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Supplement of

Gridded pollen-based Holocene regional plant cover in temperate and northern subtropical China suitable for climate modelling

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Supplementary material

Table S.1: Metadata for all sites/pollen records used in this study. Reference: see the end of Appendix C for full references. Data type: Raw: raw data from a database or data contributors; Digit.= Pollen percentages and the sum of pollen counts digitized from publications and converted into pollen counts. No. of dates: The capital letter indicate the dated material, A: terrestrial plant macrofossil; B: charred terrestrial plant macrofossil; C: non−terrestrial plant macrofossil; D: bulk peat and/or gyttja; E: bulk lake marl; F: bulk organic matter from fluvial, loess, and paleo−soil deposits; G: shell and animal remains; H: unknown (modified from Li et al., 2020)

Vegetation Zones	Site Groups	Site ID	Site name	Lat. (° N)	Long. (° E)	Eleva. (m)	Province	Site area (ha)	Site radius (m)	Basin type	Data type	Dating method	No. of dates	Timespan (cal ka BP)	Resn. (yrs)	Reference (see the end of Appendix for full reference)
II	Gr1	1	Beidawan	48.13	134.7	60	Heilongjiang	7.7	157	Bog	Raw	^{14}C	3H	5.5−0.5	350	Xia, 1988a
		2	Chuangye	48.33	134.47	50	Heilongjiang	1	56	Bog	Raw	^{14}C	3H	11.8−1	400	Xia, 1988a
		3	Minzhuqiao	47.53	133.87	52	Heilongjiang	1	56	Bog	Raw	^{14}C	3H	6.5−0.5	420	Xia, 1988a
		4	Qindeli	47.88	133.67	52	Heilongjiang	1	56	Bog	Raw	^{14}C	6H	13.5−0.5	380	Xia, 1988a
		5	Xingkai Lake	45.21	132.51	69	Heilongjiang	438000	37339	Lake	Digit.	^{14}C	3H	27.7−0	100	Ji et al., 2015
	Gr2	6	Tangbei	48.35	129.67	486	Heilongjiang	1	56	Bog	Raw	^{14}C	3D	5.5−1	160	Xia, 1996
		7	Harbaling	43.63	129.2	600	Jilin	1	56	Bog	Raw	^{14}C	3H	2.8−0.1	150	Xia, 1988b
		8	Jinbo Lake	43.77	128.45	350	Heilongjiang	9000	5352	Lake	Digit.	^{14}C	7H	12.3−0	55	Li et al., 2011

	Gr3	9	Sihailongwan Lake	42.28	126.6	797	Jilin	42.6	368	Lake	Raw	^{14}C	40A	16.9−0.1	60	Stebich et al., 2015
		10	Jinchuan	42.35	126.38	620	Jilin	1	56	Bog	Digit.	^{14}C	7A	5.5−0	105	Li Y.H. et al., 2003a
VI	Gr4	11	Dashan	44.88	124.85	200	Jilin	1	56	Bog	Raw	^{14}C	5D	7.5−1	160	Xia et al., 1993
		12	Xiaonan	43.88	125.22	209	Jilin	1	56	Bog	Raw	^{14}C	3H	5.5−0	290	Wang and Xia, 1988
	Gr5	13	Charisu	42.95	122.35	249	Inner Mongolia	1	56	Bog	Digit.	^{14}C	8A+2B	5.5−0	170	Li Y.H. et al., 2003b
		14	Maili	42.87	122.88	155	Liaoning	1	56	Bog	Digit.	^{14}C	7D	3.2−0	115	Ren and Zhang, 1997
		15	Qiganhu Lake	42.9	119.3	600	Inner Mongolia	190.19	778	Lake	Raw	^{14}C	7E	12.0−6.7	40	Hu et al., 2016
		16	Wangyanggou	42.07	119.92	751	Inner Mongolia	12.56	200	Lake	Digit.	^{14}C	7F	5.2−0	85	Li et al., 2006
	Gr6	17	Hulun Nur lake_1995	49.28	117.4	544	Inner Mongolia	233900	27286	Lake	Raw	^{14}C	7H	19.0−0.5	190	Yang et al., 1995
		18	Hulun Nur lake_2006	49.13	117.51	545	Inner Mongolia	232900	27228	Lake	Raw	^{14}C	13E	11.0−0	65	Wen et al., 2010
	Gr7	19	Bayanchagan Lake	41.65	115.21	1355	Inner Mongolia	1500	2185	Lake	Raw	^{14}C	7E+2C	11.5−0	250	Jiang et al., 2006
		20	Gaoximage Lake	42.95	115.37	1253	Inner Mongolia	9600	5528	Lake	Digit.	^{14}C	4E	5.8−0	150	Li C.Y. et al., 2003

		21	Haoluku Lake	42.96	116.76	1295	Inner Mongolia	1384	2099	Lake	Digit.	^{14}C	4E	11.5−0	250	Wang et al., 2001
	Gr8	22	Daihai Lake_2004	40.58	112.67	1220	Inner Mongolia	16000	7136	Lake	Digit.	^{14}C	8E	11.5−0	215	Xiao et al., 2004
		23	Diaojiaohaizi Lake	41.3	112.35	1800	Inner Mongolia	30	309	Lake	Raw	^{14}C	4H	11.5−2.5	95	Song et al., 1996
	Gr9	24	Baahar Nuur Lake	39.32	109.27	1278	Inner Mongolia	2210	2652	Lake	Digit.	^{14}C	5E	8.5−0	70	Huang et al., 2009
		25	Qigai nuur Lake	39.5	109.5	1408	Inner Mongolia	500	1262	Lake	Raw	^{14}C	17E	11.7−0.1	50	Sun et al., 2013
	Gr10	26	Ganhai Lake	38.89	112.19	1854	Shanxi	0.76	49	Lake	Digit.	^{14}C	5H	13.5−0	300	Meng et al., 2007
		27	Gonghai Lake	38.9	112.23	1860	Shanxi	36	339	Lake	Raw	^{14}C +Pb/Cs	19A	14.6−0	20	Chen et al., 2015
	Gr11	28	Tianchi Lake	35.26	106.31	2430	Gansu	0.2	25	Lake	Raw	^{14}C	19 A	6.3−0	90	Zhao et al., 2010
	Gr12	29	ATM C4	48.81	86.91	1774	Xinjiang	1	56	Bog	Raw	^{14}C	NA	11.0−0	40	Zhao et al., unpublished
		30	ATM C6	48.12	86.36	2446	Xinjiang	1	56	Bog	Raw	^{14}C	NA	11.0−0	120	Zhao et al., unpublished
III	Gr13	31	Cangumiao	38.97	118.6	70	Hebei	9	169	Bog	Raw	^{14}C	3H	5.5−0	150	Xu et al., 2002
	Gr14	32	Maohebei	39.5	119.17	50	Hebei	1	56	Bog	Raw	^{14}C	4H	11.8−4	380	Li and Liang, 1985

IV	Gr15	33	Boyiqiao	31.81	119.97	7	Jiangsu	1	56	Bog	Raw	^{14}C	6H	11.8−0	200	Shu et al., 2007
		34	Chaohu Lake	31.56	117.39	10	Anhui	76000	15554	Lake	Raw	^{14}C	7E	9.8−0	100	Wu et al., 2008
		35	Chaohu Lake	31.53	117.37	10	Anhui	76000	15554	Lake	Raw	^{14}C	3A+2B+4E+2G	11.0−0	180	Chen et al., 2009
		36	Dianshanhu Lake	31.08	120.97	2	Shanghai	1	56	Lake	Digit.	^{14}C	4E	6−0.5	240	Zhao B.C. et al., 2007b
		37	Gucheng Lake	31.28	118.9	6	Jiangsu	3900	3523	Lake	Raw	^{14}C	4H	17−2	30	Yang et al., 1996
		38	Pingwang	30.96	120.64	1.6	Jiangsu	0.3	31	Lake	Digit.	^{14}C	1A+1B+3E	9.0−1.3	150	Innes et al., 2014
	Gr16	39	Dajiuhu bog	31.75	110.67	1700	Hubei	3600	3385	Bog	Digit.	^{14}C	4H	14−0	400	Liu H.P. et al., 2001
		40	Dajiuhu_2013	31.49	110	1751	Hubei	3600	3385	Bog	Raw	^{14}C	2A+3D+2F	40.9−0	270	Li et al., 2013
	Gr17	41	Miancheng	30.18	113.22	24	Hubei	7.2	151	Lake	Raw	^{14}C	4H	9.5−0.5	50	Yang et al., 1998
		42	Zhoulao	29.82	112.88	31	Hubei	1	56	Lake	Digit.	^{14}C +Pb/Cs	3H	5−1.5	60	Gu, 2004
	Gr18	43	Dahaizi Lake	27.83	102.67	3660	Sichuan	15	219	Lake	Digit.	^{14}C	3H	14.5−0	405	Li and Liu, 1988
		44	Shayema Lake	28.58	102.22	2400	Sichuan	4	113	Lake	Digit.	^{14}C	5H	13.5−0	150	Tang and Shen., 1996

		45	Nantun	26.7	104.23	2197	Guizhou	1	56	Bog	Digit.	^{14}C	7ADF	12.5−0.5	200	Chen P.Y. et al., 1991
	Gr19	46	Haligu Lake	27	100.18	3277	Yunnan	4.7	122	Lake	Digit.	^{14}C	4E	8.8−0	220	Song et al., 2012
		47	Tiancai Lake	26.63	99.72	3898	Yunnan	0.25	28	Lake	Digit.	^{14}C +Pb/Cs	15A+3E	12.0−0	50	Xiao et al., 2014
		48	Erhai Lake	25.77	100.2	1974	Yunnan	14980	6905	Lake	Digit.	^{14}C	7E	13−0	190	Zhou et al., 2003
	Gr20	49	Xingyun Lake	24.34	102.78	1722	Yunnan	3470	3323	Lake	Raw	^{14}C	8H	8.5−0	200	Chen et al., 2014
	Gr21	50	Naleng Co	31.11	99.76	4200	Xizang	162.8	720	Lake	Raw	^{14}C	16E	18−0	90	Kramer et al., 2010
		51	Yidun Lake	30.3	99.55	4470	Sichuan	24.08	277	Lake	Digit.	^{14}C	3E	13.5−0	380	Shen et al., 2006
		52	Ren Co	30.73	96.68	4450	Xizang	370	1085	Lake	Digit.	^{14}C	7A	19−0	470	Tang et al., 1999
VII	Gr22	53	Hurleg Lake	37.28	96.9	2817	Qinghai	5740	4274	Lake	Raw	^{14}C	7A	12.5−0	210	Zhao Y. et al., 2007
		54	Qingtuhu	39.07	103.61	1302	Qinghai	10000	5642	Lake	Raw	^{14}C	2B+3E	7.5−0	90	Zhao et al., 2008
		55	Sanjiaocheng	39.01	103.34	1320	Gansu	1	56	Lake	Digit.	^{14}C	3B+9F	11.5−7	100	Zhu et al., 2002
		56	Zhuye Ze	39.05	103.67	1309	Gansu	10000	5642	Lake	Raw	^{14}C	7E + 6G	13−0	210	Li et al., 2009

	Gr23	57	Dalianhai Lake	37.91	100.41	2850	Qinghai	224.84	846	Lake	Raw	^{14}C	11H	14.6−0	70	Cheng et al., 2013
		58	Luanhaizi Lake	37.59	101.35	3200	Qinghai	150	691	Lake		^{14}C +U/Th	4C+4G+4	22−0	540	Herzschuh et al., 2005
		59	Qinghai Lake	36.67	100.52	3200	Qinghai	418600	36503	Lake	Raw	^{14}C	6H	19.5−0	70	Liu et al., 2002
	Gr24	60	Juyan Lake	41.89	101.85	892	Inner Mongolia	72000	15139	Lake	Raw	^{14}C	5E	10.5−1.5	140	Herzschuh et al., 2004
		61	Sugan lake	38.83	93.75	2793	Qinghai	10600	5809	Lake	Raw	varve counting	every year	2.5−0	15	Zhang et al., 2010
	Gr25	62	Balikun	43.62	92.8	1575	Xinjiang	11300	5997	Lake	Digit.	^{14}C	1A+10E	37−0	115	Tao et al., 2009
		63	Dongdaohaizi Lake	44.7	89.56	430	Xinjiang	20	252	Lake	Raw	^{14}C	8H	5.5−0	85	Yan et al., 2004
	Gr26	64	Aibi Lake	44.9	82.58	200	Xinjiang	55200	13255	Lake	Digit.	^{14}C	8E	11.5−0	60	Wang et al., 2013
		65	Manas Lake	45.83	85.92	251	Xinjiang	55000	13231	Lake	Raw	^{14}C	7H	13.5−1	210	Sun et al., 1994
		66	Wulungu Lake	47.22	87.3	479	Xinjiang	92700	17178	Lake	Raw	^{14}C +Pb/Cs	6E	8.9−0	80	Liu et al., 2008
	Gr27	67	Bosten Lake	41.97	86.55	1050	Xinjiang	100000	17841	Lake	Digit.	^{14}C	5H	13−0	420	Xu, 1998
		68	Bosten Lake	41.93	86.67	1050	Xinjiang	100000	17841	Lake	Raw	^{14}C	NA	8.3−0	60	Huang et al., unpublished

		69	Caotanhu	44.42	86.02	380	Xinjiang	2760	2964	Bog	Raw	^{14}C	5D	8.5−0	150	Zhang Y. et al., 2008
	Gr28	70	Swan Lake	43.05	84.38	2541	Xinjiang	50	399	Lake	Raw	^{14}C	3A+5E	8.5−0	170	Huang et al., 2015
	Gr29	71	Sayram Lake	44.5	81.08	2071.9	Xinjiang	45800	12074	Lake	Raw	^{14}C	12E	13.8−0.1	90	Jiang et al., 2013
	Gr30	72	Niya River	37.73	82.77	1373	Xinjiang	1	56	Bog	Raw	^{14}C	4F	3.5−0	170	Shu, 2001
	Gr31a	80	Dongi Cona	35.22	98.33	4090	Qinghai	22416.32	8447	Lake	Raw	^{14}C	12E	18.9−1.1	250	Wang et al., 2014
		81	Kucha Lake	34.01	97.24	4540	Qinghai	1596.36	2254	Lake	Raw	^{14}C	4A	15−0	250	Herzschuh et al., 2009
		82	Kuhai Lake	35.52	99.31	4150	Qinghai	4850	3929	Lake	Raw	^{14}C	3A+10E	20−0	330	Mischke et al., 2010
	Gr31b	73	Ximen Co	33.38	101.47	4020	Xizang	380	1100	Lake	Raw	^{14}C	10E	19−0	200	Herzschuh et al., 2014
		74	Zoige_RH	33.95	103.35	3400	Sichuan	460000	38265	Bog	Digit.	^{14}C	3H	11.0−0.1	480	Tang and Shen, 1996
		75	Hongyuanbai River	32.8	102.53	3500	Sichuan	1	56	Bog	Raw	^{14}C	5H	10.5−0.5	230	Wang, 1987
		76	Wasong	32.99	103.05	3490	Xizang	1	56	Bog	Digit.	^{14}C	9F	22−4.5	450	Yan et al., 1999
		77	ZB08c1	33.45	102.63	3467	Sichuan	460000	38265	Bog	Raw	^{14}C	9B	10.3−0	70	Zhao et al., 2011

		78	Zoige_DC	33.9	102.55	3396	Sichuan	460000	38265	Bog	Raw	^{14}C	3H	19−4.5	190	Liu et al., 1995
		79	Zoige_RM	33.95	102.35	3401	Sichuan	460000	38265	Bog	Raw	^{14}C	5H	11.8−0	250	Shen et al., 1996
	Gr32	83	Hidden Lake	29.81	92.54	4980	Xizang	6.05	139	Lake	Digit.	^{14}C	3A+4B	13.0−0	450	Tang et al., 1999
		84	Ngion Co	30.47	91.5	4515	Xizang	6130	4417	Lake	Digit.	^{14}C	2C+10E	6.5−0	115	Shen et al., 2008
		85	Qongjiamong Co	29.81	92.37	4980	Xizang	7.75	157	Lake	Digit.	^{14}C	3C+19G	14.5−0	180	Shen, 2003
		86	Wumaqu	30.53	91.38	4370	Xizang	1	56	Bog	Raw	^{14}C	3D	12−3.5	440	Wang et al., 1988
		87	Ahung Co	31.62	92.07	4450	Xizang	237.97	870	Lake	Digit.	^{14}C	6B+50C	8.5−3.5	230	Shen, 2003
		88	Selin Co	31.57	88.52	4530	Xizang	0.16	23	Lake	Raw	^{14}C	5H	14.5−0.5	255	Sun et al., 1993
		89	Xuguo Co	31.95	90.33	4595	Xizang	2270	2688	Lake	Digit.	^{14}C	4E	8.5−0	160	Shen, 2003
		90	Zigetang Lake	32	90.9	4560	Xizang	19000	7777	Lake	Raw	^{14}C	5E	10.5−0	160	Herzschuh et al., 2006
	Gr33	91	Gounong Co	34.63	92.15	4670	Qinghai	174	744	Lake	Raw	^{14}C	3E	22−1.5	150	Shan et al., 1996
	Gr34	92	Sumxi	34.6	80.25	5057	Xizang	24.45	279	Lake	Digit.	^{14}C	6H	14.8−0	150	Campo and Gasse, 1993

	Gr35	93	Bangong Co	33.44	79.12	4300	Xizang	79500	15908	Lake	Raw	^{14}C	11G	10.5−0	270	Van Campo et al., 1996
	Gr36	94	Peiku Co	28.83	85.33	4590	Xizang	30000	9772	Lake	Raw	^{14}C	3H	14.5−6	90	Huang, 2000

Table S.2: Number of pollen records from large lake (L) and large bogs (B) (≥390 m radius), and from small lakes (S) and small bogs (b) (<390 m radius), used to run the REVEALS model for each time window and site group (see Sugita 2007a for definition of a large lake, and Mazier et al. (2012) and Trondman et al. (2015) for definition of a large site). For example, site group Gr32 includes for the time slice 3.7-4.2 ka BP pollen records from 4 large lakes (4L), 2 small lakes (2S), and 1 large bog (1B) (thus 4L2S1B) (modified from Li et al., 2020).

grid_cell	group	0−0.1 ka	0.1−0.35 ka	0.35−0.7 ka	0.7−1.2 ka	1.2−1.7ka	1.7−2−2 ka	2.2−2.7 ka	2.7−3.2 ka	3.2−3.7 ka	3.7−4.2 ka	4.2−4.7 ka	4.7−5.2 ka	5.2−5.7 ka	5.7−6.2 ka	6.2−6.7 ka	6.7−7.2 ka	7.2−7.7 ka	7.7−8.2 ka	8.2−8.7 ka	8.7−9.2 ka	9.2−9.7 ka	9.7−10.2 ka	10.2−10.7 ka	10.7−11.2 ka	11.2−11.7 ka
132° E 45° N; 133° E 47° N; 134° E 48° N	Gr1	1L	1L	1L3b	1L4b	1L3b	1L3b	1L4b	1L4b	1L3b	1L3b	1L3b	1L4b	1L3b	3b	3b	1b	1b	1b	1b	2b	1b	1b	2b	2b	2b
128° E 43° N; 129° E 43° N; 129° E 48° N	Gr2	1L	L1b	1L2b	1L2b	1L2b	1L2b	1L2B	1L2b	1L1b	1L	1L	1L	1L1b	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
112° E 38° N	Gr3	1b	1S1b	1S1b	1S1b	1S1B	1S1b	1S1b	1S1b	1S1b	1S1b	1S1b	1S1b	1S1b	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S
124° E 44° N; 125° E 43° N; 128° E 43° N; 129° E 43° N; 129° E 48° N	Gr4	1b		1b	1b	2b	2b	2b	2b	2b	2b	2b	2b	2b	1b	1b	1b	1b									

119° E 42° N; 122° E 42° N	Gr5	1S2b	1S2b	1S2b	1S2b	1S2b	1S2b	1S2b	1S2b	1S2b	1S1b	1S1b	1S1b	1S1b			1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
117° E 49° N	Gr6	1L	1L	2L	2L	1L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	1L
115° E 41° N; 115° E 42° N; 116° E 42° N	Gr7	1L	1L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L
112° E 40° N; 112° E 41° N	Gr8	1L	1L	1L	1L	1L	1L	1L1S	1L1S	1L1S	1L1S	1L1S1	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S
109° E 39° N	Gr9	2L	1L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	2L	1L	1L	1L	1L	1L	1L
106° E 35° N	Gr10	1S	2S	2S	2S	2S	2S	2S	2S	2S	2S	1S	1S	2S	1S	2S	1S	1S	2S	2S	2S	2S	2S	2S	2S	2S
86° E 48° N	Gr11	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S											
118° E 38° N	Gr12	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	2b	1b
117° E 31° N	Gr13	1b	1b	1b	1b	1b	1b	1b	1b	1b	1b	1b														
119° E 39° N	Gr14										1b	1b	1b	1b		1b	1b		1b	1b	1b	1b	1b	1b	1b	
110° E 31° N; 118° E 31° N; 119° E 31° N; 120° E 30° N; 120° E 31° N	Gr15	2L	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b	2L1b
102° E 27° N	Gr16	2B	2B	2B	2B	2B	2B	2B	2B	1B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B	2B
112° E 29° N; 113° E 30° N	Gr17			1S	1S	1S1b	1S1b	1S1b	1S1b	1S1b	1S1b	1S1b	1S1b	1S	1S	1S	1S	1S	1S	1S	1S	1S				
100° E 25° N; 102° E 28° N; 104° E 26° N	Gr18	2S		2S	2S	2S	2S	2S	2S	2S	2S	2S	1S	2S	2S	2S	2S	2S	1S	2S	2S	2S	2S	1S	2S	1S
100° E 27° N; 102° E 24° N; 99° E 26° N	Gr19	1L1S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L2S	1L1S	1L1S	1L1S	1L1S

96° E 30° N	Gr20	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L						
103° E 39° N; 99° E 30° N; 99° E 31° N	Gr21	1S	2L	2L	2L1S	2L1S	1L	2L1S	1L1S	2L1S	2L1S	L1S	2L1S	1L	2L1S	1L1S	2L1S	2L	2L1S	2L1S	2L1S	2L	2L1S	2L1S	L1S	2L1S
100° E 36° N; 96° E 37° N	Gr22	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L1b	3L1b	3L1b	3L1b	3L1b	3L1b	3L1b	3L1b	3L
100° E 37° N; 101° E 37° N; 101° E 41° N	Gr23	3L	3L	3L	3L	3L	2L	2L	3L	2L	3L	3L	2L	3L	3L	3L	2L	3L	2L	2L	3L	2L	2L	3L	2L	3L
89° E 44° N	Gr24	1L	1L	1L	1L	2L	2L	1L	1L	1L		1L	1L	1L	1L		1L	1L	1L	1L	1L	1L		1L	1L	
82° E 44° N; 92° E 43° N	Gr25	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L1S	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
85° E 45° N; 86° E 41° N; 87° E 47° N	Gr26	2L	2L	2L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	3L	2L	2L	2L	1L	1L	1L	1L	1L
84° E 43° N; 86° E 44° N	Gr27	2L1B	2L1B	2L1B	2L1B	2L1B	2L1B	2L1B	2L1B	2L1B	2L1B	1L1B	2L1B	2L1B	2L1B	1L1b	2L1B	2L1B	2L1B	2L1B		1L		1L	1L	1L
81° E 44° N	Gr28	1L		1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L						
82° E 37° N	Gr29	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
101° E 33° N	Gr30	1b	1b	1b	1b	1b	1b	1b	1b	1b																
102° E 32° N; 102° E 33° N; 103° E 32° N; 103° E 33° N; 97° E 34° N	Gr31a	1L2B	1B	1L2B1b	1L2B1b	1L3B1b	1L3B1b	1L2B1b	1L3B1b	1L3B	1L3B1b	1L4B2b	1L4B2b	1L4B2b	1L3B1b	1L5B1b	1L4B2b	1L3B2b	1L3B2b	1L3B2b	1L4B2b	1L3B2b	1L2B1b	1L3B	1L2B1b	1L1B1b
126° E 42° N; 98° E 35° N; 99° E 35° N	Gr31b	1L		2L	3L	3L	3L	3L	3L	3L	3L	3L	2L	3L	2L	2L	3L	3L	3L	3L	3L	3L	1L	3L	3L	3L
88° E 31° N; 90° E 31° N; 90° E 32° N;	Gr32	2L1S	3L1S	3L2S	3L3S	3L3S	3L3S	3L3S	2L3S	3L3S1b	4L2S1b	4L3S1b	3L3S2b	4L2S1b	3L3S1b	4L2S	3L2S	3L3S	3L3S	3L3S1B	1L3S1B	1L3S	1L2S	1L3S1b	3S	3S1b

92° E 29° N;91° E 30° N; 92° E 31° N																										
92° E 34° N	Gr33					1L	1L		1L	1L				1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
80° E 34° N	Gr34	1S	1S		1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S	1S
79° E 33° N	Gr35	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L	1L
85° E 28° N	Gr36														1L	1L	1L	1L	1L		1L	1L	1L	1L	1L	1L

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