Table S3. Glacier inventory of North-Chuya ridge for 2021. Designations correspond to those in the table S1.

N	name	*λ*, °	*φ*, °	*S*, km²	Morphological type	Z_1	Z_2	*ELA*	a_{max}. °	$a_{av.}$ °	S_{3D}. km	*E*,°
					Jelo river basin							
1		87.73	50.01	0.16±0.02	cirque	2920	3127	2992	45.3	21.3	0.18	E,91
2		87.72	50.01	0.58±0.04	cirque-valley	2828	3327	3033	64.9	23.3	0.67	NE,43
3	Jelo	87.71	50.04	6.34±0.31	valley	2818	3688	3175	58.8	16.0	7.36	E,102
4		87.72	50.05	0.03±0.01	hanging	3279	3424	3337	38.2	26.1	0.03	SW, 210
5		87.75	50.04	0.29±0.03	slope	3303	3631	3498	42.5	19.8	0.31	SE,137
6		87.76	50.04	0.08±0.01	cirque	3087	3314	3181	47.0	21.6	0.08	E,94
7		87.77	50.05	0.02±0.01	slope	3313	3334	3323	20.2	9.6	0.02	E,87
8	Kupol	87.79	50.04	0.84±0.07	flat summit	3211	3552	3422	28.7	13.0	0.86	S,173
9		87.80	50.02	0.06±0.01	cirque-hanging	2989	3246	3091	44.0	29.4	0.07	NE,55
10		87.80	50.02	0.08±0.02	cirque-hanging	3146	3300	3249	40.3	24.2	0.08	E,89
In total in the basin of the Jelo river there are 10 glaciers with total area of 8.47± 0.52 km², minimal altitude is 2818 m, maximal altitude is 3688 m, area weighted average ELA is 3179 m												
					Tete river basin							
11		87.86	50.05	0.14±0.03	flat summit	3358	3450	3404	24.2	13.2	0.14	NE,44
12		87.88	50.05	0.09±0.02	flat summit	3253	3384	3354	46.2	15.7	0.10	N.14
13		87.89	50.05	0.22±0.02	cirque	2981	3339	3121	59.8	27.2	0.26	N,14
14		87.87	50.06	0.03±0.01	cirque-hanging	3179	3330	3280	46.5	28.0	0.04	NE,57
15	Tete	87.81	50.05	0.36±0.04	valley	2880	3477	3128	54.6	26.1	0.42	NE,56
16		87.80	50.05	0.78±0.06	cirque	2912	3551	3223	53.3	21.2	0.86	NE,39
In total, in the basin of the Tete river 6 glaciers with total area of 1.62±0.13 km² have been reconstructed. minimal altitude is 2880 m, maximal altitude is 3551 m. area weighted average ELA is 3208 m												
					Aktru river basin							
17		87.79	50.05	0.69±0.04	slope	3095	3552	3369	34.3	18.0	0.73	NW,333
18	Kar Malogo Aktru	87.78	50.05	0.64±0.05	cirque	2816	3516	3262	55.5	23.9	0.75	N,347
19	Malyi Aktru	87.75	50.05	2.54±0.10	valley	2485	3708	3301	57.3	19.3	2.76	NE,51
20		87.75	50.06	0.04±0.01	hanging	3294	3521	3423	47.7	34.4	0.05	N,354
21		87.75	50.06	0.05±0.01	hanging	3230	3517	3426	59.9	34.8	0.06	NW,333
22	Pravyi Aktru	87.71	50.06	4.25±0.33	valley	2536	3727	3227	62.1	26.1	5.13	NE,55

23		87.74	50.05	0.01±0.01	hanging	3363	3515	3480	52.6	32.2	0.02	N,13
24		87.71	50.07	0.16±0.02	slopeон	3170	3430	3268	42.2	19.0	0.17	SE,116
25	Levyi Aktru	87.70	50.08	4.93±0.24	valley	2699	3970	3305	72.3	23.0	5.89	E,86
26		87.72	50.09	0.15±0.02	cirque-hanging	3255	3566	3359	40.1	26.6	0.17	E,68
27	Kysyl-Tash	87.74	50.09	0.16±0.03	cirque	2948	3442	3236	61.6	35.1	0.20	N,6
28		87.71	50.09	0.17±0.04	cirque-hanging	2924	3551	3223	65.3	39.2	0.23	N,352
29		87.70	50.09	0.14±0.02	hanging	3225	3553	3381	61.3	38.9	0.19	NE,34
30	Yan-Karasu	87.70	50.09	1.09±0.14	valley	2805	3960	3351	67.0	29.2	1.35	E,74
31	Malyi Korumdu	87.71	50.11	0.36±0.06	valley	2679	3715	3101	44.5	27.9	0.43	NE,27
32	Korumdu	87.68	50.11	5.52±0.48	valley	2357	3964	3280	65.4	31.3	8.10	NE,39
33		87.67	50.13	0.78±0.10	cirque-valley	2693	3967	3192	54.6	34.5	1.01	NE,51
34	Kurkurek	87.64	50.14	1.96±0.12	valley	2556	3963	3257	65.6	30.4	2.54	N,4
35		87.63	50.14	0.52±0.05	cirque-valley	2800	3664	3265	58.1	35.3	0.66	NE,36
36		87.62	50.15	0.86±0.10	cirque-valley	2842	3624	3215	64.1	28.1	1.11	N,359
37		87.60	50.15	0.33±0.03	cirque	2876	3485	3115	67.2	28.0	0.40	N,14

In total, in the basin of the Aktru river 21 glaciers with total area of 25.34±1.99 км^2 are reconstructed, minimal altitude is 2357 m, maximal altitude is 3970 m, area weighted average ELA is 3134 m

Maashei river basin

38		87.62	50.14	0.08±0.01	flat summit	3472	3564	3528	23.3	13.5	0.08	SW,227
39		87.63	50.12	1.97±0.12	valley	2791	3906	3511	53.6	28.2	2.55	NW,300
40		87.64	50.12	1.24±0.11	cirque	3087	3965	3641	50.1	30.5	1.48	S,174
41		87.66	50.11	0.18±0.03	cirque-valley	3230	3792	3634	50.2	29.6	0.21	W,258
42	Pravyi Maashei	87.65	50.10	2.88±0.17	valley	2757	3952	3398	69.3	28.5	3.72	W,291
43		87.63	50.10	0.13±0.02	hanging	2991	3567	3415	56.5	33.1	0.16	NW,323
44		87.66	50.09	0.11±0.03	hanging	3259	3946	3541	70.6	40.9	0.15	S,182
45		87.67	50.09	0.33±0.03	slope	3252	3963	3716	75.4	39.7	0.50	SW,210
46		87.66	50.07	4.84±0.22	valley	2710	3867	3196	70.9	24.0	5.87	NW,324
47	Bolshoi Maashei	87.61	50.06	6.22±0.23	valley	2225	4107	2890	69.8	19.8	7.07	N,18
48		87.59	50.07	2.12±	valley	2609	4085	3263	66.9	33.5	2.89	NE,32
49		87.58	50.08	0.28±0.03	hanging	2757	3676	3225	56.1	37.3	0.37	N,356
50		87.57	50.08	0.28±0.04	hanging	2663	3676	3172	55.2	36.5	0.36	N,348
51	Levyi Maashei	87.55	50.07	3.46±0.17	valley	2757	4110	3263	64.8	30.2	4.51	N,1

52	87.53	50.08	0.20±0.03	cirque	2950	3382	3108	58.3	31.2	0.25	NE,60
53	87.53	50.09	0.67±0.06	cirque	2903	3447	3099	57.0	21.1	0.76	E,85
54	87.53	50.10	0.02±0.01	hanging	3258	3374	3344	48.8	30.6	0.03	S,175
55	87.55	50.10	0.13±0.02	hanging	3113	3345	3215	42.3	23.9	0.15	W,249
56	87.55	50.10	0.05±0.01	hanging	3108	3312	3216	54.5	27.7	0.06	E,71
57	87.55	50.10	0.18±0.02	hanging	3123	3345	3232	46.3	23.5	0.21	NW,318
58	87.54	50.10	0.03±0.01	hanging	3063	3223	3164	33.2	22.3	0.04	N,6
59	87.53	50.10	0.11±0.02	hanging	3167	3374	3312	48.4	28.8	0.13	NE,38
60	87.53	50.12	0.03±0.01	hanging	3080	3242	3171	48.1	31.0	0.03	N,354
61	87.52	50.11	0.21±0.03	hanging	3065	3514	3347	52.0	34.2	0.26	N,20
62	87.51	50.12	0.50±0.05	cirque-valley	2828	3515	3105	56.8	30.8	0.61	N,22
63	87.50	50.12	0.49±0.07	cirque	2930	3519	3130	62.2	24.9	0.59	E,72
64	87.53	50.14	0.04±0.01	cirque	2882	3193	3021	55.1	41.0	0.06	E,94
65	87.53	50.15	0.42±0.06	cirque	2668	3527	3118	59.1	34.0	0.57	N,347
66	87.52	50.15	0.10±0.02	hanging	3054	3529	3342	55.1	40.3	0.14	N,2
67	87.52	50.15	0.06±0.01	hanging	2943	3378	3216	65.0	40.7	0.08	N,18
68	87.51	50.16	0.18±0.04	cirque	2803	3295	3018	51.6	29.8	0.22	NE,36
69	87.51	50.14	0.69±0.04	valley	2819	3561	3116	62.3	28.0	0.84	N,340
70	87.51	50.13	0.14±0.02	hanging	3167	3591	3437	50.2	35.1	0.17	NW,299
71	87.49	50.14	1.65±0.10	valley	2666	3667	3056	60.9	24.1	1.93	N,11
72	87.48	50.14	0.73±0.10	cirque	2732	3416	3069	56.4	32.1	1.06	N,11
73	87.47	50.15	0.02±0.01	hanging	2877	3123	3035	50.2	33.2	0.03	N,0

In total, in the basin of the Maashei 36 glaciers with total area of 30.79±2.06 км² are reconstructed, minimal altitude is 2225 m, maximal altitude 4110 m, area weighted average ELA is 3081 m.

Shavly river basin

74	87.46	50.17	0.21±0.02	cirque	2964	3141	3033	42.2	16.0	0.22	N,342
75	87.45	50.17	0.17±0.03	cirque	2700	3247	2961	66.5	33.4	0.22	N,349
76	87.46	50.15	0.98±0.07	cirque-valley	2760	3404	3035	51.9	22.6	1.11	N,355
77	87.45	50.14	0.16±0.02	hanging	2805	3374	3206	51.7	34.0	0.20	N,339
78	87.44	50.14	0.11±0.02	hanging	3028	3383	3233	58.7	35.4	0.14	N,357
79	87.44	50.14	0.09±0.02	hanging	2995	3370	3214	56.7	35.8	0.12	N,349
80	87.43	50.14	0.03±0.01	hanging	3050	3224	3154	45.6	28.9	0.04	N,343

81	87.43	50.14	0.05±0.01	hanging	3086	3183	3143	37.6	23.2	0.05	N,352
82	87.43	50.14	0.03±0.01	hanging	3032	3182	3128	38.6	24.5	0.04	N,16
83	87.48	50.13	0.07±0.02	hanging	3235	3667	3517	51.9	35.9	0.09	NW,315
84	87.48	50.13	0.06±0.01	hanging	3106	3573	3409	55.3	38.6	0.08	W,284
85	87.48	50.12	0.01±0.01	hanging	3440	3560	3495	43.5	37.7	0.01	SW,214
86	87.50	50.10	1.78±0.14	Cirque-valley	2696	3713	3168	71.6	30.4	2.59	N,8
87	87.49	50.10	0.20±0.02	hanging	3047	3716	3451	70.4	42.9	0.29	NE,26
88	87.48	50.10	0.20±0.02	hanging	3175	3664	3511	57.2	32.4	0.24	NE,25
89	87.47	50.10	0.11±0.02	hanging	3298	3721	3495	55.7	34.3	0.14	NE,34
90	87.46	50.10	0.17±0.03	hanging	3044	3714	3486	67.4	42.1	0.26	NW,334
91	87.47	50.10	0.10±0.02	hanging	3539	3721	3630	54.3	27.8	0.12	S,171
92	87.52	50.09	0.03±0.01	slope	3362	3447	3404	41.8	23.7	0.03	SW,242
93	87.52	50.08	0.07±0.02	hanging	3160	3334	3256	49.3	19.9	0.08	W,287
94	87.52	50.08	0.04±0.01	hanging	3214	3334	3262	36.0	21.3	0.05	S,163
95	87.53	50.08	0.26±0.03	cirque	3005	3490	3293	51.5	27.3	0.30	W,273
96	87.52	50.07	0.73±0.06	cirque-valley	2741	3528	3074	67.5	30.8	0.92	NW,337
97	87.50	50.07	0.53±0.05	hanging	3008	3800	3511	66.2	39.3	0.73	N,5
98	87.50	50.08	0.10±0.01	прuslope	2667	2782	2718	36.2	15.2	0.10	N,357
99	87.49	50.07	0.14±0.02	hanging	2916	3530	3301	58.0	38.8	0.19	N,348
100	87.50	50.07	0.06±0.02	hanging	3568	3803	3695	42.1	31.7	0.07	W,251
101	87.50	50.06	0.01±0.01	hanging	3348	3510	3458	46.3	33.5	0.02	W,257
102	87.48	50.05	1.81±0.14	valley	2621	3489	2994	59.1	22.5	2.12	N,2
103	87.46	50.05	1.25±0.12	cirque	2503	3691	2984	68.5	31.3	1.73	N,9
104	87.44	50.05	2.44±0.14	valley	2591	3674	3099	68.0	28.6	3.05	N,21
105	87.43	50.05	0.03±0.01	hanging	2997	3202	3079	50.1	35.4	0.04	NE,61
106	87.42	50.06	0.59±0.11	cirque	2685	3411	3015	64.1	31.1	0.82	NE,54
107	87.41	50.06	0.03±0.01	hanging	3173	3254	3215	33.4	18.8	0.03	S,168
108	87.42	50.08	0.06±0.01	cirque	2898	3141	3026	51.8	27.7	0.07	NW,335
109	87.42	50.07	0.67±0.06	valley	2805	3251	2991	60.7	16.9	0.75	N,7
110	87.41	50.06	0.05±0.01	hanging	3020	3251	3173	49.3	30.7	0.06	NW,293
111	87.39	50.06	2.13±0.14	valley	2440	3642	3048	64.1	27.1	2.52	NE,29
112	87.38	50.07	0.12±0.02	flat summit	3034	3435	3305	53.1	32.6	0.15	NE,67

113	87.38	50.08	0.05±0.01	hanging	3051	3350	3268	56.3	30.2	0.06	NE,63
114	87.38	50.09	0.04±0.01	hanging	3005	3290	3191	62.5	33.5	0.04	N,18
115	87.37	50.07	0.34±0.04	cirque-valley	2818	3322	3019	48.4	26.9	0.39	N,338
116	87.38	50.07	1.04±0.09	valley	2712	3609	3057	52.2	22.8	1.16	N,342
117	87.35	50.07	0.14±0.02	cirque	3016	3433	3265	66.3	39.6	0.19	NE,37

In total, in the basin of the Shavly river there are 44 glaciers with the total area of 17.31±1.65 km^2, minimal altitude 2440 m, maximal altitude 3803 m, area weighted average ELA is 3059 m

Yungur river basin

118	87.37	50.06	0.77±0.08	cirque-valley	2760	3472	3061	69.4	30.2	1.01	NW,333
119	87.36	50.06	0.12±0.02	hanging	2858	3427	3250	62.0	38.0	0.16	N,19
120	87.35	50.05	0.04±0.01	hanging	3112	3433	3337	58.2	32.0	0.05	NW,310
121	87.35	50.06	0.04±0.01	hanging	2943	3347	3244	55.0	32.8	0.04	N,353
122	87.38	50.05	0.14±0.02	cirque	2976	3130	3045	39.0	21.0	0.15	SE,142
123	87.39	50.05	0.30±0.03	cirque	2965	3366	3074	47.9	21.7	0.33	SW,204
124	87.41	50.05	0.74±0.05	cirque-valley	2892	3371	3118	54.9	20.5	0.82	W,286
125	87.43	50.03	0.82±0.05	cirque-valley	2905	3322	3078	60.2	18.3	0.89	NW,298
126	87.42	50.03	0.07±0.02	hanging	3131	3350	3228	59.2	39.2	0.09	NW,309
127	87.40	49.99	0.25±0.04	cirque	2753	3220	2963	58.9	27.1	0.29	N,11
128	87.39	49.98	0.01±0.01	hanging	3041	3129	3098	35.4	21.0	0.01	N,1
129	87.38	49.97	0.05±0.01	hanging	3012	3223	3151	56.7	23.3	0.05	NE,23
130	87.37	49.97	0.16±0.03	hanging	2671	3356	3101	63.2	35.0	0.21	N,352
131	87.34	49.97	0.02±0.01	hanging	2981	3233	3157	64.3	38.1	0.03	N,353
132	87.33	49.97	0.05±0.01	hanging	2966	3270	3189	54.3	29.0	0.06	N,3
133	87.33	49.97	0.03±0.01	hanging	3047	3369	3221	54.4	43.4	0.04	N,9
134	87.32	49.97	0.09±0.02	cirque	2848	3157	2982	65.9	50.1	0.15	N,2
135	87.31	49.97	0.17±0.04	cirque-hanging	2785	3253	3014	59.9	33.0	0.23	N,360
136	87.29	49.97	0.36±0.04	cirque-valley	2838	3248	3069	56.0	23.3	0.40	N,342
137	87.28	49.96	0.01±0.01	hanging	3088	3157	3120	34.6	26.2	0.01	N,347
138	87.27	49.96	0.01±0.01	hanging	3087	3209	3151	45.8	36.3	0.02	NE,31
139	87.26	49.96	0.01±0.01	hanging	3068	3199	3167	57.6	34.3	0.02	SE,117
140	87.25	49.96	0.05±0.01	hanging	3030	3404	3260	62.1	40.7	0.07	N,358
141	87.24	49.96	0.11±0.02	cirque	2689	3293	3024	52.2	37.2	0.15	N,340

142	87.23	49.96	0.16±0.04	cirque	2793	3378	3044	60.5	35.0	0.20	N,0
143	87.22	49.96	0.66±0.07	valley	2696	3346	2954	66.7	25.6	0.77	N,359
144	87.21	49.96	0.33±0.04	valley	2641	3279	2894	76.7	29.0	0.40	N,13
145	87.20	49.96	0.07±0.01	hanging	3054	3278	3192	60.5	34.7	0.09	NE,66
146	87.20	49.97	0.08±0.01	cirque-hanging	2854	3237	3080	47.5	36.7	0.10	N,11
147	87.18	49.96	0.04±0.01	hanging	2823	3013	2928	45.9	28.1	0.04	NE,44
148	87.18	49.95	0.07±0.01	cirque	2977	3308	3159	65.1	45.0	0.10	N,20
149	87.17	49.96	0.05±0.01	hanging	2980	3516	3177	75.8	59.4	0.10	SE,117
150	87.17	49.96	0.05±0.01	hanging	3210	3525	3405	68.0	40.2	0.06	NE,36
151	87.17	49.96	0.06±0.01	hanging	3035	3495	3340	61.8	38.2	0.09	N,15
152	87.17	49.97	0.02±0.01	hanging	2945	3331	3092	70.7	53.3	0.05	NE,60
153	87.15	49.98	0.03±0.08	hanging	3056	3153	3109	35.6	21.6	0.03	N,10
154	87.15	49.98	0.02±0.01	hanging	3102	3194	3143	47.7	25.8	0.03	NE,31
155	87.15	49.98	0.01±0.01	hanging	3116	3262	3198	53.4	30.9	0.02	NW,305
156	87.14	49.98	0.02±0.01	hanging	3103	3236	3176	54.2	35.0	0.02	NE,32
157	87.17	49.94	0.02±0.01	hanging	3092	3239	3200	42.4	24.4	0.02	N,353
158	87.11	49.91	0.01±0.01	hanging	3118	3248	3181	45.4	38.7	0.02	N,356
159	87.11	49.91	0.01±0.01	hanging	3131	3338	3260	53.8	36.5	0.02	N,359
160	87.11	49.91	0.02±0.01	hanging	3086	3322	3221	54.3	39.4	0.03	N,359
161	87.10	49.92	0.02±0.01	cirque	3107	3216	3165	35.9	23.8	0.02	N,14
162	87.07	49.92	0.74±0.07	cirque	2849	3431	3165	64.1	32.4	0.98	N,11
163	87.06	49.93	0.01±0.01	hanging	3066	3126	3114	47.2	17.8	0.01	NE,30
164	87.05	49.93	0.14±0.02	cirque	2763	3224	2964	61.9	34.4	0.18	N,9
165	87.05	49.93	0.04±0.01	cirque-hanging	3130	3348	3227	51.2	36.1	0.05	SE,123
166	87.05	49.94	0.13±0.02	cirque	2914	3340	3131	63.4	39.9	0.19	N,19
167	87.04	49.94	0.06±0.01	cirque	3117	3409	3269	60.3	41.1	0.08	N,22
168	87.05	49.94	0.23±0.02	cirque	2731	3052	2822	57.5	19.5	0.25	NE,31
169	87.03	49.94	0.47±0.04	cirque-valley	2942	3346	3123	52.1	22.7	0.52	N,355
170	87.02	49.94	0.15±0.02	cirque	2910	3256	3047	66.6	31.2	0.18	N,2
171	87.01	49.94	0.01±<0.01	hanging	3223	3306	3279	54.6	37.3	0.01	NE,35
172	87.01	49.95	0.01±<0.01	cirque-hanging	3175	3250	3222	51.1	24.8	0.01	NW,336

In total, in the basin of the Yungur river there are 55 glaciers with the total area of 8.17±1,07 км², minimal altitude is 2641 m , maximal altitude is 3525 m, area weighted average ELA is 3075 m,

Karagem river basin

173	87.21	49.93	0.11±0.02	cirque	2886	3344	3095	74.7	43.9	0.19	N,21
174	87.25	49.94	0.03±0.01	hanging	3138	3295	3188	46.7	25.1	0.03	SE,152
175	87.24	49.94	0.03±0.01	hanging	3148	3295	3201	48.9	24.2	0.03	NE,34
176	87.23	49.95	0.66±0.07	cirque-valley	2855	3410	3063	75.5	25.0	0.78	E,93
177	87.27	49.96	0.09±0.02	cirque	2943	3022	3033	68.4	26.4	0.11	NE,48
178	87.30	49.96	0.12±0.02	cirque	3013	3145	3077	42.5	14.2	0.13	E,94
179	87.32	49.94	0.15±0.03	cirque	2869	3416	3058	69.2	32.7	0.21	NE,57
180	87.33	49.96	0.27±0.03	cirque-valley	2988	3308	3147	42.8	21.1	0.29	NE,47
181	87.33	49.97	0.54±0.04	valley	3024	3419	3224	49.8	17.1	0.57	SE,115
182	87.34	49.97	0.03±0.01	cirque	2786	2893	2832	31.5	21.5	0.03	SE,135
183	87.42	50.00	0.20±0.03	cirque-valley	2903	3224	3040	44.3	24.0	0.22	E,73
184	87.42	50.01	0.13±0.03	cirque	2886	3265	2994	58.3	30.2	0.16	NE,57
185	87.42	50.02	0.32±0.04	cirque	2898	3297	3149	45.3	23.4	0.36	S,159
186	87.43	50.02	0.97±0.07	cirque-valley	2868	3458	3105	52.5	18.6	1.05	SE,114
187	87.44	50.03	0.66±0.05	cirque-valley	2949	3523	3131	60.9	17.6	0.71	SE,149
188	87.45	50.03	0.62±0.08	cirque-valley	2895	3495	3247	57.2	26.6	0.71	S,194
189	87.47	50.03	0.14±0.02	cirque	2853	3089	2946	57.9	26.0	0.16	E,69
190	87.47	50.03	1.11±0.07	cirque-valley	2822	3415	3008	51.9	18.0	1.21	SE,135
191	87.49	50.04	0.62±0.06	valley	2887	3486	3139	53.5	25.2	0.72	E,108
192	87.52	50.02	0.01±<0.01	hanging	3196	3280	3233	50.9	36.6	0.01	NE,30
193	87.52	50.02	0.04±0.01	hanging	3124	3318	3232	57.2	34.3	0.04	NW,296
194	87.51	49.99	0.02±0.01	hanging	3197	3362	3311	53.2	39.8	0.02	N,356
195	87.51	50.00	0.06±0.01	cirque	2885	3065	2965	42.6	23.9	0.06	NE,58
196	87.52	50.01	0.17±0.02	cirque	2879	3140	2998	49.4	23.2	0.19	E,68
197	87.57	49.99	0.03±0.01	hanging	3079	3254	3206	67.1	29.2	0.04	N,359
198	87.52	50.02	0.05±0.01	cirque	2868	3054	2957	47.0	37.9	0.06	E,84
199	87.50	50.04	0.85±0.05	valley	2858	3312	3050	55.4	20.6	0.94	SE,126
200	87.51	50.06	1.14±0.08	valley	2860	3513	3123	60.5	19.6	1.28	E,109
201	87.51	50.07	0.18±0.03	slope	3356	3803	3594	53.8	33.4	0.23	E,110

202		87.52	50.06	0.67±0.04	valley	2976	3335	3108	57.0	14.7	0.71	SE,123
203		87.54	50.06	2.18±0.14	valley	2884	3861	3262	54.4	17.2	2.45	S,198
204		87.53	50.07	0.04±0.01	slope	3410	3490	3461	45.4	20.0	0.05	S,159
205		87.55	50.05	0.53±0.07	cirque-valley	2971	3394	3127	52.6	20.3	0.60	E,83
206		87.56	50.06	0.47±0.10	cirque	3088	4113	3689	56.6	35.9	0.69	SW,228
207		87.58	50.05	0.68±0.09	cirque-valley	3028	3959	3595	56.5	26.9	0.79	SW,226
208		87.58	50.03	0.05±0.01	hanging	2990	3381	3275	52.9	34.2	0.07	NW,299
209		87.59	50.03	0.09±0.01	cirque	3005	3159	3078	34.4	18.7	0.10	E,101
210	Bolshoi Abyl-Oyuk	87.60	50.04	4.22±0.19	valley	2679	3892	3379	55.2	19.7	4.72	SE,141
211		87.62	50.04	0.12±0.02	cirque	2845	3137	3009	52.1	28.5	0.14	E,82
212		87.62	50.06	2.37±0.17	valley	2525	3895	3342	58.9	28.7	2.72	SE,138
213	Pravyi Karagemskyi	87.63	50.06	0.82±0.06	valley	2739	3905	3499	49.0	29.6	0.95	SE,139
214		87.66	50.06	3.11±0.15	valley	2904	3861	3326	53.8	19.1	3.49	S,163
215	Levyi Karagemskyi	87.68	50.06	2.64±0.16	valley	2733	3698	3351	55.3	21.5	3.01	W,263
216		87.69	50.05	0.02±0.01	slope	3579	3639	3620	36.7	24.5	0.02	SW,216
217		87.69	50.04	0.05±0.01	hanging	3526	3685	3617	36.4	26.7	0.05	NW,294
218		87.69	50.04	0.18±0.02	hanging	3130	3670	3488	56.3	36.3	0.22	W,284
219		87.68	50.04	0.15±0.02	hanging	2994	3613	3387	55.0	36.8	0.19	W,292
220		87.69	50.04	0.03±0.01	hanging	3448	3613	3542	39.8	27.5	0.04	S,190
221		87.70	50.02	0.09±0.02	hanging	3189	3688	3462	51.0	33.4	0.12	NW,303
222		87.69	50.02	0.22±0.03	hanging	2928	3685	3460	60.2	30.9	0.26	NW,295
223		87.68	50.02	0.06±0.01	cirque-hanging	3047	3173	3134	33.8	16.1	0.06	NW,318
224		87.70	50.02	0.17±0.02	hanging	3307	3688	3541	58.1	37.0	0.22	S,182

In total, in the basin of the Karagem river there are 52 glaciers with the total area of 28,31±2,29 км^2, minimal altitude is 2525 m , maximal altitude is 4113 m, area weighted average ELA is 3160 m.