.150000	lacustrine	86	453	Jiang et al., 2012
Scotty Lake	1	305	54.710000	-101.680000	lacustrine	10	0.12	Lynch et al., 2004
Screaming Lynx Lake	1	276	66.068150	-145.404400	lacustrine	7.4	0.035	Kelly et al., 2013
Sears HF	1	2	40.884500	-72.578300	lacustrine	-999999	0.061	Oswald et al., 2018; Oswald et al., 2020
Seba	1	807	53.476111	-114.878611	terrestrial, bog	-888888	-999999	Magnan et al., 2018
Seedorf	1	609	46.795220	7.040450	lacustrine	7.5	0.135	Richoz et al., 1994; Richoz, 1998
Selikhovo	1	209	53.230000	35.770000	terrestrial, bog		0.01	Feurdean et al., 2020b; Novenko et al., 2016a
Semenic	1	1500	45.180000	22.059444	terrestrial, bog		-999999	Rösch and Fischer, 2000
Serra Campos Gerais	2	1200	-24.660000	-50.210000	terrestrial, bog	-888888	0.07	Behling, 1997b
Serra da Bocaina	1	1500	-22.740000	-44.550000	terrestrial, bog	-777777		Behling et al., 2007
Serra do Tepequem	1	635	3.792011	-61.704331	terrestrial, soil			Rodríguez-Zorro et al., 2017a
Seven Lake	1	307	43.613705	-88.143562	lacustrine	7	0.1	Long et al., 2011b

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Seven Lake Mount Zirkel	1	3276	40.896000	-106.681000	lacustrine	5.75	0.032	Calder et al., 2015
Shanghai City	1	6	31.130000	120.910000	fluvial		-999999	Itzstein-Davey et al., 2007
Sharkey Lake	1	305	44.590000	-93.410000	lacustrine, glacial origin	15	0.28	Camill et al., 2003; Geiss et al., 2003; Umbanhowar Jr et al., 2006
Shenjiadian peatland, Sanjiang Plain	1	-999999	46.580000	130.660000	terrestrial, bog		-999999	Gao et al., 2014
Shishou City	1	-999999	29.850000	112.570000	lacustrine, fluvial origin	20	-999999	Gao, 2017
Shuangchi Lake	1	40	19.940000	110.190000	lacustrine, volcanic lake	1	0.02	Dodson et al., 2019
Shuizhuyang peat bog	2	1007	26.770000	119.030000	terrestrial, bog	-888888	-999999	Ma et al., 2018b
Shuttle	1	276	59.846160	-97.635100	lacustrine	3.31	0.957	Umbanhowar Jr et al., 2021
Siberia	1	2920	-17.833333	-64.718889	terrestrial, bog	-888888	0.2	Mourguiart and Ledru, 2003
Sidlings Copse	1	53	51.782709	-1.193905	terrestrial, fen	-888888	-999999	Day, 1991
Sierra de Gador	1	1530	36.900000	-2.916700	lacustrine, drained lake	-888888	0.14	Carrión et al., 2003
Siesta Lake	1	2430	37.850000	-119.660000	lacustrine	1.35	0.13	Brunelle and Anderson, 2003
Siles Lake	1	1320	38.400000	-2.500000	lacustrine	3.5	0.0027	Carrión, 2002
Siroki Nyirjes To	1	200	47.926352	20.183213	terrestrial, fen	-888888	0.009	Gardner, 2002
Skanso	1	8	56.509377	8.828720	lacustrine	8.5	0.115	Odgaard, 1994

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Sky Lake	1	145	56.483601	-94.787937	lacustrine	5	0.12	Lynch et al., 2004
Slack Lake Michigan	1	282	42.871670	-83.610420	lacustrine	9.45	0.19	Ballard, 2009
Slough Creek Pond	1	1884	44.910000	-110.340000	lacustrine	-999999	-999999	Whitlock and Bartlein, 1993
Slowinskie Blota Bog	1	20	54.580000	16.920000	terrestrial, bog	-888888	-999999	de Vleeschouwer et al., 2009
Small Lake, Ontario	1	478	49.581111	-90.385556	lacustrine	3.9	0.005	Senici et al., 2013
Smygen Bay Blekinge coast	1	-1	56.150000	15.116700	coastal, estuarine	1.4	-888888	Yu et al., 2005
Snobs Creek	1	775	-37.550000	145.920000	terrestrial, bog	0		McKenzie, 1997
Snowy Flats	1	1618	-35.565500	148.864167	terrestrial, bog	-888888	0.12	Hope et al., 2005
Soleve	1	2	-17.250000	-179.490000	terrestrial, bog	0.5	-999999	Clark and Hope, 1997
Solomons Jewel Lake	1	1185	-41.800000	146.260000	lacustrine	-999999	-999999	Dodson, 2001
Solso	1	41	56.128367	8.613735	lacustrine	6.5	0.02	Odgaard, 1994
Sondambile	1	2850	-6.340000	147.110000	lacustrine, glacial origin	4.8		Haberle et al., 2005
Sonenuma Swamp	1	86	35.230000	136.190000	lacustrine	2	0.2	Hayashi et al., 2012; Inoue et al., 2005
Song Mu Ping Swamp (Jinggang Mountains)	1	1269	26.580000	114.080000	fluvial		-999999	Huang et al., 2014
SONNE95	1	-1727	20.110000	117.380000	marine	-888888	-888888	Sun et al., 2000
Soppensee	1	596	47.091667	8.083333	lacustrine, glacial origin	27	0.24	Lotter, 1999; Tinner et al., 2005
South Fork Payette	1	1984	44.200000	-115.500000	other	-777777		Pierce et al., 2004

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South Salvation Creek Swamp	1	132	-33.630000	151.250000	terrestrial, fen	0		Kodela and Dodson, 1988
Spearman	1	368	46.543900	-78.502800	lacustrine	1.5	0.031	Carcaillet and Richard, 2000
Spring Lake	1	262	48.577778	-80.880722	lacustrine	-999999	5.33	Senici et al., 2013; Shapley et al., 2005
Spruce Pond	1	223	41.239400	-74.204167	lacustrine	5	0.026	Maenza-Gmelch, 1997a; Maenza-Gmelch, 1997b
St Francois	1	358	48.290000	-72.140000	lacustrine	-777777		Blarquez et al., 2015; Richard, Unpublished
Stara jimka	1	1129	49.068764	13.402947	lacustrine, drained lake	-888888	0.04	Bobek et al., 2019
Stavsakra Bog	1	187	57.024167	14.813056	terrestrial, bog	-888888	0.02	Greisman and Gaillard, 2009
Stazki bog	1	195	54.430000	18.084400	terrestrial, bog		-999999	Gałka et al., 2013
Steel Lake, Hubbard County	1	425	46.973100	-94.683700	lacustrine, glacial origin	21	0.23	Nelson et al., 2003
Steerenmoos	1	1000	47.816700	8.183300	terrestrial, bog	-888888	0.2	Rösch, 2000
Steeve Lake	1	548	51.939972	-68.155333	lacustrine	3.5	0.034	Remy et al., 2017
Stereoiu	1	790	47.810000	23.540000	-777777			Björkman et al., 2003; Feurdean, 2005
Sterne	2	304	52.045388	-75.158944	terrestrial, bog	-888888	1.72	van Bellen et al., 2012
Stockyard Swamp Hunter Island	1	65	-40.550000	144.750000	terrestrial, bog	0.1		Hope, 1999

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Stoll (Quebec Ontario)	1	303	44.967000	-77.283000	lacustrine	5	0.37	Keizer et al., 2015
Storasjo	1	225	56.933330	15.266670	lacustrine	-999999	0.025	Olsson and Lemdahl, 2010; Olsson et al., 2010
Storm Creek	1	1177	-37.444170	145.800600	terrestrial, fen	-888888	0.2	McKenzie, 1997
Storsandvatnet	1	106	63.457500	8.454440	lacustrine	0.7	-999999	Birks et al., 2012
Stubno-Naklo	1	186	49.863056	22.968889	lacustrine, drained lake	-888888	0.1	Kořaczek et al., 2018b
Studencheskoe	1	124	55.266400	40.201400	terrestrial, bog	0.2	0.27	Feurdean et al., 2020b; Kupriyanov and Novenko, 2019
Subei Basin	1	50	33.400000	119.550000	terrestrial		32800	Chen, 2017
Sudenpesa Hollow	1	167	61.183300	25.150000	terrestrial, small hollow	-888888	0.001	Clear et al., 2015
Sugun Lake	1	198	62.080000	129.480000	lacustrine	1.6	0.48	Katamura et al., 2009b
Sulphur (Yukon)	2	847	60.959000	-137.852000	lacustrine	10	1.5	Gajewski et al., 2014
Summit Lake Mount Zirkel	1	3149	40.545000	-106.682000	lacustrine	5.85	0.019	Calder et al., 2015
Sundown Swamp	1	10	-41.160000	144.660000	terrestrial, bog	0		Hope, 1999
Sungai Buluh	1	18	-1.236110	103.620000	terrestrial, bog	-888888	180	Hapsari et al., 2018
Super Cub Lake	1	486	62.296611	-145.347172	lacustrine	4.7	0.03	Barrett et al., 2013a
Supulah Hill	1	1580	-4.110000	138.960000	terrestrial, bog	1	-888888	Haberle et al., 1991; Hope, 1998
Surucucho	2	3180	-3.060000	-78.000000	lacustrine	14	-777777	Colinvaux et al., 1997

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Surusoo	1	43	58.529722	22.423056	terrestrial, bog	-888888	1.08	Veski, 1998
Sutherland Pond	1	380	41.391400	-74.037700	lacustrine	2.57	0.0405	Maenza-Gmelch, 1997a
Svartvatnet	1	183	63.351380	8.877770	lacustrine	10	-999999	Birks et al., 2012
Swamp Lake Yosemite	1	1554	37.950000	-119.816667	lacustrine	20	0.08	Smith and Anderson, 1992
Swift Lake Michigan	1	286	42.885200	-83.622810	lacustrine	9.75	0.02	Ballard, 2009
Tadpole Swamp	1	60	-38.130000	145.270000	terrestrial, bog	0		Aitken and Kershaw, 1993
Tagamaucia	1	820	-16.490000	-179.560000	lacustrine	2		Hope, 1996b
Taibai Lake	2	10	30.000000	115.810000	lacustrine	1.5	28.98	Tong et al., 2009
Taihu Lake	1	1.3	30.980000	120.580000	terrestrial		24.2	Li, 2014
Tajga	1	817	50.026100	12.680355	terrestrial, bog	-888888	0.65	Bobek et al., 2019
Takhilt Nuur	1	1502	48.806400	96.806200	lacustrine	5.4	4.82	Umbanhowar Jr et al., 2009
Talita Kupai	2	33	-10.100000	142.120000	coastal, estuarine	0		Rowe, 2006a
Tashkol Lake Ulagan plateau	1	2150	50.450000	87.670800	lacustrine, glacial origin	6.25	-999999	Blyakharchuk et al., 2004
Taul Muced	1	1340	47.573900	24.544600	terrestrial, bog		0.015	Feurdean et al., 2015; Feurdean et al., 2020b
Tawney (Quebec Ontario)	1	276	44.817000	-77.183000	lacustrine	3	0.02	Keizer et al., 2015
Taylor Lake CA	1	1979	41.361440	-122.968648	lacustrine	9.45	0.05	Briles et al., 2011
Taylor Lake, Oregon	1	4	46.100556	123.906667	lacustrine	4.5	0.04	Long and Whitlock, 2002
Tea Shettigeri	1	820	12.046667	75.975556	terrestrial, mire	-888888	-999999	Nogué et al., 2017
Tea Tree Swamp	3	900	-37.210000	148.830000	terrestrial, fen	-888888	0.2	Gell et al., 1993

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Teal Lake Colorado	1	2689	40.583000	-106.608000	lacustrine	13.09	0.061	Calder et al., 2015
Teici bog	1	114	56.622408	26.440808	terrestrial, bog	-888888	144	Stivrans et al., 2017b; Stivrans, Unpublished
Tempest Lake Yukon	1	-999999	69.942250	-159.383300	lacustrine	4.8	0.115	Higuera, Unpublished; Hu, 2015
Three Creeks Lake	1	1996	44.090000	-121.620000	lacustrine		0.31	Long et al., 2014; MacDonald et al., 1991
Thunder Lake	1	3231	40.221900	-105.647283	lacustrine	12	0.06	Higuera et al., 2014a
Tiago Lake Mount Zirkel	1	2700	40.579000	-106.613000	lacustrine	15	0.042	Calder et al., 2015
Tiam Point	1	3	-10.120000	142.180000	coastal, salt marsh	-888888	-999999	Rowe, 2006a; Rowe, 2007
Tianchi Lake	1	2430	35.260000	106.310000	lacustrine	8.2	0.02	Zhao et al., 2010
Tianluoshan site	1	-999999	30.020000	121.380000	archaeological site		-999999	Ma et al., 2018a
Tiavatnet	1	464	63.059720	9.416940	lacustrine	7	-999999	Birks et al., 2012
Tiger Snake Swamp	1	60	-38.130000	145.270000	terrestrial, fen	0		Aitken and Kershaw, 1993
Tisice	1	160	50.236944	14.532778	lacustrine, fluvial origin	-888888	0.01	Dreslerová et al., 2004; Pokorný and Kuneš, 2005; Pokorný, 2005
Todd Lake	1	1875	44.020000	-121.680000	lacustrine			Long et al., 2011b
Tom Burns	2	1075	-37.385560	145.818100	terrestrial, mire	-888888	0.2	McKenzie, 1997
Tom Gregory Swamp	1	1024	-35.648330	148.830500	terrestrial, bog	-888888	0.013	Hope, 2005
Tompuda bog	1	459	55.130000	109.760000	terrestrial, bog	-888888	-999999	Krivonogov et al., 2004; Ogura et al., Unpublished
Tonquin Creek	2	1935	52.733333	-118.366667	terrestrial, bog	-888888	-999999	Kearney and Luckman, 1983a; Kearney and Luckman, 1983b

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Torbiera del Biecai	1	1920	44.200000	7.700000	terrestrial, bog	-888888	-999999	Ortu et al., 2008
Torres del Paine	1	100	-51.080000	-73.060000	lacustrine	1	0.01	Heusser, 1995
Torveraz	1	2345	45.695696	6.863743	terrestrial, bog	-888888	-999999	Millet et al., 2008; Miras et al., 2006a
Tourbiere de La Lande	1	1040	43.560000	2.960000	terrestrial, bog	-888888	-999999	Pulido, 2006
Tourbiere des Narses Morte	1	1400	44.430000	3.600000	terrestrial, bog	-888888	-999999	Pulido, 2006
Tourbiere du Peschio	1	1370	44.450000	3.600000	terrestrial, bog	-888888	-999999	Pulido, 2006
Toushe Basin	2	650	23.820000	120.880000	terrestrial, bog		1.75	Huang et al., 2020a; Huang et al., 2020b; Huang et al., 2020c
Trail	1	2362	44.280000	-110.170000	lacustrine	0		Whitlock et al., 2003
Trebol Lake	1	758	-41.070000	-71.490000	lacustrine	10.5	0.4	Whitlock et al., 2006
Trettetjorn	1	810	60.716700	7.000000	lacustrine	7.5	0.008	Bjune et al., 2005; Bjune, 2005
Trikatas lake	2	50	57.541160	25.714468	lacustrine	4	0.13	Stivrins et al., 2015a
Trygasen	1	549	61.770000	13.300000	terrestrial, fen	0		Segerström, 1997
Tsagaan Nuur	1	1382	48.911800	94.867000	lacustrine	6.6	12.42	Umbanhowar Jr et al., 2009
Tsavkisi	1	1100	41.680000	44.710000	terrestrial, bog	0.5	0.03	Connor and Kvavadze, 2005; Connor, 2006
Tsogtoo Nuur	1	2063	51.345630	98.897360	lacustrine	4	0.38	Robinson and Umbanhowar Jr, 2016d; Robinson, 2007
Tswaing Crater	1	1100	-25.415800	28.100600	lacustrine	3	0.4	Partridge et al., 1997; Scott et al., 2008; Scott, Unpublished
Tubilla del Lago	1	900	41.808400	-3.572700	terrestrial, bog	-888888	0.05	Morales-Molino et al., 2017b

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Tugupugua	1	2300	-5.660000	142.610000	terrestrial, fen	0		Haberle and Ledru, 2001
Tumalo Lake	1	1536	44.040833	-121.903056	lacustrine	-999999	0.07	Long et al., 2011a
Tungak Lake	1	25	61.427200	-164.200617	lacustrine	15.4	1.17	Chipman et al., 2015b; Chipman et al., 2015d
Tuqiang Town	1	468	52.940000	122.860000	terrestrial, mire		-999999	Xin and Yiyin, 2015
Turbuta	1	275	47.372500	23.498600	lacustrine, drained lake		0.015	Feurdean et al., 2007
Turtle Lake	1	80	49.327300	-124.961100	lacustrine	10	0.15	Brown et al., 2006
Tuskegee Pond	1	240	35.580000	-84.210000	lacustrine	0.4		Cridlebaugh, 1984; Delcourt and Delcourt, 1997a; Delcourt and Delcourt, 1997b; Delcourt and Delcourt, 1998; Delcourt et al., 1983; Delcourt et al., 1986; Delcourt et al., 1998; Meeks, 2004; Meeks, 2005
Twin Lake	1	376	50.952472	-74.575333	lacustrine	5.7	0.029	El-Guellab et al., 2015
Two Hill Lake	1	200	55.980000	-97.280000	lacustrine	16	0.1	Lynch et al., 2004
Tyrendarra Swamp	1	13	-38.190000	141.760000	terrestrial, marsh	0.3	0.12	Builth et al., 2008
Uchugrak	1	216	68.052056	-161.726278	lacustrine	9.2	0.092	Higuera et al., 2011; Higuera et al., 2014d
Umpawaug HF	1	138	41.306100	-73.449700	lacustrine	-999999	0.053	Oswald et al., 2018; Oswald et al., 2020
Uncle Seth's HF	1	13	41.433100	-70.664700	lacustrine	-999999	0.046	Oswald et al., 2018; Oswald et al., 2020

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Union Lake Rice County	1	306	44.461100	-93.307400	lacustrine	3	1.61	Marlon and Umbanhowar Jr., 2016q
Unit Lake	1	249	59.404000	-97.493000	lacustrine	11.4	0.644	Camill et al., 2012a; Camill et al., 2012b
Upper Capsule Lake	1	800	68.628600	-149.413528	lacustrine	5.7	0.011	Chipman et al., 2015c; Chipman et al., 2015d
Upper Rocket Creek Bog	2	1710	47.040000	-115.880000	terrestrial, mire		-999999	Benson and Mensing, Unpublished
Upper Squaw Lake	1	930	42.030000	-123.010000	lacustrine	14.1	0.072	Colombaroli and Gavin, 2010
UpperFly (Yukon)	2	1326	61.040000	-138.090000	lacustrine	4	0.105	Gajewski et al., 2014
Utikuma	1	675	56.076389	-115.475278	terrestrial, bog	-888888	-999999	Magnan et al., 2018
Uzunkol Lake	1	1985	50.483300	87.108300	lacustrine, glacial origin	5.9	-999999	Blyakharchuk et al., 2004
Vaike Juusa	2	122	58.050000	26.500000	lacustrine	6	0.03	Kangur, 2009; Punning et al., 2005
Valle di Castiglione	1	44	41.891700	12.759700	lacustrine, drained lake	0	0.8	Alessio et al., 1986; Magri, 2004
Valle do Lobo Ribeira de Carcavai	2	2.3	37.057965	-8.074734	coastal, estuarine	-888888	-888888	Schneider et al., 2010; Schneider et al., 2016
Valle Pequeno	1	2520	-3.975000	-79.073611	terrestrial, bog	-888888	0.08	Rodríguez and Behling, 2010
Vapsko-2	1	2120	42.070000	23.524500	terrestrial, bog	-888888	0.002	Feurdean et al., 2019b; Feurdean et al., 2020b
Vargas Lake	1	246	-12.370000	-68.890000	lacustrine	2	0.8	Bush et al., 2007b
Vedruka	1	21	58.330278	22.060556	terrestrial, bog	-888888	0.9	Poska and Saarse, 2002b

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Vega Nandu	1	200	-50.930000	-72.760000	terrestrial, mire	-888888	-999999	Villa-Martínez and Moreno, 2007
Velise	1	26.4	58.756667	24.460278	terrestrial, bog	1	0.32	Veski, 1998
Velke ohbi	1	528	50.604057	16.127125	terrestrial, bog	-888888	0.02	Bobek et al., 2019
Verdeospesoa	1	1015	43.055000	-2.861400	terrestrial, bog	-888888	0.000516	Pérez-Díaz and López-Sáez, 2017; Pérez-Díaz and López-Sáez, 2019
Verijarv	1	90	57.808333	27.058333	lacustrine	19.3	0.25	Niinemets and Saarse, 2006
Verny des Brulons	1	565	47.317778	4.122778	terrestrial, bog	-888888	-999999	Jouffroy-Bapicot et al., 2013; Jouffroy-Bapicot, 2010
Vesijako Hollow	1	160	61.383300	25.033300	terrestrial, small hollow	-888888	0.001	Clear et al., 2013
Vestre Oykjamyrtnorn	1	570	59.816700	6.000000	lacustrine	8	0.018	Bjune et al., 2005; Bjune, 2005
Viitna Pikkjarv	2	76.5	59.446389	26.010556	lacustrine	4.2	0.16	Saarse et al., 1998
Vilamora Ribeira de Quarteira	2	3.5	37.085422	-8.136923	coastal, estuarine	-888888	-888888	Schneider et al., 2010; Schneider et al., 2016
Villaverde	1	870	38.800000	-2.366700	terrestrial, fen	-888888	1	Carrión et al., 2001a
Villebois	3	272	49.421100	-79.003000	terrestrial, bog	-888888	-999999	Magnan et al., 2020
Vinillos	2	2090	-0.591412	-77.858561	terrestrial	-888888	-999999	Loughlin et al., 2018a
Vlcek	1	769	50.039798	12.731939	terrestrial, fen	-888888	0.165	Bobek et al., 2019
Voli Voli	1	2	-18.160000	177.480000	terrestrial, bog	0.5	0.2	Dickinson et al., 1998
Vrbka	1	189	50.386660	14.130550	terrestrial, bog	-888888	-999999	Pokorný, 2016

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Vunimoli	1	251	-18.220000	177.880000	terrestrial, bog	0.5		Hope et al., 2009
Vuoskkujarvi	1	384	68.345550	19.100000	lacustrine	18	0.68	Bigler et al., 2002
Wadi Shallalah	2	385	32.590000	35.940000	fluvial	0	-999999	Cordova, 2008
Wadian village	1	-999999	34.190000	113.400000	archaeological site		1.06	Li et al., 2017
Waikaremoana	1	582	-38.774500	177.112400	lacustrine, tectonic origin	248	56	Newnham et al., 1998
Waitabu	1	43	-18.230000	-178.780000	other	0.5		Latham et al., 1983
Walker Lake	1	950	48.529101	-124.003118	lacustrine	-999999	0.0038	Brown and Hebda, 2003
Wanda	1	440	-2.330000	121.230000	terrestrial, bog	0	0.05	Hope, 2001
Wanum	1	35	-6.630000	146.790000	lacustrine	3.5		Haberle et al., 2005
Ware HF	1	4	42.482500	-70.882500	lacustrine	-999999	0.011	Oswald et al., 2018; Oswald et al., 2020
Warner Lake	1	590	44.240000	-122.950000	lacustrine	18	0.155	Walsh et al., 2010b
Warrananga	1	22	-33.970000	141.560000	lacustrine, salt lake, permanent	0.2		Cupper, 2005; Cupper, 2006
Warrimoo Swamp	1	195	-33.720000	150.610000	terrestrial, mire	-888888	-999999	Chalson and Martin, 2009; Chalson, 1991
Waruid	2	5	-10.400000	142.090000	coastal	0.5	-999999	Rowe, 2006a; Rowe, 2007
Weinan	1	650	34.060000	109.000000	terrestrial, loess	0		Wang et al., 2005
Wentworth Lake	1	47	48.016667	-124.533333	lacustrine	27	0.19	Gavin and Brubaker, 2015
Werth Lake	1	302	-11.740000	-69.230000	lacustrine	1.5	0.25	Bush et al., 2007b
West Crazy Lake	1	-999999	65.891420	-145.621950	lacustrine	6.1	-999999	Kelly et al., 2013

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
West Lomond	1	522	56.250000	-3.280000	terrestrial, bog	-888888	-999999	Edwards and Whittington, 1997
West Olaf Lake	1	402	46.610000	-96.180000	lacustrine	18	0.58	Nelson et al., 2003
Westside HF	1	390	41.855600	-73.256600	lacustrine	-999999	0.157	Oswald et al., 2018; Oswald et al., 2020
Wet Lagoon	1	700	-34.805000	149.452925	terrestrial, bog	-888888		Dodson, 1986
Whale Lake Mount Zirkel	1	3059	40.556000	-106.675000	lacustrine	11.48	0.039	Calder et al., 2015
Whitehaven Swamp	1	45	-20.300000	148.900000	terrestrial, fen	1.1	-999999	Genever et al., 2003
Whyac Lake	1	15	48.672200	-124.844400	lacustrine, glacial origin	-999999	0.025	Brown and Hebda, 2002; Brown et al., 2006
Wickett Pond	1	330	42.570000	-72.431670	lacustrine	2.25	0.115	Francis and Foster, 2001
Wilcox Pass	2	2355	52.241667	-117.216667	terrestrial	-888888	-999999	Beaudoin and King, 1986; Beaudoin and King, 1990; Beaudoin, 1984
Wild Tussock Lake	1	290	67.128000	-151.382000	lacustrine, glacial origin	-999999	0.15	Higuera et al., 2009
Wildcat Lake	1	67	37.960000	-122.780000	lacustrine	8.65	-999999	Scott and Woodborne, 2007
Wilder See am Ruhstein	1	910	48.569700	8.236900	lacustrine, glacial origin	11.5	0.021	Rösch, 2009
Wildes Meadow Swamp	1	670	-34.620000	150.510000	terrestrial, fen	0		Kodela, 1996
Wildseemoor bei Kaltenbronn	2	909	48.719700	8.458900	lacustrine	-999999	0.0115	Rösch, 2007

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Wildwood Lake	1	5	40.892000	-72.673300	lacustrine	18	0.26	Oswald et al., 2010; Oswald et al., 2020
Wilson Bog	1	425	-34.970000	138.690000	terrestrial, bog	0		Buckman et al., 2009
Windy Lake	1	-999999	66.041690	-145.754710	lacustrine	11.6	-999999	Kelly et al., 2013
Wingecarribee Swamp	1	685	-34.560000	150.510000	terrestrial, fen	0		de Montford, 2008
Wonderkrater	2	1100	-24.433600	28.751900	archaeological site		-999999	McCarthy et al., 2010; Scott et al., 2003; Scott et al., 2008; Scott, 2002
Worimi Swamp	1	8	-32.510000	152.330000	terrestrial, bog	0.1		Mooney and Maltby, 2006
Wulan Pond	1	-999999	45.150000	121.950000	terrestrial, bog		76	He et al., 2015
Wyelangta	1	450	-38.647220	143.461400	fluvial	-888888	-999999	McKenzie and Kershaw, 2000
Xere Wapo	3	220	-22.290000	166.970000	lacustrine	2	0.85	Stevenson and Hope, 2005; Stevenson et al., 2010
Xiadawu	1	3988	35.000000	99.260000	archaeological site		-999999	Zhao et al., 2016
Xialu peatland	1	-999999	21.300000	109.820000	terrestrial, bog		-999999	Xue et al., 2015
Xiang'ao village	1	5	30.010000	121.370000	archaeological site		-999999	Wang et al., 2010
Xiangcheng County	1	-999999	33.950000	113.480000	terrestrial, loess		-999999	Mu et al., 2017
Xiaoshan district, Hangzhou	1	-999999	30.150000	120.220000	fluvial		-999999	Shu et al., 2010
Xindi Lake	1	240	67.111667	152.491667	lacustrine, glacial origin	-999999	0.07	Higuera et al., 2009

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Xindian, Guanzhong Basin	1	608	34.380000	107.800000	terrestrial, loess		-999999	Li et al., 2009
Xingyun Lake	1	1723	24.330000	102.770000	lacustrine	7.3	34.329	Ji et al., 2018
Xinwopu Village	1	-999999	34.570000	109.530000	terrestrial, loess		-999999	Mu et al., 2016
Xishan relic site	2	130	34.910000	113.530000	terrestrial, loess	0		Wang et al., 2004a
Xishuangbanna	1	900	21.500000	101.500000	terrestrial, fen	1		Gu et al., 2007
Xujianan	1	1620	35.500000	106.000000	-777777	0		Huang et al., 2006
Xujiannian	1	1620	35.400000	105.800000	archaeological site		-999999	Huang et al., 2006
Yacata Pond	1	2	-17.150000	-179.510000	terrestrial, bog	0.5	-999999	Hope et al., 2009
Yaguaru	1	195	-15.600000	-63.210000	lacustrine	1.1		Taylor et al., 2010; Taylor, 2005
Yahoo Lake	1	710	47.683333	-124.016667	lacustrine	18	0.037	Gavin et al., 2013
Yaila-Crimea	1	1205	44.480000	34.050000	terrestrial	0		Cordova and Lehman, 2005
Yaksha2	2	140	61.700000	55.570000	terrestrial, mire	-888888	0.04	Barhoumi et al., 2019
Yaksha3	2	130	61.730000	55.490000	terrestrial, mire	-888888	0.024	Barhoumi et al., 2019
Yamaska	1	265	45.457800	-72.871900	lacustrine	3.5	0.002	Carcaillet and Richard, 2000
Yangjiawan paleosoil	1	1219	39.460000	110.170000	other	0		Xu et al., 2002
Yano	1	40	7.380000	134.540000	terrestrial	0		Athens and Ward, 2005
Yao He Cun, Guanzhong Basin	1	850	35.450000	109.750000	terrestrial, loess		-999999	Tan et al., 2013
Yaouk Swamp	1	1100	-35.490000	148.500000	lacustrine, drained lake	0	2.55	Keaney and Hope, 2003

Site name	Entities (#)	Elevation (m)	Latitude (°)	Longitude (°)	Site Type	Water depth (m)	Basin size (km ²)	Citation(s)
Yawi Ti	1	1150	-6.610000	143.880000	terrestrial, bog	0		Haberle, 2007
Yelle	1	356	48.503900	-79.637800	lacustrine	-999999	0.032	Carcaillet and Richard, 2000
Ylimmainen Kuivajarvi	1	255	66.350000	29.616700	lacustrine	1.5	0.18	Sarmaja-Korjonen, 1998
Yuanchi (Changbai Mountains)	1	1282	42.000000	128.400000	terrestrial, bog		4.04	Gao et al., 2016
Yucheng village	1	-999999	29.670000	111.660000	terrestrial		-999999	Tan et al., 2017
Zadeikiai Bog	1	120	56.170000	21.980000	terrestrial, bog	-888888	1.92	Stančikaitė et al., 2003
Zagas Nuur	1	2376	48.506100	90.609900	lacustrine	15.9	0.64	Umbanhowar Jr et al., 2009
Zahaji	1	232	50.379444	14.115556	terrestrial, fen	-888888	-999999	Pokorný et al., 2010; Pokorný, 2005
Zeller See	1	577	48.002222	9.646667	lacustrine, glacial origin	3.6	0.033	Rösch and Marinova, 2020
Zhongzhouzi Lake	1	-999999	29.800000	112.750000	lacustrine, fluvial origin	4	-999999	Gao, 2017
Zhouyuan Qishan Mountain	1	-999999	34.430000	107.750000	terrestrial, loess		-999999	Han, 2000
Zofinsky prales	1	785	48.664442	14.705347	terrestrial, small hollow	-888888	0.009	Bobek et al., 2018
Zoige Basin	1	3467	33.450000	102.630000	terrestrial, bog		4500	Zhao et al., 2017b
Zurath Islet Swamp	2	3	-10.160000	142.060000	terrestrial, bog	-888888	-999999	Rowe, 2006a; Rowe, 2007

SI Table 2. List of pre-defined valid choices for restricted fields in the Reading Palaeofire Database version 1 (RPDv1).

Table	Field	Valid choices
date_info	age_used	no yes not known not recorded
	date_type	AMS Annual laminations Archaeological dating Cs Hiatus IRSL Known Fire Liquid Scintillation Counting OSL Other Palaeomagnetic date Pb Pollen correlation Publication date used as estimate of top of core age (1950 AD = 0) Radiocarbon date Stratigraphic correlation Tephra TL Top of core known Uranium Thorium dating not known not recorded

	material_dated	aquatic plant macrofossil archaeological artifact bulk sediment bulk sediment, calcareous deposits bulk sediment, calcite bulk sediment, diatomaceous bulk sediment, gyttja bulk sediment, minerogenic bulk sediment, organic lake deposits bulk sediment, peat charcoal feldspar foraminifera organic matter other pollen shells soil terrestrial plant macrofossil undifferentiated plant macrofossil wood not applicable not known not recorded
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	reason_age_not_used	age reversal age too old age too young contamination suspected inconsistent with other dates infinite age not included in original age model other probably reworked redeposited reworked small sample not applicable not known not recorded
entity	core_location	central core marginal core not applicable not known not recorded

	depositional_context	archaeological bog sediment buried organic sediment buried surface estuarine sediment fluvial/alluvial sediment lake sediment loess marine sediment other small hollow soil not known not recorded
	measurement_method	Acidification of sample using gas chromatography to measure elemental carbon (Verardo et al., 1990) Charcoal particles identified by imaging software Charcoal particles identified in thin slides (soil micromorphology) Charcoal separated by heavy liquid preparation Cumulative probability (95% confidence interval) alluvial soil charcoal GRAVIMETRIC chemical assay (Winkler method) Hand picked charcoal from soil samples Other Pollen slide Sieved not known not recorded

	source	Arctic Data Center Author digitized from publication EPD Global Charcoal Database Version 3 Global Charcoal Database Version 4 Global Charcoal Database Web version IMPD Neotoma NOAA Pangaea
	TYPE	charcoal area concentration count influx other per unit weight pollen concentration raw count
model_name	model_name	BACON_INTCAL13 BACON_INTCAL20 Calib 5.0.2 CalPal 2007 HULU curve CLAM Clam2.2_INTCAL13 Fairbanks0107 layer counting linear interpolation mixed effects regression other OxCal P_Sequence Poisson-process Bayesian model polynomial interpolation

		smoothing spline interpolation not known not recorded
site	basin_size_class	very large (more than 500 km ²) large (50.1-500 km ²) medium (1.1-50 km ²) small (0.01-1 km ²) very small (less than 0.01 km ²) not applicable not known not recorded
	catch_size_class	large (more than 500 km ²) medium (10.1-500 km ²) small (less than 10 km ²) not applicable not known not recorded
	flow_type	closed - no inflow or outflow in and out flow inflow only outflow only not applicable not known not recorded

	site_type	archaeological site coastal coastal, estuarine coastal, salt marsh fluvial lacustrine lacustrine, drained lake lacustrine, fluvial origin lacustrine, glacial origin lacustrine, playa lacustrine, salt lake, permanent lacustrine, tectonic origin lacustrine, thermokarst origin lacustrine, volcanic lake marine terrestrial terrestrial, bog terrestrial, buried fen terrestrial, fen terrestrial, loess terrestrial, marsh terrestrial, mire terrestrial, mound spring or spring terrestrial, small hollow terrestrial, soil other not known not recorded
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SI Table 3: List of charcoal measurement units currently used in the reading Palaeofire Database version 1

UNIT
% BC concentration
% concentration of pollen sum <40µm
% concentration of pollen sum >20µm
% dry weight
% of pollen sum
% of pollen sum <125µm
% of pollen sum <25µm
% of pollen sum >120µm
% of pollen sum >25µm
% of pollen sum 25-80µm
% of pollen sum 5-150µm
% of pollen sum 5-50µm
% of pollen sum 50-200µm
% of sample >125µm
% total organic fraction
<180µm x 10 ⁴ relective graminoid cuticle area
25-50 µm ml-1
50-100 µm ml-1
area >150µm mm-2 cm-3
area >160µm mm-2 cm-3
area >180µm mm-2 cm-3
area >180µm mm-2 ml-1
area 10-150µm µm-2 cm-3
area 45-95µm µm-2 cm-3
area 65-180µm mm-2 cm-3
area cm-2 yr-1
area cm-3
area ml-1

area mm-2 g-1
charcoal concentration
charcoal probability
cm-2 cm-3
cm-2 ml-1
concentration
cumulative probability (95 % CI) for alluvial fan soil charcoal
Delta 13C soil charcoal
fragments
fragments 10-125µm
fragments 10-150µm
fragments 10-150µm cm-3
fragments 10-50µm cm-3
fragments 5-150µm
fragments 5-200µm cm-3
fragments <100µm
fragments <100µm cm-3
fragments <120µm
fragments <120µm cm-2 yr-1
fragments <120µm cm-3
fragments <125µm
fragments <125µm cm-2 cm-3
fragments <125µm cm-2 yr-1
fragments <150µm
fragments <150µm cm-3
fragments <25µm
fragments <25µm cm-2
fragments <40µm
fragments <40µm (concentration)
fragments <50µm (concentration)
fragments <50µm cm-2 yr-1

fragments <50µm g-1
fragments > 160µm cm-3
fragments >1000µm
fragments >1000µm cm-2 yr-1
fragments >1000µm cm-3
fragments >100µm
fragments >100µm cm-2
fragments >100µm cm-2 yr-1
fragments >100µm cm-3
fragments >100µm g-1
fragments >10µm
fragments >10µm (concentration)
fragments >10µm cm-2 yr-1
fragments >10µm cm-3
fragments >10µm g-1
fragments >125µm
fragments >125µm cm-2 yr-1
fragments >125µm cm-3
fragments >125µm g-1
fragments >125µm ml-1
fragments >150µm
fragments >150µm (ordinal scale 0 to 8)
fragments >150µm cm-2 yr-1
fragments >150µm cm-3
fragments >150µm g-1
fragments >15µm
fragments >15µm cm-3
fragments >160µm cm-2 yr-1
fragments >180µm
fragments >180µm cm-2 yr-1
fragments >180µm cm-3

fragments >180µm ml-1
fragments >1mm
fragments >200µm
fragments >200µm cm-3
fragments >20µm g-1
fragments >24µm
fragments >250µm
fragments >250µm cm-2 yr-1
fragments >250µm cm-3
fragments >250µm ml-1
fragments >25cm-3
fragments >25µm
fragments >30µm
fragments >30µm cm-2 yr-1
fragments >355µm
fragments >37µm
fragments >40µm (concentration)
fragments >500µm
fragments >500µm cm-2 yr-1
fragments >50µm
fragments >53µm
fragments >5µm (concentration)
fragments >5µm g-1
fragments >6µm
fragments >8µm ml-1
fragments 0-25µm ml-1
fragments 0.5cm-3
fragments 10-100µm cm-2 yr-1
fragments 10-100µm cm-3
fragments 10-150µm cm-2 yr-1
fragments 10-150µm ml-1

fragments 10-160µm cm-3
fragments 100-150µm cm-2 yr-1
fragments 100-150µm ml-1
fragments 100-200µm (concentration)
fragments 12-20µm
fragments 120-250µm cm-2 yr-1
fragments 125-250µm
fragments 125-250µm cm-2 yr-1
fragments 125-250µm cm-3
fragments 125-250µm ml-1
fragments 14-24µm
fragments 150-500µm
fragments 150-500µm (concentration)
fragments 2-150µm cm-2 yr-1
fragments 20-60µm ml-1
fragments 25-50µm (concentration)
fragments 25-50µm ml-1
fragments 30-100µm (concentration)
fragments 38-63µm cm-2 yr-1
fragments 5-50µm (concentration)
fragments 50-100µm cm-2 yr-1
fragments 50-100µm g-1
fragments 50-100µm ml-1
fragments 50-125µm g-1
fragments 50-150µm cm-3
fragments 50-250µm cm-3
fragments abundance scale
fragments cm-2
fragments cm-2 g-1
fragments cm-2 yr-1
fragments cm-3

fragments g-1
fragments g-1 m-2 yr-1
fragments g-1 yr-1
fragments ml-1
fragments:pollen (C:P ratio)
fragments:pollen (C:P ratio) >20µm
fragments:pollen (C:P ratio) 10-180µm
g-1 100g-1
g-1 cm-2 yr-1
g-1 m-2 yr-1
mg-1 g-1
mm-2
mm-2 100g-1
mm-2 cm-2
mm-2 cm-2 kyr-1
mm-2 cm-2 yr-1
mm-2 cm-3
mm-2 g-1
mm-2 ml-1
ordinal scale (Oz charcoal standardized)
other
Oxidation Resistant Elemental Carbon OREC % of dry wieght
parts per million
point count <10µm cm-2 cm-3
point count <50µm cm-2 cm-3
point count >20µm cm-2 cm-3
point count >50µm
point count cm-2 cm-3
point count cm-3 yr-1
point count mm-2 cm-3
pollen concentration µm-2 (area:pollen ratio)

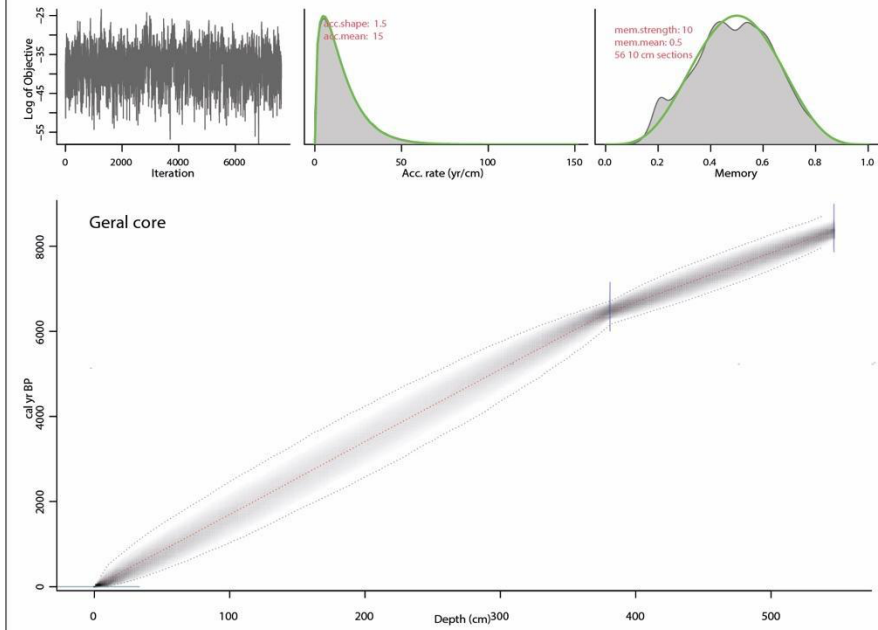
pollen slide
presence absence
Total Charcoal when multiple fragment size counts exist
weight >2mm kg-1
$\mu\text{m-1 cm-2 yr-1}$
$\mu\text{m-2 cm-2 yr-1}$
$\mu\text{m-2 cm-3}$
$\mu\text{m-2 g-1}$
$\mu\text{m-2 ml-1}$
not known

SI Figure 1. Summary of the stages used to select the optimum RBacon age models for from ageR. Plots A.-C. show the modelling output from ageR for an example entity from the RPD (Geral core), where the optimum age model selected by ageR A. is a table ranking the age model scenarios by the lowest area between the prior and posterior accumulation rate curves. Note that only the top 5 model scenarios of a total of 25 run for this entity are listed B. Shows the plots for the prior and posterior accumulation rates and the area between curves for the top 5 model scenarios. C. Is the top ranked RBacon age model (Accumulation rate = 15, thickness = 10) which was visually checked to verify that the interpolation through the dates was valid and consistent with the dates. In this example, the top ranked model scenario selected by ageR (Accumulation rate = 15, thickness= 10) was accepted as the chosen model scenario as the interpolation through the dates is valid.

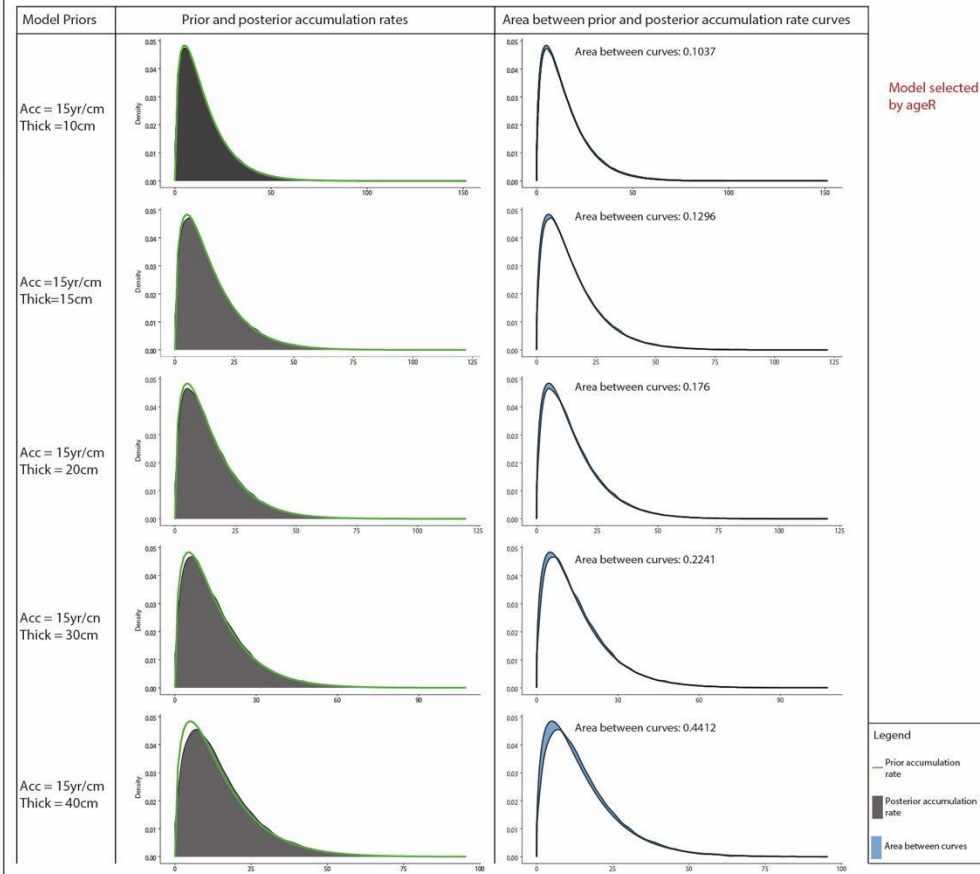
A. Models ranked by AgeR using the area between prior and posterior accumulation rate curves (top 5 models of 25 shown)

AgeR model ranking	acc. Rate	thickness	area between curves
1	15	10	0.1037
2	15	15	0.1296
3	15	20	0.1760
4	15	30	0.2241
5	15	40	0.4412

C. Final visual inspection of selected model to assess validity of interpolation against date information.



B. Plots showing the area between prior and posterior accumulation rate curves (abc).

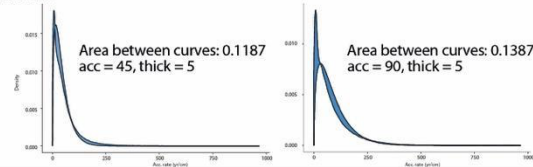


SI Figure 2. An example of alternative model scenario selection where the top ranked ageR model scenario is deemed to be inaccurate. In this example, the top ranked model scenario from King Tableland Swamp (accumulation rate = 45, thickness = 5)(A.) with the lowest area between the prior and posterior accumulation rate curves (B.) does not accurately represent the date at 157.5cm. This age was included by the original authors and lies in stratigraphic order with the other dates. Therefore, this model is rejected in favour of the model with the next lowest abc score which accurately reflects the dates included (ageR model ranking 3 in A.). The RBacon plot for this age model scenario is shown in D. (accumulation rate = 90, thickness = 5) and is more accurately and precisely modelled through the dates than the model selected by ageR.

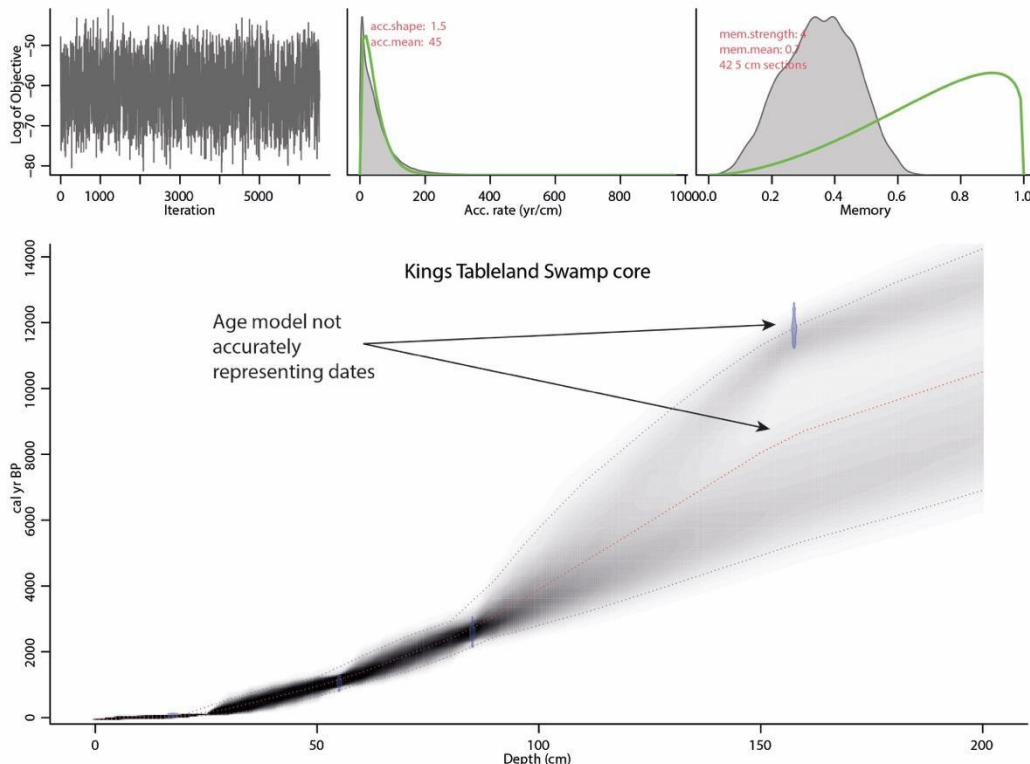
A. Model scenarios ranked by AgeR using area between prior and posterior accumulation rate curves (top 5 models of 33 shown)

AgeR model ranking	acc. Rate	thickness	abc	Model selection
1	45	5	0.1187	ageR selection
2	40	5	0.1319	
3	90	5	0.1387	manual selection
4	35	5	0.1581	
5	60	5	0.1586	

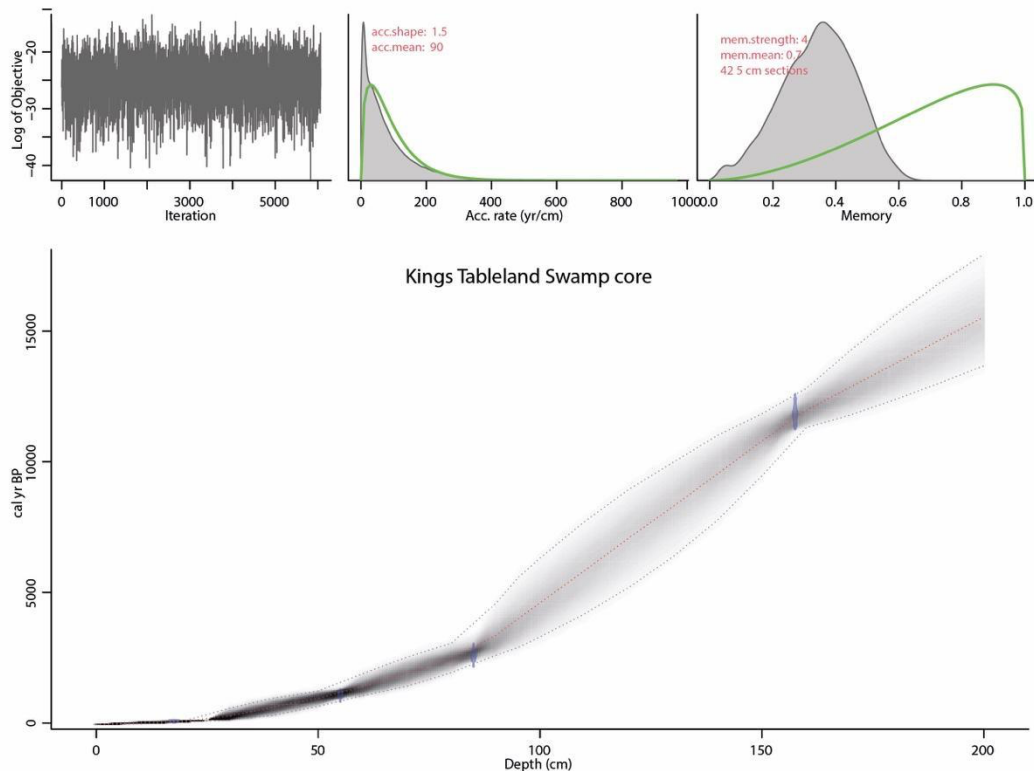
B. abc in the scenario chosen by ageR (left) and the scenario manually selected



C. RBacon model for ageR selected model (acc=45, thick = 5).



D. RBacon model for manually selected model (acc=90, thick = 5).



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