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SETTLEMENT GAZETTEER OF THE LOWER VOLGA.

Supplementary Tabular Directory and Settlement Population Histories of the Saratov, Volgograd, Astrakhan, and Kalmyk Steppe Basins (10000BC - 1900AD).

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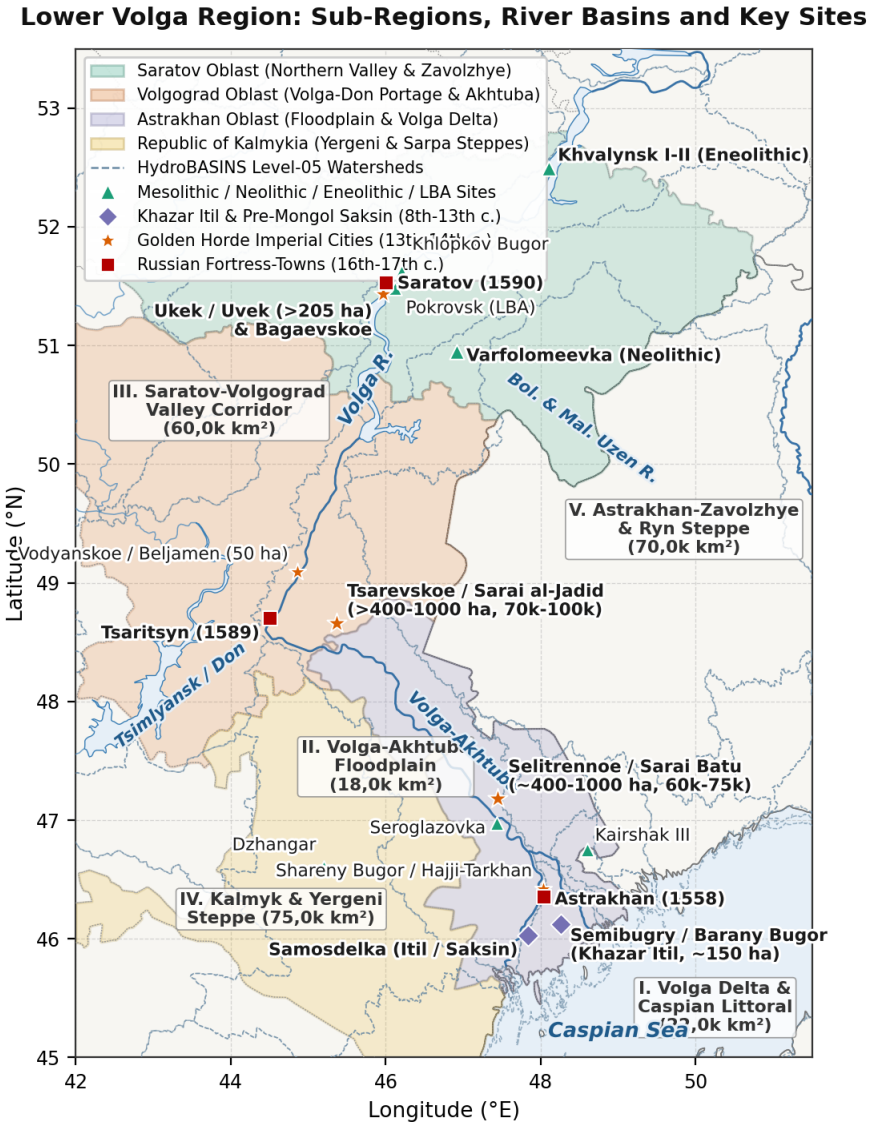


Figure 1. Cartographic basemap of the Lower Volga region (42,0°-51,5° E, 45,0°-53,5° N), showing administrative boundaries for Saratov, Volgograd and Astrakhan Oblasts and the Republic of Kalmykia and principal settlements catalogued in lower_volga_settlements.json.

Overview

This supplementary report presents the tabular settlement gazetteer (`lower_volga_settlements.json`) accompanying the regional demographic review of the Lower Volga (`lower_volga_literature_review.pdf`). The JSON dataset contains 146 individual settlements across the Volga Delta, Volga-Akhtuba Floodplain, Saratov-Volgograd river corridor, Kalmyk Steppe and Astrakhan-Volgograd Trans-Volga from 10000BC to 1900AD, formatted in the `population_Stadester` structure (keyed by `"<Name>-Russia"`, with `name`, `other_names`, `coords`, `country`, `key` and positive-integer `population` maps).

Population figures are derived from excavated pit-house floor areas and cemetery cohorts for Mesolithic, Neolithic, Eneolithic, Bronze Age Srubnaya and Sarmatian sites [1][2][3][4][5][6][7][8][9][10][11], urban and rural settlement excavations for Khazar Itil, Pre-Mongol Saksin and Golden Horde cities [12][13][14][15][16][17][18][19][20][21][22][23] and Russian garrison rolls, Imperial tax revisions (*revizii*), Volga German colony censuses, Kalmyk and Inner (Bukey) Kazakh Horde records and the 1897 Census [24][25][26][27][28][29][30][31][32][33][34][35][36][37][38][39].

Prehistoric, Bronze Age, and Sarmatian Settlements (10000BC - 400AD)

Settlement	Historical / Alternative Names	Coords	Occupied Span	Population Estimates by Date
Seroglazovka	Seroglazovskaya stoyanka	47,03°N, 47,45°E	10000-8000BC	10000BC: 25; 8000BC: 35
Zhe-Kalgan	Zhe-Kalgan	47,18°N, 48,12°E	9500-7500BC	9500BC: 20; 7500BC: 35
Kairshak I	Kairshak I	46,78°N, 48,54°E	6800-6200BC	6800BC: 35; 6200BC: 45
Kairshak III	Kairshak III	46,78°N, 48,55°E	6700-6000BC	6700BC: 45; 6000BC: 55
Baibek	Baybek	46,70°N, 48,72°E	6500-5800BC	6500BC: 40; 5800BC: 50
Kugat	Kugat IV	46,82°N, 48,68°E	6400-5600BC	6400BC: 35; 5600BC: 45
Dzhangar	Dzhangar	47,42°N, 45,33°E	6000-5000BC	6000BC: 50; 5500BC: 60; 5000BC: 65
Varfolomeyevka	Varfolomeevskaya stoyanka	50,15°N, 48,55°E	6000-5000BC	6000BC: 75; 5500BC: 85; 5000BC: 90
Kombak-Te	Kombak-Te	47,24°N, 48,45°E	5800-5000BC	5800BC: 45; 5000BC: 60
Tenteksor I	Tenteksor I	46,85°N, 48,80°E	5500-5000BC	5500BC: 55; 5000BC: 65
Lebyazhinka IV	Lebyazhinka IV	53,42°N, 50,38°E	5200-3900BC	5200BC: 65; 4500BC: 80; 3900BC: 90
Maksimovka I	Maksimovskaya I stoyanka	52,85°N, 50,45°E	4800-4300BC	4800BC: 70; 4300BC: 85
Khvalynsk I	Khvalynskiy I mogilnik i poselenie	52,53°N, 48,10°E	4500-4200BC	4500BC: 95; 4200BC: 115
Syezzheye	Sezzhee	52,95°N, 51,35°E	4500-4000BC	4500BC: 75; 4000BC: 90

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Settlement	Historical / Alternative Names	Coords	Occupied Span	Population Estimates by Date
Khvalynsk II	Khvalynskiy II mogilnik i poselenie	52,54°N, 48,10°E	4300-4000BC	4300BC: 65; 4000BC: 80
Khlopkov Bugor	Khlopkov Bugor	51,65°N, 46,18°E	4200-3800BC	4200BC: 70; 3800BC: 85
Berezhnovka	Berezhnovka I-II	50,32°N, 46,38°E	3000-1500BC	3000BC: 110; 2400BC: 145; 1500BC: 210
Bykovo-Kurgans	Bykovskiy kompleks	49,76°N, 45,39°E	2800BC - 100AD	2800BC: 115; 2000BC: 140; 1500BC: 230; 100AD: 320
Politotdelskoye	Politotdelskoe	50,08°N, 45,95°E	2800-1500BC	2800BC: 105; 2200BC: 130; 1500BC: 195
Staraya Poltavka-Bronze	Staraya Poltavka (Epokha bronzy)	50,48°N, 46,48°E	2600-1500BC	2600BC: 140; 2200BC: 175; 1500BC: 220
Kalinovka-Bronze	Kalinovskoe poselenie i mogilnik	49,02°N, 44,78°E	2500BC - 100AD	2500BC: 120; 1500BC: 210; 100AD: 290
Pokrovsk-Srubnaya	Pokrovskoe srubnoe poselenie	51,48°N, 46,12°E	1800-1200BC	1800BC: 220; 1500BC: 360; 1200BC: 240
Komarovka-Bronze	Komarovka	51,80°N, 45,50°E	1700-1200BC	1700BC: 190; 1500BC: 280; 1200BC: 185
Smelovka	Smelovka	51,28°N, 46,02°E	1700-1200BC	1700BC: 165; 1500BC: 240; 1200BC: 160
Krivaya Luka	Krivaya Luka	47,92°N, 46,22°E	500BC - 100AD	500BC: 380; 300BC: 520; 100AD: 650
Prokhorovka-Sarmatian	Prokhorovka	52,12°N, 54,45°E	350-150BC	350BC: 580; 250BC: 720; 150BC: 540
Baranovka-Sarmatian	Baranovka	50,15°N, 45,42°E	100BC - 150AD	100BC: 420; 50AD: 580; 150AD: 640
Nikolskoye-Sarmatian	Nikolskoe (Sarmatskiy kompleks)	47,76°N, 46,42°E	100BC - 150AD	100BC: 480; 50AD: 680; 150AD: 740
Suslovskiy	Suslovskiy kurgannyy mogilnik i zimove	51,42°N, 46,85°E	100BC - 150AD	100BC: 350; 50AD: 480; 150AD: 520
Verkhneye Pogromnoye	Verkhnee Pogromnoe	48,88°N, 45,08°E	100BC - 150AD	100BC: 520; 50AD: 750; 150AD: 850
Kosika-Sarmatian	Kosika (Sarmatskiy tsentr)	47,12°N, 47,20°E	50BC - 150AD	50BC: 650; 50AD: 950; 150AD: 1,1k
Uspenka-Sarmatian	Uspenka	48,32°N, 45,88°E	1-250AD	1AD: 420; 150AD: 560; 250AD: 390

Table 1. Prehistoric, Eneolithic, Bronze Age Srubnaya and Sarmatian settlements of the Lower Volga (10000BC - 400AD) compiled from lower_volga_settlements.json.

Medieval Khazar, Pre-Mongol Saksin, and Golden Horde Settlements (750 - 1550AD)

Settlement	Historical Names	Coords	800-900AD	1150-1200AD	1260-1320AD	1340AD	1380-1550AD
Semibugry	Itil; Atil	46,16°N, 48,29°E	24,0k	-	-	-	-
Barany Bugor	Baraniy Bugor; Zapadnyy Itil	46,16°N, 48,27°E	8,0k	-	-	-	-
Mayachnoye	Mayachnoe gorodishche i mogilnik	46,32°N, 48,18°E	1,8k	-	-	2,4k	-
Samosdelka	Samosdelskoe gorodishche; Saksin	46,03°N, 47,84°E	14,0k	20,0k	9,0k	8,0k	2,2k
Sarai Batu	Saray-Batu; Saray al-Makhrusa	47,17°N, 47,44°E	-	-	55,0k	68,0k	6,5k
Ukek	Uvekskoe gorodishche	51,43°N, 45,96°E	-	-	7,8k	9,5k	1,2k
Beldzhamen	Bezdezh; Vodyanskoe gorodishche	49,09°N, 44,88°E	-	-	6,2k	7,5k	3,2k
Bagaevskoye Selishche	Bagaevskoe selishche	51,38°N, 45,85°E	-	-	650	950	350
Khmelevskoye Selishche	Khmelevskoe I selishche	51,32°N, 45,78°E	-	-	600	850	320
Krasnoyarskoye Gorodishche	Krasnoyarskoe gorodishche	46,53°N, 48,35°E	-	-	2,6k	4,0k	1,1k
Moshayk	Gorodishche Moshaik	46,35°N, 48,15°E	-	-	2,2k	3,5k	950
Saraichik	Saraychik; Saray-Dzhuk	47,52°N, 51,92°E	-	-	9,5k	16,0k	8,5k
Alexeyevskoye Selishche	Alekseevskoe selishche	52,31°N, 47,92°E	-	-	450	650	250
Hajji-Tarkhan	Khadzhi-Tarkhan; Sharenyy Bugor	46,42°N, 48,03°E	-	-	8,5k	21,5k	11,0k
Kolotov Buyerak	Kolotov Buerak	51,40°N, 45,89°E	-	-	380	550	-
Podgornoye Selishche	Podgornoe selishche	51,46°N, 45,92°E	-	-	350	520	-
Shirokiy Buyerak	Shirokiy Buerak	51,28°N, 45,81°E	-	-	420	600	-
Akhmat Gorodishche	Akhmatskoe gorodishche	50,92°N, 45,75°E	-	-	650	900	-
Chardymskoye Gorodishche	Chardymskoe gorodishche	51,82°N, 46,38°E	-	-	550	780	-
Lapas	Gorodishche Ak-Saray; Davlet-Khana	47,01°N, 47,62°E	-	-	1,6k	2,5k	600

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Settlement	Historical Names	Coords	800-900AD	1150-1200AD	1260-1320AD	1340AD	1380-1550AD
Mechetnoye Gorodishche	Mechetnoe gorodishche	50,65°N, 45,50°E	-	-	1,4k	1,9k	650
Ternovskoye Gorodishche	Ternovskoe gorodishche	50,32°N, 45,45°E	-	-	1,1k	1,5k	550
Bezrodnoye-Medieval	Bezrodnoe zolotoordynskoe poselenie	48,78°N, 44,78°E	-	-	850	1,2k	-
Sarai al-Jadid	Saray al-Dzhedid; Saray-Berke	48,66°N, 45,37°E	-	-	35,0k	62,0k	4,5k

Table 2. Medieval Khazar (Itil), Pre-Mongol Saksin, Golden Horde and Astrakhan/Nogai Khanate cities and rural settlements of the Lower Volga (750 - 1550AD) compiled from lower_volga_settlements.json.

Early Modern and Imperial Settlements, Volga German Colonies, and Steppe Centres (1558 - 1900AD)

Settlement	Alternative Names	Coords	1700-1740AD	1750-1790AD	1800-1826AD	1850-1880AD	1897AD	1900AD
Astrakhan	Zayachiy ostrov	46,35°N, 48,04°E	14,0k	21,5k	32,5k	48,0k	112,9k	118,0k
Tsaritsyn	Volgograd	48,71°N, 44,51°E	3,2k	4,1k	4,5k	12,5k	55,2k	62,0k
Saratov	Saratov	51,53°N, 46,03°E	5,5k	11,5k	24,5k	86,0k	137,1k	143,0k
Chyorny Yar	Chyornyy Yar; Cher-noyarskaya krepost	48,06°N, 46,11°E	2,1k	2,6k	3,1k	3,8k	4,2k	4,4k
Khvalynsk	Sosnovyy Ostrov	52,49°N, 48,11°E	1,4k	2,4k	5,8k	11,2k	15,1k	15,6k
Krasny Yar	Krasnyy Yar	46,53°N, 48,35°E	2,2k	2,8k	3,4k	4,6k	5,6k	5,8k
Kamyshin	Dmitrievsk	50,10°N, 45,42°E	2,4k	3,1k	4,2k	9,4k	16,3k	17,1k
Kamyzyak	Kamyzyak	46,12°N, 48,08°E	400	-	1,1k	2,1k	4,0k	4,2k
Balanda	Kalininsk	51,50°N, 44,47°E	650	1,8k	3,4k	5,9k	8,9k	9,3k
Voskresenskoye	Voskresenskoe	51,83°N, 46,90°E	600	1,6k	2,9k	5,1k	7,6k	7,9k
Zolotoye	Zolotoe	50,83°N, 45,93°E	650	1,6k	3,1k	5,6k	8,4k	8,7k
Bazarny Karabulak	Bazarnyy Karabulak	52,27°N, 46,41°E	650	-	2,8k	5,2k	8,4k	8,7k

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Settlement	Alternative Names	Coords	1700-1740AD	1750-1790AD	1800-1826AD	1850-1880AD	1897AD	1900AD
Petrovsk	Petrovsk	52,31°N, 45,39°E	1,8k	2,9k	4,6k	9,2k	13,3k	13,8k
Yelan	Elan	50,95°N, 43,73°E	650	1,9k	3,8k	6,8k	11,8k	12,3k
Kuznetsk	Naryshkino	53,12°N, 46,60°E	1,2k	2,8k	5,4k	12,1k	20,5k	21,4k
Novye Burasy	Novye Burasy	52,13°N, 46,08°E	550	-	2,2k	4,1k	6,8k	7,1k
Rtishchevo	Rtishchevo	52,25°N, 43,78°E	400	-	-	2,8k	5,8k	6,4k
Serdobsk	Bolshaya Serdoba	52,46°N, 44,22°E	950	1,6k	2,4k	5,4k	7,3k	7,6k
Solenoye Zaymishche	Solenoe Zaymishche	47,91°N, 46,16°E	450	-	1,4k	2,9k	5,2k	5,4k
Volsk	Malykovka	52,04°N, 47,38°E	1,2k	3,2k	8,4k	18,9k	27,1k	28,2k
Rudnya	Rudnya	50,80°N, 44,55°E	600	-	2,6k	4,9k	8,1k	8,4k
Selitrennoye	Selitrennoe (selo)	47,17°N, 47,44°E	450	-	1,2k	2,4k	4,2k	4,4k
Atkarsk	Etkara	51,87°N, 45,01°E	750	1,4k	1,9k	4,1k	7,3k	7,8k
Arkadak	Arkadak	51,93°N, 43,50°E	650	-	2,2k	4,2k	7,0k	7,2k
Antipovka	Antipovka	49,83°N, 45,31°E	550	-	1,7k	3,3k	5,6k	5,8k
Dubovka	Posad Dubovka	49,06°N, 44,83°E	1,8k	3,2k	6,4k	11,8k	16,3k	16,8k
Gorny Balykley	Gornyy Balykley	49,55°N, 45,06°E	600	-	1,6k	3,1k	5,2k	5,4k
Verkhniy Balykley	Verkhniy Balykley	49,49°N, 45,09°E	650	-	1,9k	3,9k	6,8k	7,1k
Yenotayevsk	Enotaevsk; Enotaevskaya krepost	47,24°N, 47,03°E	850	-	1,5k	2,2k	2,8k	3,0k
Nikolayevskaya Sloboda	Nikolaevskaya sloboda; Nikolaevsk-Volzhskiy	50,03°N, 45,46°E	-	750	3,6k	9,8k	18,4k	19,2k
Pokrovskaya Sloboda	Pokrovsk; Engels	51,48°N, 46,12°E	-	1,1k	4,8k	11,2k	21,6k	23,0k
Balashov	Balashov	51,55°N, 43,17°E	-	1,1k	2,6k	5,8k	10,3k	11,2k
Elton	Eltonskiy solyanoy promysel	49,13°N, 46,85°E	-	1,4k	2,6k	2,7k	4,6k	4,8k
Kamenny Yar	Kamennyy Yar	48,44°N, 45,52°E	-	650	1,6k	3,2k	5,7k	5,9k

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Settlement	Alternative Names	Coords	1700-1740AD	1750-1790AD	1800-1826AD	1850-1880AD	1897AD	1900AD
Samoylovka	Samoylovka	51,18°N, 43,70°E	-	950	2,7k	5,4k	9,6k	10,0k
Srednyaya Akhtuba	Akhtubinskoe	48,70°N, 44,87°E	-	750	1,8k	3,9k	6,4k	6,7k
Dergachi	Dergachi	51,23°N, 48,77°E	-	600	-	3,2k	6,9k	7,2k
Novouzensk	Chertanla	50,46°N, 48,14°E	-	650	1,8k	5,6k	13,3k	13,9k
Nikolskoye-Volga	Nikolskoe (Astrakhan-skaya gub.)	47,77°N, 46,42°E	-	600	1,6k	3,3k	6,2k	6,4k
Balakovo	Balakovo	52,03°N, 47,78°E	-	850	2,4k	7,8k	15,9k	17,2k
Nikolayevsk-Irgiz	Nikolaevsk; Mechetnaya sloboda	52,02°N, 48,80°E	-	900	2,4k	5,9k	12,6k	13,1k
Zamyany	Zamyanovskaya stanitsa	46,81°N, 47,62°E	-	500	-	1,8k	3,1k	3,3k
Kamenka	Ber; Bähr	50,56°N, 45,45°E	-	345	950	2,5k	5,0k	5,2k
Sarepta	Sarepta	48,52°N, 44,55°E	-	420	780	1,4k	5,6k	5,9k
Vetlyanka	Vetlyanskaya stanitsa	47,55°N, 46,78°E	-	450	-	1,6k	2,9k	3,0k
Mariental	Tonkoshurovka; Sovetskoe	51,41°N, 46,70°E	-	540	1,4k	4,1k	7,2k	7,5k
Nachalovo	Cherepakha	46,34°N, 48,20°E	-	550	-	1,9k	3,7k	3,8k
Balzer	Golyy Karamysh; Baltser	51,02°N, 45,70°E	-	534	1,4k	4,1k	8,2k	8,6k
Doenhof	Gololobovka; Dengof	50,98°N, 45,55°E	-	510	1,4k	3,9k	6,9k	7,2k
Frank	Medveditskiy Krestovyy Buerak; Medveditsa	50,80°N, 44,83°E	-	552	1,6k	4,8k	9,6k	10,1k
Grimm	Lesnoy Karamysh; Kamenskiy	50,92°N, 45,45°E	-	780	1,9k	5,8k	10,8k	11,2k
Hussenbach	Linevo Ozero; Gussenbakh	50,70°N, 44,87°E	-	525	1,4k	4,2k	8,2k	8,5k
Katharinenstadt	Ekaterinenshtadt; Baronsk	51,70°N, 46,75°E	-	725	1,6k	5,2k	10,3k	10,8k
Krasny Yar-German	Krasnyy Yar (Valter); Walter	50,70°N, 45,28°E	-	430	1,1k	3,3k	6,2k	6,4k

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Settlement	Alternative Names	Coords	1700-1740AD	1750-1790AD	1800-1826AD	1850-1880AD	1897AD	1900AD
Kukkus	Volskoe; Privolzhskoe	51,02°N, 45,95°E	-	320	900	2,6k	4,6k	4,8k
Messer	Ust-Zolikha	50,92°N, 45,60°E	-	415	1,1k	3,1k	5,4k	5,6k
Norka	Nekrasovo	51,15°N, 45,38°E	-	957	2,4k	7,3k	11,6k	12,1k
Schaffhausen	Volkovo; Shafgauzen	51,74°N, 46,92°E	-	330	950	2,7k	4,8k	5,0k
Schoenchen	Paninskoe; Shenkhen	51,59°N, 46,60°E	-	295	850	2,4k	4,4k	4,5k
Seelmann	Rovnoe; Zelman	50,77°N, 46,05°E	-	465	1,3k	3,9k	7,0k	7,2k
Warenburg	Privalnoe; Varenburg	50,95°N, 46,02°E	-	610	1,6k	4,6k	8,3k	8,6k
Bykovo	Bykovskaya sloboda	49,77°N, 45,38°E	-	950	-	4,2k	7,8k	8,2k
Raygorod	Popovskoe	48,55°N, 44,97°E	-	550	-	2,1k	4,0k	4,1k
Zaplavnoye	Zaplavnoe	48,70°N, 45,02°E	-	850	-	3,6k	6,1k	6,3k
Kharabali	Kharabalinskoe	47,42°N, 47,25°E	-	850	-	3,4k	6,5k	6,8k
Vladimirovka	Akhtubinsk	48,28°N, 46,17°E	-	650	-	2,8k	7,9k	8,4k
Sasykoli	Sasykoli	47,55°N, 46,99°E	-	700	-	2,6k	5,1k	5,3k
Alexandrov Gay	Aleksandrov Gay	50,13°N, 48,57°E	-	-	950	3,6k	7,4k	7,8k
Kolobovka	Kolobovka	48,66°N, 45,48°E	-	-	700	2,4k	4,6k	4,8k
Kalmyk Bazar	Kalmytskiy Bazar; Privolzhe	46,40°N, 47,97°E	-	-	450	1,1k	1,6k	1,8k
Prishib	Leninsk	48,70°N, 45,20°E	-	-	850	3,4k	6,8k	7,1k
Bolkhuny	Bolkhuny	47,98°N, 46,41°E	-	-	800	3,1k	6,0k	6,2k
Kapustin Yar	Kapustin Yar	48,58°N, 45,73°E	-	-	950	3,8k	6,9k	7,2k
Tsarev	Sloboda Tsarevka	48,66°N, 45,38°E	-	-	1,4k	4,6k	7,0k	7,2k
Ikryanoye	Ikryanoe	46,09°N, 47,73°E	-	-	550	1,8k	3,8k	4,0k
Pologoye Zaymishche	Pologoe Zaymishche	48,42°N, 45,95°E	-	-	650	2,3k	4,4k	4,6k
Khosheutovo	Khosheutovskiy khurul	47,09°N, 47,59°E	-	-	450	850	1,4k	1,4k

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Settlement	Alternative Names	Coords	1700-1740AD	1750-1790AD	1800-1826AD	1850-1880AD	1897AD	1900AD
Zolotukha	Zolotukha	47,77°N, 46,66°E	-	-	750	2,5k	4,8k	5,0k
Khanskaya Stavka	Urda; Khan-Ordasy	48,77°N, 47,44°E	-	-	450	1,8k	2,6k	2,7k
Remontnoye	Remontnoe	46,56°N, 43,66°E	-	-	-	650	5,8k	6,2k
Volnoye	Volnoe; Knyazhevo	47,06°N, 47,56°E	-	-	-	950	4,7k	4,9k
Baskunchak	Baskunchakskiy promysel	48,20°N, 46,88°E	-	-	-	4,5k	8,2k	8,8k
Gnadenflur	Florskoe; Gnadenflyur	51,19°N, 47,66°E	-	-	-	650	1,9k	2,1k
Oranzherei	Oranzherei	45,84°N, 47,56°E	-	-	-	1,1k	3,6k	3,8k
Priyutnoye	Priyutnoe	46,10°N, 43,50°E	-	-	-	550	2,0k	2,1k
Marfino	Marfino	46,41°N, 48,72°E	-	-	-	1,4k	3,9k	4,1k
Talovka-Bukey	Talovka; Kaztalovka	49,77°N, 48,59°E	-	-	-	550	1,4k	1,6k
Tsvetnoye	Tsvetnoe	46,23°N, 48,62°E	-	-	-	1,2k	3,4k	3,6k
Elista	Elista	46,31°N, 44,26°E	-	-	-	650	1,4k	1,6k
Novaya Kazanka	Zhangala	49,22°N, 49,09°E	-	-	-	650	1,6k	1,8k

Table 3. Russian fortress cities, uyezd towns, slobodas, Volga German colonies and Kalmyk/Kazakh steppe centres of the Lower Volga (1558 - 1900AD) compiled from lower_volga_settlements.json.

Complete Settlement Gazetteer

Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Seroglazovka-Russia	47,03°N, 47,45°E	10000-8000BC	10000BC: 25; 8000BC: 35
Zhe-Kalgan-Russia	47,18°N, 48,12°E	9500-7500BC	9500BC: 20; 7500BC: 35
Kairshak I-Russia	46,78°N, 48,54°E	6800-6200BC	6800BC: 35; 6200BC: 45
Kairshak III-Russia	46,78°N, 48,55°E	6700-6000BC	6700BC: 45; 6000BC: 55
Baibek-Russia	46,70°N, 48,72°E	6500-5800BC	6500BC: 40; 5800BC: 50
Kugat-Russia	46,82°N, 48,68°E	6400-5600BC	6400BC: 35; 5600BC: 45
Dzhangar-Russia	47,42°N, 45,33°E	6000-5000BC	6000BC: 50; 5500BC: 60; 5000BC: 65
Varfolomeyevka-Russia	50,15°N, 48,55°E	6000-5000BC	6000BC: 75; 5500BC: 85; 5000BC: 90
Kombak-Te-Russia	47,24°N, 48,45°E	5800-5000BC	5800BC: 45; 5000BC: 60
Tenteksor I-Russia	46,85°N, 48,80°E	5500-5000BC	5500BC: 55; 5000BC: 65

(Continued from previous page)

Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Lebyazhinka IV-Russia	53,42°N, 50,38°E	5200-3900BC	5200BC: 65; 4500BC: 80; 3900BC: 90
Maksimovka I-Russia	52,85°N, 50,45°E	4800-4300BC	4800BC: 70; 4300BC: 85
Khvalynsk I-Russia	52,53°N, 48,10°E	4500-4200BC	4500BC: 95; 4200BC: 115
Syezzheye-Russia	52,95°N, 51,35°E	4500-4000BC	4500BC: 75; 4000BC: 90
Khvalynsk II-Russia	52,54°N, 48,10°E	4300-4000BC	4300BC: 65; 4000BC: 80
Khlopkov Bugor-Russia	51,65°N, 46,18°E	4200-3800BC	4200BC: 70; 3800BC: 85
Berezhnovka-Russia	50,32°N, 46,38°E	3000-1500BC	3000BC: 110; 2400BC: 145; 1500BC: 210
Bykovo-Kurgans-Russia	49,76°N, 45,39°E	2800BC - 100AD	2800BC: 115; 2000BC: 140; 1500BC: 230; 100AD: 320
Politotdelskoye-Russia	50,08°N, 45,95°E	2800-1500BC	2800BC: 105; 2200BC: 130; 1500BC: 195
Staraya Poltavka-Bronze-Russia	50,48°N, 46,48°E	2600-1500BC	2600BC: 140; 2200BC: 175; 1500BC: 220
Kalinovka-Bronze-Russia	49,02°N, 44,78°E	2500BC - 100AD	2500BC: 120; 1500BC: 210; 100AD: 290
Pokrovsk-Srubnaya-Russia	51,48°N, 46,12°E	1800-1200BC	1800BC: 220; 1500BC: 360; 1200BC: 240
Komarovka-Bronze-Russia	51,80°N, 45,50°E	1700-1200BC	1700BC: 190; 1500BC: 280; 1200BC: 185
Smelovka-Russia	51,28°N, 46,02°E	1700-1200BC	1700BC: 165; 1500BC: 240; 1200BC: 160
Krivaya Luka-Russia	47,92°N, 46,22°E	500BC - 100AD	500BC: 380; 300BC: 520; 100AD: 650
Prokhorovka-Sarmatian-Russia	52,12°N, 54,45°E	350-150BC	350BC: 580; 250BC: 720; 150BC: 540
Baranovka-Sarmatian-Russia	50,15°N, 45,42°E	100BC - 150AD	100BC: 420; 50AD: 580; 150AD: 640
Nikolskoye-Sarmatian-Russia	47,76°N, 46,42°E	100BC - 150AD	100BC: 480; 50AD: 680; 150AD: 740
Suslovskiy-Russia	51,42°N, 46,85°E	100BC - 150AD	100BC: 350; 50AD: 480; 150AD: 520
Verkhneye Pogromnoye-Russia	48,88°N, 45,08°E	100BC - 150AD	100BC: 520; 50AD: 750; 150AD: 850
Kosika-Sarmatian-Russia	47,12°N, 47,20°E	50BC - 150AD	50BC: 650; 50AD: 950; 150AD: 1,1k
Uspenka-Sarmatian-Russia	48,32°N, 45,88°E	1-250AD	1AD: 420; 150AD: 560; 250AD: 390
Semibugry-Russia	46,16°N, 48,29°E	750-965AD	750AD: 11,0k; 800AD: 18,0k; 900AD: 24,0k; 965AD: 8,0k
Barany Bugor-Russia	46,16°N, 48,27°E	780-965AD	780AD: 5,5k; 850AD: 7,5k; 900AD: 8,0k; 965AD: 2,5k
Mayachnoye-Russia	46,32°N, 48,18°E	850-1340AD	850AD: 1,4k; 900AD: 1,8k; 1340AD: 2,4k
Samosdelka-Russia	46,03°N, 47,84°E	850-1395AD	850AD: 9,5k; 900AD: 14,0k; 1000AD: 8,5k; 1150AD: 18,0k; 1200AD: 20,0k; 1300AD: 9,0k; 1340AD: 8,0k; 1395AD: 2,2k

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Sarai Batu-Russia	47,17°N, 47,44°E	1254-1480AD	1254AD: 18,0k; 1280AD: 42,0k; 1300AD: 55,0k; 1340AD: 68,0k; 1380AD: 28,0k; 1400AD: 14,0k; 1450AD: 12,0k; 1480AD: 6,5k
Ukek-Russia	51,43°N, 45,96°E	1260-1395AD	1260AD: 4,5k; 1300AD: 7,8k; 1340AD: 9,5k; 1380AD: 5,2k; 1395AD: 1,2k
Beldzhamen-Russia	49,09°N, 44,88°E	1270-1370AD	1270AD: 3,8k; 1300AD: 6,2k; 1340AD: 7,5k; 1370AD: 3,2k
Bagaevskoye Selishche-Russia	51,38°N, 45,85°E	1280-1390AD	1280AD: 650; 1340AD: 950; 1390AD: 350
Khmelevskoye Selishche-Russia	51,32°N, 45,78°E	1280-1390AD	1280AD: 600; 1340AD: 850; 1390AD: 320
Krasnoyarskoye Gorodishche-Russia	46,53°N, 48,35°E	1280-1395AD	1280AD: 2,6k; 1340AD: 4,0k; 1395AD: 1,1k
Moshayk-Russia	46,35°N, 48,15°E	1280-1395AD	1280AD: 2,2k; 1340AD: 3,5k; 1395AD: 950
Saraichik-Russia	47,52°N, 51,92°E	1280-1550AD	1280AD: 9,5k; 1340AD: 16,0k; 1400AD: 5,5k; 1500AD: 8,0k; 1550AD: 8,5k
Alexeyevskoye Selishche-Russia	52,31°N, 47,92°E	1290-1390AD	1290AD: 450; 1340AD: 650; 1390AD: 250
Hajji-Tarkhan-Russia	46,42°N, 48,03°E	1290-1550AD	1290AD: 8,5k; 1340AD: 21,5k; 1380AD: 14,0k; 1400AD: 5,5k; 1460AD: 8,5k; 1500AD: 10,0k; 1550AD: 11,0k
Kolotov Buyerak-Russia	51,40°N, 45,89°E	1290-1340AD	1290AD: 380; 1340AD: 550
Podgornoye Selishche-Russia	51,46°N, 45,92°E	1290-1340AD	1290AD: 350; 1340AD: 520
Shirokiy Buyerak-Russia	51,28°N, 45,81°E	1290-1340AD	1290AD: 420; 1340AD: 600
Akhmat Gorodishche-Russia	50,92°N, 45,75°E	1300-1340AD	1300AD: 650; 1340AD: 900
Chardymskoye Gorodishche-Russia	51,82°N, 46,38°E	1300-1340AD	1300AD: 550; 1340AD: 780
Lapas-Russia	47,01°N, 47,62°E	1300-1395AD	1300AD: 1,6k; 1340AD: 2,5k; 1395AD: 600
Mechetnoye Gorodishche-Russia	50,65°N, 45,50°E	1300-1390AD	1300AD: 1,4k; 1340AD: 1,9k; 1390AD: 650
Ternovskoye Gorodishche-Russia	50,32°N, 45,45°E	1300-1390AD	1300AD: 1,1k; 1340AD: 1,5k; 1390AD: 550
Bezrodnoye-Medieval-Russia	48,78°N, 44,78°E	1310-1340AD	1310AD: 850; 1340AD: 1,2k
Sarai al-Jadid-Russia	48,66°N, 45,37°E	1320-1395AD	1320AD: 35,0k; 1340AD: 85,0k; 1360AD: 62,0k; 1380AD: 32,0k; 1395AD: 4,5k

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Astrakhan-Russia	46,35°N, 48,04°E	1558-1900AD	1558AD: 3,5k; 1600AD: 6,5k; 1650AD: 10,5k; 1700AD: 14,0k; 1750AD: 21,5k; 1800AD: 32,5k; 1850AD: 44,8k; 1870AD: 48,0k; 1897AD: 112,9k; 1900AD: 118,0k
Tsaritsyn-Russia	48,71°N, 44,51°E	1589-1900AD	1589AD: 800; 1600AD: 1,1k; 1700AD: 3,2k; 1750AD: 4,1k; 1800AD: 4,5k; 1850AD: 5,9k; 1870AD: 12,5k; 1897AD: 55,2k; 1900AD: 62,0k
Saratov-Russia	51,53°N, 46,03°E	1590-1900AD	1590AD: 1,1k; 1600AD: 1,5k; 1700AD: 5,5k; 1750AD: 11,5k; 1800AD: 24,5k; 1850AD: 61,6k; 1870AD: 86,0k; 1897AD: 137,1k; 1900AD: 143,0k
Chyorny Yar-Russia	48,06°N, 46,11°E	1627-1900AD	1627AD: 850; 1700AD: 2,1k; 1750AD: 2,6k; 1800AD: 3,1k; 1850AD: 3,8k; 1897AD: 4,2k; 1900AD: 4,4k
Khvalynsk-Russia	52,49°N, 48,11°E	1650-1900AD	1650AD: 750; 1700AD: 1,4k; 1750AD: 2,4k; 1800AD: 5,8k; 1850AD: 11,2k; 1897AD: 15,1k; 1900AD: 15,6k
Krasny Yar-Russia	46,53°N, 48,35°E	1667-1900AD	1667AD: 1,1k; 1700AD: 2,2k; 1750AD: 2,8k; 1800AD: 3,4k; 1850AD: 4,6k; 1897AD: 5,6k; 1900AD: 5,8k
Kamyshin-Russia	50,10°N, 45,42°E	1668-1900AD	1668AD: 950; 1700AD: 2,4k; 1750AD: 3,1k; 1800AD: 4,2k; 1850AD: 9,4k; 1897AD: 16,3k; 1900AD: 17,1k
Kamyzyak-Russia	46,12°N, 48,08°E	1670-1900AD	1670AD: 400; 1800AD: 1,1k; 1850AD: 2,1k; 1897AD: 4,0k; 1900AD: 4,2k
Balanda-Russia	51,50°N, 44,47°E	1680-1900AD	1680AD: 650; 1750AD: 1,8k; 1800AD: 3,4k; 1850AD: 5,9k; 1897AD: 8,9k; 1900AD: 9,3k
Voskresenskoye-Russia	51,83°N, 46,90°E	1680-1900AD	1680AD: 600; 1750AD: 1,6k; 1800AD: 2,9k; 1850AD: 5,1k; 1897AD: 7,6k; 1900AD: 7,9k
Zolotoye-Russia	50,83°N, 45,93°E	1690-1900AD	1690AD: 650; 1750AD: 1,6k; 1800AD: 3,1k; 1850AD: 5,6k; 1897AD: 8,4k; 1900AD: 8,7k
Bazarny Karabulak-Russia	52,27°N, 46,41°E	1692-1900AD	1692AD: 650; 1800AD: 2,8k; 1850AD: 5,2k; 1897AD: 8,4k; 1900AD: 8,7k
Petrovsk-Russia	52,31°N, 45,39°E	1698-1900AD	1698AD: 1,5k; 1700AD: 1,8k; 1750AD: 2,9k; 1800AD: 4,6k; 1850AD: 9,2k; 1897AD: 13,3k; 1900AD: 13,8k
Yelan-Russia	50,95°N, 43,73°E	1699-1900AD	1699AD: 650; 1750AD: 1,9k; 1800AD: 3,8k; 1850AD: 6,8k; 1897AD: 11,8k; 1900AD: 12,3k
Kuznetsk-Russia	53,12°N, 46,60°E	1700-1900AD	1700AD: 1,2k; 1750AD: 2,8k; 1800AD: 5,4k; 1850AD: 12,1k; 1897AD: 20,5k; 1900AD: 21,4k

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Novye Burasy-Russia	52,13°N, 46,08°E	1700-1900AD	1700AD: 550; 1800AD: 2,2k; 1850AD: 4,1k; 1897AD: 6,8k; 1900AD: 7,1k
Rtishchevo-Russia	52,25°N, 43,78°E	1700-1900AD	1700AD: 400; 1850AD: 1,4k; 1871AD: 2,8k; 1897AD: 5,8k; 1900AD: 6,4k
Serdobsk-Russia	52,46°N, 44,22°E	1700-1900AD	1700AD: 950; 1750AD: 1,6k; 1800AD: 2,4k; 1850AD: 5,4k; 1897AD: 7,3k; 1900AD: 7,6k
Solenoye Zaymishche-Russia	47,91°N, 46,16°E	1700-1900AD	1700AD: 450; 1800AD: 1,4k; 1850AD: 2,9k; 1897AD: 5,2k; 1900AD: 5,4k
Volsk-Russia	52,04°N, 47,38°E	1700-1900AD	1700AD: 1,2k; 1750AD: 3,2k; 1800AD: 8,4k; 1850AD: 18,9k; 1897AD: 27,1k; 1900AD: 28,2k
Rudnya-Russia	50,80°N, 44,55°E	1705-1900AD	1705AD: 600; 1800AD: 2,6k; 1850AD: 4,9k; 1897AD: 8,1k; 1900AD: 8,4k
Selitrennoye-Russia	47,17°N, 47,44°E	1710-1900AD	1710AD: 450; 1800AD: 1,2k; 1850AD: 2,4k; 1897AD: 4,2k; 1900AD: 4,4k
Atkarsk-Russia	51,87°N, 45,01°E	1720-1900AD	1720AD: 750; 1780AD: 1,4k; 1800AD: 1,9k; 1850AD: 4,1k; 1897AD: 7,3k; 1900AD: 7,8k
Arkadak-Russia	51,93°N, 43,50°E	1721-1900AD	1721AD: 650; 1800AD: 2,2k; 1850AD: 4,2k; 1897AD: 7,0k; 1900AD: 7,2k
Antipovka-Russia	49,83°N, 45,31°E	1734-1900AD	1734AD: 550; 1800AD: 1,7k; 1850AD: 3,3k; 1897AD: 5,6k; 1900AD: 5,8k
Dubovka-Russia	49,06°N, 44,83°E	1734-1900AD	1734AD: 1,8k; 1750AD: 3,2k; 1800AD: 6,4k; 1850AD: 11,8k; 1897AD: 16,3k; 1900AD: 16,8k
Gorny Balykley-Russia	49,55°N, 45,06°E	1734-1900AD	1734AD: 600; 1800AD: 1,6k; 1850AD: 3,1k; 1897AD: 5,2k; 1900AD: 5,4k
Verkhniy Balykley-Russia	49,49°N, 45,09°E	1740-1900AD	1740AD: 650; 1800AD: 1,9k; 1850AD: 3,9k; 1897AD: 6,8k; 1900AD: 7,1k
Yenotayevsk-Russia	47,24°N, 47,03°E	1742-1900AD	1742AD: 850; 1800AD: 1,5k; 1850AD: 2,2k; 1897AD: 2,8k; 1900AD: 3,0k
Nikolayevskaya Sloboda-Russia	50,03°N, 45,46°E	1747-1900AD	1747AD: 750; 1800AD: 3,6k; 1850AD: 9,8k; 1897AD: 18,4k; 1900AD: 19,2k
Pokrovskaya Sloboda-Russia	51,48°N, 46,12°E	1747-1900AD	1747AD: 850; 1750AD: 1,1k; 1800AD: 4,8k; 1850AD: 11,2k; 1897AD: 21,6k; 1900AD: 23,0k
Balashov-Russia	51,55°N, 43,17°E	1750-1900AD	1750AD: 1,1k; 1800AD: 2,6k; 1850AD: 5,8k; 1897AD: 10,3k; 1900AD: 11,2k
Elton-Russia	49,13°N, 46,85°E	1750-1900AD	1750AD: 1,4k; 1800AD: 2,6k; 1850AD: 2,7k; 1897AD: 4,6k; 1900AD: 4,8k
Kamenny Yar-Russia	48,44°N, 45,52°E	1750-1900AD	1750AD: 650; 1800AD: 1,6k; 1850AD: 3,2k; 1897AD: 5,7k; 1900AD: 5,9k
Samoylovka-Russia	51,18°N, 43,70°E	1750-1900AD	1750AD: 950; 1800AD: 2,7k; 1850AD: 5,4k; 1897AD: 9,6k; 1900AD: 10,0k
Srednyaya Akhtuba-Russia	48,70°N, 44,87°E	1758-1900AD	1758AD: 750; 1800AD: 1,8k; 1850AD: 3,9k; 1897AD: 6,4k; 1900AD: 6,7k

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Dergachi-Russia	51,23°N, 48,77°E	1760-1900AD	1760AD: 600; 1850AD: 3,2k; 1897AD: 6,9k; 1900AD: 7,2k
Novouzensk-Russia	50,46°N, 48,14°E	1760-1900AD	1760AD: 650; 1800AD: 1,8k; 1850AD: 5,6k; 1897AD: 13,3k; 1900AD: 13,9k
Nikolskoye-Volga-Russia	47,77°N, 46,42°E	1761-1900AD	1761AD: 600; 1800AD: 1,6k; 1850AD: 3,3k; 1897AD: 6,2k; 1900AD: 6,4k
Balakovo-Russia	52,03°N, 47,78°E	1762-1900AD	1762AD: 850; 1800AD: 2,4k; 1850AD: 7,8k; 1897AD: 15,9k; 1900AD: 17,2k
Nikolayevsk-Irgiz-Russia	52,02°N, 48,80°E	1764-1900AD	1764AD: 900; 1800AD: 2,4k; 1850AD: 5,9k; 1897AD: 12,6k; 1900AD: 13,1k
Zamyany-Russia	46,81°N, 47,62°E	1764-1900AD	1764AD: 500; 1850AD: 1,8k; 1897AD: 3,1k; 1900AD: 3,3k
Kamenka-Russia	50,56°N, 45,45°E	1765-1900AD	1765AD: 345; 1800AD: 950; 1850AD: 2,5k; 1897AD: 5,0k; 1900AD: 5,2k
Sarepta-Russia	48,52°N, 44,55°E	1765-1900AD	1765AD: 250; 1775AD: 420; 1800AD: 780; 1850AD: 1,4k; 1897AD: 5,6k; 1900AD: 5,9k
Vetlyanka-Russia	47,55°N, 46,78°E	1765-1900AD	1765AD: 450; 1850AD: 1,6k; 1897AD: 2,9k; 1900AD: 3,0k
Mariental-Russia	51,41°N, 46,70°E	1766-1900AD	1766AD: 540; 1800AD: 1,4k; 1850AD: 4,1k; 1897AD: 7,2k; 1900AD: 7,5k
Nachalovo-Russia	46,34°N, 48,20°E	1766-1900AD	1766AD: 550; 1850AD: 1,9k; 1897AD: 3,7k; 1900AD: 3,8k
Balzer-Russia	51,02°N, 45,70°E	1767-1900AD	1767AD: 534; 1800AD: 1,4k; 1850AD: 4,1k; 1897AD: 8,2k; 1900AD: 8,6k
Doenhof-Russia	50,98°N, 45,55°E	1767-1900AD	1767AD: 510; 1800AD: 1,4k; 1850AD: 3,9k; 1897AD: 6,9k; 1900AD: 7,2k
Frank-Russia	50,80°N, 44,83°E	1767-1900AD	1767AD: 552; 1800AD: 1,6k; 1850AD: 4,8k; 1897AD: 9,6k; 1900AD: 10,1k
Grimm-Russia	50,92°N, 45,45°E	1767-1900AD	1767AD: 780; 1800AD: 1,9k; 1850AD: 5,8k; 1897AD: 10,8k; 1900AD: 11,2k
Hussenbach-Russia	50,70°N, 44,87°E	1767-1900AD	1767AD: 525; 1800AD: 1,4k; 1850AD: 4,2k; 1897AD: 8,2k; 1900AD: 8,5k
Katharinenstadt-Russia	51,70°N, 46,75°E	1767-1900AD	1767AD: 702; 1769AD: 725; 1800AD: 1,6k; 1850AD: 5,2k; 1897AD: 10,3k; 1900AD: 10,8k
Krasny Yar-German-Russia	50,70°N, 45,28°E	1767-1900AD	1767AD: 430; 1800AD: 1,1k; 1850AD: 3,3k; 1897AD: 6,2k; 1900AD: 6,4k
Kukkus-Russia	51,02°N, 45,95°E	1767-1900AD	1767AD: 320; 1800AD: 900; 1850AD: 2,6k; 1897AD: 4,6k; 1900AD: 4,8k
Messer-Russia	50,92°N, 45,60°E	1767-1900AD	1767AD: 415; 1800AD: 1,1k; 1850AD: 3,1k; 1897AD: 5,4k; 1900AD: 5,6k
Norka-Russia	51,15°N, 45,38°E	1767-1900AD	1767AD: 957; 1800AD: 2,4k; 1850AD: 7,3k; 1897AD: 11,6k; 1900AD: 12,1k
Schaffhausen-Russia	51,74°N, 46,92°E	1767-1900AD	1767AD: 330; 1800AD: 950; 1850AD: 2,7k; 1897AD: 4,8k; 1900AD: 5,0k
Schoenchen-Russia	51,59°N, 46,60°E	1767-1900AD	1767AD: 295; 1800AD: 850; 1850AD: 2,4k; 1897AD: 4,4k; 1900AD: 4,5k

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Seelmann-Russia	50,77°N, 46,05°E	1767-1900AD	1767AD: 465; 1800AD: 1,3k; 1850AD: 3,9k; 1897AD: 7,0k; 1900AD: 7,2k
Warenburg-Russia	50,95°N, 46,02°E	1767-1900AD	1767AD: 610; 1800AD: 1,6k; 1850AD: 4,6k; 1897AD: 8,3k; 1900AD: 8,6k
Bykovo-Russia	49,77°N, 45,38°E	1780-1900AD	1780AD: 950; 1850AD: 4,2k; 1897AD: 7,8k; 1900AD: 8,2k
Raygorod-Russia	48,55°N, 44,97°E	1780-1900AD	1780AD: 550; 1850AD: 2,1k; 1897AD: 4,0k; 1900AD: 4,1k
Zaplavnoye-Russia	48,70°N, 45,02°E	1780-1900AD	1780AD: 850; 1850AD: 3,6k; 1897AD: 6,1k; 1900AD: 6,3k
Kharabali-Russia	47,42°N, 47,25°E	1789-1900AD	1789AD: 850; 1850AD: 3,4k; 1897AD: 6,5k; 1900AD: 6,8k
Vladimirovka-Russia	48,28°N, 46,17°E	1793-1900AD	1793AD: 650; 1850AD: 2,8k; 1897AD: 7,9k; 1900AD: 8,4k
Sasykoli-Russia	47,55°N, 46,99°E	1795-1900AD	1795AD: 700; 1850AD: 2,6k; 1897AD: 5,1k; 1900AD: 5,3k
Alexandrov Gay-Russia	50,13°N, 48,57°E	1800-1900AD	1800AD: 950; 1850AD: 3,6k; 1897AD: 7,4k; 1900AD: 7,8k
Kolobovka-Russia	48,66°N, 45,48°E	1800-1900AD	1800AD: 700; 1850AD: 2,4k; 1897AD: 4,6k; 1900AD: 4,8k
Kalmyk Bazar-Russia	46,40°N, 47,97°E	1802-1900AD	1802AD: 450; 1850AD: 1,1k; 1897AD: 1,6k; 1900AD: 1,8k
Prishib-Russia	48,70°N, 45,20°E	1802-1900AD	1802AD: 850; 1850AD: 3,4k; 1897AD: 6,8k; 1900AD: 7,1k
Bolkhuny-Russia	47,98°N, 46,41°E	1805-1900AD	1805AD: 800; 1850AD: 3,1k; 1897AD: 6,0k; 1900AD: 6,2k
Kapustin Yar-Russia	48,58°N, 45,73°E	1805-1900AD	1805AD: 950; 1850AD: 3,8k; 1897AD: 6,9k; 1900AD: 7,2k
Tsarev-Russia	48,66°N, 45,38°E	1805-1900AD	1805AD: 1,4k; 1850AD: 4,6k; 1897AD: 7,0k; 1900AD: 7,2k
Ikryanoye-Russia	46,09°N, 47,73°E	1807-1900AD	1807AD: 550; 1850AD: 1,8k; 1897AD: 3,8k; 1900AD: 4,0k
Pologoye Zaymishche-Russia	48,42°N, 45,95°E	1810-1900AD	1810AD: 650; 1850AD: 2,3k; 1897AD: 4,4k; 1900AD: 4,6k
Khosheutovo-Russia	47,09°N, 47,59°E	1817-1900AD	1817AD: 450; 1850AD: 850; 1897AD: 1,4k; 1900AD: 1,4k
Zolotukha-Russia	47,77°N, 46,66°E	1820-1900AD	1820AD: 750; 1850AD: 2,5k; 1897AD: 4,8k; 1900AD: 5,0k
Khanskaya Stavka-Russia	48,77°N, 47,44°E	1826-1900AD	1826AD: 450; 1850AD: 1,8k; 1897AD: 2,6k; 1900AD: 2,7k
Remontnoye-Russia	46,56°N, 43,66°E	1848-1900AD	1848AD: 650; 1897AD: 5,8k; 1900AD: 6,2k
Volnoye-Russia	47,06°N, 47,56°E	1849-1900AD	1849AD: 950; 1897AD: 4,7k; 1900AD: 4,9k
Baskunchak-Russia	48,20°N, 46,88°E	1850-1900AD	1850AD: 1,8k; 1882AD: 4,5k; 1897AD: 8,2k; 1900AD: 8,8k
Gnadenflur-Russia	51,19°N, 47,66°E	1850-1900AD	1850AD: 650; 1897AD: 1,9k; 1900AD: 2,1k

(Continued from previous page)

Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Oranzherei-Russia	45,84°N, 47,56°E	1850-1900AD	1850AD: 1,1k; 1897AD: 3,6k; 1900AD: 3,8k
Priyutnoye-Russia	46,10°N, 43,50°E	1850-1900AD	1850AD: 550; 1897AD: 2,0k; 1900AD: 2,1k
Marfino-Russia	46,41°N, 48,72°E	1860-1900AD	1860AD: 1,4k; 1897AD: 3,9k; 1900AD: 4,1k
Talovka-Bukey-Russia	49,77°N, 48,59°E	1860-1900AD	1860AD: 550; 1897AD: 1,4k; 1900AD: 1,6k
Tsvetnoye-Russia	46,23°N, 48,62°E	1860-1900AD	1860AD: 1,2k; 1897AD: 3,4k; 1900AD: 3,6k
Elista-Russia	46,31°N, 44,26°E	1865-1900AD	1865AD: 150; 1880AD: 650; 1897AD: 1,4k; 1900AD: 1,6k
Novaya Kazanka-Russia	49,22°N, 49,09°E	1870-1900AD	1870AD: 650; 1897AD: 1,6k; 1900AD: 1,8k

Table 4. Complete directory of all 146 settlement entries and population series in lower_volga_settlements.json (10000BC - 1900AD).

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