

Appendix 2. Field Measurements of Glacial Striation Orientations in Yosemite National Park and Vicinity

Table 2.1. Field measurements of glacial striation orientations in Yosemite National Park and vicinity.

[Reported azimuths represent direction of glacial striations, interpreted as direction of ice flow; measurements were made by Clyde Wahrhaftig (CW), Greg M. Stock (GMS), and Reba G. McCracken (RGM). Locations mapped by CW on topographic maps have ± 50 m accuracy; locations mapped by GMS and RM using GPS have ± 5 m accuracy. Striation orientations measured with Brunton compass, corrected for local magnetic declination; striation locations reported in UTM NAD83 Zone 11S. Other abbreviations: amsl, above mean sea level; E, east; GPS, global positioning system; m, meter(s); N, north; UTM, Universal Transverse Mercator (coordinates)]

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Crown Point							
Barney Lake	286160	4224029	± 5	2,540	12	GMS	
Robinson Creek	285347	4222755	± 5	2,696	57	GMS	
Robinson Creek	284272	4222459	± 5	2,893	70	GMS	
Peeler Lake	283395	4222454	± 5	2,914	84	GMS	
Peeler Lake	283423	4222314	± 5	2,903	77	GMS	
Peeler Lake	283387	4222160	± 5	2,914	81	GMS	
Peeler Lake	283391	4221880	± 5	2,923	56	GMS	
Peeler Lake	283377	4221758	± 5	2,938	38	GMS	
Peeler Lake	283351	4221655	± 5	2,950	43	GMS	
Peeler Lake	283255	4221659	± 5	2,981	44	GMS	
West of Peeler Lake	283113	4221826	± 5	2,943	54	GMS	Difficult to confirm orientation; could be 180° opposite
West of Peeler Lake	283205	4222071	± 5	2,918	61	GMS	Difficult to confirm orientation; could be 180° opposite
West of Peeler Lake	283229	4222276	± 5	2,887	73	GMS	Difficult to confirm orientation; could be 180° opposite
East of Crown Point	285782	4221405	± 50	2,883	332	CW	
Southwest of Snow Lake	283497	4218899	± 50	3,020	306	CW	
Southwest of Snow Lake	283703	4219301	± 50	3,086	336	CW	
West of Snow Lake	284047	4219846	± 50	3,105	39	CW	
North of Snow Lake	284179	4219971	± 50	3,094	43	CW	
Upper part of Kerrick Meadow	282736	4222078	± 5	2,858	55	GMS	Difficult to confirm orientation; could be 180° opposite
Upper part of Kerrick Meadow	282421	4221820	± 5	2,860	41	GMS	Difficult to confirm orientation; could be 180° opposite
Upper part of Kerrick Meadow	282454	4221337	± 5	2,857	205	GMS	Difficult to confirm orientation; could be 180° opposite
Upper part of Kerrick Meadow	282441	4221067	± 5	2,851	193	GMS	Difficult to confirm orientation; could be 180° opposite
Lower part of Kerrick Meadow	280745	4218510	± 5	2,792	224	GMS	
West of Arndt Lake	279672	4216950	± 5	2,790	183	GMS	
Southwest of Arndt Lake	279527	4215625	± 5	2,779	216	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Rock Island Lake							
Southeast of Rock Island Lake	283434	4214439	±50	3,105	255	CW	
South of Rock Island Lake	282059	4214378	±50	3,032	223	CW	
South of Rock Island Lake	282193	4214626	±50	3,032	222	CW	
South of Rock Island Lake	282328	4214880	±50	3,053	232	CW	
South of Rock Island Lake	282304	4215004	±50	3,060	243	CW	
South of Rock Island Lake	282496	4215322	±50	3,032	203	CW	
Southwest of Rock Island Lake	282674	4216171	±50	3,040	197	CW	
Southwest of Rock Island Lake	282383	4216420	±50	3,050	224	CW	
Southwest of Rock Island Lake	282069	4216442	±50	3,125	232	CW	
Southwest of Rock Island Lake	281944	4216349	±50	3,106	232	CW	
West of Rock Island Lake	282151	4216599	±50	3,146	201	CW	
West of Rock Island Lake	282815	4216777	±50	3,008	201	CW	
West of Rock Island Lake	282901	4217190	±50	3,012	197	CW	
North of Rock Island Lake	283428	4217891	±50	3,010	207	CW	
North of Rock Island Lake	283370	4218449	±50	3,096	280	CW	
North of Rock Island Lake	283523	4218550	±50	3,088	272	CW	
North of Rock Island Lake	283600	4218642	±50	3,103	291	CW	
Benson Lake							
Seavey Pass	278389	4213621	±5	2,793	195	GMS	
Seavey Pass	278453	4213634	±5	2,792	199	GMS	
Seavey Pass	278278	4213179	±5	2,741	177	GMS	
Seavey Pass	277973	4212752	±5	2,695	162	GMS	
South of Seavey Pass	277999	4212228	±5	2,526	146	GMS	
South of Seavey Pass	278111	4212159	±5	2,488	160	GMS	
Benson Lake	278501	4210778	±5	2,326	234	GMS	
Southeast of Benson Lake	278926	4211035	±5	2,341	229	GMS	
Southeast of Benson Lake	279281	4210753	±5	2,461	254	GMS	
West of Smedberg Lake	280425	4210361	±5	2,612	294	GMS	
West of Smedberg Lake	280730	4209631	±5	2,832	314	GMS	
Smedberg Lake	281502	4210009	±5	2,841	262	GMS	
Smedberg Lake	281995	4210006	±5	2,818	293	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Benson Lake—Continued							
Southeast of Smedberg Lake	282305	4209721	±5	2,834	318	GMS	
West of Benson Pass	283464	4210075	±5	3,009	251	GMS	
Benson Pass	283869	4210175	±5	3,094	231	GMS	
Pettit Peak							
North of Rodgers Lake	281070	4208967	±5	2,936	334	GMS	
North of Rodgers Lake	281204	4208714	±5	2,996	310	GMS	
Rodgers Lake	280568	4208397	±5	2,900	240	GMS	
Rodgers Lake	280863	4208434	±5	2,893	264	GMS	
West of Rodgers Lake	280379	4207946	±5	2,901	223	GMS	
Northwest of Pettit Peak	281891	4207242	±5	3,155	246	GMS	
East of Rodgers Lake	282260	4207944	±5	3,199	269	GMS	
East of Rodgers Lake	281884	4207818	±5	3,086	290	GMS	
Matterhorn Peak							
Wilson Creek	286073	4209272	±5	2,730	145	GMS	
Matterhorn Canyon	286590	4209084	±5	2,679	212	GMS	
Matterhorn Canyon	287833	4209903	±5	2,587	225	GMS	
Matterhorn Canyon	287932	4209513	±5	2,715	220	GMS	
Matterhorn Canyon	287927	4209459	±5	2,725	215	GMS	
North of Miller Lake	287779	4208530	±5	2,921	204	GMS	
East of Miller Lake	288088	4208164	±5	2,894	205	GMS	
Lower part of Spiller Creek canyon	290310	4211397	±5	2,758	182	GMS	
Upper part of Spiller Creek canyon	291439	4216645	±5	3,204	202	GMS	
Upper part of Spiller Creek canyon	291935	4217798	±5	3,164	176	GMS	Difficult to confirm orientation; could be 180° opposite
Upper part of Spiller Creek canyon	291941	4218018	±5	3,230	188	GMS	Difficult to confirm orientation; could be 180° opposite
Upper part of Spiller Creek canyon	292055	4218181	±5	3,255	184	GMS	Difficult to confirm orientation; could be 180° opposite
Horse Creek	292369	4220016	±5	2,887	322	GMS	
Horse Creek	292375	4219238	±5	3,044	31	GMS	
Horse Creek	292036	4218351	±5	3,249	356	GMS	
Dunderberg Peak							
Virginia Lakes	300297	4213704	±5	3,115	76	GMS	
Virginia Lakes	299685	4213587	±5	3,164	60	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Dunderberg Peak—Continued							
Virginia Lakes	299316	4213412	±5	3,312	45	GMS	
Virginia Pass	298546	4212854	±5	3,394	4	GMS	
Saddlebag Lake							
North of Z Lake	298604	4207423	±5	3,218	3	RGM/GMS	
Northeast of Z Lake	298919	4207302	±5	3,184	358	RGM/GMS	
East of Z Lake	298725	4206993	±5	3,200	6	RGM/GMS	
Northwest of Z Lake	298290	4207185	±5	3,197	8	RGM/GMS	
Southeast of Steelhead Lake	297670	4207069	±5	3,157	23	RGM/GMS	
West of Hummingbird Lake	298850	4206770	±5	3,187	2	RGM/GMS	
Northeast of Greenstone Lake	298485	4206512	±5	3,150	8	RGM/GMS	Two distinct sets of glacial striations, separated by 53°
Northeast of Greenstone Lake	298485	4206512	±5	3,150	61	RGM/GMS	Two distinct sets of glacial striations, separated by 53°
Northeast of Greenstone Lake	298538	4206384	±5	3,136	9	RGM/GMS	Two distinct sets of glacial striations, separated by 75°
Northeast of Greenstone Lake	298538	4206384	±5	3,136	84	RGM/GMS	Two distinct sets of glacial striations, separated by 75°
East of Greenstone Lake	299171	4206075	±5	3,090	84	RGM/GMS	
East of Greenstone Lake	299040	4206143	±5	3,093	75	RGM/GMS	
Northwest of Saddlebag Lake	299244	4205911	±5	3,090	99	RGM/GMS	
Conness Lakes	297837	4206182	±5	3,214	73	GMS	
Conness Lakes	296591	4205394	±5	3,449	74	GMS	
Conness Lakes	296788	4205354	±5	3,388	32	GMS	
Conness Lakes	296969	4205338	±5	3,337	24	GMS	
Conness Lakes	297115	4205457	±5	3,285	31	GMS	
Conness Lakes	297269	4205621	±5	3,288	23	GMS	
Conness Lakes	297326	4205618	±5	3,281	35	GMS	
Conness Lakes	297458	4205697	±5	3,252	9	GMS	
Sawmill Canyon	299757	4203814	±5	2,970	121	GMS	
Sawmill Canyon	299567	4203881	±5	2,989	114	GMS	
Sawmill Canyon	299720	4203833	±5	3,005	120	GMS	
Southwest of Gardisky Lake	301438	4202552	±5	2,970	138	GMS	
Southwest of Gardisky Lake	301368	4202546	±5	2,960	137	GMS	
Southwest of Gardisky Lake	301428	4202555	±5	2,961	138	GMS	
South of Bennettville	301705	4200904	±5	3,001	94	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Saddlebag Lake—Continued							
South of Bennettville	301623	4200979	±5	2,994	101	GMS	
South of Bennettville	301438	4201110	±5	2,987	110	GMS	
South of Bennettville	301418	4201122	±5	2,986	111	GMS	
West of Bennettville	301199	4201259	±5	2,999	75	GMS	
West of Bennettville	301063	4201146	±5	3,098	105	GMS	
West of Bennettville	301052	4201057	±5	3,134	99	GMS	
West of Bennettville	301038	4201007	±5	3,167	102	GMS	
West of Bennettville	300973	4200960	±5	3,212	88	GMS	
Northwest of Bennettville	301131	4201359	±5	3,014	120	GMS	Two distinct sets of glacial striations, separated by 40°
Northwest of Bennettville	301131	4201359	±5	3,014	79	GMS	Two distinct sets of glacial striations, separated by 40°
Northwest of Bennettville	301131	4201335	±5	3,017	117	GMS	
Northwest of Bennettville/Shell Lake	301135	4201407	±5	3,006	127	GMS	
Northwest of Bennettville/Shell Lake	301078	4201435	±5	3,004	120	GMS	
Northwest of Bennettville/Shell Lake	301222	4201418	±5	3,002	125	GMS	
North of Shell Lake	300705	4201813	±5	3,003	118	GMS	
East of Shell Lake	301236	4201913	±5	3,067	135	GMS	
East of Fantail Lake	300549	4202432	±5	3,050	128	GMS	
East of Fantail Lake	301203	4201919	±5	3,065	135	GMS	
North of Fantail Lake	300311	4202432	±5	3,018	121	GMS	
Northwest of Fantail Lake	300114	4202428	±5	3,021	117	GMS	
West of Fantail Lake	299756	4202477	±5	3,056	107	GMS	
North of Spuller Lake	299101	4202771	±5	3,153	98	GMS	
North of Spuller Lake	299010	4202779	±5	3,165	106	GMS	
Gaylor Lakes							
East of “Dana Village”	300943	4200881	±5	3,227	77	GMS	
East of “Dana Village”	300703	4200751	±5	3,250	65	GMS	
East of “Dana Village”	300728	4200672	±5	3,258	70	GMS	
East of “Dana Village”	300719	4200591	±5	3,269	73	GMS	Two distinct sets of glacial striations, separated by 9°
East of “Dana Village”	300719	4200591	±5	3,269	64	GMS	Two distinct sets of glacial striations, separated by 9°
East of “Dana Village”	300764	4200480	±5	3,277	76	GMS	
“Dana Village”	300781	4200344	±5	3,296	85	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Gaylor Lakes—Continued							
“Dana Village”	300610	4200324	±5	3,288	86	GMS	
“Dana Village”	300538	4200356	±5	3,297	105	GMS	
West of “Dana Village”	300392	4200367	±5	3,321	100	GMS	
West of “Dana Village”	300373	4200352	±5	3,325	101	GMS	
West of “Dana Village”	300300	4200421	±5	3,351	123	GMS	
Northwest of “Dana Village”	300217	4200957	±5	3,361	89	GMS	
Northwest of “Dana Village”	300288	4200795	±5	3,328	86	GMS	
Northwest of “Dana Village”	300410	4200577	±5	3,326	84	GMS	
North of Upper Gaylor Lake	300873	4200007	±5	3,265	87	GMS	
East of Upper Gaylor Lake	300870	4199803	±5	3,231	80	GMS	
Northeast of Granite Lakes	300257	4200484	±5	3,375	111	GMS	
North of Granite Lakes	300101	4200640	±5	3,348	109	GMS	
North of Granite Lakes	299949	4200889	±5	3,402	116	GMS	
North of Granite Lakes	299914	4200946	±5	3,422	95	GMS	
North of Granite Lakes	300033	4201036	±5	3,430	40	GMS	
Granite Lakes	299936	4199192	±5	3,175	192	GMS	
Granite Lakes	299930	4199416	±5	3,177	170	GMS	
Granite Lakes	299841	4199734	±5	3,180	167	GMS	
Granite Lakes	299752	4199861	±5	3,179	142	GMS	
Granite Lakes	300013	4199108	±5	3,172	198	GMS	
West of Gaylor Lakes	298517	4198389	±50	3,133	231	CW	
West of Gaylor Lakes	298432	4198054	±50	3,112	225	CW	
Tioga Pass							
North of Tioga Lake	302067	4200290	±5	2,941	38	GMS	
North of Tioga Lake	302122	4200239	±5	2,951	38	GMS	
North of Tioga Lake	302020	4200346	±5	2,953	40	GMS	
North of Tioga Lake	302061	4200324	±5	2,944	42	GMS	
North of Tioga Lake	301945	4200441	±5	2,963	57	GMS	
North of Tioga Lake	302201	4200569	±5	2,941	53	GMS	
North of Tioga Lake	301898	4200719	±5	3,050	80	GMS	
North of Tioga Lake	301879	4200722	±5	3,049	81	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Tioga Pass—Continued							
North of Tioga Lake	301857	4200806	±5	3,030	90	GMS	
Northeast of Tioga Lake	302163	4200089	±5	2,954	20	GMS	
South of Tioga Lake	301802	4199149	±5	2,974	26	GMS	
South of Tioga Lake	301795	4199161	±5	2,978	26	GMS	
South of Tioga Lake	301714	4199210	±5	3,011	25	GMS	
South of Tioga Lake	301719	4199180	±5	3,006	24	GMS	
Southwest of Tioga Lake	301933	4199324	±5	2,959	18	GMS	
West of Tioga Lake	301857	4199456	±5	2,979	16	GMS	
West of Tioga Lake	301869	4199432	±5	2,965	19	GMS	
West of Tioga Lake	301544	4200007	±5	2,972	42	GMS	
West of Tioga Lake	301492	4200041	±5	2,993	44	GMS	
West of Tioga Lake	301512	4200111	±5	2,986	60	GMS	
West of Tioga Lake	301412	4200138	±5	3,013	54	GMS	
West of Tioga Lake	301376	4199160	±5	3,102	39	GMS	
West of Tioga Lake	301337	4199099	±5	3,121	52	GMS	
West of Tioga Lake	301259	4199179	±5	3,167	54	GMS	
West of Tioga Lake	301260	4199297	±5	3,179	62	GMS	
West of Tioga Lake	301334	4199459	±5	3,180	50	GMS	
West of Tioga Lake	301473	4199458	±5	3,157	46	GMS	
West of Tioga Lake	301524	4199411	±5	3,140	33	GMS	
West of Tioga Lake	301311	4199493	±5	3,186	53	GMS	
West of Tioga Lake	301263	4199436	±5	3,205	54	GMS	
West of Tioga Lake	301221	4199415	±5	3,214	154	GMS	Two distinct sets of glacial striations, separated by 100°
West of Tioga Lake	301221	4199415	±5	3,214	54	GMS	Two distinct sets of glacial striations, separated by 100°
West of Tioga Lake	301199	4199356	±5	3,228	166	GMS	Two distinct sets of glacial striations, separated by 110°
West of Tioga Lake	301199	4199356	±5	3,228	56	GMS	Two distinct sets of glacial striations, separated by 110°
West of Tioga Lake	301184	4199351	±5	3,236	154	GMS	Two distinct sets of glacial striations, separated by 98°
West of Tioga Lake	301184	4199351	±5	3,236	56	GMS	Two distinct sets of glacial striations, separated by 98°
West of Tioga Lake	301148	4199355	±5	3,243	61	GMS	
West of Tioga Lake	301167	4199326	±5	3,239	165	GMS	Two distinct sets of glacial striations, separated by 87°
West of Tioga Lake	301167	4199326	±5	3,239	78	GMS	Two distinct sets of glacial striations, separated by 87°

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Tioga Pass—Continued							
West of Tioga Lake	301213	4199063	±5	3,204	62	GMS	
West of Tioga Lake	301246	4198949	±5	3,181	53	GMS	
West of Tioga Lake	301212	4198840	±5	3,160	54	GMS	
West of Tioga Lake	301244	4198823	±5	3,140	51	GMS	
West of Tioga Lake	301282	4198789	±5	3,117	49	GMS	
Northwest of Tioga Lake	301601	4200254	±5	2,979	55	GMS	
Northwest of Tioga Lake	301605	4200289	±5	2,981	54	GMS	
Northwest of Tioga Lake	301530	4200540	±5	3,003	57	GMS	
North of Ellery Lake	303339	4201248	±5	2,901	108	GMS	
East of Ellery Lake	304216	4201191	±5	2,908	34	GMS	
East of Ellery Lake	304016	4201061	±5	2,893	35	GMS	
Lower part of Lee Vining Canyon	307214	4201644	±5	2,342	115	GMS	
West of Ellery Lake	302461	4201190	±5	2,951	100	GMS	
Reversed Peak							
West of June Lake	316882	4183492	±5	2,377	52	GMS	
West of June Lake	316412	4183819	±5	2,422	40	GMS	
West of June Lake	316416	4183743	±5	2,432	35	GMS	
South of Grant Lake	314268	4186703	±5	2,178	7	GMS	
Kuna Crest							
Parker Pass Creek canyon	303076	4192194	±50	3,116	334	CW	
Parker Pass Creek canyon	303000	4193075	±50	3,093	331	CW	
Parker Pass Creek canyon	303449	4193277	±50	3,083	323	CW	
Parker Pass Creek canyon	302576	4193888	±50	3,062	330	CW	
South of Spillway Lake	303974	4190077	±5	3,236	356	GMS	
Helen Lake	304121	4189759	±5	3,338	357	GMS	
Helen Lake	303765	4189729	±5	3,368	2	GMS	
Helen Lake	303294	4189601	±5	3,451	36	GMS	
West of Helen Lake	303088	4189559	±5	3,507	24	GMS	
Kuna Lake	302164	4191736	±5	3,358	20	GMS	
East of Kuna Lake	302210	4192520	±5	3,268	359	GMS	
East of Kuna Lake	302214	4193106	±5	3,192	356	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Lyell Fork (of Tuolumne River)							
Lyell Canyon	298551	4191543	±5	2,695	334	GMS	
Lyell Canyon	299106	4189774	±5	2,700	342	GMS	
Lyell Canyon	300779	4185404	±5	2,739	23	GMS	
Lyell Canyon	298158	4191964	±5	2,692	325	GMS	
Lyell Canyon	297530	4192997	±5	2,680	320	GMS	
Upper part of Lyell Canyon	299716	4182244	±5	3,203	47	GMS	
Upper part of Lyell Canyon	299716	4182244	±5	3,203	35	GMS	
Upper part of Lyell Canyon	299678	4182211	±5	3,204	35	GMS	
Upper part of Lyell Canyon	299565	4182380	±5	3,206	35	GMS	
Upper part of Lyell Canyon	300916	4181021	±5	3,283	19	GMS	
Upper part of Lyell Canyon	300925	4181107	±5	3,285	15	GMS	
Upper part of Lyell Canyon	300601	4181063	±5	3,345	21	GMS	
Upper part of Lyell Canyon	300385	4181241	±5	3,355	17	GMS	
Upper part of Lyell Canyon	299522	4181510	±5	3,454	18	GMS	
Upper part of Lyell Canyon	299030	4181024	±5	3,492	20	GMS	
Upper part of Lyell Canyon	299954	4180844	±5	3,500	310	GMS	
Upper part of Lyell Canyon	299936	4180822	±5	3,507	60	GMS	
Upper part of Lyell Canyon	300217	4180400	±5	3,513	40	GMS	
Upper part of Lyell Canyon	298921	4180249	±5	3,633	340	GMS	
Upper part of Lyell Canyon	298921	4180249	±5	3,633	345	GMS	
Upper part of Lyell Canyon	298748	4183017	±5	3,410	66	GMS	
Upper part of Lyell Canyon	298339	4183079	±5	3,457	75	GMS	
Northeast of Ireland Lake	297435	4185441	±5	3,280	17	RGM	
Northeast of Ireland Lake	297420	4185547	±5	3,280	19	RGM	
Northeast of Ireland Lake	297559	4185956	±5	3,262	21	RGM	
Northeast of Ireland Lake	297966	4186467	±5	3,170	21	RGM	
Southeast of Ireland Lake	297868	4183406	±5	3,460	346	GMS	
Southeast of Ireland Lake	297820	4183943	±5	3,411	344	GMS	
Evelyn Lake							
North of Evelyn Lake	295073	4188147	±50	3,120	15	CW	
North of Evelyn Lake	295180	4188710	±50	3,082	2	CW	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Evelyn Lake—Continued							
North of Evelyn Lake	295335	4188767	±50	3,062	11	CW	
North of Evelyn Lake	295792	4188742	±50	2,975	5	CW	
North of Evelyn Lake	295450	4189191	±50	3,020	18	CW	
Northeast of Evelyn Lake	296764	4188977	±50	3,208	343	CW	
Northeast of Evelyn Lake	296931	4188994	±50	3,212	2	CW	
Northeast of Evelyn Lake	297105	4188864	±50	3,220	348	CW	
Northeast of Evelyn Lake	297425	4188812	±50	3,254	0	CW	
Northeast of Evelyn Lake	297363	4188723	±50	3,251	0	CW	
Northeast of Evelyn Lake	297289	4188592	±50	3,261	358	CW	
Northeast of Evelyn Lake	297145	4188410	±50	3,278	355	CW	
Northeast of Evelyn Lake	297183	4188258	±50	3,271	18	CW	
Northeast of Evelyn Lake	297146	4187896	±50	3,244	4	CW	
Northeast of Evelyn Lake	297124	4187813	±50	3,243	343	CW	
Northeast of Evelyn Lake	297164	4187513	±50	3,237	2	CW	
East of Evelyn Lake	297252	4186862	±50	3,220	26	CW	
East of Evelyn Lake	297070	4187275	±50	3,254	357	CW	
East of Evelyn Lake	297153	4187365	±50	3,246	2	CW	
East of Evelyn Lake	296946	4186929	±50	3,270	358	CW	
East of Evelyn Lake	296823	4186878	±50	3,297	11	CW	
East of Evelyn Lake	296585	4186617	±50	3,340	4	CW	
East of Evelyn Lake	296535	4186447	±50	3,376	4	CW	
Southeast of Evelyn Lake	296503	4186167	±50	3,376	1	CW	
Southeast of Evelyn Lake	296386	4185984	±50	3,359	315	CW	
Southeast of Evelyn Lake	296182	4186044	±50	3,327	301	CW	
Southeast of Evelyn Lake	295925	4186063	±50	3,287	291	CW	
Southeast of Evelyn Lake	295705	4186049	±50	3,257	299	CW	
Southwest of Evelyn Lake	294885	4186085	±50	3,225	298	CW	
Southwest of Evelyn Lake	294524	4186240	±50	3,200	282	CW	
Southwest of Evelyn Lake	294265	4186435	±50	3,120	255	CW	
Southwest of Evelyn Lake	294147	4186511	±50	3,087	257	CW	
Southwest of Evelyn Lake	294077	4186589	±50	3,066	245	CW	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Evelyn Lake—Continued							
Southwest of Evelyn Lake	294056	4186616	±50	3,060	190	CW	
West of Evelyn Lake	293719	4186809	±50	3,080	234	CW	
West of Evelyn Lake	293984	4187123	±50	3,037	40	CW	
West of Evelyn Lake	293918	4187149	±50	3,042	40	CW	
West of Evelyn Lake	293880	4187211	±50	3,040	34	CW	
Northwest of Evelyn Lake	294063	4187677	±50	3,012	23	CW	
Rafferty Creek	295620	4190040	±50	2,855	24	CW	
Rafferty Creek	295711	4190067	±5	2,852	20	GMS	
Rafferty Creek	295774	4190407	±5	2,842	14	GMS	
Rafferty Creek	295371	4190114	±50	2,874	30	CW	
Rafferty Creek	295622	4190522	±5	2,855	18	GMS	
Rafferty Creek	295690	4190699	±50	2,848	17	CW	
Rafferty Creek	295773	4190847	±50	2,833	7	CW	
Rafferty Creek	295765	4191441	±50	2,820	2	CW	
Rafferty Creek	295741	4191617	±50	2,820	355	CW	
Rafferty Creek	295714	4192015	±50	2,800	328	CW	
Rafferty Creek	295682	4192004	±50	2,800	313	CW	
Rafferty Creek	295712	4192208	±50	2,794	273	CW	
West of Rafferty Creek	294581	4189805	±50	2,968	24	CW	
West of Rafferty Creek	294159	4190142	±50	3,082	30	CW	
West of Rafferty Creek	294124	4189944	±50	3,110	30	CW	
West of Rafferty Creek	294116	4189713	±50	3,146	32	CW	
West of Rafferty Creek	293930	4189555	±50	3,194	44	CW	
West of Rafferty Creek	293789	4189327	±50	3,205	47	CW	
West of Rafferty Creek	293608	4189399	±50	3,210	89	CW	
West of Rafferty Creek	293343	4189256	±50	3,236	274	CW	
West of Rafferty Creek	293110	4189242	±50	3,280	276	CW	
West of Rafferty Creek	293461	4188275	±50	3,210	14	CW	
West of Rafferty Creek	293562	4188326	±50	3,208	15	CW	
West of Rafferty Creek	293347	4187888	±50	3,186	147	CW	
West of Rafferty Creek	293268	4187737	±50	3,187	314	CW	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Evelyn Lake—Continued							
North of Boothe Lake	293354	4186587	±5	3,095	222	GMS	
North of Boothe Lake	293245	4186643	±5	3,146	225	GMS	
North of Boothe Lake	293261	4187134	±5	3,097	220	GMS	
Tuolumne Pass	293808	4186572	±5	3,042	229	GMS	
Tuolumne Pass	294048	4187032	±5	3,040	224	GMS	
Tuolumne Pass	294010	4187151	±5	3,039	218	GMS	
Matthes Crest							
Northeast of Reymann Lake	292970	4189013	±50	3,316	235	CW	
Northeast of Reymann Lake	292994	4188942	±50	3,292	237	CW	
Northeast of Reymann Lake	293040	4188872	±50	3,257	254	CW	
Northeast of Reymann Lake	292986	4188713	±50	3,210	266	CW	
Northeast of Reymann Lake	293101	4188585	±50	3,180	287	CW	
Northeast of Reymann Lake	292967	4188556	±50	3,210	284	CW	
East of Elizabeth Lake	292471	4190913	±50	3,064	335	CW	
East of Elizabeth Lake	292318	4190924	±50	3,020	341	CW	
East of Elizabeth Lake	291982	4191197	±50	2,925	350	CW	
Southeast of Elizabeth Lake	292172	4189832	±50	3,170	314	CW	
Southeast of Elizabeth Lake	292107	4189575	±50	3,227	335	CW	
Southeast of Elizabeth Lake	292163	4189647	±50	3,207	314	CW	
Southeast of Elizabeth Lake	291901	4189594	±50	3,200	336	CW	
Southeast of Elizabeth Lake	291934	4189491	±50	3,250	340	CW	
Southeast of Elizabeth Lake	292797	4190454	±50	3,122	321	CW	
South of Elizabeth Lake	291504	4189298	±50	3,242	209	CW	
South of Elizabeth Lake	291282	4189696	±50	3,172	262	CW	
Cathedral Peak							
Southeast of Cathedral Peak	288861	4190995	±50	3,080	347	CW	
Southeast of Cathedral Peak	288557	4191263	±50	3,065	270	CW	
South of Cathedral Peak	288213	4191058	±50	3,080	273	CW	
Ragged Peak							
North of Ragged Peak	293256	4201512	±50	3,043	296	CW	
North of Ragged Peak	292960	4201515	±50	3,030	266	CW	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Ragged Peak—Continued							
West of Ragged Peak	291904	4200364	±50	2,976	261	CW	
West of Ragged Peak	288871	4198884	±5	2,654	282	RGM	
West of Ragged Peak	288351	4198725	±5	2,620	278	RGM	
West of Ragged Peak	288236	4198381	±5	2,560	280	RGM	
West of Ragged Peak	287462	4198474	±5	2,440	274	RGM	
West of Ragged Peak	287577	4199069	±5	2,453	238	RGM	
West of Ragged Peak	287834	4199912	±5	2,502	213	RGM	
West of Ragged Peak	287741	4199937	±5	2,520	211	RGM	
West of Ragged Peak	287703	4199751	±5	2,510	214	RGM	
West of Ragged Peak	287526	4199921	±5	2,587	203	RGM	
West of Ragged Peak	287450	4200167	±5	2,680	205	RGM	
West of Ragged Peak	287600	4200521	±5	2,671	204	RGM	
West of Ragged Peak	287970	4200367	±5	2,565	207	RGM	
West of Ragged Peak	287978	4200333	±5	2,560	218	RGM	
Northwest of Ragged Peak	292777	4201378	±50	3,023	254	CW	
Northwest of Ragged Peak	292600	4201290	±50	3,010	235	CW	
Northwest of Ragged Peak	292507	4201145	±50	3,014	225	CW	
Tuolumne Meadows							
Northwest of Tuolumne Meadows	290003	4196342	±50	2,600	309	CW	
Northwest of Tuolumne Meadows	290601	4196875	±50	2,670	293	CW	
Lembert Dome	293113	4194905	±5	2,641	283	GMS	
Lembert Dome	293396	4195098	±5	2,791	285	GMS	
Lembert Dome	293348	4195129	±5	2,800	286	GMS	
Lembert Dome	293519	4195270	±5	2,862	289	GMS	
Lembert Dome	293604	4195320	±5	2,880	285	GMS	
Northeast of Lembert Dome	293784	4195567	±5	2,858	290	GMS	
East of Dog Lake	296491	4196297	±5	2,977	214	GMS	
Tuolumne Meadows	289826	4196030	±50	2,606	313	CW	
Tuolumne Meadows	291715	4195083	±50	2,636	294	CW	
Tuolumne Meadows	291539	4195367	±50	2,648	306	CW	
Tuolumne Meadows	291200	4194462	±5	2,611	295	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Tuolumne Meadows—Continued							
Tuolumne Meadows	290982	4194500	±5	2,612	298	GMS	
West of Tuolumne Meadows	289832	4196118	±50	2,605	299	CW	
West of Tuolumne Meadows	289182	4195175	±50	2,640	285	CW	
West of Tuolumne Meadows	288815	4196356	±50	2,600	316	CW	
West of Tuolumne Meadows	288692	4196736	±50	2,576	284	CW	
West of Tuolumne Meadows	288709	4197236	±50	2,570	259	CW	
West of Tuolumne Meadows	287571	4196716	±50	2,685	286	CW	
West of Tuolumne Meadows	289049	4196382	±50	2,602	317	CW	
West of Tuolumne Meadows	289207	4197338	±50	2,580	312	CW	
West of Tuolumne Meadows	289255	4197537	±50	2,656	312	CW	
West of Tuolumne Meadows	288543	4197001	±50	2,577	317	CW	
West of Tuolumne Meadows	289513	4194975	±50	2,640	300	CW	
Pothole Dome	289527	4194992	±5	2,632	303	GMS	
Pothole Dome	289461	4195115	±5	2,664	304	GMS	
Pothole Dome	289505	4195279	±5	2,678	303	GMS	
West of Pothole Dome	289275	4195588	±50	2,655	301	CW	
Tuolumne River, near “Little Devils Postpile”	288085	4197303	±5	2,578	326	RGM	
Tuolumne River, near “Little Devils Postpile”	288100	4197527	±5	2,573	311	RGM	
Tuolumne River, near “Little Devils Postpile”	288568	4197038	±5	2,584	321	RGM	
Tuolumne River, near “Little Devils Postpile”	288080	4197397	±5	2,560	316	RGM	
Tuolumne River, near “Little Devils Postpile”	287770	4197714	±5	2,531	295	RGM	
Southeast of Fairview Dome	288999	4193645	±50	2,780	292	CW	
South of Fairview Dome	288488	4193813	±50	2,775	272	CW	
Southwest of Fairview Dome	287645	4194983	±50	2,591	285	CW	
Southwest of Fairview Dome	286815	4193955	±50	2,713	250	CW	
Southwest of Fairview Dome	286586	4193707	±50	2,650	239	CW	
West of Fairview Dome	286594	4194349	±5	2,610	200	GMS	
Northwest of Fairview Dome	287954	4195406	±50	2,735	277	CW	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Tuolumne Meadows—Continued							
Northwest of Fairview Dome	288112	4195600	±50	2,742	301	CW	
Northwest of Fairview Dome	288478	4195814	±50	2,775	226	CW	
Southwest of McGee Lake	285599	4196969	±50	2,450	312	CW	
North of Cathedral Creek	287727	4194956	±50	2,594	279	CW	
North of Cathedral Creek	287548	4195081	±50	2,600	295	CW	
North of Cathedral Creek	287441	4195244	±50	2,580	298	CW	
North of Cathedral Creek	287071	4195306	±50	2,585	285	CW	
North of Cathedral Creek	286821	4195212	±50	2,605	287	CW	
West of Cathedral Creek	284992	4197148	±50	2,515	341	CW	
West of Cathedral Creek	283773	4196779	±50	2,735	335	CW	
West of Cathedral Creek	283607	4196226	±50	2,692	340	CW	
West of Cathedral Creek	284992	4195327	±50	2,527	294	CW	
North of Cathedral Creek	286174	4195414	±50	2,572	296	CW	
South of Cathedral Creek	285728	4194726	±50	2,575	291	CW	
South of Cathedral Creek	285579	4194518	±50	2,626	278	CW	
South of Cathedral Creek	285394	4194379	±50	2,706	281	CW	
South of Cathedral Creek	285857	4193337	±50	2,608	212	CW	
South of Cathedral Creek	285899	4193501	± 0	2,638	211	CW	
South Fork Cathedral Creek	281163	4198268	±5	2,591	24	GMS	
South Fork Cathedral Creek	281084	4197628	±5	2,541	20	GMS	
Ten Lakes							
South of Ten Lakes Pass	276419	4197729	±5	2,860	207	GMS	
Ten Lakes	277446	4198289	±5	2,814	16	GMS	
Ten Lakes	277566	4198293	±5	2,746	7	GMS	
Ten Lakes	277849	4198542	±5	2,727	339	GMS	
Ten Lakes	278059	4198796	±5	2,743	333	GMS	
East of Ten Lakes	281060	4198506	±5	2,676	48	GMS	
Tuolumne Peak							
North of Tuolumne Peak	282427	4195769	±5	2,967	56	GMS	
North of Tuolumne Peak	282432	4195779	±5	2,867	55	GMS	
North of Tuolumne Peak	282212	4195666	±5	2,977	34	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Tuolumne Peak—Continued							
East of Tuolumne Peak	282746	4194897	±5	2,749	188	GMS	
East of Tuolumne Peak	282454	4194650	±5	2,767	199	GMS	
Southeast of Tuolumne Peak	282924	4193998	±5	2,666	188	GMS	
Southeast of Tuolumne Peak	282520	4193773	±5	2,684	179	GMS	
Northwest of Tuolumne Peak	282339	4195532	±5	3,000	41	GMS	
Northwest of Tuolumne Peak	281935	4195885	±5	2,993	42	GMS	
Lake Vernon							
Tiltill Valley	263374	4206003	±5	1,764	255	GMS	
Tiltill Valley	263373	4206048	±5	1,756	254	GMS	
West of Lake Vernon	258635	4210021	±5	2,035	243	GMS	
West of Lake Vernon	259215	4210309	±5	2,027	232	GMS	
Lake Vernon	260284	4210423	±5	2,004	220	GMS	
Lake Vernon	260529	4210573	±5	2,004	231	GMS	
South of Lake Vernon	260797	4209947	±5	2,186	219	GMS	
Laurel Lake							
North of Laurel Lake	254388	4210636	±5	1,898	243	GMS	
North of Laurel Lake	254186	4210969	±5	1,807	210	GMS	
North of Laurel Lake	254131	4211050	±5	1,799	204	GMS	
North of Laurel Lake	253931	4211274	±5	1,804	206	GMS	
North of Laurel Lake	253948	4211326	±5	1,809	219	GMS	
North of Laurel Lake	254176	4211149	±5	1,795	202	GMS	
North of Laurel Lake	254079	4211053	±5	1,796	205	GMS	
Lake Eleanor	250557	4207810	±5	1,451	235	GMS	
Hetch Hetchy Valley							
North shore of Hetch Hetchy Reservoir	259423	4204654	±5	1,300	283	GMS	
North shore of Hetch Hetchy Reservoir	258499	4204684	±5	1,295	283	GMS	
North shore of Hetch Hetchy Reservoir	255708	4204819	±5	1,205	256	GMS	
North shore of Hetch Hetchy Reservoir	255804	4204844	±5	1,203	252	GMS	
North of Hetch Hetchy Reservoir	255311	4206367	±5	1,747	325	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Hetch Hetchy Valley—Continued							
Southwest of Hetch Hetchy Reservoir	251253	4198498	±5	1,616	221	GMS	
North Mountain							
Lower part of Tuolumne River canyon	242823	4196736	±5	776	256	GMS	
Lower part of Tuolumne River canyon	242943	4196827	±5	784	260	GMS	
Lower part of Tuolumne River canyon	242951	4196778	±5	773	249	GMS	
Tenaya Lake							
West of Polly Dome Lakes	283780	4193251	±5	2,670	226	GMS	
West of Polly Dome Lakes	283527	4193676	±5	2,634	206	GMS	
Murphy Creek	283236	4193113	±5	2,591	201	GMS	
Murphy Creek	282947	4192292	±5	2,575	175	GMS	
Murphy Creek	283099	4191693	±5	2,565	176	GMS	
East of Murphy Creek	283291	4192282	±5	2,673	187	GMS	
East of Murphy Creek	283317	4191250	±5	2,562	184	GMS	
West of Murphy Creek	283056	4191210	±5	2,550	185	GMS	
Northeast of Pywiack Dome	285388	4191971	±5	2,646	200	GMS	
East of Polly Dome	285057	4192451	±5	2,670	195	GMS	
East of Polly Dome	285136	4192150	±5	2,570	196	GMS	
East of Polly Dome Lakes	285139	4193724	±5	2,693	239	GMS	
Northeast of Tenaya Lake	284290	4190830	±5	2,500	215	GMS	
Tenaya Lake	283448	4190220	±5	2,490	200	GMS	
Tenaya Lake	283334	4190270	±5	2,490	235	GMS	
West of Tenaya Lake	282639	4189993	±5	2,525	195	GMS	
West of Tenaya Lake	282589	4189518	±5	2,490	229	GMS	
Northeast of May Lake	281265	4192252	±5	2,798	180	GMS	
Southwest of Tenaya Lake	282620	4188781	±5	2,497	183	GMS	
Southwest of Tenaya Lake	282805	4188543	±5	2,524	206	GMS	
Southwest of Tenaya Lake	282271	4188331	±5	2,522	195	GMS	
Mount Hoffmann							
Hoffmann Creek	278570	4188579	±5	2,552	186	GMS	
Upper part of Yosemite Creek	275182	4193947	±5	2,460	306	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Mount Hoffmann—Continued							
Upper part of Yosemite Creek	274950	4193953	±5	2,457	307	GMS	
Upper part of Yosemite Creek	274828	4194008	±5	2,439	296	GMS	
Upper part of Yosemite Creek	274589	4193212	±5	2,548	239	GMS	
Upper part of Yosemite Creek	271370	4189605	±5	2,219	215	GMS	
Upper part of Yosemite Creek	271365	4189615	±5	2,220	220	GMS	
Upper part of Yosemite Creek	271959	4190013	±5	2,213	223	GMS	
East of Yosemite Creek	273249	4189491	±5	2,512	176	GMS	
West of Yosemite Creek	270455	4188421	±5	2,254	213	GMS	
West of Yosemite Creek	271079	4189141	±5	2,215	212	GMS	
West of Yosemite Creek	269871	4186548	±5	2,193	180	GMS	
West of Yosemite Creek	270338	4188199	±5	2,250	218	GMS	
West of Yosemite Creek	271799	4191142	±5	2,383	252	GMS	
West of Yosemite Creek	267769	4189432	±5	2,531	43	GMS	
West of Yosemite Creek	267445	4189532	±5	2,534	39	GMS	
East of May Lake	282130	4191634	±5	2,720	183	GMS	
May Lake	280937	4191871	±5	2,854	181	GMS	
May Lake	280501	4191665	±5	2,846	145	GMS	
West of May Lake	282361	4189580	±5	2,500	201	GMS	
West of May Lake	282128	4189273	±5	2,493	203	GMS	
Northwest of May Lake	280484	4192287	±5	2,935	123	GMS	
Northwest of May Lake	280041	4192340	±5	3,044	102	GMS	
Northwest of May Lake	278942	4193216	±5	2,954	326	GMS	
Northwest of May Lake	280724	4192776	±5	2,954	110	GMS	
Snow Flat	280853	4190178	±50	2,706	183	CW	
Olmsted Point							
East of Olmsted Point	281544	4187754	±50	2,528	201	CW	
Southeast of Olmsted Point	281485	4187187	±50	2,538	203	CW	
Southeast of Olmsted Point	282342	4187242	±50	2,420	200	CW	
Southeast of Olmsted Point	283311	4186937	±50	2,662	218	CW	
Southeast of Olmsted Point	282153	4185961	±50	2,330	229	CW	
South of Olmsted Point	281310	4185992	±50	2,495	202	CW	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Olmsted Point—Continued							
South of Olmsted Point	281096	4185861	±50	2,483	231	CW	
Southwest of Olmsted Point	280830	4186488	±50	2,394	209	CW	
West of Olmsted Point	281270	4187534	±50	2,568	210	CW	
West of Olmsted Point	281145	4187390	±50	2,518	203	CW	
West of Olmsted Point	280751	4188044	±50	2,588	181	CW	
West of Olmsted Point	280961	4187572	±50	2,542	203	CW	
West of Olmsted Point	280091	4188481	±50	2,550	203	CW	
West of Olmsted Point	281092	4187249	±50	2,500	215	CW	
West of Olmsted Point	281107	4187280	±50	2,500	205	CW	
Northwest of Olmsted Point	281249	4188818	±50	2,633	193	CW	
Northwest of Olmsted Point	280818	4187723	±50	2,607	247	CW	
Northwest of Olmsted Point	280903	4187981	±5	2,575	205	GMS	
Northwest of Olmsted Point	280988	4188100	±5	2,576	214	GMS	
Hidden Lake	280330	4187291	±5	2,569	200	GMS	
Siesta Lake							
Southeast of Siesta Lake	266462	4192259	±5	2,536	347	GMS	
South of Siesta Lake	266448	4190618	±5	2,750	68	GMS	
South of Siesta Lake	266442	4191787	±5	2,605	334	GMS	
South of Siesta Lake	266283	4192167	±5	2,540	348	GMS	
South of Siesta Lake	266188	4192244	±5	2,500	340	GMS	
South of Siesta Lake	266226	4192321	±5	2,476	341	GMS	
South of Siesta Lake	266146	4192293	±5	2,470	342	GMS	
South of Siesta Lake	266492	4192110	±5	2,578	340	GMS	
Southwest of Siesta Lake	266010	4191025	±5	2,693	282	GMS	
Vogelsang Peak							
Lower part of Lewis Creek	289096	4179865	±5	2,355	249	GMS	
Lower part of Fletcher Creek	289561	4181495	±5	2,707	142	GMS	
Lower part of Fletcher Creek	289498	4181477	±5	2,691	162	GMS	
Lower part of Fletcher Creek	289627	4181567	±5	2,722	149	GMS	
Emeric Lake	289750	4183464	±5	2,859	212	GMS	
Emeric Lake	290025	4183723	±5	2,853	227	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Vogelsang Peak—Continued							
Emeric Lake	290359	4183866	±5	2,874	240	GMS	
Emeric Lake	290427	4183912	±5	2,876	236	GMS	
Emeric Lake	290517	4183940	±5	2,878	241	GMS	
Upper part of Fletcher Creek	290546	4184017	±5	2,882	249	GMS	
Foerster Peak							
Upper part of Triple Peak Fork	293089	4170238	±5	2,793	23	GMS	
Harriet Lake	295971	4172629	±5	3,133	304	GMS	
Harriet Lake	295863	4172623	±5	3,131	304	GMS	
Harriet Lake	295654	4172697	±5	3,134	261	GMS	
Foerster Peak	297425	4173370	±5	3,326	252	GMS	
Foerster Peak	297331	4174052	±5	3,293	265	GMS	
Lyell Fork Merced River, below Hutchings Creek	294908	4175992	±5	2,782	244	GMS	
Lyell Fork Merced River, below Hutchings Creek	294899	4176132	±5	2,811	245	GMS	
Lyell Fork Merced River, below Hutchings Creek	294384	4176043	±5	2,852	268	GMS	
Triple Divide Peak							
Upper part of Merced Peak Fork	290446	4169852	±5	2,920	21	GMS	
Upper part of Merced Peak Fork	290791	4169681	±5	2,937	25	GMS	
Upper part of Merced Peak Fork	290989	4169924	±5	2,955	26	GMS	
Upper part of Merced Peak Fork	291239	4170065	±5	2,994	35	GMS	
Southwest of Red Devil Lake	289053	4170650	±5	3,071	38	GMS	
Southwest of Red Devil Lake	289075	4170622	±5	3,073	31	GMS	
Southwest of Red Devil Lake	289101	4170596	±5	3,073	33	GMS	
South of Red Devil Lake	289899	4170610	±5	3,022	20	GMS	
Merced Lake							
Merced Lake	288073	4179504	±5	2,219	287	GMS	
Merced Lake	288087	4179555	±5	2,222	283	GMS	
Merced Lake	288110	4179655	±5	2,222	285	GMS	
Yosemite Valley							
Sierra Point	274782	4178618	±5	1,503	318	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Yosemite Valley—Continued							
West of Yosemite Falls	270870	4180692	±5	1,228	262	RGM/GMS	
West of Yosemite Falls	270873	4180692	±5	1,228	260	RGM/GMS	
Illilouette Creek							
Northwest of Lower Merced Pass Lake	284045	4167404	±5	2,679	320	GMS	
Northwest of Lower Merced Pass Lake	283139	4167809	±5	2,624	310	GMS	
Northwest of Lower Merced Pass Lake	282817	4168152	±5	2,600	300	GMS	
Northwest of Lower Merced Pass Lake	282629	4168262	±5	2,586	300	GMS	
Northwest of Lower Merced Pass Lake	283245	4168120	±5	2,540	300	GMS	
Northwest of Lower Merced Pass Lake	282731	4168922	±5	2,484	328	GMS	
Northwest of Lower Merced Pass Lake	282622	4169247	±5	2,467	323	GMS	
Northwest of Lower Merced Pass Lake	282511	4169528	±5	2,450	0	GMS	
Northwest of Lower Merced Pass Lake	282411	4169635	±5	2,420	325	GMS	
Northwest of Lower Merced Pass Lake	282235	4169703	±5	2,388	310	GMS	
Northwest of Lower Merced Pass Lake	282011	4169982	±5	2,362	310	GMS	
Lower Ottoway Lake	285526	4168385	±5	2,839	226	GMS	
Lower Ottoway Lake	285549	4168447	±5	2,847	227	GMS	
Lower Ottoway Lake	286372	4169065	±5	2,956	269	GMS	
Lower Ottoway Lake	286363	4169136	±5	2,957	270	GMS	
North of Lower Ottoway Lake	286364	4169557	±5	3,037	219	GMS	
North of Lower Ottoway Lake	286496	4169608	±5	3,048	214	GMS	
East of Lower Ottoway Lake	287409	4169256	±5	3,116	268	GMS	
Timber Knob							
Isberg Pass	296065	4170871	±5	3,280	186	GMS	
Southwest of McGee Lake	296641	4169617	±5	2,991	205	GMS	
Southwest of McGee Lake	296641	4169758	±5	3,030	188	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Timber Knob—Continued							
West of McGee Lake	296550	4169931	±5	3,107	192	GMS	
West of McGee Lake	296510	4170028	±5	3,114	184	GMS	
Northwest of McGee Lake	296382	4170173	±5	3,129	199	GMS	
Northwest of McGee Lake	296243	4170279	±5	3,162	194	GMS	
Northwest of McGee Lake	296090	4170381	±5	3,184	213	GMS	
Northwest of McGee Lake	296370	4170446	±5	3,171	204	GMS	
North of Sadler Lake	296722	4169070	±5	2,930	205	GMS	
East of Sadler Lake	296945	4168734	±5	2,862	186	GMS	
East of Sadler Lake	296945	4168778	±5	2,863	200	GMS	
East of Sadler Lake	296942	4168759	±5	2,862	196	GMS	
Northeast of Timber Knob	298563	4164679	±5	2,584	189	GMS	
Northeast of Timber Knob	298497	4164729	±5	2,590	190	GMS	
Northeast of Timber Knob	298445	4164777	±5	2,595	184	GMS	
Northeast of Timber Knob	297915	4165918	±5	2,622	225	GMS	
Northeast of Timber Knob	297901	4165917	±5	2,624	227	GMS	
Northeast of Timber Knob	298427	4165539	±5	2,599	210	GMS	
East of Timber Knob	299631	4162879	±5	2,557	66	GMS	
Sing Peak							
West of Chain Lakes	285132	4160527	±50	2,630	224	CW	
Buena Vista Peak							
West of Crescent Lake	275218	4160730	±50	2,605	358	CW	
Northeast of Crescent Lake	276609	4160869	±50	2,584	246	CW	
West of Johnson Lake	277284	4160750	±50	2,613	222	CW	
South of Johnson Lake	277761	4160280	±50	2,567	226	CW	
South of Johnson Lake	277688	4160081	±50	2,546	282	CW	
South of Johnson Lake	277589	4159916	±50	2,466	236	CW	
South of Royal Arch Lake	278717	4161191	±50	2,634	208	CW	
West of Royal Arch Lake	278844	4161881	±50	2,650	190	CW	
Northwest of Minnow Lake	278072	4162164	±50	2,688	239	CW	
North of Minnow Lake	277950	4162307	±50	2695	231	CW	
North of Buena Vista Lake	277894	4164595	±50	2,770	338	CW	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Buena Vista Peak—Continued							
Northeast of Buena Vista Lake	278903	4164842	±50	2,767	7	CW	
East of Buena Vista Lake	278723	4164217	±50	2,835	196	CW	
South of Buena Vista Lake	277807	4164233	±50	2,800	357	CW	
Northwest of Buena Vista Lake	277243	4164876	±50	2,750	323	CW	
Northwest of Buena Vista Lake	276715	4164958	±50	2,656	280	CW	
North of Buena Vista Peak	277781	4163905	±50	2,882	35	CW	
East of Buena Vista Peak	278645	4163647	±50	2,800	211	CW	
Southeast of Buena Vista Peak	278934	4162974	±50	2,805	215	CW	
Southeast of Buena Vista Peak	278558	4162810	±50	2,710	198	CW	
Southeast of Buena Vista Peak	278482	4163092	±50	2,764	186	CW	
South of Buena Vista Peak	277633	4163159	±50	2,805	211	CW	
South of Buena Vista Peak	277929	4162693	±50	2,770	306	CW	
Southwest of Buena Vista Peak	277590	4163450	±50	2,867	206	CW	
Southwest of Buena Vista Peak	276690	4163270	±50	2,756	313	CW	
Southwest of Buena Vista Peak	277379	4163561	±50	2,850	180	CW	
Southwest of Buena Vista Peak	276346	4162943	±50	2,748	359	CW	
Southwest of Buena Vista Peak	276247	4162939	±50	2,722	6	CW	
Southwest of Buena Vista Peak	276045	4162930	±50	2,663	329	CW	
Southwest of Buena Vista Peak	275850	4162797	±50	2,596	306	CW	
Southwest of Buena Vista Peak	275966	4162500	±50	2,675	1	CW	
Southwest of Buena Vista Peak	276035	4162652	±50	2,640	317	CW	
Southwest of Buena Vista Peak	275503	4162407	±50	2,636	21	CW	
Southwest of Buena Vista Peak	275288	4162298	±50	2,600	327	CW	
Southwest of Buena Vista Peak	274987	4162308	±50	2,540	306	CW	
Southwest of Buena Vista Peak	274920	4162212	±50	2,536	304	CW	
Southwest of Buena Vista Peak	275364	4162397	±50	2,607	336	CW	
West of Buena Vista Peak	277347	4163916	±50	2,866	359	CW	
West of Buena Vista Peak	277225	4163884	±50	2,828	355	CW	
West of Buena Vista Peak	274029	4163319	±50	2,380	301	CW	
West of Buena Vista Peak	273813	4163383	±50	2,357	288	CW	
West of Buena Vista Peak	272429	4163053	±50	2,316	235	CW	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Buena Vista Peak—Continued							
West of Buena Vista Peak	272429	4163053	±50	2,316	216	CW	
West of Buena Vista Peak	273627	4163035	±50	2,420	321	CW	
West of Buena Vista Peak	273475	4162576	±50	2,513	317	CW	
West of Buena Vista Peak	274041	4162973	±50	2,426	306	CW	
West of Buena Vista Peak	274279	4163608	±50	2,425	265	CW	
West of Buena Vista Peak	274524	4163727	±50	2,472	282	CW	
West of Buena Vista Peak	274613	4163908	±50	2,483	285	CW	
Windy Lake	278204	4165668	±50	2,622	2	CW	
Windy Lake	278355	4165687	±50	2,610	359	CW	
Northwest of Turner Meadow	269596	4164733	±50	2,300	333	CW	
Northwest of Turner Meadow	269708	4164561	±50	2,400	336	CW	
Northwest of Turner Meadow	269552	4164513	±50	2,386	358	CW	
Northwest of Turner Meadow	269290	4164632	±50	2,343	2	CW	
Northwest of Turner Meadow	269057	4164625	±50	2,325	358	CW	
Northwest of Turner Meadow	268745	4164688	±50	2,310	3	CW	
Northwest of Turner Meadow	268552	4164627	±50	2,314	326	CW	
Mount Raymond							
Northeast of Mount Raymond	275310	4155438	±50	2,470	59	CW	
Northeast of Mount Raymond	275527	4155507	±50	2,400	25	CW	
Northeast of Mount Raymond	276503	4156949	±50	1,920	302	CW	
Northeast of Mount Raymond	276356	4157517	±50	1,920	287	CW	
East of Mount Raymond	276442	4154618	±50	2,412	68	CW	
East of Mount Raymond	278421	4155512	±50	2,557	312	CW	
East of Mount Raymond	278802	4155899	±50	2,479	358	CW	
South of Mount Raymond	275003	4153755	±50	2,478	297	CW	
Mammoth Mountain							
Mammoth Pass	321024	4164853	±5	2,841	103	GMS	
West of Horseshoe Lake	322318	4164663	±5	2,733	55	GMS	
Northwest of Lake Mary	322996	4164158	±5	2,736	348	GMS	
Northwest of Lake Mary	322798	4164096	±5	2,735	341	GMS	

Measurement location	UTM - E (m)	UTM - N (m)	Accuracy (m)	Elevation (m amsl)	Mean azimuth (degrees)	Measured by	Notes
Devils Postpile							
Top of Devils Postpile	316035	4166255	±5	2,356	182	GMS	
Top of Devils Postpile	316054	4166263	±5	2,355	180	GMS	