CONFOEDERATIO,
RESEARCH DIVISION (CRD).

SETTLEMENT GAZETTEER OF THE PONTIC STEPPE.

Supplementary Tabular Directory and Settlement Population Histories of the Lower Don, Azov Littoral, and Kuban-Stavropol Steppe (10000BC - 1900AD).

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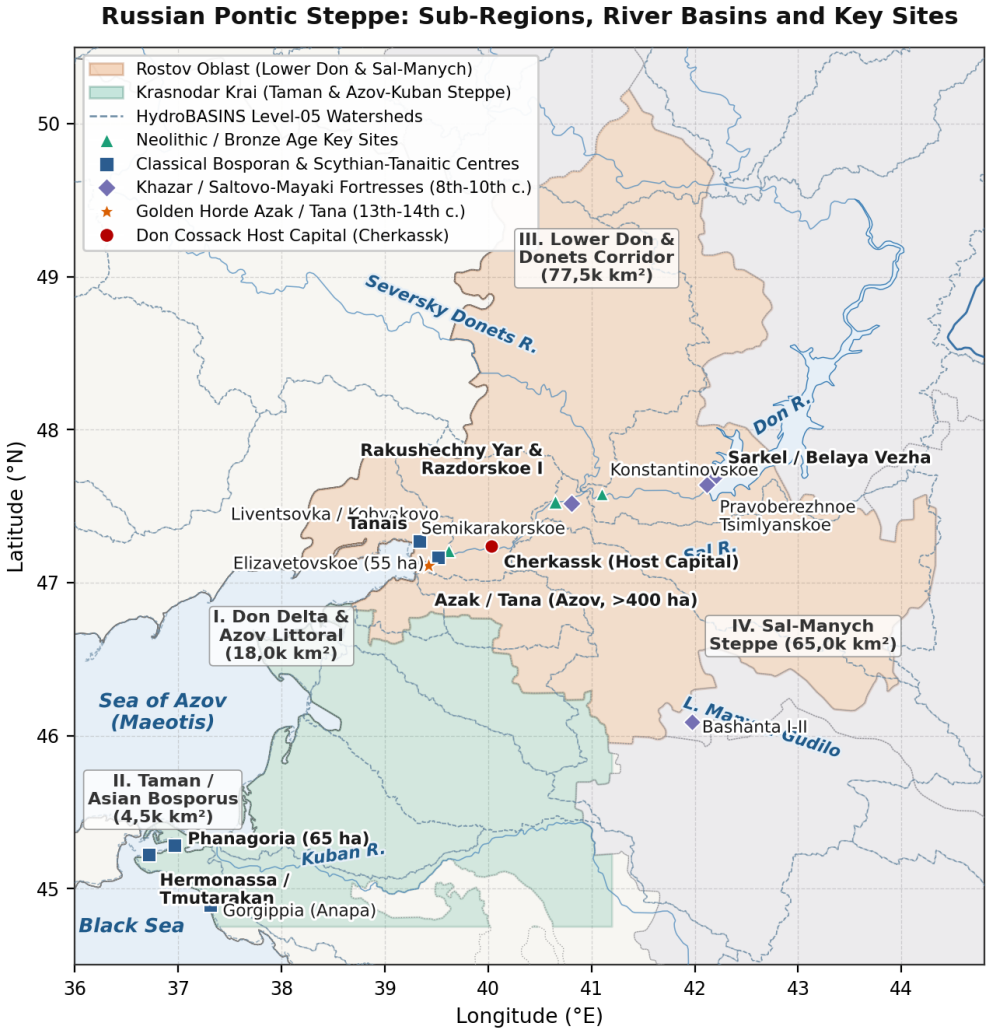


Figure 1. Cartographic basemap of the Russian Pontic Steppe (36,0°-44,8° E, 44,5°-50,5° N), showing administrative boundaries for Rostov Oblast and Krasnodar Krai and principal settlements catalogued in pontic_steppe_settlements.json.

Overview

This supplementary report presents the tabular settlement gazetteer (`pontic_steppe_settlements.json`) accompanying the regional demographic review of the Russian Pontic Steppe (`pontic_steppe_literature_review.pdf`). The JSON dataset contains 176 individual settlements across the Lower Don, Azov Littoral, Taman Peninsula and Kuban-Stavropol Steppe 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 dwelling floor areas and settlement plans for prehistoric and Bronze Age sites [1][2][3][4][5][6], walled urban areas and rural surveys for Classical Bosporan, Maeotian and Sarmatian settlements [7][8][9][10][11][12][13][14], fortress and urban excavations for Khazar Saltovo-Mayaki and Golden Horde cities [15][16][17][18][19][20] and Russian *Posolsky Prikaz* rolls, Imperial tax revisions (*revizii*) and the 1897 Census for Don and Kuban Cossack *stanitsas*, peasant *slobodas* and cities [21][22][23][24][25][26][27][28][29][30][31][32].

Prehistoric, Bronze Age, and Classical Settlements (10000BC - 500AD)

Settlement	Historical / Alternative Names	Coords	Occupied Span	Population Estimates by Date
Kamennaya Balka I	Kamennaya Balka I	47,28°N, 39,25°E	10000-8500BC	10000BC: 20; 8500BC: 25
Kamennaya Balka II	Kamennaya Balka II	47,28°N, 39,25°E	10000-8000BC	10000BC: 25; 8000BC: 35
Tretiy Mys	Tretiy Mys	47,28°N, 39,26°E	9500-8000BC	9500BC: 20; 8000BC: 30
Kremennaya	Kremennaya II-III	47,59°N, 41,05°E	8500-7000BC	8500BC: 30; 7000BC: 45
Shlyakhovskiy	Shlyakhovskiy	49,82°N, 43,15°E	7500-3500BC	7500BC: 30; 5500BC: 55; 3500BC: 90
Razdorskaya-2	Razdorskaya 2	47,55°N, 40,66°E	7200-6500BC	7200BC: 45; 6500BC: 60
Rakushechny Yar	Rakushechnyy Yar	47,56°N, 40,66°E	6200-3500BC	6200BC: 95; 6000BC: 110; 5000BC: 145; 4000BC: 160; 3500BC: 120
Matveyev Kurgan I	Matveev Kurgan I	47,57°N, 38,87°E	5800-5200BC	5800BC: 55; 5200BC: 65
Matveyev Kurgan II	Matveev Kurgan II	47,57°N, 38,87°E	5600-5000BC	5600BC: 50; 5000BC: 60
Razdorskaya-1	Razdorskoe I	47,54°N, 40,65°E	5500-2500BC	5500BC: 85; 4500BC: 110; 3500BC: 140; 2500BC: 120
Samsonovskoye	Samsonovskoe poselenie	47,56°N, 40,68°E	5000-3000BC	5000BC: 75; 4000BC: 105; 3000BC: 130
Unakozovskaya	Unakozovskaya peshchera; Meshoko	44,28°N, 40,18°E	4500-3300BC	4500BC: 80; 3800BC: 140; 3300BC: 175
Repin Khutor	Repin Khutor	49,05°N, 43,65°E	3700-2900BC	3700BC: 130; 3300BC: 165; 2900BC: 140

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Settlement	Historical / Alternative Names	Coords	Occupied Span	Population Estimates by Date
Konstantinovskoye	Konstantinovskoe poselenie	47,58°N, 41,10°E	3500-3000BC	3500BC: 180; 3300BC: 210; 3000BC: 190
Liventsovka	Liventsovskaya krepost; Liventsovka I	47,21°N, 39,57°E	2100-1700BC	2100BC: 220; 1900BC: 280; 1700BC: 210
Karatayevo Fortress	Karataevskaya krepost; Karataevo	47,22°N, 39,56°E	2000-1700BC	2000BC: 150; 1900BC: 190; 1700BC: 140
Safyanovo	Safyanovo	47,26°N, 39,48°E	1700-1200BC	1700BC: 210; 1500BC: 290; 1200BC: 195
Chaltyr-Srubnaya	Chaltyrskoe srubnoe poselenie	47,27°N, 39,51°E	1650-1200BC	1650BC: 160; 1500BC: 220; 1200BC: 150
Krasnogorovka-Don	Krasnogorovka	47,39°N, 40,35°E	1650-1150BC	1650BC: 145; 1400BC: 195; 1150BC: 140
Bessergenovka-Bronze	Bessergenovskoe poselenie	47,34°N, 40,20°E	1600-1100BC	1600BC: 150; 1400BC: 190; 1100BC: 140
Bezymyannoye	Bezymyannoe poselenie	47,41°N, 40,12°E	1600-1400BC	1600BC: 130; 1400BC: 175
Mokraya Balka	Mokraya Balka	47,34°N, 39,88°E	1600-1150BC	1600BC: 140; 1400BC: 185; 1150BC: 130
Novo-Zolotovskoye	Novo-Zolotovskoe poselenie	47,59°N, 40,94°E	1600-1400BC	1600BC: 135; 1400BC: 180
Pokrovskoye-Don	Pokrovskoe srubnoe poselenie	47,41°N, 38,90°E	1600-1200BC	1600BC: 155; 1400BC: 210; 1200BC: 145
Yanokhutor	Yanokhutor	47,48°N, 40,51°E	1550-1350BC	1550BC: 125; 1350BC: 165
Krasnodar-Kobyakovo	Krasnodarskoe kobyakovskoe poselenie	45,02°N, 38,98°E	1250-850BC	1250BC: 240; 1050BC: 320; 850BC: 210
Kobyakovo Gorodishche	Kobyakovo gorodishche	47,25°N, 39,84°E	1150BC - 240AD	1150BC: 480; 950BC: 320; 1AD: 1,1k; 150AD: 1,6k; 240AD: 1,4k
Kremnoi	Taganrogskoe grecheskoe poselenie; Kremny	47,21°N, 38,94°E	620-525BC	620BC: 420; 550BC: 650; 525BC: 380
Hermonassa	Germonassa; Tamatarkha	45,22°N, 36,72°E	550BC - 1340AD	550BC: 1,8k; 350BC: 5,0k; 1AD: 4,0k; 150AD: 4,2k; 500AD: 3,1k
Kepoi	Kepy	45,29°N, 37,00°E	550BC - 350AD	550BC: 1,1k; 350BC: 3,0k; 100BC: 2,6k; 1AD: 2,3k; 150AD: 2,4k; 350AD: 950
Elizavetovskoye Gorodishche	Elizavetovskoe gorodishche	47,15°N, 39,51°E	500-300BC	500BC: 950; 400BC: 2,4k; 350BC: 3,5k; 300BC: 2,8k
Gorgippia	Gorgippiya; Mapa	44,89°N, 37,32°E	500BC - 1340AD	500BC: 2,1k; 350BC: 6,0k; 100BC: 5,2k; 1AD: 5,0k; 150AD: 5,5k; 235AD: 4,8k

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Settlement	Historical / Alternative Names	Coords	Occupied Span	Population Estimates by Date
Korokondama	Mys Tuzla	45,20°N, 36,60°E	500BC - 150AD	500BC: 550; 350BC: 1,1k; 1AD: 850; 150AD: 920
Patraeus	Patrey; Garkushi	45,32°N, 36,83°E	500BC - 800AD	500BC: 900; 350BC: 2,1k; 1AD: 1,5k; 150AD: 1,6k; 400AD: 850
Phanagoria	Fanagoriya; Sennoy	45,28°N, 36,97°E	500BC - 900AD	500BC: 3,2k; 350BC: 9,5k; 100BC: 8,2k; 1AD: 7,5k; 150AD: 7,8k; 400AD: 4,2k
Cimmeris	Kimmerida; Temryukskoe poselenie	45,31°N, 37,26°E	480BC - 150AD	480BC: 450; 350BC: 750; 1AD: 580; 150AD: 620
Labrys	Labris; Semibratnee gorodishche	45,07°N, 37,57°E	480-150BC	480BC: 1,6k; 400BC: 2,2k; 300BC: 1,8k; 150BC: 1,1k
Tyramba	Tiramba; Peresyp	45,34°N, 37,14°E	480BC - 150AD	480BC: 620; 350BC: 1,1k; 1AD: 850; 150AD: 920
Achilleion	Akhilliy; Ilichevskoe gorodishche	45,42°N, 36,76°E	450BC - 800AD	450BC: 480; 350BC: 850; 1AD: 780; 150AD: 900; 500AD: 1,1k
Beglitskoye	Beglitskoe gorodishche i nekropol	47,12°N, 38,56°E	450-250BC	450BC: 460; 350BC: 620; 250BC: 410
Kimmerikon	Kimmerik; Opuk	45,02°N, 36,21°E	450BC - 270AD	450BC: 650; 300BC: 1,1k; 1AD: 950; 150AD: 1,0k; 270AD: 600
Bata	Novorossiysk-Antichnyy	44,72°N, 37,78°E	400BC - 150AD	400BC: 750; 250BC: 950; 1AD: 820; 150AD: 880
Elizavetinskoye-Kuban	Elizavetinskoe gorodishche na Kubani	45,05°N, 38,80°E	400BC - 1AD	400BC: 1,8k; 300BC: 2,4k; 100BC: 1,9k; 1AD: 1,6k
Khapry	Khaprovskoe gorodishche	47,24°N, 39,51°E	400BC - 240AD	400BC: 380; 1AD: 520; 150AD: 710; 240AD: 560
Starokorsunskoye-2	Starokorsunskoe gorodishche № 2	45,05°N, 39,31°E	400BC - 150AD	400BC: 1,2k; 200BC: 1,6k; 1AD: 1,4k; 150AD: 1,6k
Mokry Chaltyr	Mokro-Chaltyrskoe gorodishche	47,24°N, 39,49°E	350BC - 150AD	350BC: 420; 1AD: 540; 150AD: 690
Pashkovskoye Gorodishche	Pashkovskoe gorodishche	45,02°N, 39,09°E	350BC - 150AD	350BC: 950; 100BC: 1,3k; 1AD: 1,2k; 150AD: 1,4k
Ust-Labinskoye-Maeotian	Ust-Labinskoe meotskoe gorodishche	45,20°N, 39,69°E	350BC - 150AD	350BC: 1,1k; 100BC: 1,4k; 1AD: 1,6k; 150AD: 1,7k
Artezian	Gorodishche Artezian	45,39°N, 36,17°E	300BC - 150AD	300BC: 520; 100BC: 680; 1AD: 750; 45AD: 850; 150AD: 640
Ladozhskoye-Maeotian	Ladozhskoe gorodishche	45,30°N, 39,94°E	300BC - 150AD	300BC: 850; 1AD: 1,1k; 150AD: 1,3k

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Settlement	Historical / Alternative Names	Coords	Occupied Span	Population Estimates by Date
Raevskoye Gorodishche	Raevskoe gorodishche	44,84°N, 37,55°E	300BC - 150AD	300BC: 680; 100BC: 920; 1AD: 850; 150AD: 780
Tanais	Nedvigovskoe gorodishche; Nedvigovka	47,27°N, 39,34°E	275BC - 400AD	275BC: 1,8k; 200BC: 3,2k; 50BC: 2,6k; 1AD: 2,8k; 150AD: 4,2k; 240AD: 3,8k; 400AD: 950
Kazanskoye-Maeotian	Kazanskoe meotskoe gorodishche	45,41°N, 40,42°E	250BC - 150AD	250BC: 780; 1AD: 1,0k; 150AD: 1,2k
Nizhne-Gnilovskoye	Nizhne-Gnilovskoe gorodishche	47,20°N, 39,62°E	50BC - 240AD	50BC: 750; 1AD: 980; 150AD: 1,4k; 240AD: 1,1k
Podazovskoye	Podazovskoe gorodishche	47,11°N, 39,38°E	50BC - 240AD	50BC: 550; 1AD: 720; 150AD: 920; 240AD: 760
Kislyakovskoye	Kislyakovskoe gorodishche	47,23°N, 39,80°E	1-240AD	1AD: 480; 150AD: 640; 240AD: 520
Krepkoye	Krepkoe gorodishche	47,10°N, 39,40°E	1-240AD	1AD: 480; 150AD: 630; 240AD: 510
Krepostnoye	Krepostnoe gorodishche	47,11°N, 39,42°E	1-240AD	1AD: 620; 150AD: 850; 240AD: 680
Sukho-Chaltyrskoye	Sukho-Chaltyrskoe gorodishche	47,24°N, 39,47°E	1-240AD	1AD: 450; 150AD: 600; 240AD: 490
Temernitskoye Gorodishche	Temernitskoe gorodishche	47,22°N, 39,70°E	1-240AD	1AD: 580; 150AD: 780; 240AD: 620

Table 1. Prehistoric, Bronze Age, Classical Bosporan, Maeotian and Sarmatian settlements of the Russian Pontic Steppe (10000BC - 500AD) compiled from pontic_steppe_settlements.json.

Medieval Khazar, Rus, and Golden Horde Settlements (650 - 1550AD)

Settlement	Historical Names	Coords	750-850AD	900AD	1000-1200AD	1340AD	1380-1500AD
Hermonassa	Germonassa; Tamatarkha	45,22°N, 36,72°E	5,5k	7,5k	5,2k	4,5k	-
Gorgippia	Gorgippiya; Mapa	44,89°N, 37,32°E	-	-	-	2,2k	-
Patraeus	Patrey; Garkushi	45,32°N, 36,83°E	1,1k	-	-	-	-
Phanagoria	Fanagoriya; Sennoy	45,28°N, 36,97°E	3,5k	2,8k	-	-	-
Achilleion	Akhilliy; Ilichevskoe gorodishche	45,42°N, 36,76°E	950	-	-	-	-

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Settlement	Historical Names	Coords	750-850AD	900AD	1000-1200AD	1340AD	1380-1500AD
Krymskiy Gorodok	Krymskoe gorodishche; Krymskiy kompleks	47,58°N, 40,80°E	1,4k	1,5k	-	-	-
Pravoberezhnoye Tsimlyanskoye	Pravoberezhnoe Tsimlyanskoe gorodishche	47,67°N, 42,19°E	1,1k	-	-	-	-
Semikarakorskoye Gorodishche	Semikarakorskoe gorodishche	47,53°N, 40,85°E	2,5k	2,7k	-	-	-
Verkhniy Saltov	Verkhnesaltovskoe gorodishche	50,13°N, 36,80°E	3,4k	3,9k	-	-	-
Zolotovskoye Gorodishche	Zolotovskoe gorodishche	47,62°N, 40,92°E	850	950	-	-	-
Bashanta	Bashanta I-II	46,22°N, 41,97°E	480	650	-	-	-
Dmitrievskoye-Don	Dmitrievskoe gorodishche	50,16°N, 38,45°E	1,1k	1,2k	-	-	-
Kamyshevskoye Gorodishche	Kamyshevskoe gorodishche	47,65°N, 41,98°E	620	780	-	-	-
Karnaukhovskoye Gorodishche	Karnaukhovskoe gorodishche	47,69°N, 42,15°E	580	740	-	-	-
Mayatskoye Gorodishche	Mayatskoe gorodishche; Divnogore	50,98°N, 39,30°E	1,6k	1,8k	-	-	-
Sukhaya Gomolsha	Sukhaya Gomolsha	49,56°N, 36,35°E	550	720	-	-	-
Sarkel	Belaya Vezha; Levoberezhnoe Tsimlyanskoe gorodishche	47,70°N, 42,27°E	2,8k	3,8k	2,4k	-	-
Azak	Tana	47,11°N, 39,42°E	-	-	-	34,0k	3,5k
Madzhar	Budyonnovskoe gorodishche	44,80°N, 44,16°E	-	-	-	35,0k	3,5k
Copa	Kopa; Lo-Kopa	45,27°N, 37,38°E	-	-	-	3,2k	2,2k
Kuchugury-Golden-Horde	Kuchugury; Belorechenskoe poselenie	45,41°N, 36,95°E	-	-	-	1,6k	850
Azov	Posad Azov	47,11°N, 39,42°E	-	-	-	-	4,2k
Taman	Stanitsa Tamanskaya	45,22°N, 36,72°E	-	-	-	-	2,5k
Mityakinskaya	Mityakinskaya stanitsa	48,55°N, 39,75°E	-	-	-	-	-

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Settlement	Historical Names	Coords	750-850AD	900AD	1000-1200AD	1340AD	1380-1500AD
Razdorskaya	Razdory; Razdorskiy gorodok	47,54°N, 40,65°E	-	-	-	-	-

Table 2. Medieval Khazar, Saltovo-Mayaki, Rus and Golden Horde settlements of the Russian Pontic Steppe (650 - 1550AD) compiled from pontic_steppe_settlements.json.

Early Modern and Imperial Settlements (1550 - 1900AD)

Settlement	Alternative Names	Coords	1600AD	1700AD	1800AD	1850AD	1897AD	1900AD
Azov	Posad Azov	47,11°N, 39,42°E	5,5k	9,5k	3,8k	5,6k	27,5k	28,2k
Taman	Stanitsa Tamanskaya	45,22°N, 36,72°E	2,7k	2,8k	2,1k	3,1k	4,3k	4,4k
Mityakinskaya	Mityakinskaya stanitsa	48,55°N, 39,75°E	480	820	2,5k	4,6k	8,0k	8,2k
Razdorskaya	Razdory; Razdorskiy gorodok	47,54°N, 40,65°E	1,6k	1,4k	2,9k	4,1k	5,6k	5,8k
Temryuk	Temryuk	45,27°N, 37,39°E	2,1k	2,4k	1,9k	5,4k	14,7k	15,3k
Starocherkasskaya	Cherkassk; Starocherkasskiy gorodok	47,24°N, 40,03°E	4,8k	8,5k	15,2k	5,4k	5,1k	5,2k
Monastyrsky Gorodok	Monastyrskiy gorodok; Monastyrskiy Yar	47,23°N, 39,96°E	1,8k	-	-	-	-	-
Ust-Medveditskaya	Ust-Medveditskaya stanitsa; Serafimovich	49,58°N, 42,73°E	550	1,1k	3,5k	6,8k	11,9k	12,3k
Konstantinovskaya	Konstantinovskaya stanitsa; Konstanti-novsk	47,58°N, 41,10°E	550	1,1k	2,9k	5,1k	9,3k	9,6k
Manychskaya	Manychskaya stanitsa; Manychskiy gorodok	47,25°N, 40,26°E	450	900	2,1k	3,6k	5,6k	5,8k
Tsimlyanskaya	Tsimlyanskaya stanitsa; Ust-Tsimla	47,64°N, 42,10°E	550	1,2k	3,4k	5,3k	7,6k	7,8k

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Settlement	Alternative Names	Coords	1600AD	1700AD	1800AD	1850AD	1897AD	1900AD
Uryupinskaya	Uryupinskaya stanitsa; Uryupinsk	50,80°N, 42,00°E	550	980	3,4k	6,9k	11,3k	11,6k
Nizhne-Chirskaya	Nizhne-Chirskaya stanitsa	48,36°N, 43,08°E	650	1,4k	4,8k	8,5k	14,1k	14,5k
Bagayevskaya	Bagaevskaya stanitsa; Bagaevskiy gorodok	47,32°N, 40,39°E	550	950	2,5k	4,5k	7,8k	8,1k
Pyatiizbyanskaya	Pyatiizbyanskaya stanitsa	48,55°N, 43,40°E	500	880	2,6k	4,8k	8,7k	8,9k
Mikhaylovskaya Khopyor	Mikhaylovskaya stanitsa na Khopre	50,62°N, 42,27°E	-	1,0k	3,3k	6,7k	12,9k	13,3k
Kamenskaya	Kamenskaya stanitsa; Kamensk-Shakhtinskiy	48,32°N, 40,27°E	-	1,1k	4,2k	9,8k	23,6k	24,5k
Bessergenevskaya	Bessergenevskaya stanitsa	47,37°N, 40,20°E	-	820	2,1k	3,8k	6,4k	6,6k
Filonovskaya	Filonovskaya stanitsa	50,40°N, 42,74°E	-	520	2,4k	4,8k	9,0k	9,2k
Golubinskaya	Golubinskaya stanitsa	48,85°N, 43,52°E	-	540	2,4k	4,5k	8,2k	8,5k
Ilovlinskaya	Ilovlinskaya stanitsa	49,30°N, 43,98°E	-	950	2,7k	4,9k	8,1k	8,3k
Kachalinskaya	Kachalinskaya stanitsa; Kachalin	49,09°N, 43,95°E	-	1,1k	3,2k	5,6k	7,8k	8,1k
Kletskaya	Kletskaya stanitsa	49,31°N, 43,06°E	-	920	2,8k	5,1k	8,8k	9,1k
Kochetovskaya	Kochetovskaya stanitsa	47,55°N, 40,87°E	-	520	2,1k	3,9k	7,0k	7,2k
Kotelnikovo	Kotelnikovskaya stanitsa	47,63°N, 43,13°E	-	450	1,6k	3,2k	6,4k	6,8k
Kremenskaya	Kremenskaya stanitsa	49,28°N, 43,48°E	-	480	2,0k	3,9k	7,1k	7,3k
Migulinskaya	Migulinskaya stanitsa	49,69°N, 41,40°E	-	820	2,6k	5,1k	9,3k	9,6k
Perekopskaya	Perekopskaya stanitsa	49,27°N, 43,40°E	-	500	2,1k	4,2k	7,6k	7,9k
Potyomkinskaya	Potemkinskaya stanitsa; Zimoveyskaya	47,83°N, 42,55°E	-	850	2,4k	4,6k	8,4k	8,6k
Raspopinskaya	Raspopinskaya stanitsa	49,41°N, 42,84°E	-	520	2,3k	4,6k	8,4k	8,7k

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Settlement	Alternative Names	Coords	1600AD	1700AD	1800AD	1850AD	1897AD	1900AD
Semikarakorskaya	Semikarakorskaya stanitsa	47,52°N, 40,80°E	-	950	2,6k	4,7k	8,1k	8,3k
Ust-Khopyorskaya	Ust-Khoperskaya stanitsa	49,49°N, 42,45°E	-	550	2,5k	4,9k	8,8k	9,1k
Vyoshenskaya	Veshenskaya stanitsa	49,63°N, 41,73°E	-	950	2,9k	5,6k	10,2k	10,6k
Gundorovskaya	Gundorovskaya stanitsa	48,35°N, 39,95°E	-	750	2,4k	4,3k	7,4k	7,6k
Luganskaya-Don	Luganskaya stanitsa	48,70°N, 39,47°E	-	850	2,8k	5,4k	9,6k	9,9k
Kazanskaya-Don	Kazanskaya stanitsa	49,80°N, 41,15°E	-	850	2,7k	5,2k	9,5k	9,8k
Achuev	Achuevskaya krepost	45,72°N, 37,77°E	-	1,2k	-	1,8k	2,9k	-
Yelanskaya	Elanskaya stanitsa	49,59°N, 42,02°E	-	520	2,4k	4,8k	8,9k	9,2k
Aksayskaya	Stanitsa Aksayskaya; Ust-Aksayskiy stan	47,27°N, 39,87°E	-	750	3,1k	4,9k	7,6k	7,8k
Esaulovskaya	Esaulovskaya stanitsa	48,10°N, 42,84°E	-	780	2,3k	4,4k	8,0k	8,2k
Kurmoyarskaya	Kurmoyarskaya stanitsa	47,77°N, 42,38°E	-	720	2,1k	4,1k	7,3k	7,5k
Melikhovskaya	Melikhovskaya stanitsa	47,47°N, 40,48°E	-	780	1,9k	3,5k	5,9k	6,0k
Novoanninskaya	Novoanninskaya stanitsa; Novoanninskiy	50,52°N, 42,67°E	-	600	2,6k	5,1k	9,6k	9,9k
Taganrog	Troitsk-na-Tagan-Roge	47,24°N, 38,90°E	-	8,2k	7,4k	22,5k	51,4k	53,0k
Verkhne-Chirskaya	Verkhne-Chirskaya stanitsa	48,44°N, 43,09°E	-	850	2,8k	5,2k	9,2k	9,4k
Kalitvenskaya	Kalitvenskaya stanitsa	48,26°N, 40,42°E	-	550	2,2k	4,4k	8,2k	8,4k
Ust-Belokalitvenskaya	Ust-Belokalitvenskaya stanitsa; Belaya Kalitva	48,18°N, 40,78°E	-	650	2,6k	5,2k	9,8k	10,2k
Elizavetinskaya-Don	Elizavetinskaya stanitsa na Donu	47,15°N, 39,52°E	-	-	2,6k	5,8k	11,3k	11,7k
Grushevskaya	Grushevskaya stanitsa	47,45°N, 39,97°E	-	-	1,9k	3,6k	6,2k	6,4k
Kagalnik	Selo Kagalnik	47,09°N, 39,33°E	-	-	1,9k	4,2k	7,9k	8,2k

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Settlement	Alternative Names	Coords	1600AD	1700AD	1800AD	1850AD	1897AD	1900AD
Krivyanskaya	Krivyanskaya stanitsa	47,41°N, 40,16°E	-	-	2,4k	4,2k	6,9k	7,2k
Rostov-on-Don	Rostov-na-Donu; Krepost Svyatogo Dimitriya Rostovskogo	47,22°N, 39,72°E	-	-	4,1k	12,6k	119,5k	125,0k
Zaplavskaya	Zaplavskaya stanitsa	47,34°N, 40,20°E	-	-	2,1k	3,6k	5,7k	5,9k
Bataysk	Batayskaya sloboda	47,14°N, 39,75°E	-	-	2,3k	6,1k	14,0k	14,6k
Koysug	Koysugskaya sloboda	47,15°N, 39,67°E	-	-	1,9k	5,3k	13,2k	13,7k
Samarskoye	Samarskoe	46,94°N, 39,70°E	-	-	1,8k	4,6k	9,8k	10,2k
Primorsko-Akhtarsk	Akhtarskiy khutor	46,05°N, 38,18°E	-	-	450	1,8k	6,8k	7,2k
Aleksandrovskaya-Don	Aleksandrovskaya stanitsa	47,22°N, 39,80°E	-	-	1,2k	2,4k	4,4k	4,5k
Stavropol-Kavkazsky	Stavropol-Kavkazskiy; Stavropol	45,04°N, 41,97°E	-	-	2,9k	14,8k	41,6k	43,2k
Yekaterininskaya	Yekaterininskaya stanitsa	47,92°N, 40,91°E	-	-	750	3,8k	7,9k	8,2k
Yeysk	Eysk; Khanskiy gorodok	46,71°N, 38,27°E	-	-	1,8k	7,8k	35,4k	36,8k
Nakhichevan-on-Don	Nakhichevan-na-Donu; Nor-Nakhichevan	47,23°N, 39,76°E	-	-	8,4k	14,2k	28,4k	29,2k
Praskoveya	Svyatoy Krest; Budyonnovsk	44,74°N, 44,20°E	-	-	1,1k	5,2k	11,8k	12,4k
Blagodarnoye	Blagodarnoe; Blagodarnyy	45,09°N, 43,44°E	-	-	950	4,6k	12,2k	12,7k
Anapa	Anapa	44,89°N, 37,32°E	-	-	4,5k	3,2k	6,9k	7,3k
Margaritovka	Margaritovka	46,88°N, 38,95°E	-	-	650	2,4k	5,1k	5,3k
Millerovo	Millerovo	48,92°N, 40,40°E	-	-	350	1,1k	6,5k	7,1k
Petrovskoye-Stavropol	Petrovskoe; Svetlograd	45,34°N, 42,85°E	-	-	900	4,9k	12,6k	13,2k
Peshkovo	Peshkovo	47,02°N, 39,47°E	-	-	700	2,8k	6,4k	6,6k
Bryukhovetskaya	Bryukhovetskaya stanitsa	45,80°N, 39,00°E	-	-	950	3,7k	9,9k	10,2k
Dinskaya	Dinskaya stanitsa	45,22°N, 39,23°E	-	-	900	3,5k	9,4k	9,8k

(Continued from previous page)

Settlement	Alternative Names	Coords	1600AD	1700AD	1800AD	1850AD	1897AD	1900AD
Kanevskaya	Kanevskaya stanitsa	46,08°N, 38,97°E	-	-	1,3k	4,1k	10,3k	10,7k
Kavkazskaya	Kavkazskaya stanitsa; Kropotkin	45,43°N, 40,58°E	-	-	1,1k	4,1k	14,6k	15,6k
Korenovskaya	Korenovskaya stanitsa; Korenovsk	45,47°N, 39,45°E	-	-	950	3,6k	10,2k	10,6k
Kushchevskaya	Kushchevskaya stanitsa	46,57°N, 39,63°E	-	-	950	3,0k	8,5k	8,8k
Poltavskaya	Poltavskaya stanitsa	45,37°N, 38,22°E	-	-	1,4k	4,6k	10,4k	10,8k
Starominskaya	Starominskaya stanitsa	46,53°N, 39,05°E	-	-	1,2k	4,2k	11,0k	11,4k
Staroshcherbinovskaya	Staroshcherbinovskaya stanitsa	46,63°N, 38,67°E	-	-	1,4k	4,3k	10,9k	11,3k
Timashevskaya	Timashevskaya stanitsa; Timashevsk	45,62°N, 38,95°E	-	-	1,2k	3,9k	9,6k	10,1k
Umanskaya	Umanskaya stanitsa; Leningrad-skaya	46,32°N, 39,39°E	-	-	1,4k	4,4k	11,1k	11,6k
Ust-Labinskaya	Ust-Labinskaya stanitsa; Ust-Labinsk	45,22°N, 39,68°E	-	-	1,1k	4,2k	10,8k	11,2k
Gnilovskaya	Gnilovskaya stanitsa	47,20°N, 39,62°E	-	-	950	3,2k	6,6k	6,8k
Kuleshovka	Kuleshovka	47,12°N, 39,55°E	-	-	650	2,3k	5,2k	5,4k
Slavyanskaya	Slavyanskaya stanitsa; Slavyansk-na-Kubani	45,26°N, 38,12°E	-	-	1,4k	5,2k	15,2k	15,8k
Sulin	Sulinskiy zavod; Krasnyy Sulin	47,88°N, 40,07°E	-	-	450	1,2k	10,0k	11,2k
Velikoknyazheskaya	Velikoknyazheskaya stanitsa; Proletarsk	46,70°N, 41,73°E	-	-	850	2,4k	5,7k	6,1k
Medvezhye	Medvezhenskoe; Medvezhe	45,84°N, 41,52°E	-	-	950	4,8k	12,4k	12,9k
Novobataysk	Novobataysk	46,97°N, 39,76°E	-	-	750	2,7k	6,3k	6,6k
Novocherkassk	Novocherkassk	47,42°N, 40,09°E	-	-	7,8k	17,9k	52,0k	53,5k
Kagalnitskaya	Kagalnitskaya stanitsa	46,88°N, 40,15°E	-	-	950	2,6k	6,2k	6,4k

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Settlement	Alternative Names	Coords	1600AD	1700AD	1800AD	1850AD	1897AD	1900AD
Mechetinskaya	Mechetinskaya stanitsa	46,77°N, 40,38°E	-	-	900	2,4k	6,2k	6,4k
Yegorlykskaya	Egorlykskaya stanitsa	46,56°N, 40,66°E	-	-	850	2,2k	6,2k	6,4k
Belaya Glina	Belaya Glina	46,08°N, 40,87°E	-	-	1,2k	5,4k	14,2k	14,8k
Pavlovskaya	Pavlovskaya stanitsa	46,13°N, 39,78°E	-	-	-	3,8k	8,8k	9,2k
Aleksandrovsk-Grushevsky	Aleksandrovsk-Grushevskiy; Shakhty	47,71°N, 40,21°E	-	-	-	2,6k	16,5k	18,2k
Dolzhanskaya	Dolzhanskaya stanitsa	46,63°N, 37,80°E	-	-	-	1,4k	8,2k	8,6k
Kamyshevatskaya	Kamyshevatskaya stanitsa	46,40°N, 37,95°E	-	-	-	1,2k	7,5k	7,8k
Tikhoretskaya	Tikhoretskaya stanitsa; Tikhoretsk	45,85°N, 40,12°E	-	-	-	1,2k	10,2k	11,2k
Krymskaya	Krymskaya stanitsa; Krymsk	44,93°N, 37,98°E	-	-	-	2,4k	14,1k	14,8k
Morozovskaya	Morozovskaya stanitsa; Morozovsk	48,35°N, 41,83°E	-	-	-	-	5,0k	5,8k

Table 3. Cossack gorodki and stanitsas, peasant slobodas, ports and industrial cities of the Russian Pontic Steppe (1550 - 1900AD) compiled from pontic_steppe_settlements.json.

Complete Settlement Gazetteer

Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Kamennaya Balka I-Russia	47,28°N, 39,25°E	10000-8500BC	10000BC: 20; 8500BC: 25
Kamennaya Balka II-Russia	47,28°N, 39,25°E	10000-8000BC	10000BC: 25; 8000BC: 35
Tretiy Mys-Russia	47,28°N, 39,26°E	9500-8000BC	9500BC: 20; 8000BC: 30
Kremennaya-Russia	47,59°N, 41,05°E	8500-7000BC	8500BC: 30; 7000BC: 45
Shlyakhovskiy-Russia	49,82°N, 43,15°E	7500-3500BC	7500BC: 30; 5500BC: 55; 3500BC: 90
Razdorskaya-2-Russia	47,55°N, 40,66°E	7200-6500BC	7200BC: 45; 6500BC: 60
Rakushechny Yar-Russia	47,56°N, 40,66°E	6200-3500BC	6200BC: 95; 6000BC: 110; 5000BC: 145; 4000BC: 160; 3500BC: 120
Matveyev Kurgan I-Russia	47,57°N, 38,87°E	5800-5200BC	5800BC: 55; 5200BC: 65

(Continued from previous page)

Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Matveyev Kurgan II-Russia	47,57°N, 38,87°E	5600-5000BC	5600BC: 50; 5000BC: 60
Razdorskaya-1-Russia	47,54°N, 40,65°E	5500-2500BC	5500BC: 85; 4500BC: 110; 3500BC: 140; 2500BC: 120
Samsonovskoye-Russia	47,56°N, 40,68°E	5000-3000BC	5000BC: 75; 4000BC: 105; 3000BC: 130
Unakozovskaya-Russia	44,28°N, 40,18°E	4500-3300BC	4500BC: 80; 3800BC: 140; 3300BC: 175
Repin Khutor-Russia	49,05°N, 43,65°E	3700-2900BC	3700BC: 130; 3300BC: 165; 2900BC: 140
Konstantinovskoye-Russia	47,58°N, 41,10°E	3500-3000BC	3500BC: 180; 3300BC: 210; 3000BC: 190
Liventsovka-Russia	47,21°N, 39,57°E	2100-1700BC	2100BC: 220; 1900BC: 280; 1700BC: 210
Karatayevo Fortress-Russia	47,22°N, 39,56°E	2000-1700BC	2000BC: 150; 1900BC: 190; 1700BC: 140
Safyanovo-Russia	47,26°N, 39,48°E	1700-1200BC	1700BC: 210; 1500BC: 290; 1200BC: 195
Chaltyr-Srubnaya-Russia	47,27°N, 39,51°E	1650-1200BC	1650BC: 160; 1500BC: 220; 1200BC: 150
Krasnogorovka-Don-Russia	47,39°N, 40,35°E	1650-1150BC	1650BC: 145; 1400BC: 195; 1150BC: 140
Bessergenovka-Bronze-Russia	47,34°N, 40,20°E	1600-1100BC	1600BC: 150; 1400BC: 190; 1100BC: 140
Bezymyannoye-Russia	47,41°N, 40,12°E	1600-1400BC	1600BC: 130; 1400BC: 175
Mokraya Balka-Russia	47,34°N, 39,88°E	1600-1150BC	1600BC: 140; 1400BC: 185; 1150BC: 130
Novo-Zolotovskoye-Russia	47,59°N, 40,94°E	1600-1400BC	1600BC: 135; 1400BC: 180
Pokrovskoye-Don-Russia	47,41°N, 38,90°E	1600-1200BC	1600BC: 155; 1400BC: 210; 1200BC: 145
Yanokhutor-Russia	47,48°N, 40,51°E	1550-1350BC	1550BC: 125; 1350BC: 165
Krasnodar-Kobyakovo-Russia	45,02°N, 38,98°E	1250-850BC	1250BC: 240; 1050BC: 320; 850BC: 210
Kobyakovo Gorodishche-Russia	47,25°N, 39,84°E	1150BC - 240AD	1150BC: 480; 950BC: 320; 1AD: 1,1k; 150AD: 1,6k; 240AD: 1,4k
Kremnoi-Russia	47,21°N, 38,94°E	620-525BC	620BC: 420; 550BC: 650; 525BC: 380
Hermonassa-Russia	45,22°N, 36,72°E	550BC - 1340AD	550BC: 1,8k; 350BC: 5,0k; 1AD: 4,0k; 150AD: 4,2k; 500AD: 3,1k; 750AD: 5,5k; 900AD: 7,5k; 1000AD: 8,2k; 1200AD: 5,2k; 1340AD: 4,5k
Kepoi-Russia	45,29°N, 37,00°E	550BC - 350AD	550BC: 1,1k; 350BC: 3,0k; 100BC: 2,6k; 1AD: 2,3k; 150AD: 2,4k; 350AD: 950
Elizavetovskoye Gorodishche-Russia	47,15°N, 39,51°E	500-300BC	500BC: 950; 400BC: 2,4k; 350BC: 3,5k; 300BC: 2,8k
Gorgippia-Russia	44,89°N, 37,32°E	500BC - 1340AD	500BC: 2,1k; 350BC: 6,0k; 100BC: 5,2k; 1AD: 5,0k; 150AD: 5,5k; 235AD: 4,8k; 1340AD: 2,2k

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Korokondama-Russia	45,20°N, 36,60°E	500BC - 150AD	500BC: 550; 350BC: 1,1k; 1AD: 850; 150AD: 920
Patraeus-Russia	45,32°N, 36,83°E	500BC - 800AD	500BC: 900; 350BC: 2,1k; 1AD: 1,5k; 150AD: 1,6k; 400AD: 850; 800AD: 1,1k
Phanagoria-Russia	45,28°N, 36,97°E	500BC - 900AD	500BC: 3,2k; 350BC: 9,5k; 100BC: 8,2k; 1AD: 7,5k; 150AD: 7,8k; 400AD: 4,2k; 750AD: 3,5k; 900AD: 2,8k
Cimmeris-Russia	45,31°N, 37,26°E	480BC - 150AD	480BC: 450; 350BC: 750; 1AD: 580; 150AD: 620
Labrys-Russia	45,07°N, 37,57°E	480-150BC	480BC: 1,6k; 400BC: 2,2k; 300BC: 1,8k; 150BC: 1,1k
Tyramba-Russia	45,34°N, 37,14°E	480BC - 150AD	480BC: 620; 350BC: 1,1k; 1AD: 850; 150AD: 920
Achilleion-Russia	45,42°N, 36,76°E	450BC - 800AD	450BC: 480; 350BC: 850; 1AD: 780; 150AD: 900; 500AD: 1,1k; 800AD: 950
Beglitskoye-Russia	47,12°N, 38,56°E	450-250BC	450BC: 460; 350BC: 620; 250BC: 410
Kimmerikon-Russia	45,02°N, 36,21°E	450BC - 270AD	450BC: 650; 300BC: 1,1k; 1AD: 950; 150AD: 1,0k; 270AD: 600
Bata-Russia	44,72°N, 37,78°E	400BC - 150AD	400BC: 750; 250BC: 950; 1AD: 820; 150AD: 880
Elizavetinskoye-Kuban-Russia	45,05°N, 38,80°E	400BC - 1AD	400BC: 1,8k; 300BC: 2,4k; 100BC: 1,9k; 1AD: 1,6k
Khapry-Russia	47,24°N, 39,51°E	400BC - 240AD	400BC: 380; 1AD: 520; 150AD: 710; 240AD: 560
Starokorsunskoye-2-Russia	45,05°N, 39,31°E	400BC - 150AD	400BC: 1,2k; 200BC: 1,6k; 1AD: 1,4k; 150AD: 1,6k
Mokry Chaltyr-Russia	47,24°N, 39,49°E	350BC - 150AD	350BC: 420; 1AD: 540; 150AD: 690
Pashkovskoye Gorodishche-Russia	45,02°N, 39,09°E	350BC - 150AD	350BC: 950; 100BC: 1,3k; 1AD: 1,2k; 150AD: 1,4k
Ust-Labinskoye-Maeotian-Russia	45,20°N, 39,69°E	350BC - 150AD	350BC: 1,1k; 100BC: 1,4k; 1AD: 1,6k; 150AD: 1,7k
Artezian-Russia	45,39°N, 36,17°E	300BC - 150AD	300BC: 520; 100BC: 680; 1AD: 750; 45AD: 850; 150AD: 640
Ladozhskoye-Maeotian-Russia	45,30°N, 39,94°E	300BC - 150AD	300BC: 850; 1AD: 1,1k; 150AD: 1,3k
Raevskoye Gorodishche-Russia	44,84°N, 37,55°E	300BC - 150AD	300BC: 680; 100BC: 920; 1AD: 850; 150AD: 780
Tanais-Russia	47,27°N, 39,34°E	275BC - 400AD	275BC: 1,8k; 200BC: 3,2k; 50BC: 2,6k; 1AD: 2,8k; 150AD: 4,2k; 240AD: 3,8k; 400AD: 950
Kazanskoye-Maeotian-Russia	45,41°N, 40,42°E	250BC - 150AD	250BC: 780; 1AD: 1,0k; 150AD: 1,2k
Nizhne-Gnilovskoye-Russia	47,20°N, 39,62°E	50BC - 240AD	50BC: 750; 1AD: 980; 150AD: 1,4k; 240AD: 1,1k
Podazovskoye-Russia	47,11°N, 39,38°E	50BC - 240AD	50BC: 550; 1AD: 720; 150AD: 920; 240AD: 760
Kislyakovskoye-Russia	47,23°N, 39,80°E	1-240AD	1AD: 480; 150AD: 640; 240AD: 520
Krepkoye-Russia	47,10°N, 39,40°E	1-240AD	1AD: 480; 150AD: 630; 240AD: 510

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Krepostnoye-Russia	47,11°N, 39,42°E	1-240AD	1AD: 620; 150AD: 850; 240AD: 680
Sukho-Chaltyrskoye-Russia	47,24°N, 39,47°E	1-240AD	1AD: 450; 150AD: 600; 240AD: 490
Temernitskoye Gorodishche-Russia	47,22°N, 39,70°E	1-240AD	1AD: 580; 150AD: 780; 240AD: 620
Krymskiy Gorodok-Russia	47,58°N, 40,80°E	780-950AD	780AD: 950; 850AD: 1,4k; 900AD: 1,5k; 950AD: 1,1k
Pravoberezhnoye Tsimlyanskoye-Russia	47,67°N, 42,19°E	780-810AD	780AD: 950; 810AD: 1,1k
Semikarakorskoye Gorodishche-Russia	47,53°N, 40,85°E	780-950AD	780AD: 1,8k; 850AD: 2,5k; 900AD: 2,7k; 950AD: 1,9k
Verkhniy Saltov-Russia	50,13°N, 36,80°E	780-950AD	780AD: 2,2k; 850AD: 3,4k; 900AD: 3,9k; 950AD: 2,6k
Zolotovskoye Gorodishche-Russia	47,62°N, 40,92°E	780-900AD	780AD: 650; 850AD: 850; 900AD: 950
Bashanta-Russia	46,22°N, 41,97°E	800-900AD	800AD: 480; 900AD: 650
Dmitrievskoye-Don-Russia	50,16°N, 38,45°E	800-900AD	800AD: 850; 850AD: 1,1k; 900AD: 1,2k
Kamyshevskoye Gorodishche-Russia	47,65°N, 41,98°E	800-900AD	800AD: 620; 900AD: 780
Karnaukhovskoye Gorodishche-Russia	47,69°N, 42,15°E	800-900AD	800AD: 580; 900AD: 740
Mayatskoye Gorodishche-Russia	50,98°N, 39,30°E	800-950AD	800AD: 1,2k; 850AD: 1,6k; 900AD: 1,8k; 950AD: 1,3k
Sukhaya Gomolsha-Russia	49,56°N, 36,35°E	800-900AD	800AD: 550; 900AD: 720
Sarkel-Russia	47,70°N, 42,27°E	835-1100AD	835AD: 2,8k; 900AD: 3,8k; 965AD: 2,9k; 1000AD: 3,2k; 1100AD: 2,4k
Azak-Russia	47,11°N, 39,42°E	1270-1450AD	1270AD: 6,5k; 1300AD: 18,0k; 1340AD: 34,0k; 1380AD: 13,5k; 1400AD: 3,2k; 1450AD: 3,5k
Madzhar-Russia	44,80°N, 44,16°E	1280-1400AD	1280AD: 12,0k; 1320AD: 28,0k; 1340AD: 35,0k; 1380AD: 14,0k; 1400AD: 3,5k
Copa-Russia	45,27°N, 37,38°E	1300-1470AD	1300AD: 2,1k; 1340AD: 3,2k; 1400AD: 1,8k; 1470AD: 2,2k
Kuchugury-Golden-Horde-Russia	45,41°N, 36,95°E	1300-1390AD	1300AD: 1,1k; 1340AD: 1,6k; 1390AD: 850
Azov-Russia	47,11°N, 39,42°E	1500-1900AD	1500AD: 4,2k; 1600AD: 6,5k; 1640AD: 5,5k; 1700AD: 9,5k; 1738AD: 4,8k; 1800AD: 3,8k; 1850AD: 5,6k; 1897AD: 27,5k; 1900AD: 28,2k
Taman-Russia	45,22°N, 36,72°E	1500-1900AD	1500AD: 2,5k; 1600AD: 2,7k; 1700AD: 2,8k; 1800AD: 2,1k; 1850AD: 3,1k; 1897AD: 4,3k; 1900AD: 4,4k
Mityakinskaya-Russia	48,55°N, 39,75°E	1549-1900AD	1549AD: 480; 1700AD: 820; 1800AD: 2,5k; 1850AD: 4,6k; 1897AD: 8,0k; 1900AD: 8,2k

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Razdorskaya-Russia	47,54°N, 40,65°E	1549-1900AD	1549AD: 850; 1600AD: 1,6k; 1700AD: 1,4k; 1750AD: 2,1k; 1800AD: 2,9k; 1850AD: 4,1k; 1897AD: 5,6k; 1900AD: 5,8k
Temryuk-Russia	45,27°N, 37,39°E	1560-1900AD	1560AD: 1,8k; 1600AD: 2,1k; 1700AD: 2,4k; 1800AD: 1,9k; 1850AD: 5,4k; 1897AD: 14,7k; 1900AD: 15,3k
Starocherkasskaya-Russia	47,24°N, 40,03°E	1570-1900AD	1570AD: 650; 1600AD: 1,8k; 1650AD: 4,8k; 1700AD: 8,5k; 1750AD: 12,5k; 1800AD: 15,2k; 1850AD: 5,4k; 1897AD: 5,1k; 1900AD: 5,2k
Monastyrsky Gorodok-Russia	47,23°N, 39,96°E	1595-1643AD	1595AD: 750; 1625AD: 2,2k; 1635AD: 2,4k; 1643AD: 1,8k
Ust-Medveditskaya-Russia	49,58°N, 42,73°E	1595-1900AD	1595AD: 550; 1700AD: 1,1k; 1800AD: 3,5k; 1850AD: 6,8k; 1897AD: 11,9k; 1900AD: 12,3k
Konstantinovskaya-Russia	47,58°N, 41,10°E	1600-1900AD	1600AD: 550; 1700AD: 1,1k; 1800AD: 2,9k; 1850AD: 5,1k; 1897AD: 9,3k; 1900AD: 9,6k
Manychskaya-Russia	47,25°N, 40,26°E	1600-1900AD	1600AD: 450; 1700AD: 900; 1800AD: 2,1k; 1850AD: 3,6k; 1897AD: 5,6k; 1900AD: 5,8k
Tsimlyanskaya-Russia	47,64°N, 42,10°E	1614-1900AD	1614AD: 550; 1700AD: 1,2k; 1800AD: 3,4k; 1850AD: 5,3k; 1897AD: 7,6k; 1900AD: 7,8k
Uryupinskaya-Russia	50,80°N, 42,00°E	1618-1900AD	1618AD: 550; 1700AD: 980; 1800AD: 3,4k; 1850AD: 6,9k; 1897AD: 11,3k; 1900AD: 11,6k
Nizhne-Chirskaya-Russia	48,36°N, 43,08°E	1637-1900AD	1637AD: 650; 1700AD: 1,4k; 1800AD: 4,8k; 1850AD: 8,5k; 1897AD: 14,1k; 1900AD: 14,5k
Bagayevskaya-Russia	47,32°N, 40,39°E	1648-1900AD	1648AD: 550; 1700AD: 950; 1800AD: 2,5k; 1850AD: 4,5k; 1897AD: 7,8k; 1900AD: 8,1k
Pyatiizbyanskaya-Russia	48,55°N, 43,40°E	1650-1900AD	1650AD: 500; 1700AD: 880; 1800AD: 2,6k; 1850AD: 4,8k; 1897AD: 8,7k; 1900AD: 8,9k
Mikhaylovskaya-Khopyor-Russia	50,62°N, 42,27°E	1670-1900AD	1670AD: 580; 1700AD: 1,0k; 1800AD: 3,3k; 1850AD: 6,7k; 1897AD: 12,9k; 1900AD: 13,3k
Kamenskaya-Russia	48,32°N, 40,27°E	1671-1900AD	1671AD: 650; 1700AD: 1,1k; 1750AD: 2,2k; 1800AD: 4,2k; 1850AD: 9,8k; 1897AD: 23,6k; 1900AD: 24,5k
Bessergenevskaya-Russia	47,37°N, 40,20°E	1672-1900AD	1672AD: 520; 1700AD: 820; 1800AD: 2,1k; 1850AD: 3,8k; 1897AD: 6,4k; 1900AD: 6,6k
Filonovskaya-Russia	50,40°N, 42,74°E	1672-1900AD	1672AD: 520; 1800AD: 2,4k; 1850AD: 4,8k; 1897AD: 9,0k; 1900AD: 9,2k

(Continued from previous page)

Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Golubinskaya-Russia	48,85°N, 43,52°E	1672-1900AD	1672AD: 540; 1800AD: 2,4k; 1850AD: 4,5k; 1897AD: 8,2k; 1900AD: 8,5k
Ilovlinskaya-Russia	49,30°N, 43,98°E	1672-1900AD	1672AD: 600; 1700AD: 950; 1800AD: 2,7k; 1850AD: 4,9k; 1897AD: 8,1k; 1900AD: 8,3k
Kachalinskaya-Russia	49,09°N, 43,95°E	1672-1900AD	1672AD: 650; 1700AD: 1,1k; 1800AD: 3,2k; 1850AD: 5,6k; 1897AD: 7,8k; 1900AD: 8,1k
Kletskaya-Russia	49,31°N, 43,06°E	1672-1900AD	1672AD: 580; 1700AD: 920; 1800AD: 2,8k; 1850AD: 5,1k; 1897AD: 8,8k; 1900AD: 9,1k
Kochetovskaya-Russia	47,55°N, 40,87°E	1672-1900AD	1672AD: 520; 1800AD: 2,1k; 1850AD: 3,9k; 1897AD: 7,0k; 1900AD: 7,2k
Kotelnikovo-Russia	47,63°N, 43,13°E	1672-1900AD	1672AD: 450; 1800AD: 1,6k; 1850AD: 3,2k; 1897AD: 6,4k; 1900AD: 6,8k
Kremenskaya-Russia	49,28°N, 43,48°E	1672-1900AD	1672AD: 480; 1800AD: 2,0k; 1850AD: 3,9k; 1897AD: 7,1k; 1900AD: 7,3k
Migulinskaya-Russia	49,69°N, 41,40°E	1672-1900AD	1672AD: 550; 1700AD: 820; 1800AD: 2,6k; 1850AD: 5,1k; 1897AD: 9,3k; 1900AD: 9,6k
Perekopskaya-Russia	49,27°N, 43,40°E	1672-1900AD	1672AD: 500; 1800AD: 2,1k; 1850AD: 4,2k; 1897AD: 7,6k; 1900AD: 7,9k
Potyomkinskaya-Russia	47,83°N, 42,55°E	1672-1900AD	1672AD: 520; 1700AD: 850; 1800AD: 2,4k; 1850AD: 4,6k; 1897AD: 8,4k; 1900AD: 8,6k
Raspopinskaya-Russia	49,41°N, 42,84°E	1672-1900AD	1672AD: 520; 1800AD: 2,3k; 1850AD: 4,6k; 1897AD: 8,4k; 1900AD: 8,7k
Semikarakorskaya-Russia	47,52°N, 40,80°E	1672-1900AD	1672AD: 600; 1700AD: 950; 1800AD: 2,6k; 1850AD: 4,7k; 1897AD: 8,1k; 1900AD: 8,3k
Ust-Khopyorskaya-Russia	49,49°N, 42,45°E	1672-1900AD	1672AD: 550; 1800AD: 2,5k; 1850AD: 4,9k; 1897AD: 8,8k; 1900AD: 9,1k
Vyoshenskaya-Russia	49,63°N, 41,73°E	1672-1900AD	1672AD: 600; 1700AD: 950; 1800AD: 2,9k; 1850AD: 5,6k; 1897AD: 10,2k; 1900AD: 10,6k
Gundorovskaya-Russia	48,35°N, 39,95°E	1681-1900AD	1681AD: 580; 1700AD: 750; 1800AD: 2,4k; 1850AD: 4,3k; 1897AD: 7,4k; 1900AD: 7,6k
Luganskaya-Don-Russia	48,70°N, 39,47°E	1683-1900AD	1683AD: 620; 1700AD: 850; 1800AD: 2,8k; 1850AD: 5,4k; 1897AD: 9,6k; 1900AD: 9,9k
Kazanskaya-Don-Russia	49,80°N, 41,15°E	1690-1900AD	1690AD: 580; 1700AD: 850; 1800AD: 2,7k; 1850AD: 5,2k; 1897AD: 9,5k; 1900AD: 9,8k
Achuev-Russia	45,72°N, 37,77°E	1697-1897AD	1697AD: 1,2k; 1750AD: 1,5k; 1850AD: 1,8k; 1897AD: 2,9k
Yelanskaya-Russia	49,59°N, 42,02°E	1699-1900AD	1699AD: 520; 1800AD: 2,4k; 1850AD: 4,8k; 1897AD: 8,9k; 1900AD: 9,2k

(Continued from previous page)

Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Aksayskaya-Russia	47,27°N, 39,87°E	1700-1900AD	1700AD: 750; 1750AD: 1,8k; 1800AD: 3,1k; 1850AD: 4,9k; 1897AD: 7,6k; 1900AD: 7,8k
Esaulovskaya-Russia	48,10°N, 42,84°E	1700-1900AD	1700AD: 780; 1800AD: 2,3k; 1850AD: 4,4k; 1897AD: 8,0k; 1900AD: 8,2k
Kurmoyarskaya-Russia	47,77°N, 42,38°E	1700-1900AD	1700AD: 720; 1800AD: 2,1k; 1850AD: 4,1k; 1897AD: 7,3k; 1900AD: 7,5k
Melikhovskaya-Russia	47,47°N, 40,48°E	1700-1900AD	1700AD: 780; 1800AD: 1,9k; 1850AD: 3,5k; 1897AD: 5,9k; 1900AD: 6,0k
Novoanninskaya-Russia	50,52°N, 42,67°E	1700-1900AD	1700AD: 600; 1800AD: 2,6k; 1850AD: 5,1k; 1897AD: 9,6k; 1900AD: 9,9k
Taganrog-Russia	47,24°N, 38,90°E	1700-1900AD	1700AD: 8,2k; 1775AD: 3,8k; 1800AD: 7,4k; 1825AD: 14,5k; 1850AD: 22,5k; 1870AD: 37,5k; 1897AD: 51,4k; 1900AD: 53,0k
Verkhne-Chirskaya-Russia	48,44°N, 43,09°E	1700-1900AD	1700AD: 850; 1800AD: 2,8k; 1850AD: 5,2k; 1897AD: 9,2k; 1900AD: 9,4k
Kalitvenskaya-Russia	48,26°N, 40,42°E	1703-1900AD	1703AD: 550; 1800AD: 2,2k; 1850AD: 4,4k; 1897AD: 8,2k; 1900AD: 8,4k
Ust-Belokalitvenskaya-Russia	48,18°N, 40,78°E	1703-1900AD	1703AD: 650; 1800AD: 2,6k; 1850AD: 5,2k; 1897AD: 9,8k; 1900AD: 10,2k
Elizavetinskaya-Don-Russia	47,15°N, 39,52°E	1750-1900AD	1750AD: 1,1k; 1800AD: 2,6k; 1850AD: 5,8k; 1897AD: 11,3k; 1900AD: 11,7k
Grushevskaya-Russia	47,45°N, 39,97°E	1750-1900AD	1750AD: 850; 1800AD: 1,9k; 1850AD: 3,6k; 1897AD: 6,2k; 1900AD: 6,4k
Kagalnik-Russia	47,09°N, 39,33°E	1750-1900AD	1750AD: 850; 1800AD: 1,9k; 1850AD: 4,2k; 1897AD: 7,9k; 1900AD: 8,2k
Krivyanskaya-Russia	47,41°N, 40,16°E	1750-1900AD	1750AD: 1,1k; 1800AD: 2,4k; 1850AD: 4,2k; 1897AD: 6,9k; 1900AD: 7,2k
Rostov-on-Don-Russia	47,22°N, 39,72°E	1750-1900AD	1750AD: 1,2k; 1775AD: 2,4k; 1800AD: 4,1k; 1825AD: 6,8k; 1850AD: 12,6k; 1870AD: 39,0k; 1897AD: 119,5k; 1900AD: 125,0k
Zaplavskaya-Russia	47,34°N, 40,20°E	1750-1900AD	1750AD: 950; 1800AD: 2,1k; 1850AD: 3,6k; 1897AD: 5,7k; 1900AD: 5,9k
Bataysk-Russia	47,14°N, 39,75°E	1770-1900AD	1770AD: 1,1k; 1800AD: 2,3k; 1850AD: 6,1k; 1897AD: 14,0k; 1900AD: 14,6k
Koysug-Russia	47,15°N, 39,67°E	1770-1900AD	1770AD: 950; 1800AD: 1,9k; 1850AD: 5,3k; 1897AD: 13,2k; 1900AD: 13,7k
Samarskoye-Russia	46,94°N, 39,70°E	1770-1900AD	1770AD: 800; 1800AD: 1,8k; 1850AD: 4,6k; 1897AD: 9,8k; 1900AD: 10,2k
Primorsko-Akhtarsk-Russia	46,05°N, 38,18°E	1774-1900AD	1774AD: 450; 1854AD: 1,8k; 1897AD: 6,8k; 1900AD: 7,2k
Aleksandrovskaya-Don-Russia	47,22°N, 39,80°E	1777-1900AD	1777AD: 650; 1800AD: 1,2k; 1850AD: 2,4k; 1897AD: 4,4k; 1900AD: 4,5k
Stavropol-Kavkazsky-Russia	45,04°N, 41,97°E	1777-1900AD	1777AD: 1,2k; 1800AD: 2,9k; 1825AD: 6,8k; 1850AD: 14,8k; 1870AD: 23,5k; 1897AD: 41,6k; 1900AD: 43,2k

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Yekaterininskaya-Russia	47,92°N, 40,91°E	1778-1900AD	1778AD: 750; 1850AD: 3,8k; 1897AD: 7,9k; 1900AD: 8,2k
Yeysk-Russia	46,71°N, 38,27°E	1778-1900AD	1778AD: 3,2k; 1800AD: 1,8k; 1850AD: 7,8k; 1870AD: 28,0k; 1897AD: 35,4k; 1900AD: 36,8k
Nakhichevan-on-Don-Russia	47,23°N, 39,76°E	1780-1900AD	1780AD: 5,2k; 1800AD: 8,4k; 1825AD: 10,8k; 1850AD: 14,2k; 1870AD: 16,5k; 1897AD: 28,4k; 1900AD: 29,2k
Praskoveya-Russia	44,74°N, 44,20°E	1781-1900AD	1781AD: 1,1k; 1850AD: 5,2k; 1897AD: 11,8k; 1900AD: 12,4k
Blagodarnoye-Russia	45,09°N, 43,44°E	1782-1900AD	1782AD: 950; 1850AD: 4,6k; 1897AD: 12,2k; 1900AD: 12,7k
Anapa-Russia	44,89°N, 37,32°E	1785-1900AD	1785AD: 3,8k; 1800AD: 4,5k; 1850AD: 3,2k; 1897AD: 6,9k; 1900AD: 7,3k
Margaritovka-Russia	46,88°N, 38,95°E	1785-1900AD	1785AD: 650; 1850AD: 2,4k; 1897AD: 5,1k; 1900AD: 5,3k
Millerovo-Russia	48,92°N, 40,40°E	1786-1900AD	1786AD: 350; 1850AD: 1,1k; 1880AD: 2,9k; 1897AD: 6,5k; 1900AD: 7,1k
Petrovskoye-Stavropol-Russia	45,34°N, 42,85°E	1786-1900AD	1786AD: 900; 1850AD: 4,9k; 1897AD: 12,6k; 1900AD: 13,2k
Peshkovo-Russia	47,02°N, 39,47°E	1790-1900AD	1790AD: 700; 1850AD: 2,8k; 1897AD: 6,4k; 1900AD: 6,6k
Bryukhovetskaya-Russia	45,80°N, 39,00°E	1794-1900AD	1794AD: 950; 1850AD: 3,7k; 1897AD: 9,9k; 1900AD: 10,2k
Dinskaya-Russia	45,22°N, 39,23°E	1794-1900AD	1794AD: 900; 1850AD: 3,5k; 1897AD: 9,4k; 1900AD: 9,8k
Kanevskaya-Russia	46,08°N, 38,97°E	1794-1900AD	1794AD: 1,0k; 1800AD: 1,3k; 1850AD: 4,1k; 1897AD: 10,3k; 1900AD: 10,7k
Kavkazskaya-Russia	45,43°N, 40,58°E	1794-1900AD	1794AD: 1,1k; 1850AD: 4,1k; 1897AD: 14,6k; 1900AD: 15,6k
Korenovskaya-Russia	45,47°N, 39,45°E	1794-1900AD	1794AD: 950; 1850AD: 3,6k; 1897AD: 10,2k; 1900AD: 10,6k
Kushchevskaya-Russia	46,57°N, 39,63°E	1794-1900AD	1794AD: 800; 1800AD: 950; 1850AD: 3,0k; 1897AD: 8,5k; 1900AD: 8,8k
Poltavskaya-Russia	45,37°N, 38,22°E	1794-1900AD	1794AD: 1,1k; 1800AD: 1,4k; 1850AD: 4,6k; 1897AD: 10,4k; 1900AD: 10,8k
Starominskaya-Russia	46,53°N, 39,05°E	1794-1900AD	1794AD: 950; 1800AD: 1,2k; 1850AD: 4,2k; 1897AD: 11,0k; 1900AD: 11,4k
Staroshcherbinovskaya-Russia	46,63°N, 38,67°E	1794-1900AD	1794AD: 1,0k; 1800AD: 1,4k; 1850AD: 4,3k; 1897AD: 10,9k; 1900AD: 11,3k
Timashevskaya-Russia	45,62°N, 38,95°E	1794-1900AD	1794AD: 950; 1800AD: 1,2k; 1850AD: 3,9k; 1897AD: 9,6k; 1900AD: 10,1k
Umanskaya-Russia	46,32°N, 39,39°E	1794-1900AD	1794AD: 1,1k; 1800AD: 1,4k; 1850AD: 4,4k; 1897AD: 11,1k; 1900AD: 11,6k
Ust-Labinskaya-Russia	45,22°N, 39,68°E	1794-1900AD	1794AD: 1,1k; 1850AD: 4,2k; 1897AD: 10,8k; 1900AD: 11,2k
Gnilovskaya-Russia	47,20°N, 39,62°E	1795-1900AD	1795AD: 950; 1850AD: 3,2k; 1897AD: 6,6k; 1900AD: 6,8k

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Stadester Key	Coords	Occupied Span	Complete Population Series (Year: Population)
Kuleshovka-Russia	47,12°N, 39,55°E	1795-1900AD	1795AD: 650; 1850AD: 2,3k; 1897AD: 5,2k; 1900AD: 5,4k
Slavyanskaya-Russia	45,26°N, 38,12°E	1800-1900AD	1800AD: 1,4k; 1850AD: 5,2k; 1897AD: 15,2k; 1900AD: 15,8k
Sulin-Russia	47,88°N, 40,07°E	1800-1900AD	1800AD: 450; 1850AD: 1,2k; 1875AD: 3,8k; 1897AD: 10,0k; 1900AD: 11,2k
Velikoknyazheskaya-Russia	46,70°N, 41,73°E	1800-1900AD	1800AD: 850; 1850AD: 2,4k; 1897AD: 5,7k; 1900AD: 6,1k
Medvezhye-Russia	45,84°N, 41,52°E	1803-1900AD	1803AD: 950; 1850AD: 4,8k; 1897AD: 12,4k; 1900AD: 12,9k
Novobataysk-Russia	46,97°N, 39,76°E	1805-1900AD	1805AD: 750; 1850AD: 2,7k; 1897AD: 6,3k; 1900AD: 6,6k
Novocherkassk-Russia	47,42°N, 40,09°E	1805-1900AD	1805AD: 5,8k; 1810AD: 7,8k; 1825AD: 11,8k; 1850AD: 17,9k; 1870AD: 29,5k; 1897AD: 52,0k; 1900AD: 53,5k
Kagalnitskaya-Russia	46,88°N, 40,15°E	1809-1900AD	1809AD: 950; 1850AD: 2,6k; 1897AD: 6,2k; 1900AD: 6,4k
Mechetinskaya-Russia	46,77°N, 40,38°E	1809-1900AD	1809AD: 900; 1850AD: 2,4k; 1897AD: 6,2k; 1900AD: 6,4k
Yegorlykskaya-Russia	46,56°N, 40,66°E	1809-1900AD	1809AD: 850; 1850AD: 2,2k; 1897AD: 6,2k; 1900AD: 6,4k
Belaya Glina-Russia	46,08°N, 40,87°E	1820-1900AD	1820AD: 1,2k; 1850AD: 5,4k; 1897AD: 14,2k; 1900AD: 14,8k
Pavlovskaya-Russia	46,13°N, 39,78°E	1822-1900AD	1822AD: 1,4k; 1850AD: 3,8k; 1897AD: 8,8k; 1900AD: 9,2k
Aleksandrovsk-Grushevsky-Russia	47,71°N, 40,21°E	1840-1900AD	1840AD: 1,4k; 1850AD: 2,6k; 1870AD: 8,1k; 1897AD: 16,5k; 1900AD: 18,2k
Dolzhanskaya-Russia	46,63°N, 37,80°E	1848-1900AD	1848AD: 1,4k; 1870AD: 3,8k; 1897AD: 8,2k; 1900AD: 8,6k
Kamyshevatskaya-Russia	46,40°N, 37,95°E	1848-1900AD	1848AD: 1,2k; 1870AD: 3,4k; 1897AD: 7,5k; 1900AD: 7,8k
Tikhoretskaya-Russia	45,85°N, 40,12°E	1848-1900AD	1848AD: 1,2k; 1875AD: 3,4k; 1897AD: 10,2k; 1900AD: 11,2k
Krymskaya-Russia	44,93°N, 37,98°E	1862-1900AD	1862AD: 2,4k; 1880AD: 6,8k; 1897AD: 14,1k; 1900AD: 14,8k
Morozovskaya-Russia	48,35°N, 41,83°E	1885-1900AD	1885AD: 1,2k; 1897AD: 5,0k; 1900AD: 5,8k

Table 4. Complete directory of all 176 settlement entries and population series in pontic_steppe_settlements.json (10000BC - 1900AD).

Sources

1. Belanovskaya, Tatyana Dmitriyevna. *Iz Drevneyshego Proshlogo Nizhnego Podon'ya: Poseleniye Vremeni Neolita i Eneolita Rakushechnyy Yar [from the Most Ancient Past of the Lower Don: The Neolithic and Eneolithic Settlement of Rakushechny Yar]*. Saint Petersburg State University Press, 1995, pp. 1-199.
2. Tsybrij, Andrey Vitalyevich, et al. "Novyye Issledovaniya Ranneneoliticheskikh Sloyev Poseleniya Rakushechnyy Yar [New Investigations of the Early Neolithic Layers of the Rakushechny Yar Settlement]." *Samarskiy Nauchnyy Vestnik*, vol. 7, no. 3 (24), 2018, pp. 215-24, https://cyberleninka.ru/article/n/novye-issledovaniya-ranneneoliticheskih-sloev-poseleniya-rakushechnyy-yar.
3. Dolbunova, Yekaterina Vladimirovna, et al. "Rakovinnyye Platformy i Zhilyye Konstruktsii: Planigrafiya Kul'turnogo Sloya Rannego Neolita p. Rakushechnyy Yar [Shell Platforms and Dwelling Structures: Planigraphy of the Early Neolithic Cultural Layer of the Rakushechny Yar Settlement]." *Universum Humanitarium*, no. 2, 2021, pp. 58-84, https://doi.org/10.25205/2499-9997-2021-2-58-84.
4. Skorobogatov, Andrey Mikhaylovich, et al. "Keramicheskiy Kompleks Nizhnedonskoy Kul'tury Pamyatnika Rakushechnyy Yar (Sloy 5) [Ceramic Complex of the Lower Don Culture of the Rakushechny Yar Site (Layer 5)]." *Camera Praehistorica*, no. 1 (14), 2025, pp. 26-39, https://doi.org/10.31250/2658-3828-2025-1-26-39.
5. Potapov, Vadim Valeryevich. "Pogrebeniye Epokhi Final'noy Bronzy Iz Mogil'nika 'Krest' v Del'te Dona [Final Bronze Age Burial from the 'Krest' Cemetery in the Don Delta]." *Arkheologicheskiye Zapiski*, vol. 8, 2013, pp. 213-29, https://cyberleninka.ru/article/n/pogrebenie-epohi-finalnoy-bronzy-iz-mogilnika-krest-v-delte-dona.
6. Sharafutdinova, Эlza Safronovna. *Pamyatniki Predskifskogo Vremeni Na Nizhnem Donu (Kobyakovskaya Kul'tura) [Monuments of the Pre-Scythian Period on the Lower Don (the Kobyakovo Culture)]*. Nauka, 1980, pp. 1-128.
7. Paromov, Yakov Maksimovich. *Arkheologicheskaya Karta Tamanskogo Poluostrova [Archaeological Map of the Taman Peninsula]*. INION RAN, 1992, pp. 1-469, https://cyberleninka.ru/article/n/glavnye-dorogi-tamanskogo-poluostrova-v-antichnoe-vremya.
8. Kuznetsov, Vladimir Dmitriyevich. "Phanagoria and Its Metropolis." *Antiquities of Bosporus*, vol. 15, 2010, pp. 208-28, https://www.researchgate.net/publication/318456923.
9. Garbuzov, Gennadiy Pavlovich, and Aleksey Andreyevich Zavoikin. "Osvoyeniye Grekami Zemel' Tamanskogo Poluostrova v Posledney Chetverti VI - Pervoy Polovine v v. Do n.e. [Greek Colonisation of the Lands of the Taman Peninsula in the Last Quarter of the 6th - First Half of the 5th Century BC]." *Antichnyy Mir i Arkheologiya*, vol. 15, 2011, pp. 194-223, https://cyberleninka.ru/article/n/osvoenie-grekami-zemel-tamanskogo-poluostrova-v-posledney-chetverti-vi-pervoy-polovine-v-v-do-n-e.
10. Garbuzov, Gennadiy Pavlovich, et al. "Sel'skaya Territoriya Yevropeyskogo i Aziatskogo Bospora v Epokhu Spartokidov (Opyt Sravnitel'nogo Analiza) [the Rural Territory of the European and Asian Bosporus in the Spartocid Epoch (a Comparative Analysis)]." *Problemy Istorii, Filologii, Kul'tury*, no. 4 (42), 2013, pp. 49-66, https://cyberleninka.ru/article/n/selskaya-territoriya-evropeyskogo-i-aziatskogo-bospora-v-epohu-spartokidov-opyt-sravnitelnogo-analiza.
11. Marchenko, Konstantin Konstantinovich, et al. *Yelizavetovskoye Gorodishche Na Donu [the Elizavetovskoye Fortified Settlement on the Don]*. Paleograf / DAI Eurasia Department, 2000, pp. 1-282.
12. Kopylov, Viktor Pavlovich. "O Vremeni Sooruzheniya Oboronitel'nykh Rubezhey Na Yelizavetovskom Gorodishche [on the Time of Construction of Defensive Lines at the Elizavetovskoye Fortified Settlement]." *Bosporskiye Issledovaniya*, vol. 33, 2016, pp. 116-24, https://cyberleninka.ru/article/n/o-vremeni-sooruzheniya-oboronitelnyh-rubezhey-na-elizavetovskom-gorodische.
13. Batieva, Yelena Fedorovna. *Naseleniye Nizhnego Dona v IX v. Do n.e. - IV v. N.e.*

(Paleoantropologicheskoye Issledovaniye) [the Population of the Lower Don in the 9th Century BC - 4th Century AD (a Palaeoanthropological Study)]. Southern Scientific Centre of the Russian Academy of Sciences (SSC RAS), 2011, pp. 1-160, https://www.ssc-ras.ru/files/files/Batieva_2011.pdf.

14. Vdovchenkov, Yevgeniy Viktorovich. "Sotsial'no-Politicheskaya Organizatsiya Donskikh Meotov v Sarmatskuyu Epokhu [Socio-Political Organisation of the Don Maeotians in the Sarmatian Epoch]." *Nizhnevolzhskiy Arkheologicheskiy Vestnik*, vol. 18, no. 2, 2019, pp. 55-71, https://doi.org/10.15688/nav.jvolsu.2019.2.4.
15. Artamonov, Mikhail Illarionovich. "Sarkel - Belaya Vezha." *Materialy i Issledovaniya Po Arkheologii SSSR (MIA)*, vol. 62, 1958, pp. 7-84, http://kronk.spb.ru/library/artamonov-mi-1958.htm.
16. Afanasyev, Gennadiy Yevgenyevich. *Donskiye Alany: Sotsial'nyye Struktury Alano-Asso-Burtasskogo Naseleniya Basseyna Srednego Dona [the Don Alans: Social Structures of the Alan-as-Burtas Population of the Middle Don Basin]*. Nauka, 1993, pp. 1-184, https://cyberleninka.ru/article/n/sistema-rasseleniya-lesostepnogo-varianta-saltovo-mayatskoy-kultury.
17. Flyorov, Valeriy Sergeyevich. *"Goroda" i "Zamki" Khazarskogo Kaganata. Arkheologicheskaya Real'nost' ["Cities" and "Castles" of the Khazar Khaganate: Archaeological Reality]*. Mosty kul'tury / Gesharim, 2011, pp. 1-264, https://cyberleninka.ru/article/n/kreposti-hazarskogo-kaganata-na-nizhnem-donu.
18. Maslovsky, Andrey Nikolayevich. "Zolotoordynskiy Azak Vo Vtoroy Polovine XIV v.: Krusheniye i Vozrozhdeniye [Golden Horde Azak in the Second Half of the 14th Century: Collapse and Revival]." *Stratum Plus*, no. 6, 2017, pp. 215-34, https://cyberleninka.ru/article/n/zolotoordynskiy-azak-vo-vtoroy-polovine-xiv-v-krushenie-i-vozrozhdenie.
19. Maslovsky, Andrey Nikolayevich. "Zolotoordynskiy Azak Vo Vremya Pravleniya Khana Tokhtamysha (1381-1395 Gg.) [Golden Horde Azak During the Reign of Khan Tokhtamysh (1381-1395)]." *Arkheologiya Yevraziyskikh Stepey*, no. 4, 2022, pp. 185-97, https://doi.org/10.24852/2587-6112.2022.4.185.197.
20. Maslovsky, Andrey Nikolayevich, and Irina Borisovna Papka. "O Chislennosti Naseleniya Zolotoordynskogo Azaka i Yego Okrugi [on the Population Size of Golden Horde Azak and Its Periphery]." *Arkheologiya Yevraziyskikh Stepey*, no. 2, 2024, pp. 241-52, https://doi.org/10.24852/2587-6112.2024.2.241.252.
21. Mininkov, Nikolay Aleksandrovich. *Donskoye Kazachestvo v Epokhu Pozdnego Srednevekov'ya (Do 1671 g.) [the Don Cossacks in the Late Middle Ages (up to 1671)]*. Rostov State University Press, 1998, pp. 1-512.
22. Sushchiy, Sergey Yakovlevich. "Institut Sem'i u Donskikh Kazakov i Sposob Demograficheskogo Vosproizvodstva Kazach'yego Sotsiuma (Konets XVI - Nachalo XVIII v.) [the Institution of the Family Among the Don Cossacks and the Mode of Demographic Reproduction of Cossack Society]." *Novoye Proshloye / The New Past*, no. 4, 2019, pp. 112-31, https://doi.org/10.23683/2500-3224-2019-4-112-131.
23. Prudnikov, Yaroslav Vladimirovich. "Donskoy / Donetskiy Kazachiy Gorodok: Odno Ili Dva Poseleniya? [Donskoy / Donetsk Cossack Town: One or Two Settlements?]." *Vestnik Volgogradskogo Gosudarstvennogo Universiteta. Seriya 4, Istoriya*, vol. 29, no. 2, 2024, pp. 46-54, https://doi.org/10.15688/jvolsu4.2024.2.4.
24. Pronshtein, Aleksandr Pavlovich. *Zemlya Donskaya v XVIII Veke [the Don Land in the 18th Century]*. Rostov University Press, 1961, pp. 1-376.
25. Kabuzan, Vladimir Maksimovich. *Zaseleniye Novorossii (Yekaterinoslavskoy i Khersonskoy Guberniy) v XVIII - Pervoy Polovine XIX Veka (1719-1858 Gg.) [Settlement of New Russia in the 18th - First Half of the 19th Century (1719-1858)]*. Nauka, 1976, pp. 1-306.
26. Agafonov, Anatoliy Ivanovich. "Ot Zemli Donskogo Voyska k Oblasti Voyska Donskogo (Seredina XIX - Nachalo XX Veka) [from the Land of the Don Host to the Province of the Don Cossack Host (Mid-19th - Early 20th Century)]." *Izvestiya Vysshikh Uchebnykh Zavedeniy. Severo-Kavkazskiy Region. Obshchestvennyye Nauki*, no. 3 (195), 2017, pp. 38-45, https://cyberleninka.ru/article/n/ot-zemli-donsk

ogo-voyska-k-oblasti-voyska-donskogo-seredina-xix-nachalo-hh-veka.

27. Kolomeytseva, Mariya Andreyevna. “Demograficheskiye Protsessy v Srede Krest’yanstva Dona v Kontse XIX v. [Demographic Processes Among the Peasantry of the Don at the End of the 19th Century].” *Oriental Studies*, no. 4 (38), 2018, pp. 53-62, https://doi.org/10.22162/2619-0990-2018-38-4-53-62.
28. Burykina, Lyudmila Vasilyevna. “Osvoyeniye Russkimi i Ukrainskimi Poselentsami Severo-Zapadnogo Kavkaza (Konets XIX - Nachalo XX Vv.) [Settlement of the North-Western Caucasus by Russian and Ukrainian Colonists (Late 19th - Early 20th Centuries)].” *Vestnik Adygeyskogo Gosudarstvennogo Universiteta. Seriya 1: Regionovedeniye*, no. 8, 2008, pp. 45-52, https://cyberleninka.ru/article/n/osvoenie-russkimi-i-ukrainskimi-poselentsami-severo-zapadnogo-kavkaza-konets-hih-nachalo-hh-vv.
29. Parshina, Natalya Viktorovna. “K Voprosu o Provedenii Sudebnoy Reformy Na Territorii Kubanskogo Kazach’yego Voyska Vo Vtoroy Polovine XIX Veka [on the Implementation of Judicial Reform in the Territory of the Kuban Cossack Host in the Second Half of the 19th Century].” *Istoriko-Pravovyye Problemy: Novyy Rakurs*, no. 1, 2023, pp. 92-101, https://cyberleninka.ru/article/n/k-voprosu-o-provedenii-sudebnoy-reformy-na-territorii-kubanskogo-kazachiego-voyska-vo-vtoroy-polovine-xix-veka.
30. Volvenko, Aleksey Aleksandrovich, and K. S. Panin. “Ob Etnolingvisticheskom Sostave Naseleniya Severnogo Priazov’ya Po Perepisi 1897 Goda i Materialam Etnograficheskoy Kartografii XIX Stoletiya [on the Ethnolinguistic Composition of the Population of the Northern Azov Region According to the 1897 Census].” *Vestnik Taganrogskogo Instituta Imeni A. P. Chekhova*, no. 1, 2023, pp. 132-41, https://cyberleninka.ru/article/n/ob-etnolingvisticheskom-sostave-naseleniya-severnogo-priazovya-po-perepisi-1897-goda-i-materialam-etnograficheskoy-kartografii-xix.
31. Troynitsky, Nikolay Aleksandrovich. *Pervaya Vseobshchaya Perepis’ Naseleniya Rossiyskoy Imperii, 1897 g. Tom XII: Oblast’ Voyska Donskogo [First General Census of the Population of the Russian Empire, 1897. Vol. XII: Province of the Don Cossack Host]*. Tsentral’nyy statisticheskiy komitet MVD, 1905, pp. 1-255.
32. Troynitsky, Nikolay Aleksandrovich. *Pervaya Vseobshchaya Perepis’ Naseleniya Rossiyskoy Imperii, 1897 g. Tom LXV: Kubanskaya Oblast’ [First General Census of the Population of the Russian Empire, 1897. Vol. LXV: Kuban Province]*. Tsentral’nyy statisticheskiy komitet MVD, 1905, pp. 1-263.