

Appendix A - Glacier Inventory

Table A1 - Summary statistics for glacier area / area change

Population			Area (km ²)		Area change		
1958	1998	Change	1958	1998	(km ²)	% 1958	
321	316	-5	Total	117.3 ± 1.0	109.1 ± 1.1	-8.2 ± 0.1	-7.0%
			Area (km ²)		Fractional Area change		
			1958	1998	% 1958		
			Average	0.4	0.3	Average	-11.4%
			Minimum	0.1	0.1	Minimum	-57.0%
			Maximum	6.8	6.5	Maximum	10.3%

Table A2

Glacier area and area change by area class (Area classes are in 0.1 km² intervals)

Class	Population			Area (km ²)		Area Change		
	1958	1998	Change	1958	1998	km ²	% 1958	
0.1	100	97	-3	-3.0%	5.85 ± 2.00	5.11 ± 1.64	-0.73 ± 2.00	-12.6%
0.2	95	94	-1	-1.1%	13.20 ± 3.25	11.54 ± 2.64	-1.66 ± 3.17	-12.5%
0.3	45	44	-1	-2.2%	11.16 ± 2.34	9.75 ± 1.97	-1.42 ± 2.42	-12.7%
0.4	16	16	0	0.0%	5.44 ± 0.99	4.89 ± 0.82	-0.55 ± 0.99	-10.0%
0.5	10	10	0	0.0%	4.35 ± 0.67	4.06 ± 0.57	-0.28 ± 0.67	-6.6%
0.6	11	11	0	0.0%	6.07 ± 0.90	5.56 ± 0.73	-0.50 ± 0.90	-8.3%
0.7	4	4	0	0.0%	2.65 ± 0.37	2.39 ± 0.31	-0.26 ± 0.16	-9.9%
0.8	7	7	0	0.0%	5.33 ± 0.73	5.07 ± 0.58	-0.27 ± 0.73	-5.0%
0.9	8	8	0	0.0%	6.80 ± 0.78	6.27 ± 0.66	-0.53 ± 0.78	-7.8%
1.0	3	3	0	0.0%	2.86 ± 0.43	2.69 ± 0.37	-0.17 ± 0.43	-5.9%
1.1	2	2	0	0.0%	2.11 ± 0.16	2.04 ± 0.14	-0.07 ± 0.16	-3.2%
1.2	4	4	0	0.0%	4.56 ± 0.39	4.36 ± 0.32	-0.20 ± 0.39	-4.4%
1.3	1	1	0	0.0%	1.23 ± 0.09	1.10 ± 0.07	-0.12 ± 0.09	-10.1%
1.7	1	1	0	0.0%	1.62 ± 0.12	1.59 ± 0.10	-0.03 ± 0.12	-2.0%
1.8	3	3	0	0.0%	5.32 ± 0.60	4.98 ± 0.47	-0.34 ± 0.60	-6.4%
2.0	1	1	0	0.0%	1.97 ± 0.17	1.89 ± 0.11	-0.08 ± 0.17	-4.2%
2.1	1	1	0	0.0%	2.04 ± 0.15	1.98 ± 0.12	-0.06 ± 0.15	-3.1%
2.3	1	1	0	0.0%	2.22 ± 0.12	2.11 ± 0.11	-0.11 ± 0.12	-4.9%
2.5	1	1	0	0.0%	2.47 ± 0.26	2.38 ± 0.22	-0.09 ± 0.26	-3.6%
2.8	1	1	0	0.0%	2.74 ± 0.21	2.65 ± 0.16	-0.09 ± 0.21	-3.2%
3.4	1	1	0	0.0%	3.36 ± 0.20	3.31 ± 0.19	-0.05 ± 0.20	-1.5%
3.6	1	1	0	0.0%	3.54 ± 0.20	3.42 ± 0.14	-0.12 ± 0.20	-3.5%
4.0	1	1	0	0.0%	3.99 ± 0.17	3.81 ± 0.20	-0.17 ± 0.17	-4.3%
4.6	1	1	0	0.0%	4.55 ± 0.22	4.56 ± 0.19	0.01 ± 0.22	0.2%
5.1	1	1	0	0.0%	5.04 ± 0.31	5.00 ± 0.25	-0.05 ± 0.31	-0.9%
6.9	1	1	0	0.0%	6.83 ± 0.24	6.53 ± 0.21	-0.29 ± 0.24	-4.3%

Table A3 - Glacier population and area by average elevation (1958)

Elevation 1958	Population		Area		Class Statistics		
	Number	% total	km ²	% total	Ave	Min	Max
1300	2	0.6%	0.5	0.4%	0.24	0.12	0.35
1400	2	0.6%	0.2	0.2%	0.11	0.09	0.13
1500	9	2.8%	1.1	0.9%	0.12	0.03	0.38
1600	13	4.0%	1.8	1.5%	0.14	0.05	0.23
1700	26	8.1%	7.2	6.1%	0.28	0.02	1.78
1800	36	11.2%	13.2	11.2%	0.37	0.02	2.47
1900	61	19.0%	15.0	12.8%	0.25	0.02	1.14
2000	51	15.9%	21.9	18.7%	0.43	0.01	5.04
2100	59	18.4%	35.1	30.0%	0.60	0.02	6.83
2200	45	14.0%	16.9	14.4%	0.38	0.03	2.22
2300	15	4.7%	3.3	2.8%	0.22	0.03	0.76
2400	2	0.6%	1.1	0.9%	0.53	0.12	0.95

Table A4 - Glacier population and area by slope (1958)

Slope 1958	Population		Area		Class Statistics		
	Number	% total	km ²	% total	Ave	Min	Max
20° -> 29°	142	44.2%	78.1	66.6%	0.55	0.01	6.83
30° -> 39°	133	41.4%	32.9	28.1%	0.25	0.03	2.47
40° -> 49°	39	12.1%	5.8	4.9%	0.15	0.02	0.95
50° -> 59°	6	1.9%	0.4	0.4%	0.07	0.02	0.14
60° -> 69°	1	0.3%	< 0.1	< 0.1%	0.03	0.03	0.03

Table A5 - Glacier population and area by orientation (1958)

Orientation Class	Population		Area		Class statistics		
	Number	% total	km ²	% total	Ave	Min	Max
000° -> 030°	106	33.0%	26.4	22.6%	0.31	0.03	0.44
030° -> 060°	51	15.9%	23.2	19.8%	0.32	0.02	0.58
060° -> 090°	16	5.0%	10.7	9.1%	0.56	0.02	1.06
090° -> 120°	24	7.5%	3.7	3.2%	0.27	0.04	0.25
120° -> 150°	7	2.2%	9.9	8.5%	0.43	0.04	0.73
150° -> 180°	7	2.2%	5.6	4.8%	0.63	0.01	1.00
180° -> 210°	16	5.0%	0.5	0.4%	0.08	0.02	0.04
210° -> 240°	8	2.5%	2.8	2.4%	0.18	0.02	0.21
240° -> 270°	16	5.0%	3.4	2.9%	0.31	0.04	0.36
270° -> 300°	12	3.7%	3.4	2.9%	0.24	0.05	0.22
200° -> 330°	29	9.0%	9.4	8.0%	0.52	0.04	1.15
330° -> 000°	29	9.0%	18.1	15.5%	0.40	0.04	0.61

Table A6 - Glacier catalog (Area and area change)

Glacier Name	ID Code		Area (km ²)		Area Change	
	Post	WGMS	1958	1998	(km ²)	% 1958
	211301	USM0011301	0.02 ± 0.01	0.01 ± 0.01	-0.01 ± 0.00	-50.0%
	211401	USM0011401	0.10 ± 0.04	0.09 ± 0.04	-0.01 ± 0.01	-12.4%
	211402	USM0011402	0.12 ± 0.04	0.09 ± 0.03	-0.03 ± 0.01	-24.2%
	211403	USM0011403	0.04 ± 0.02	0.04 ± 0.02	0.00 ± 0.00	0.0%
	211404	USM0011404	0.02 ± 0.01	0.02 ± 0.01	0.00 ± 0.00	0.0%
	211405	USM0011405	0.06 ± 0.03	0.05 ± 0.02	-0.01 ± 0.00	-17.7%
	211406	USM0011406	0.05 ± 0.01	0.04 ± 0.01	-0.00 ± 0.00	-4.3%
	211407	USM0011407	0.03 ± 0.01	0.03 ± 0.01	0.00 ± 0.00	0.0%
	211408	USM0011408	0.14 ± 0.03	0.10 ± 0.02	-0.04 ± 0.01	-28.0%
	211409	USM0011409	0.08 ± 0.02	0.08 ± 0.02	0.00 ± 0.00	0.0%
	211410	USM0011410	0.04 ± 0.02	0.04 ± 0.02	0.00 ± 0.00	0.0%
	211411	USM0011411	0.01 ± 0.01	± 0.00	-0.01 ± 0.00	-100.0%
	211412	USM0011412	0.09 ± 0.03	0.09 ± 0.03	0.00 ± 0.00	0.0%
	211413	USM0011413	0.06 ± 0.02	0.06 ± 0.02	0.00 ± 0.00	0.0%
	211414	USM0011414	0.03 ± 0.01	± 0.00	-0.03 ± 0.01	-100.0%
	211415	USM0011415	0.06 ± 0.03	0.06 ± 0.03	-0.00 ± 0.00	-1.7%
	211416	USM0011416	0.05 ± 0.01	0.05 ± 0.01	0.00 ± 0.00	0.0%
	211501	USM0011501	0.11 ± 0.02	0.10 ± 0.02	-0.01 ± 0.00	-4.6%
	211502	USM0011502	0.07 ± 0.02	0.07 ± 0.02	0.00 ± 0.00	1.4%
	211503	USM0011503	0.05 ± 0.01	0.04 ± 0.01	-0.01 ± 0.00	-10.2%
	211504	USM0011504	0.11 ± 0.03	0.11 ± 0.03	-0.00 ± 0.00	-3.5%
	211505	USM0011505	0.12 ± 0.04	0.07 ± 0.03	-0.05 ± 0.01	-38.7%
Redoubt	211506	USM0011506	2.04 ± 0.13	1.98 ± 0.14	-0.06 ± 0.01	-3.1%
	211507	USM0011507	1.18 ± 0.08	1.09 ± 0.08	-0.09 ± 0.02	-7.9%
	211508	USM0011508	0.43 ± 0.06	0.41 ± 0.07	-0.02 ± 0.01	-4.7%
	211509	USM0011509	0.18 ± 0.04	0.18 ± 0.04	0.00 ± 0.00	0.0%
	211510	USM0011510	0.18 ± 0.04	0.17 ± 0.04	-0.01 ± 0.00	-4.5%
	211601	USM0011601	0.04 ± 0.01	0.04 ± 0.01	0.00 ± 0.00	0.0%
	211602	USM0011602	0.06 ± 0.03	0.06 ± 0.03	0.00 ± 0.00	0.0%
	211603	USM0011603	0.18 ± 0.03	0.16 ± 0.04	-0.03 ± 0.01	-14.8%
	211604	USM0011604	0.03 ± 0.01	0.03 ± 0.01	0.00 ± 0.00	0.0%
	211701	USM0011701	0.05 ± 0.01	0.05 ± 0.01	0.00 ± 0.00	0.0%
	211702	USM0011702	0.04 ± 0.01	0.04 ± 0.01	0.00 ± 0.00	0.0%
	211801	USM0011801	0.26 ± 0.03	0.21 ± 0.04	-0.04 ± 0.01	-17.3%
	211802	USM0011802	0.18 ± 0.03	0.11 ± 0.02	-0.07 ± 0.01	-38.5%
	211803	USM0011803	0.08 ± 0.02	0.08 ± 0.02	0.00 ± 0.00	0.0%
	211804	USM0011804	0.51 ± 0.09	0.49 ± 0.09	-0.03 ± 0.01	-4.9%
	211901	USM0011901	0.14 ± 0.03	0.12 ± 0.03	-0.02 ± 0.01	-12.6%
	211902	USM0011902	0.10 ± 0.04	0.07 ± 0.04	-0.03 ± 0.01	-26.0%
	211905	USM0011905	0.32 ± 0.04	0.29 ± 0.04	-0.03 ± 0.01	-10.6%
	212301	USM0012301	0.04 ± 0.01	0.04 ± 0.01	0.00 ± 0.00	0.0%
	212302	USM0012302	0.58 ± 0.06	0.54 ± 0.05	-0.04 ± 0.01	-7.4%
Icy Peak	212303	USM0012303	0.58 ± 0.07	0.49 ± 0.08	-0.09 ± 0.02	-15.3%

Table A6 continued - Glacier catalog (Area and area change)

Glacier Name	ID Code		Area (km ²)		Area Change	
	Post	WGMS	1958	1998	(km ²)	% 1958
Nooksak	212304	USM0012304	2.47 ± 0.21	2.38 ± 0.23	-0.09 ± 0.02	-3.6%
West Nooksak	212305	USM0012305	0.17 ± 0.04	0.12 ± 0.02	-0.05 ± 0.01	-29.0%
Price	212306	USM0012306	1.62 ± 0.16	1.59 ± 0.17	-0.03 ± 0.01	-2.1%
Hanging	212307	USM0012307	0.11 ± 0.02	0.11 ± 0.02	-0.00 ± 0.00	-0.9%
	212401	USM0012401	0.58 ± 0.09	0.55 ± 0.09	-0.03 ± 0.01	-4.8%
	212402	USM0012402	0.81 ± 0.10	0.75 ± 0.11	-0.06 ± 0.01	-7.9%
White Salmon	212403	USM0012403	0.16 ± 0.04	0.15 ± 0.04	-0.01 ± 0.01	-6.9%
Curtis	221204	USM0021204	0.89 ± 0.09	0.85 ± 0.10	-0.04 ± 0.01	-4.5%
	221205	USM0021205	0.28 ± 0.04	0.22 ± 0.04	-0.06 ± 0.01	-20.9%
	221206	USM0021206	0.12 ± 0.02	0.12 ± 0.03	-0.00 ± 0.00	-3.3%
Sulfide	221301	USM0021301	3.54 ± 0.16	3.42 ± 0.17	-0.12 ± 0.02	-3.5%
Crystal	221302	USM0021302	2.74 ± 0.17	2.65 ± 0.18	-0.09 ± 0.02	-3.3%
	221303	USM0021303	0.26 ± 0.09	0.23 ± 0.08	-0.03 ± 0.01	-9.6%
	221304	USM0021304	0.29 ± 0.05	0.28 ± 0.05	-0.00 ± 0.00	-1.0%
	221401	USM0021401	0.29 ± 0.07	0.25 ± 0.06	-0.04 ± 0.01	-14.0%
	221402	USM0021402	0.12 ± 0.03	0.09 ± 0.02	-0.03 ± 0.01	-24.3%
Spillway	221403	USM0021403	0.27 ± 0.07	0.24 ± 0.07	-0.03 ± 0.01	-11.7%
	221404	USM0021404	0.02 ± 0.02	0.02 ± 0.02	0.00 ± 0.00	0.0%
	221405	USM0021405	0.22 ± 0.05	0.19 ± 0.05	-0.04 ± 0.01	-15.7%
	221406	USM0021406	0.05 ± 0.02	0.05 ± 0.02	0.00 ± 0.00	0.0%
	221501	USM0021501	0.38 ± 0.07	0.34 ± 0.08	-0.03 ± 0.01	-9.1%
	221502	USM0021502	0.04 ± 0.01	0.03 ± 0.01	-0.02 ± 0.01	-40.9%
	221503	USM0021503	0.18 ± 0.04	0.14 ± 0.04	-0.03 ± 0.01	-18.6%
	221504	USM0021504	0.12 ± 0.02	0.12 ± 0.02	0.00 ± 0.00	0.0%
	221601	USM0021601	0.09 ± 0.02	0.08 ± 0.02	-0.01 ± 0.00	-8.7%
	221602	USM0021602	0.11 ± 0.02	0.10 ± 0.03	-0.01 ± 0.00	-7.1%
	221603	USM0021603	0.79 ± 0.09	0.76 ± 0.10	-0.03 ± 0.01	-3.7%
	221604	USM0021604	0.16 ± 0.04	0.11 ± 0.03	-0.05 ± 0.01	-32.5%
	221605	USM0021605	0.20 ± 0.03	0.17 ± 0.03	-0.04 ± 0.01	-17.5%
	221606	USM0021606	0.69 ± 0.11	0.57 ± 0.11	-0.12 ± 0.02	-17.4%
	221701	USM0021701	0.29 ± 0.04	0.22 ± 0.03	-0.08 ± 0.01	-25.9%
	221702	USM0021702	0.10 ± 0.02	0.08 ± 0.03	-0.01 ± 0.01	-15.8%
	221703	USM0021703	0.11 ± 0.02	0.09 ± 0.02	-0.03 ± 0.01	-22.8%
	221704	USM0021704	0.44 ± 0.06	0.36 ± 0.06	-0.08 ± 0.01	-17.9%
	221705	USM0021705	0.10 ± 0.03	0.10 ± 0.03	-0.01 ± 0.00	-8.7%
	221706	USM0021706	0.20 ± 0.03	0.18 ± 0.03	-0.02 ± 0.01	-10.3%
	221707	USM0021707	0.09 ± 0.01	0.08 ± 0.01	-0.01 ± 0.00	-5.9%
	221708	USM0021708	0.10 ± 0.02	0.09 ± 0.02	-0.01 ± 0.00	-9.7%
	221709	USM0021709	0.14 ± 0.02	0.14 ± 0.02	-0.01 ± 0.00	-4.9%
	221710	USM0021710	0.07 ± 0.01	0.07 ± 0.02	-0.00 ± 0.00	-4.2%
	221711	USM0021711	0.13 ± 0.02	0.12 ± 0.02	-0.01 ± 0.00	-7.6%
	221712	USM0021712	0.04 ± 0.01	0.04 ± 0.01	0.00 ± 0.00	0.0%
	221713	USM0021713	0.07 ± 0.01	0.06 ± 0.01	-0.01 ± 0.00	-7.6%

Table A6 continued - Glacier catalog (Area and area change)

Glacier Name	ID Code		Area (km ²)		Area Change		
	Post	WGMS	1958	1998	(km ²)	% 1958	
	221714	USM0021714	0.47 ± 0.07	0.39 ± 0.08	-0.08 ± 0.01	0.01	-16.8%
	221801	USM0021801	0.25 ± 0.04	0.23 ± 0.04	-0.02 ± 0.01	0.01	-8.0%
	221802	USM0021802	0.08 ± 0.02	0.06 ± 0.02	-0.02 ± 0.01	0.01	-23.8%
	221803	USM0021803	0.09 ± 0.03	0.08 ± 0.03	-0.01 ± 0.01	0.01	-13.8%
	221804	USM0021804	0.28 ± 0.04	0.24 ± 0.04	-0.04 ± 0.01	0.01	-13.6%
	221805	USM0021805	0.24 ± 0.04	0.19 ± 0.04	-0.05 ± 0.01	0.01	-22.5%
	221806	USM0021806	0.14 ± 0.02	0.00 ± 0.00	-0.14 ± 0.02	0.02	-100.0%
	221807	USM0021807	0.09 ± 0.02	0.07 ± 0.02	-0.02 ± 0.01	0.01	-26.1%
	221808	USM0021808	0.13 ± 0.02	0.13 ± 0.02	0.00 ± 0.00	0.00	0.0%
	221809	USM0021809	1.10 ± 0.07	1.06 ± 0.08	-0.04 ± 0.01	0.01	-3.4%
Noisy Creek	221901	USM0021901	0.78 ± 0.08	0.72 ± 0.07	-0.06 ± 0.01	0.01	-8.1%
	221902	USM0021902	0.11 ± 0.02	0.11 ± 0.02	0.00 ± 0.00	0.00	0.0%
	221903	USM0021903	0.14 ± 0.03	0.11 ± 0.04	-0.03 ± 0.01	0.01	-22.9%
	222101	USM0022101	1.14 ± 0.08	1.08 ± 0.08	-0.06 ± 0.01	0.01	-4.8%
	222102	USM0022102	0.23 ± 0.02	0.00 ± 0.00	-0.23 ± 0.03	0.03	-100.0%
	222103	USM0022103	0.10 ± 0.02	0.07 ± 0.02	-0.03 ± 0.01	0.01	-28.9%
	222201	USM0022201	0.04 ± 0.01	0.04 ± 0.01	-0.01 ± 0.00	0.00	-11.4%
	222202	USM0022202	0.18 ± 0.03	0.16 ± 0.04	-0.03 ± 0.01	0.01	-15.1%
	222203	USM0022203	0.11 ± 0.03	0.09 ± 0.03	-0.02 ± 0.01	0.01	-22.0%
	222204	USM0022204	0.07 ± 0.01	0.07 ± 0.01	0.00 ± 0.00	0.00	0.0%
	222205	USM0022205	0.88 ± 0.05	0.80 ± 0.07	-0.08 ± 0.01	0.01	-9.2%
	222206	USM0022206	1.14 ± 0.07	1.12 ± 0.08	-0.02 ± 0.01	0.01	-1.7%
	222207	USM0022207	0.11 ± 0.02	0.11 ± 0.02	-0.01 ± 0.00	0.00	-5.4%
	222208	USM0022208	0.44 ± 0.05	0.39 ± 0.05	-0.05 ± 0.01	0.01	-10.7%
	222209	USM0022209	0.04 ± 0.01	0.03 ± 0.01	-0.01 ± 0.00	0.00	-20.5%
	222210	USM0022210	0.08 ± 0.02	0.04 ± 0.01	-0.04 ± 0.01	0.01	-52.4%
	222301	USM0022301	0.54 ± 0.06	0.46 ± 0.07	-0.08 ± 0.01	0.01	-14.5%
	222302	USM0022302	0.21 ± 0.05	0.13 ± 0.05	-0.08 ± 0.01	0.01	-37.7%
	222303	USM0022303	0.13 ± 0.02	0.13 ± 0.02	0.00 ± 0.00	0.00	0.0%
	222304	USM0022304	0.03 ± 0.01	0.02 ± 0.01	-0.01 ± 0.00	0.00	-17.9%
	222305	USM0022305	0.21 ± 0.02	0.19 ± 0.03	-0.02 ± 0.01	0.01	-11.0%
	222306	USM0022306	0.22 ± 0.03	0.20 ± 0.04	-0.02 ± 0.01	0.01	-10.3%
	222307	USM0022307	0.09 ± 0.02	0.04 ± 0.01	-0.05 ± 0.01	0.01	-57.0%
	222308	USM0022308	0.16 ± 0.04	0.14 ± 0.04	-0.02 ± 0.01	0.01	-13.3%
	222309	USM0022309	0.29 ± 0.03	0.26 ± 0.05	-0.03 ± 0.01	0.01	-10.8%
	222310	USM0022310	0.05 ± 0.01	0.04 ± 0.01	-0.01 ± 0.00	0.00	-13.5%
	222311	USM0022311	0.15 ± 0.04	0.10 ± 0.03	-0.05 ± 0.01	0.01	-33.3%
	222312	USM0022312	0.10 ± 0.02	0.10 ± 0.03	0.00 ± 0.00	0.00	0.0%
	222313	USM0022313	0.23 ± 0.05	0.18 ± 0.03	-0.06 ± 0.01	0.01	-23.4%
	222314	USM0022314	0.73 ± 0.06	0.71 ± 0.07	-0.01 ± 0.01	0.01	-1.8%
	222315	USM0022315	0.19 ± 0.03	0.19 ± 0.03	0.00 ± 0.00	0.00	0.0%
	222316	USM0022316	0.21 ± 0.03	0.16 ± 0.02	-0.06 ± 0.01	0.01	-27.0%
	222401	USM0022401	0.35 ± 0.04	0.24 ± 0.04	-0.12 ± 0.02	0.02	-33.0%

Table A6 continued - Glacier catalog (Area and area change)

Glacier Name	ID Code		Area (km ²)		Area Change	
	Post	WGMS	1958	1998	(km ²)	% 1958
	222402	USM0022402	0.19 ±0.03	0.18 ±0.03	-0.00 ±0.00	-2.2%
	222403	USM0022403	0.17 ±0.05	0.17 ±0.05	0.00 ±0.00	0.0%
	222404	USM0022404	0.17 ±0.03	0.09 ±0.02	-0.08 ±0.01	-47.4%
	222405	USM0022405	0.13 ±0.03	0.08 ±0.03	-0.05 ±0.01	-36.5%
	222406	USM0022406	0.10 ±0.03	0.07 ±0.02	-0.03 ±0.01	-30.9%
	222407	USM0022407	0.09 ±0.02	0.07 ±0.02	-0.02 ±0.01	-24.4%
	222408	USM0022408	0.28 ±0.04	0.25 ±0.05	-0.04 ±0.01	-12.6%
Ladder Creek	222501	USM0022501	0.47 ±0.05	0.47 ±0.06	-0.00 ±0.00	-0.8%
	222502	USM0022502	0.24 ±0.04	0.22 ±0.04	-0.02 ±0.01	-8.8%
	222601	USM0022601	0.09 ±0.02	0.08 ±0.02	-0.01 ±0.01	-14.3%
	222602	USM0022602	0.10 ±0.02	0.09 ±0.03	-0.01 ±0.01	-15.0%
	222603	USM0022603	0.27 ±0.06	0.26 ±0.05	-0.02 ±0.01	-5.9%
	222701	USM0022701	0.17 ±0.02	0.16 ±0.02	-0.01 ±0.01	-7.1%
	223101	USM0023101	0.53 ±0.07	0.52 ±0.08	-0.02 ±0.01	-3.2%
	223102	USM0023102	0.95 ±0.15	0.87 ±0.18	-0.08 ±0.01	-8.4%
	223103	USM0023103	0.14 ±0.03	0.11 ±0.03	-0.03 ±0.01	-20.1%
	223104	USM0023104	0.10 ±0.03	0.08 ±0.03	-0.03 ±0.01	-25.7%
	223105	USM0023105	0.63 ±0.06	0.60 ±0.07	-0.03 ±0.01	-4.9%
	223201	USM0023201	0.12 ±0.03	0.13 ±0.04	0.01 ±0.01	9.8%
	223202	USM0023202	0.36 ±0.06	0.31 ±0.07	-0.05 ±0.01	-12.8%
	223203	USM0023203	0.39 ±0.03	0.37 ±0.04	-0.02 ±0.01	-4.6%
	223204	USM0023204	0.37 ±0.07	0.30 ±0.07	-0.07 ±0.01	-18.9%
	223205	USM0023205	1.78 ±0.19	1.64 ±0.19	-0.14 ±0.02	-7.9%
	223206	USM0023206	0.30 ±0.03	0.28 ±0.04	-0.02 ±0.01	-7.9%
	223207	USM0023207	1.02 ±0.05	0.98 ±0.06	-0.04 ±0.01	-4.2%
	223301	USM0023301	0.77 ±0.05	0.71 ±0.05	-0.06 ±0.01	-7.7%
Challenger	223302	USM0023302	3.36 ±0.17	3.31 ±0.22	-0.05 ±0.01	-1.5%
	223303	USM0023303	0.35 ±0.05	0.33 ±0.06	-0.02 ±0.01	-6.9%
	223304	USM0023304	0.37 ±0.05	0.27 ±0.04	-0.10 ±0.02	-27.5%
	223305	USM0023305	0.05 ±0.02	0.03 ±0.01	-0.01 ±0.01	-30.6%
	223401	USM0023401	0.12 ±0.03	0.11 ±0.03	-0.01 ±0.01	-12.3%
	223402	USM0023402	0.06 ±0.02	0.05 ±0.02	-0.01 ±0.00	-13.8%
	223403	USM0023403	0.06 ±0.01	0.06 ±0.01	-0.00 ±0.00	-3.5%
	223404	USM0023404	0.06 ±0.02	0.06 ±0.02	-0.01 ±0.00	-12.7%
	223405	USM0023405	0.15 ±0.03	0.13 ±0.03	-0.01 ±0.01	-8.8%
	223406	USM0023406	0.14 ±0.04	0.13 ±0.05	-0.00 ±0.00	-2.9%
	223407	USM0023407	0.55 ±0.04	0.49 ±0.05	-0.06 ±0.01	-11.1%
	223408	USM0023408	0.10 ±0.02	0.09 ±0.03	-0.01 ±0.01	-15.0%
	223501	USM0023501	0.05 ±0.01	0.05 ±0.01	-0.00 ±0.00	-3.8%
	223502	USM0023502	0.52 ±0.06	0.43 ±0.06	-0.09 ±0.02	-17.8%
	223503	USM0023503	0.23 ±0.03	0.20 ±0.03	-0.03 ±0.01	-13.7%
	223504	USM0023504	0.35 ±0.06	0.30 ±0.06	-0.05 ±0.01	-14.4%
	223601	USM0023601	0.07 ±0.02	0.06 ±0.02	-0.00 ±0.00	-4.6%

Table A6 continued - Glacier catalog (Area and area change)

Glacier Name	ID Code		Area (km ²)		Area Change	
	Post	WGMS	1958	1998	(km ²)	% 1958
	223602	USM0023602	0.11 ± 0.03	0.10 ± 0.04	-0.01 ± 0.00	-5.5%
	223603	USM0023603	0.30 ± 0.05	0.24 ± 0.05	-0.05 ± 0.01	-17.6%
	223604	USM0023604	0.15 ± 0.04	0.12 ± 0.04	-0.03 ± 0.01	-22.8%
	223605	USM0023605	0.07 ± 0.02	0.06 ± 0.02	-0.00 ± 0.00	-5.9%
Silver Creek	223606	USM0023606	0.84 ± 0.08	0.67 ± 0.08	-0.17 ± 0.02	-20.3%
	223607	USM0023607	0.20 ± 0.04	0.17 ± 0.04	-0.03 ± 0.01	-12.7%
	223608	USM0023608	0.41 ± 0.06	0.41 ± 0.07	0.00 ± 0.00	0.0%
	223609	USM0023609	0.12 ± 0.02	0.12 ± 0.02	-0.00 ± 0.00	-1.6%
	223610	USM0023610	0.81 ± 0.06	0.80 ± 0.06	-0.00 ± 0.00	-0.1%
	223611	USM0023611	0.31 ± 0.05	0.30 ± 0.05	-0.01 ± 0.00	-2.3%
	223612	USM0023612	0.20 ± 0.04	0.17 ± 0.03	-0.03 ± 0.01	-16.0%
	223701	USM0023701	0.15 ± 0.03	0.14 ± 0.04	-0.00 ± 0.00	-2.7%
	223702	USM0023702	0.56 ± 0.07	0.51 ± 0.07	-0.05 ± 0.01	-8.6%
	223703	USM0023703	0.11 ± 0.02	0.10 ± 0.02	-0.01 ± 0.01	-11.9%
Masachie	224701	USM0024701	0.57 ± 0.06	0.56 ± 0.07	-0.01 ± 0.00	-1.9%
	224702	USM0024702	0.22 ± 0.03	0.22 ± 0.03	-0.01 ± 0.00	-2.2%
Katsuk	224703	USM0024703	0.78 ± 0.06	0.78 ± 0.07	-0.00 ± 0.00	-0.5%
	224704	USM0024704	0.16 ± 0.03	0.13 ± 0.03	-0.03 ± 0.01	-17.6%
	224705	USM0024705	0.09 ± 0.02	0.09 ± 0.02	-0.01 ± 0.00	-6.5%
Kimtah	224706	USM0024706	0.84 ± 0.09	0.71 ± 0.09	-0.13 ± 0.02	-15.2%
	224707	USM0024707	0.07 ± 0.02	0.07 ± 0.02	0.00 ± 0.00	0.0%
	224708	USM0024708	0.14 ± 0.04	0.12 ± 0.04	-0.01 ± 0.01	-10.9%
	224709	USM0024709	0.04 ± 0.01	0.03 ± 0.01	-0.00 ± 0.00	-10.5%
	224710	USM0024710	0.06 ± 0.01	0.05 ± 0.02	-0.01 ± 0.00	-12.5%
	224711	USM0024711	0.08 ± 0.02	0.05 ± 0.02	-0.03 ± 0.01	-41.0%
	224712	USM0024712	0.13 ± 0.03	0.08 ± 0.03	-0.05 ± 0.01	-36.2%
	224713	USM0024713	0.05 ± 0.02	0.04 ± 0.02	-0.01 ± 0.00	-12.8%
	224714	USM0024714	0.11 ± 0.03	0.10 ± 0.03	-0.00 ± 0.00	-3.7%
	224801	USM0024801	0.16 ± 0.05	0.16 ± 0.05	0.00 ± 0.00	0.0%
	225101	USM0025101	0.08 ± 0.02	0.07 ± 0.02	-0.01 ± 0.00	-8.8%
	225102	USM0025102	0.05 ± 0.01	0.05 ± 0.01	0.00 ± 0.00	0.0%
	225103	USM0025103	0.03 ± 0.01	0.03 ± 0.01	0.00 ± 0.00	0.0%
	225104	USM0025104	0.03 ± 0.01	0.02 ± 0.01	-0.00 ± 0.00	-11.5%
	225105	USM0025105	0.17 ± 0.02	0.17 ± 0.03	-0.01 ± 0.00	-2.9%
	225106	USM0025106	0.10 ± 0.03	0.10 ± 0.03	-0.01 ± 0.00	-8.6%
	225107	USM0025107	0.18 ± 0.03	0.17 ± 0.03	-0.01 ± 0.01	-7.1%
Douglas	225108	USM0025108	0.46 ± 0.05	0.45 ± 0.06	-0.01 ± 0.01	-3.0%
Douglas	225109	USM0025109	0.96 ± 0.08	0.91 ± 0.09	-0.05 ± 0.01	-5.2%
	225110	USM0025110	0.20 ± 0.03	0.18 ± 0.04	-0.02 ± 0.01	-10.9%
	225111	USM0025111	0.19 ± 0.04	0.18 ± 0.05	-0.01 ± 0.00	-5.7%
	225112	USM0025112	0.07 ± 0.02	0.06 ± 0.02	-0.00 ± 0.00	-4.6%
	225113	USM0025113	0.21 ± 0.04	0.19 ± 0.04	-0.02 ± 0.01	-9.6%
Banded	225114	USM0025114	0.76 ± 0.06	0.67 ± 0.07	-0.09 ± 0.02	-12.2%

Table A6 continued - Glacier catalog (Area and area change)

Glacier Name	ID Code		Area (km ²)		Area Change	
	Post	WGMS	1958	1998	(km ²)	% 1958
Fremont	225115	USM0025115	0.95 ± 0.11	0.91 ± 0.11	-0.04 ± 0.01	-4.0%
	225201	USM0025201	0.10 ± 0.02	0.08 ± 0.02	-0.02 ± 0.01	-19.0%
	225202	USM0025202	0.07 ± 0.02	0.07 ± 0.02	0.00 ± 0.00	0.0%
	225203	USM0025203	0.24 ± 0.04	0.23 ± 0.05	-0.01 ± 0.00	-2.5%
Thunder	225204	USM0025204	0.16 ± 0.02	0.16 ± 0.02	0.00 ± 0.00	0.0%
Boston	225205	USM0025205	6.83 ± 0.20	6.53 ± 0.29	-0.29 ± 0.03	-4.3%
	225301	USM0025301	0.11 ± 0.02	0.08 ± 0.01	-0.04 ± 0.01	-31.9%
	225302	USM0025302	0.14 ± 0.02	0.14 ± 0.02	0.00 ± 0.00	0.0%
Forbidden	225303	USM0025303	1.78 ± 0.21	1.66 ± 0.20	-0.12 ± 0.02	-6.8%
	225304	USM0025304	0.15 ± 0.02	0.16 ± 0.02	0.00 ± 0.00	2.6%
	225305	USM0025305	0.10 ± 0.02	0.11 ± 0.02	0.00 ± 0.00	3.9%
Inspiration	225306	USM0025306	4.55 ± 0.18	4.56 ± 0.24	0.01 ± 0.00	0.2%
	225307	USM0025307	0.55 ± 0.06	0.54 ± 0.06	-0.01 ± 0.01	-2.4%
	225308	USM0025308	0.13 ± 0.03	0.12 ± 0.04	-0.01 ± 0.00	-8.5%
Klawatti	225309	USM0025309	2.22 ± 0.10	2.11 ± 0.13	-0.11 ± 0.02	-4.9%
North Klawatti	225310	USM0025310	1.76 ± 0.12	1.69 ± 0.13	-0.08 ± 0.01	-4.3%
	225401	USM0025401	0.23 ± 0.05	0.22 ± 0.05	-0.01 ± 0.00	-2.7%
	225402	USM0025402	0.29 ± 0.07	0.29 ± 0.07	0.00 ± 0.00	0.0%
	225403	USM0025403	0.15 ± 0.03	0.15 ± 0.03	0.00 ± 0.00	0.0%
Borealis	225501	USM0025501	1.23 ± 0.10	1.10 ± 0.11	-0.12 ± 0.02	-10.2%
	225502	USM0025502	0.07 ± 0.02	0.07 ± 0.02	0.00 ± 0.00	0.0%
	225503	USM0025503	0.05 ± 0.01	0.05 ± 0.01	0.00 ± 0.00	0.0%
	225504	USM0025504	0.40 ± 0.06	0.40 ± 0.06	-0.01 ± 0.00	-1.5%
	225505	USM0025505	0.20 ± 0.03	0.19 ± 0.03	-0.01 ± 0.00	-3.6%
	225506	USM0025506	0.20 ± 0.04	0.12 ± 0.03	-0.08 ± 0.01	-38.4%
	225507	USM0025507	0.07 ± 0.01	0.05 ± 0.02	-0.01 ± 0.01	-18.5%
	225508	USM0025508	0.14 ± 0.03	0.10 ± 0.04	-0.04 ± 0.01	-30.0%
McAllistar	225509	USM0025509	5.04 ± 0.25	5.00 ± 0.29	-0.05 ± 0.01	-0.9%
	225510	USM0025510	0.30 ± 0.04	0.30 ± 0.04	0.00 ± 0.00	0.0%
	225511	USM0025511	0.10 ± 0.03	0.10 ± 0.03	0.00 ± 0.00	0.0%
	225512	USM0025512	0.88 ± 0.08	0.85 ± 0.09	-0.03 ± 0.01	-3.3%
	225513	USM0025513	0.12 ± 0.02	0.12 ± 0.02	-0.01 ± 0.00	-7.3%
	225514	USM0025514	0.22 ± 0.06	0.21 ± 0.06	-0.01 ± 0.00	-3.2%
	225601	USM0025601	0.21 ± 0.04	0.21 ± 0.04	0.00 ± 0.00	0.0%
Neve	225602	USM0025602	3.99 ± 0.14	3.81 ± 0.23	-0.17 ± 0.02	-4.3%
Colonial	225701	USM0025701	1.09 ± 0.10	1.06 ± 0.11	-0.02 ± 0.01	-2.2%
	225702	USM0025702	0.21 ± 0.04	0.20 ± 0.04	-0.01 ± 0.01	-6.7%
	226101	USM0026101	0.02 ± 0.01	0.02 ± 0.01	0.00 ± 0.00	0.0%
	226102	USM0026102	0.13 ± 0.03	0.13 ± 0.03	0.00 ± 0.00	0.0%
	226103	USM0026103	0.73 ± 0.09	0.72 ± 0.10	-0.01 ± 0.00	-1.1%
	226104	USM0026104	0.12 ± 0.02	0.12 ± 0.02	-0.00 ± 0.00	-1.7%
	226105	USM0026105	0.42 ± 0.04	0.40 ± 0.06	-0.03 ± 0.01	-6.0%
	226106	USM0026106	0.20 ± 0.05	0.16 ± 0.06	-0.04 ± 0.01	-18.9%

Table A6 continued - Glacier catalog (Area and area change)

Glacier Name	ID Code		Area (km ²)		Area Change	
	Post	WGMS	1958	1998	(km ²)	% 1958
	226107	USM0026107	0.10 ± 0.03	0.10 ± 0.03	-0.01 ± 0.00	-4.8%
	226108	USM0026108	0.30 ± 0.04	0.30 ± 0.05	-0.00 ± 0.00	-1.0%
	226109	USM0026109	0.27 ± 0.05	0.25 ± 0.07	-0.02 ± 0.01	-7.7%
	226110	USM0026110	0.41 ± 0.04	0.40 ± 0.04	-0.01 ± 0.00	-2.7%
	226201	USM0026201	0.09 ± 0.03	0.09 ± 0.03	0.00 ± 0.00	0.0%
	226202	USM0026202	0.08 ± 0.03	0.08 ± 0.03	0.00 ± 0.00	0.0%
	226203	USM0026203	1.97 ± 0.14	1.89 ± 0.13	-0.08 ± 0.01	-4.2%
	226204	USM0026204	0.03 ± 0.01	0.00 ± 0.00	-0.03 ± 0.01	-100.0%
	226205	USM0026205	0.06 ± 0.01	0.04 ± 0.01	-0.03 ± 0.01	-42.6%
	226206	USM0026206	0.07 ± 0.01	0.04 ± 0.01	-0.03 ± 0.01	-40.0%
	226207	USM0026207	0.32 ± 0.05	0.32 ± 0.05	0.00 ± 0.00	0.0%
	226208	USM0026208	0.15 ± 0.03	0.14 ± 0.03	-0.00 ± 0.00	-2.0%
Quien Sabe	226209	USM0026209	0.68 ± 0.07	0.66 ± 0.07	-0.03 ± 0.01	-4.2%
	226210	USM0026210	0.06 ± 0.02	0.05 ± 0.02	-0.01 ± 0.00	-9.1%
	226211	USM0026211	0.06 ± 0.02	0.05 ± 0.02	-0.01 ± 0.00	-11.7%
	226212	USM0026212	0.14 ± 0.05	0.12 ± 0.05	-0.02 ± 0.01	-11.3%
	226213	USM0026213	0.27 ± 0.06	0.24 ± 0.07	-0.02 ± 0.01	-8.9%
	244601	USM0044601	0.03 ± 0.01	0.03 ± 0.01	0.00 ± 0.00	0.0%
	244602	USM0044602	0.09 ± 0.03	0.09 ± 0.03	0.00 ± 0.00	0.0%
	244603	USM0044603	0.28 ± 0.05	0.27 ± 0.06	-0.01 ± 0.00	-3.3%
	244604	USM0044604	0.13 ± 0.02	0.13 ± 0.02	0.00 ± 0.00	0.0%
	244605	USM0044605	0.08 ± 0.02	0.07 ± 0.02	-0.01 ± 0.00	-11.0%
	244606	USM0044606	0.06 ± 0.02	0.06 ± 0.02	0.00 ± 0.00	0.0%
	244607	USM0044607	0.18 ± 0.04	0.16 ± 0.03	-0.02 ± 0.01	-11.9%
	244608	USM0044608	0.07 ± 0.02	0.07 ± 0.02	0.00 ± 0.00	0.0%
	244609	USM0044609	0.29 ± 0.04	0.28 ± 0.04	-0.02 ± 0.01	-5.8%
Sahale	244610	USM0044610	0.16 ± 0.02	0.15 ± 0.03	-0.00 ± 0.00	-0.6%
Davenport	244611	USM0044611	0.26 ± 0.04	0.26 ± 0.04	0.00 ± 0.00	0.0%
	244612	USM0044612	0.04 ± 0.01	0.03 ± 0.01	-0.01 ± 0.00	-21.1%
	244613	USM0044613	0.14 ± 0.02	0.13 ± 0.03	-0.00 ± 0.00	-0.7%
	244614	USM0044614	0.11 ± 0.02	0.07 ± 0.02	-0.03 ± 0.01	-31.5%
	244615	USM0044615	0.05 ± 0.01	0.05 ± 0.01	0.00 ± 0.00	0.0%
	244616	USM0044616	0.06 ± 0.01	0.06 ± 0.01	0.00 ± 0.00	0.0%
	244617	USM0044617	0.07 ± 0.01	0.07 ± 0.01	0.00 ± 0.00	0.0%
	244618	USM0044618	0.02 ± 0.01	0.02 ± 0.01	0.00 ± 0.00	0.0%
	244619	USM0044619	0.04 ± 0.01	0.04 ± 0.01	0.00 ± 0.00	0.0%
Buckner	244620	USM0044620	0.32 ± 0.06	0.31 ± 0.06	-0.01 ± 0.00	-2.2%
Buckner	244621	USM0044621	0.33 ± 0.04	0.32 ± 0.05	-0.01 ± 0.00	-2.5%
Buckner	244622	USM0044622	0.28 ± 0.04	0.27 ± 0.05	-0.00 ± 0.00	-0.4%
	244623	USM0044623	0.10 ± 0.02	0.10 ± 0.02	0.00 ± 0.00	0.0%
	244624	USM0044624	0.02 ± 0.01	0.02 ± 0.01	-0.01 ± 0.00	-29.2%
	244625	USM0044625	0.04 ± 0.01	0.02 ± 0.01	-0.01 ± 0.01	-40.5%
	244701	USM0044701	0.03 ± 0.01	0.03 ± 0.01	-0.00 ± 0.00	-5.9%

Table A6 continued - Glacier catalog (Area and area change)

Glacier Name	ID Code		Area (km ²)		Area Change	
	Post	WGMS	1958	1998	(km ²)	% 1958
Goode	244702	USM0044702	0.07 ± 0.02	0.08 ± 0.02	0.00 ± 0.00	5.4%
	244703	USM0044703	0.65 ± 0.07	0.56 ± 0.07	-0.08 ± 0.01	-12.7%
	244704	USM0044704	0.21 ± 0.03	0.20 ± 0.03	-0.02 ± 0.01	-7.5%
	244705	USM0044705	0.05 ± 0.01	0.04 ± 0.01	-0.01 ± 0.00	-13.0%
	244706	USM0044706	0.02 ± 0.01	0.02 ± 0.01	0.00 ± 0.00	0.0%
Wyeth	244707	USM0044707	0.07 ± 0.02	0.07 ± 0.02	0.00 ± 0.00	0.0%
	244708	USM0044708	0.86 ± 0.10	0.84 ± 0.12	-0.02 ± 0.01	-2.4%
	244709	USM0044709	0.14 ± 0.02	0.11 ± 0.02	-0.03 ± 0.01	-20.0%
	244710	USM0044710	0.32 ± 0.06	0.32 ± 0.06	-0.00 ± 0.00	-0.6%
	244711	USM0044711	0.05 ± 0.02	0.05 ± 0.02	-0.01 ± 0.00	-14.8%
	244712	USM0044712	0.26 ± 0.04	0.26 ± 0.05	-0.01 ± 0.00	-2.3%
	244713	USM0044713	0.09 ± 0.03	0.07 ± 0.02	-0.01 ± 0.01	-13.8%
Sandalee	244714	USM0044714	0.12 ± 0.02	0.12 ± 0.02	0.00 ± 0.00	0.0%
	244805	USM0044805	0.16 ± 0.03	0.13 ± 0.03	-0.03 ± 0.01	-18.1%
	244806	USM0044806	0.06 ± 0.02	0.04 ± 0.02	-0.02 ± 0.01	-33.9%
	244807	USM0044807	0.12 ± 0.02	0.10 ± 0.02	-0.01 ± 0.01	-9.5%
	244808	USM0044808	0.24 ± 0.03	0.22 ± 0.03	-0.02 ± 0.01	-9.2%
	244809	USM0044809	0.11 ± 0.02	0.10 ± 0.03	-0.01 ± 0.00	-6.3%
	244810	USM0044810	0.17 ± 0.02	0.13 ± 0.02	-0.04 ± 0.01	-22.4%
	244811	USM0044811	0.10 ± 0.02	0.07 ± 0.03	-0.03 ± 0.01	-26.0%

Table A7 - Glacier catalog (1958 characteristics) - Location is in UTM zone 10.

Glacier Name	ID Code		Location		Elevation (m)	Slope (degrees)	Orientation (degrees)
	Post	WGMS	UTME	UTMN			
	211301	USM0011301	608943	5423924	1986	26	45
	211401	USM0011401	613146	5420924	1964	29	0
	211402	USM0011402	612845	5421299	1944	33	45
	211403	USM0011403	612470	5422124	1999	38	45
	211404	USM0011404	612320	5422349	1977	30	60
	211405	USM0011405	612470	5422949	1931	33	30
	211406	USM0011406	611945	5423099	1994	32	45
	211407	USM0011407	612545	5427450	1992	30	15
	211408	USM0011408	612095	5427751	2051	38	30
	211409	USM0011409	611720	5428051	2174	25	45
	211410	USM0011410	611419	5428051	2129	39	330
	211411	USM0011411	611644	5427601	2064	23	150
	211412	USM0011412	610894	5427601	2014	29	15
	211413	USM0011413	610519	5427751	2012	34	45
	211414	USM0011414	610294	5424900	1857	30	60
	211415	USM0011415	609468	5425425	1903	47	15
	211416	USM0011416	608192	5425725	2032	28	330
	211501	USM0011501	627781	5427150	2360	21	285
	211502	USM0011502	627480	5426325	2202	22	90
	211503	USM0011503	627856	5426025	2383	31	45
	211504	USM0011504	628306	5425125	2284	32	300
	211505	USM0011505	627931	5424600	2085	31	270
Redoubt	211506	USM0011506	626580	5423849	2190	19	345
	211507	USM0011507	625304	5424450	2106	29	15
	211508	USM0011508	624328	5424825	2137	33	45
	211509	USM0011509	623503	5424900	2170	35	0
	211510	USM0011510	622602	5425350	1979	34	0
	211601	USM0011601	624103	5423549	2311	28	255
	211602	USM0011602	624628	5423249	2229	23	225
	211603	USM0011603	622902	5420999	1880	37	345
	211604	USM0011604	621851	5421074	1958	62	0
	211701	USM0011701	620125	5416347	1992	31	15
	211702	USM0011702	619900	5416572	1994	46	0
	211801	USM0011801	618924	5413046	1900	35	330
	211802	USM0011802	618249	5412971	1762	27	0
	211803	USM0011803	617724	5412971	1754	32	0
	211804	USM0011804	616673	5413121	1736	29	345
	211901	USM0011901	613146	5412671	1968	26	45
	211902	USM0011902	612995	5413121	1882	30	45
	211905	USM0011905	608192	5413346	1872	21	45
	212301	USM0012301	607442	5412521	1977	34	225
	212302	USM0012302	607592	5410570	1857	24	285
Icy Peak	212303	USM0012303	607291	5409295	1754	31	285

Table A7 continued - Glacier catalog (1958 characteristics)

Glacier Name	ID Code		Location		Elevation (m)	Slope (degrees)	Orientation (degrees)
	Post	WGMS	UTME	UTMN			
Nooksak	212304	USM0012304	605115	5409445	1847	33	0
West Nooksak	212305	USM0012305	604665	5410795	1854	32	60
Price	212306	USM0012306	603464	5410795	1846	34	0
Hanging	212307	USM0012307	602788	5410720	2140	40	0
	212401	USM0012401	602638	5410120	2156	38	300
	212402	USM0012402	601137	5409895	1738	27	345
White Salmon	212403	USM0012403	600462	5409970	1773	30	0
Curtis	221204	USM0021204	601062	5408845	1877	30	255
	221205	USM0021205	601362	5407945	1967	30	285
	221206	USM0021206	601663	5407570	2148	35	255
Sulfide	221301	USM0021301	602788	5407494	2083	20	120
Crystal	221302	USM0021302	603689	5408245	2126	22	165
	221303	USM0021303	605190	5407720	1781	31	120
	221304	USM0021304	605941	5408095	1917	32	165
	221401	USM0021401	607141	5408395	1800	45	60
	221402	USM0021402	608117	5409820	1873	28	210
Spillway	221403	USM0021403	608117	5410946	1863	31	30
	221404	USM0021404	607742	5411546	1749	20	210
	221405	USM0021405	607892	5412821	1998	31	90
	221406	USM0021406	609393	5412671	1720	30	210
	221501	USM0021501	613146	5411246	1599	38	60
	221502	USM0021502	613296	5412446	1893	31	90
	221503	USM0021503	619975	5410495	1777	46	315
	221504	USM0021504	619150	5410420	1375	29	345
	221601	USM0021601	620426	5410195	2146	27	225
	221602	USM0021602	620651	5410120	2184	25	225
	221603	USM0021603	621176	5409820	2102	26	210
	221604	USM0021604	621401	5408620	1957	33	255
	221605	USM0021605	620876	5406594	1766	41	345
	221606	USM0021606	618924	5405394	1916	27	60
	221701	USM0021701	617874	5405619	1975	27	315
	221702	USM0021702	618549	5400817	1696	27	0
	221703	USM0021703	617874	5400968	1549	21	15
	221704	USM0021704	616298	5400667	1759	29	345
	221705	USM0021705	615247	5399392	1857	27	345
	221706	USM0021706	615097	5399767	1585	28	45
	221707	USM0021707	614271	5398792	1416	20	0
	221708	USM0021708	612995	5399092	1835	36	45
	221709	USM0021709	612620	5399317	1648	27	0
	221710	USM0021710	611720	5399317	2026	23	45
	221711	USM0021711	612545	5399917	1478	24	60
	221712	USM0021712	611870	5400142	1971	28	120
	221713	USM0021713	612320	5400592	1721	30	120

Table A7 continued - Glacier catalog (1958 characteristics)

Glacier Name	ID Code		Location		Elevation (m)	Slope (degrees)	Orientation (degrees)
	Post	WGMS	UTME	UTMN			
	221714	USM0021714	612245	5401418	2001	23	90
	221801	USM0021801	613521	5402918	1862	21	345
	221802	USM0021802	612545	5402093	1955	31	330
	221803	USM0021803	612095	5401943	1818	40	300
	221804	USM0021804	611720	5401643	1975	37	345
	221805	USM0021805	611119	5401643	1944	27	0
	221806	USM0021806	611269	5399992	1847	30	0
	221807	USM0021807	611419	5399692	2009	25	240
	221808	USM0021808	611344	5399167	1961	16	315
	221809	USM0021809	610444	5398042	1922	24	330
Noisy Creek	221901	USM0021901	608492	5391965	1865	18	345
	221902	USM0021902	609018	5391140	2016	38	255
	221903	USM0021903	605866	5389864	1691	38	0
	222101	USM0022101	610068	5390914	1942	17	135
	222102	USM0022102	610669	5390539	1621	12	255
	222103	USM0022103	611194	5389114	1706	23	330
	222201	USM0022201	611870	5389189	1839	36	90
	222202	USM0022202	611644	5389714	1823	31	45
	222203	USM0022203	611194	5390689	1737	23	45
	222204	USM0022204	611119	5391140	1824	18	210
	222205	USM0022205	610744	5392040	1838	15	0
	222206	USM0022206	609768	5391890	1922	18	30
	222207	USM0022207	609168	5392490	1912	21	285
	222208	USM0022208	611720	5398567	1870	24	30
	222209	USM0022209	615847	5399767	1872	20	120
	222210	USM0022210	618849	5399767	1683	43	270
	222301	USM0022301	621476	5395566	1739	33	75
	222302	USM0022302	621176	5396541	1605	37	345
	222303	USM0022303	620125	5396541	1648	37	30
	222304	USM0022304	620501	5399392	1533	53	15
	222305	USM0022305	619675	5399617	1926	41	90
	222306	USM0022306	619675	5400292	1874	31	30
	222307	USM0022307	620125	5400367	1579	45	30
	222308	USM0022308	619075	5400817	1614	32	0
	222309	USM0022309	619525	5404719	1961	27	30
	222310	USM0022310	620726	5405544	1592	24	195
	222311	USM0022311	621551	5406069	1795	42	75
	222312	USM0022312	623202	5407044	1779	37	120
	222313	USM0022313	624929	5403293	2049	28	225
	222314	USM0022314	625829	5402618	2044	25	120
	222315	USM0022315	626805	5403218	2030	28	150
	222316	USM0022316	626880	5402543	1733	21	120
	222401	USM0022401	632809	5399167	1396	34	45

Table A7 continued - Glacier catalog (1958 characteristics)

Glacier Name	ID Code		Location		Elevation (m)	Slope (degrees)	Orientation (degrees)
	Post	WGMS	UTME	UTMN			
	222402	USM0022402	631758	5399092	1911	32	0
	222403	USM0022403	628531	5399017	1656	48	15
	222404	USM0022404	628606	5401193	1961	26	120
	222405	USM0022405	628831	5402018	1599	38	30
	222406	USM0022406	628456	5402243	1693	45	45
	222407	USM0022407	627705	5402318	1924	39	45
	222408	USM0022408	627480	5403293	1862	39	105
Ladder Creek	222501	USM0022501	636261	5390389	1922	27	345
	222502	USM0022502	635136	5389639	2026	30	0
	222601	USM0022601	633710	5381987	2051	26	315
	222602	USM0022602	631158	5380786	1752	41	0
	222603	USM0022603	627856	5382362	1995	30	90
	222701	USM0022701	627405	5381612	1951	27	330
	223101	USM0023101	626129	5403818	1867	47	0
	223102	USM0023102	624178	5404419	1866	41	45
	223103	USM0023103	624553	5406369	2125	32	120
	223104	USM0023104	625154	5406819	1965	45	15
	223105	USM0023105	624628	5407344	2214	32	120
	223201	USM0023201	626805	5410270	2024	56	0
	223202	USM0023202	625679	5408470	1906	39	315
	223203	USM0023203	624778	5408320	2006	33	0
	223204	USM0023204	624103	5408170	2179	46	0
	223205	USM0023205	622302	5409295	1796	36	45
	223206	USM0023206	622377	5410720	2161	30	105
	223207	USM0023207	622827	5411621	2049	16	105
	223301	USM0023301	623353	5412821	2105	20	0
Challenger	223302	USM0023302	620951	5411396	2065	22	345
	223303	USM0023303	619600	5412371	2080	27	135
	223304	USM0023304	619900	5413346	1863	38	45
	223305	USM0023305	624553	5420098	2028	14	75
	223401	USM0023401	626129	5419273	2073	41	30
	223402	USM0023402	625829	5419423	2111	41	45
	223403	USM0023403	625604	5419798	2005	42	30
	223404	USM0023404	625229	5420098	2083	48	60
	223405	USM0023405	625004	5420623	2054	38	45
	223406	USM0023406	624553	5420999	2113	34	45
	223407	USM0023407	625154	5423399	2306	22	120
	223408	USM0023408	627180	5422724	2222	28	285
	223501	USM0023501	628981	5422274	1735	40	45
	223502	USM0023502	628006	5422349	2155	34	0
	223503	USM0023503	627856	5423249	2132	36	45
	223504	USM0023504	628981	5424900	2358	30	120
	223601	USM0023601	630482	5424825	1770	53	30

Table A7 continued - Glacier catalog (1958 characteristics)

Glacier Name	ID Code		Location		Elevation (m)	Slope (degrees)	Orientation (degrees)
	Post	WGMS	UTME	UTMN			
	223602	USM0023602	629957	5424900	1919	36	30
	223603	USM0023603	629282	5425200	2278	36	75
	223604	USM0023604	629657	5426100	2145	38	75
	223605	USM0023605	629432	5426625	2382	33	315
Silver Creek	223606	USM0023606	628756	5426175	2298	25	315
	223607	USM0023607	628531	5427450	2346	25	105
	223608	USM0023608	630332	5428726	1967	38	0
	223609	USM0023609	629657	5429026	2457	38	15
	223610	USM0023610	628756	5428726	2257	27	345
	223611	USM0023611	628156	5427901	2295	34	330
	223612	USM0023612	627630	5427901	2208	39	345
	223701	USM0023701	636637	5412371	1661	32	45
	223702	USM0023702	635361	5412296	2074	31	30
	223703	USM0023703	634610	5412746	1765	33	0
Masachie	224701	USM0024701	657351	5383037	2189	31	345
	224702	USM0024702	656225	5383037	2167	33	345
Katsuk	224703	USM0024703	655249	5383037	2221	26	0
	224704	USM0024704	655024	5383487	2087	35	45
	224705	USM0024705	654499	5383787	2136	38	0
Kimtah	224706	USM0024706	653673	5383862	2271	31	45
	224707	USM0024707	652097	5383937	1947	31	345
	224708	USM0024708	649170	5384313	2131	32	45
	224709	USM0024709	648795	5384688	2176	30	45
	224710	USM0024710	648420	5385213	2148	26	30
	224711	USM0024711	648270	5385513	2130	29	45
	224712	USM0024712	647519	5386263	2134	38	0
	224713	USM0024713	650221	5390689	2053	44	345
	224714	USM0024714	650821	5390314	2113	44	30
	224801	USM0024801	644517	5394966	2138	29	30
	225101	USM0025101	660578	5379286	2233	39	345
	225102	USM0025102	660278	5379736	1920	24	330
	225103	USM0025103	659677	5379961	1935	49	15
	225104	USM0025104	659377	5379661	2226	35	15
	225105	USM0025105	658852	5379586	2259	37	330
	225106	USM0025106	657351	5377711	2096	40	0
	225107	USM0025107	654349	5376585	2243	27	0
Douglas	225108	USM0025108	653148	5376885	2121	24	0
Douglas	225109	USM0025109	652022	5377635	2236	25	60
	225110	USM0025110	652247	5378686	2159	33	75
	225111	USM0025111	651947	5379436	2007	27	345
	225112	USM0025112	651497	5379136	2242	39	15
	225113	USM0025113	650971	5379511	2196	31	15
Banded	225114	USM0025114	651272	5378386	2322	22	315

Table A7 continued - Glacier catalog (1958 characteristics)

Glacier Name	ID Code		Location		Elevation (m)	Slope (degrees)	Orientation (degrees)
	Post	WGMS	UTME	UTMN			
Fremont	225115	USM0025115	650821	5377260	2444	19	255
	225201	USM0025201	651197	5375535	2284	18	270
	225202	USM0025202	651122	5374109	2051	29	300
	225203	USM0025203	648795	5374034	1903	37	30
Thunder	225204	USM0025204	648195	5374335	2095	32	30
Boston	225205	USM0025205	646018	5374560	2166	23	15
	225301	USM0025301	644517	5376735	2258	35	330
	225302	USM0025302	644067	5376360	2293	29	330
Forbidden	225303	USM0025303	642791	5375460	2131	31	345
	225304	USM0025304	641140	5375460	2033	26	330
	225305	USM0025305	640614	5375685	2031	38	15
Inspiration	225306	USM0025306	639113	5377485	2190	21	75
	225307	USM0025307	640389	5378686	2227	24	210
	225308	USM0025308	640840	5378386	2091	24	120
Klawatti	225309	USM0025309	640614	5379811	2227	24	45
North Klawatti	225310	USM0025310	640764	5381462	2121	19	75
	225401	USM0025401	643241	5381012	2081	22	30
	225402	USM0025402	642491	5381612	2183	25	45
Borealis	225403	USM0025403	642190	5382587	2111	44	60
	225501	USM0025501	641215	5383112	2096	25	15
	225502	USM0025502	640915	5383937	2020	35	0
	225503	USM0025503	640314	5383412	2265	27	285
	225504	USM0025504	640089	5382812	2271	33	315
	225505	USM0025505	639113	5382437	2139	42	345
	225506	USM0025506	638213	5382737	1772	39	15
	225507	USM0025507	638738	5381987	2154	19	195
225508	USM0025508	638813	5381837	2193	27	210	
McAllistar	225509	USM0025509	639188	5380336	2092	24	315
	225510	USM0025510	636336	5380561	1939	31	0
	225511	USM0025511	636261	5380861	1856	37	0
	225512	USM0025512	635436	5381087	1950	29	30
	225513	USM0025513	634760	5381612	1847	25	15
	225514	USM0025514	634235	5381837	1914	32	30
	225601	USM0025601	639414	5388964	1911	44	30
Neve	225602	USM0025602	637387	5389414	2120	19	45
Colonial	225701	USM0025701	637237	5391365	1993	21	30
	225702	USM0025702	636487	5392190	2095	29	90
	226101	USM0026101	634985	5380711	2075	21	195
	226102	USM0026102	635736	5380411	2105	23	195
	226103	USM0026103	636712	5379586	2224	24	255
	226104	USM0026104	637087	5378836	2207	25	195
	226105	USM0026105	637537	5378236	2247	33	270
	226106	USM0026106	636937	5376585	1971	45	315

Table A7 continued - Glacier catalog (1958 characteristics)

Glacier Name	ID Code		Location		Elevation (m)	Slope (degrees)	Orientation (degrees)
	Post	WGMS	UTME	UTMN			
	226107	USM0026107	636937	5377410	1855	36	270
	226108	USM0026108	636186	5375910	1926	35	330
	226109	USM0026109	634685	5375385	1969	25	330
	226110	USM0026110	627630	5381012	1916	17	135
	226201	USM0026201	635736	5375235	2092	24	195
	226202	USM0026202	636411	5375535	2012	29	135
	226203	USM0026203	637912	5376435	2215	18	165
	226204	USM0026204	640840	5375160	2008	28	165
	226205	USM0026205	641515	5374935	2048	31	255
	226206	USM0026206	641815	5374635	2123	24	240
	226207	USM0026207	642491	5374410	2128	22	210
	226208	USM0026208	643241	5374485	2237	28	210
Quien Sabe	226209	USM0026209	644667	5372909	2334	28	270
	226210	USM0026210	642941	5369383	1882	50	0
	226211	USM0026211	642341	5369533	1964	56	15
	226212	USM0026212	641665	5369833	1763	53	30
	226213	USM0026213	640990	5369983	2213	41	0
	244601	USM0044601	647819	5372534	2436	44	225
	244602	USM0044602	649470	5366382	2013	40	330
	244603	USM0044603	645643	5366307	2132	31	15
	244604	USM0044604	645943	5366907	1634	23	45
	244605	USM0044605	646243	5367808	1575	40	105
	244606	USM0044606	645568	5367657	1984	37	120
	244607	USM0044607	645117	5367808	1880	37	0
	244608	USM0044608	644367	5368033	2049	37	0
	244609	USM0044609	643842	5368333	1998	31	0
Sahale	244610	USM0044610	644892	5372159	2359	22	165
Davenport	244611	USM0044611	645493	5372609	2246	26	120
	244612	USM0044612	647894	5371709	2251	39	315
	244613	USM0044613	648495	5371259	2297	19	165
	244614	USM0044614	648570	5370808	2159	18	165
	244615	USM0044615	649771	5370508	2285	30	210
	244616	USM0044616	650371	5370358	2170	42	30
	244617	USM0044617	650296	5370808	1938	46	15
	244618	USM0044618	649771	5371409	1833	51	15
	244619	USM0044619	649470	5371934	1597	38	30
Buckner	244620	USM0044620	648720	5371859	2035	33	15
Buckner	244621	USM0044621	648270	5372459	2283	32	120
Buckner	244622	USM0044622	648570	5373134	2207	37	120
	244623	USM0044623	653823	5372009	2305	35	270
	244624	USM0044624	654874	5370883	2132	23	45
	244625	USM0044625	654874	5370733	2233	40	15
	244701	USM0044701	656150	5371559	2123	41	30

Table A7 continued - Glacier catalog (1958 characteristics)

Glacier Name	ID Code		Location		Elevation (m)	Slope (degrees)	Orientation (degrees)	
	Post	WGMS	UTME	UTMN				
Goode	244702	USM0044702	655925	5371859	2191	29	60	
	244703	USM0044703	655174	5372384	2038	38	15	
	244704	USM0044704	654049	5372609	2236	39	0	
	244705	USM0044705	654049	5373359	1695	38	30	
	244706	USM0044706	653298	5373434	1983	43	15	
Wyeth	244707	USM0044707	653223	5372684	2385	34	135	
	244708	USM0044708	652322	5373284	2284	27	45	
	244709	USM0044709	651872	5374935	2063	35	45	
	244710	USM0044710	651572	5376360	2231	32	105	
	244711	USM0044711	661629	5377335	2380	35	315	
	244712	USM0044712	661254	5377110	2230	39	345	
	244713	USM0044713	663130	5374485	2254	28	300	
	244714	USM0044714	661254	5373284	2127	37	345	
	244805	USM0044805	664856	5363756	2136	34	15	
	Sandalee	244806	USM0044806	664406	5363981	2182	37	345
	Sandalee	244807	USM0044807	664105	5363906	2234	31	345
Sandalee	244808	USM0044808	663655	5364056	2192	27	345	
Sandalee	244809	USM0044809	663280	5363981	2310	31	30	
Sandalee	244810	USM0044810	663055	5364206	2288	27	30	
	244811	USM0044811	662604	5364507	2143	30	30	