

[Supplementary material]

Medieval long-wall construction on the Mongolian Steppe during the eleventh to thirteenth centuries AD

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Table S1. The locations and composition of the 42 clusters of auxiliary structures and features.

Structures	Name	Last surveyed by	Marked on map ***	Large square location
1.  	Kholboo	Shelach in 2018		48.46193 111.53454
2.  	Avshchg	Shelach in 2018		48.52686, 111.69413
3. 	Altan			48.64298, 111.90411
4. 	Uran Dösh			48.72583, 112.01484
5. 	Ogeemer			48.83161, 112.18837
6. 	Deng			48.83869, 112.32978
7. 	Bayn	Shelach in 2018		48.88166 112.43347
8. 	Ulaan Chuluu		m49-118	48.88863 112.56789
9. 	Barganjiyn		m49-118	48.89038, 112.67823
10. 	Ukhaa Ovoot		m49-118	48.88812, 112.80110
11. 	Ats			48.85747 112.90734
12. 	Ulaan	Shelach in 2018		48.81848 113.01737
13. 	Gertiin			48.78425, 113.15993
14. 	Uagaan			48.80092 113.31930
15. 	Ukhertiin			48.79387, 113.49939
16. 	Berkh			48.80833, 113.68318
17. 	Toosogiin			48.78865, 113.98162
18. 	Shine			48.75404, 114.14979
19. 	Baga			48.77785, 114.27057
20. 	Delger		m50-109	48.83629, 114.40019
21. 	Melkhiin		m50-110	48.85575, 114.54583
22.     	Baish	Shelach in 2018	m50-110	48.98405, 114.81688

23.		Arshaan	Shelach in 2018	m50-099	49.09513, 115.17106
24.		kherst	Shelach in 2019	m50-099	49.16402, 115.46950
25.		Balgas			49.22014, 115.75912
26.		Dund	Shelach in 2018		49.31964, 115.89917
27.		Khar	Shelach in 2018	m50-89	49.36305, 116.08708
28.		Tsagaagn	Shelach in 2018		49.47217, 116.28260
29.		kheremt		m50-089	49.48608, 116.47399
30.		Burtan			49.56214, 116.76945
31.		Tankon		m50-091	49.59298, 117.15009
32.		Bugutur	Lunkov <i>et al.</i> 2011		49.64384, 117.45404
33.		Koktui	Kiselev 1958	m50-092	49.64457, 117.70750
34.		Tsankyr	Lunkov <i>et al.</i> 2011	m50-080	49.75562, 117.99345
35.		Urtui	Lunkov <i>et al.</i> 2011	m50-081	49.7691, 118.216570
36.		Salatueshan			49.90119, 118.86060
37.		Relchinskuya			49.99188, 119.14838
38.		Pokt			50.20572, 119.36785
39.		Sharatue	Ponozov in 1934		50.21708, 119.60625
40.		Odinokaia	Ponozov in 1934	m50-18	50.18471, 119.87212
41.		Labudalin	Ponozov in 1934		50.20577, 120.15860
42.		Shankuly	Ponozov in 1934		50.24911, 120.40543

 Large rectangle
 Circle
 Small rectangle



Mini rectangle



Combined *



Questionable **

* Combined is where a structure is located inside another structure

** Questionable structures have been identified on satellite images but not confirmed as relevant in a field survey.

*** Marked on map are structures marked on Soviet topographical maps scale 1:50 000 the map number is indicated

Google map

Google map of wall and all associated structures: tinyurl.com/y4hbydw3

References

KISELEV, S. 1958. Drevnie goroda Zabaikal'ia. *Sovetskaia Arkheologiia* 4: 107–19.

LUNKOV, A., A.V. KHARINSKII, N.N. KRADIN & E.V. KOVYCHEV. 2011. The frontier fortification of the Liao Empire in eastern Transbaikalia. *The Silk Road* 9: 104–21.