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Form 501
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

H. & G. SURVEY
L. & A.
JAN 9 1923
Sec. No.

State: Calif.-- Nev.

11-5813

DESCRIPTIVE REPORT.

Type Sheet No. 3993-3994

LOCALITY:

Lake Tahoe

1922

CHIEF OF PARTY:

Fred. L. Peacock, H. & G. E.

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DESCRIPTIVE

REPORT

to accompany

TWO TOPOGRAPHIC SHEETS OF

LAKE TAHOE

CALIFORNIA ----- NEVADA

Lake Tahoe Shore Party, 1922

Fred. L. Peacock, H. & G.E., Chief of Party

DESCRIPTIVE REPORT TO ACCOMPANY SHEET NO.

Survey Methods

The two topographic sheets of Lake Tahoe, its shore-line and physical features, were forwarded to the field party from the Washington Office, with all detail complete in pencil. This topography was the work of the U.S. Reclamation Service in the summer of 1918, done on a scale of 1 inch equals 200 feet, controlled by a stadia traverse run around the shore-line of the lake. These two topographic sheets were compiled from blue prints of the original sheets of the Reclamation Service Survey, after proper adjustments had been made for the closure of their traverse.

The work of the Lake Tahoe Shore Party then was to verify these sheets. Due to a limited officer personnel in the party (there were only two officers) a complete plane-table verification was impossible in the time allotted. However, the plane table was taken into the field for the location of signals and on these occasions the two topographic sheets yielded good three-point fixes, with recognizable physical features, as gables of houses, used as points of orientation. In addition, a check on the shore-line was obtained through the hydrography by transferring to the boat sheet the shore-line.

The field party established 34 points of contact between the Reclamation Service Survey and the triangulation of 1922 by the Coast Survey, for swinging the shore-line onto a projection. Some of these contact points were located in the field by plane table. Others were transferred from large scale blue prints of the Reclamation Service Survey onto the topographic sheets -- recognizable points that were coincident to both the Reclamation Service Survey and Coast Survey triangulation of 1922.

The following triangulation stations were located in the field by the plane table: Observatory Point; Observatory Point (2) ; State Line; Truckee; and the following intersection stations: Nev; Ob; Ate; Bas; Tay; Wab.

At intersection stations Live, Air, and Ball, contact was obtained by traversing to the signal from a recovered and identified station mark of the Reclamation Service traverse.

Intersection station Cen was found to be identical with a traverse point of the Reclamation Service traverse.

Bench marks at the Tahoe City water-level station and at the Upper Truckee water-level station were located by plane table and the new wharf of the Standard Oil Company at Tahoe City was run in with the plane table. At Tahoe City, at Upper Truckee (Truckee Marsh) at Observatory Point, and at State Line Point, sufficient pointings were taken on the shore line to check its position as given on the topographic sheets. The mouths of the Upper Truckee River were found to have changed slightly their position and these changes are made in ink on the topographic sheet.

Respectfully submitted

Arthur W. Skilling
Arthur W. Skilling, Aid

Respectfully forwarded

Fred. L. Peacock

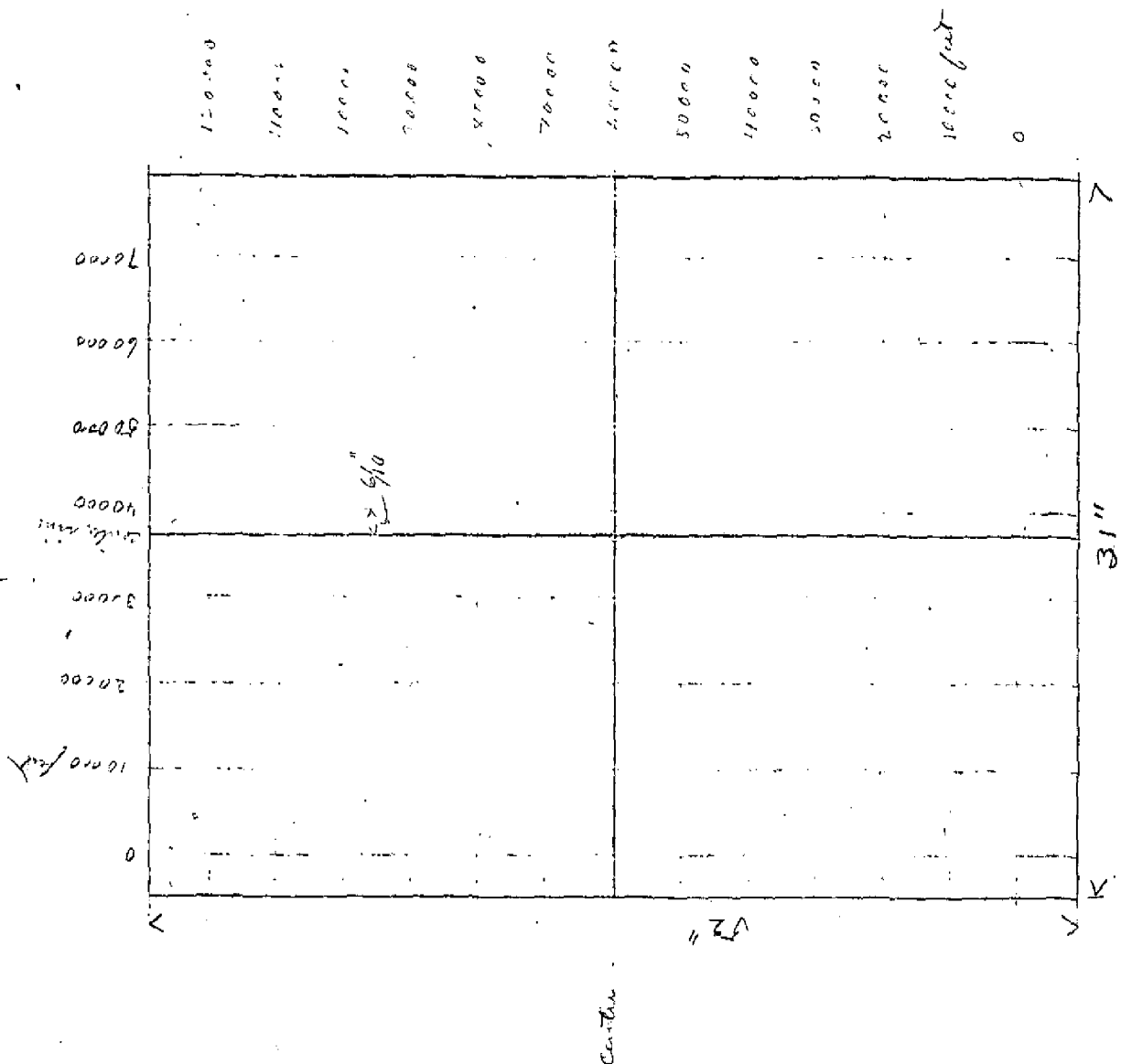
Fred. L. Peacock, Chief of Party.
Hydr. & Geod. Engr.

Sta	N	S	E	W	adjusted coordinates	
					North	East
191						
194					8782	194
195					10530	195
196					11389	196
202					16012	202
211	4623.3			9253.9	11604	211
215	+ 2			- 20	10353	215
218				9234	13449	218
219					14055	219
224					16242	224
230	8253.6			862.4	19861	230
231	+ 3			- 2	22017	231
235				860	25898	235
236					27141	236
238					28439	238
239	8905.3			2122.0	28770	239
242	+ 4			- 4	32104	242
245				2118	36716	245
246					38252	246
253					42095	253
256	16303.2			3951.4	45081	256
260	+ 8			- 8	48230	260
263				3943	51225	263
264					52143	264
269					54157	269
270	9481.4			6344.0	54566	270
275	+ 4			- 14	56678	275
276				1330	58546	276
277					60170	277
279					62984	279
280	9801.2			7470.6	64371	280
283	+ 4			- 16	68618	283
284				7455	70086	284
289					74418	289
294					78101	294
295	15510.3		3044.8		79889	295
300	+ 7		+ 7		84438	300
301			3052		86468	301
304					90418	304
310					92417	310
311	13201.0		5814.2		93096	311
313	+ 5		+ 12		94842	313
314			582.6		94700	314
317					95930	317
328					101050	328
329	10040.6		10724.8		103141	329
333	+ 4		+ 23		106283	333
334			10749		108715	334
340					111939	340
343					114734	343
344	11955.2		8796.9		115100	344
347	+ 4		+ 19		116063	347
348			8816		115364	348
352			1657.4		115138	352
356			35		113390	356
2		5102.2	16539.1		110000	2
	117857.5	117956.6	69849.9	70152.4		
	+ 49.5	- 49.5	+ 151	- 151		
	117907	117907	70001	70001	1/4463 v	

Non rectangular projection for					
Sta	Horizontal Proj. line	FEET North on 1/10000 scale	Vertical Proj. line	FEET East on 1/10000 scale	
2	✓ 110 000	✓ 00000	50 000	00000	
9	✓ 110 000	✓ 19345	50 000	14383	✓
10	✓ 110 000	✓ 29705	50 000	15502	✓
14	✓ 110 000	✓ 27588	50 000	27378	✓
15	✓ 110 000	✓ 2887621	50 000	297182	✓
16	✓ 110 000	✓ 3916787	50 000	132943	✓
19	✓ 110 000	✓ 396239	50 000	275729	✓
20	✓ 110 000	✓ 394818	50 000	289933	✓
27	✓ 110 000	✓ 273258	60 000	1314221	✓
28	✓ 110 000	✓ 2628302	60 000	1436386	✓
33	✓ 110 000	✓ 432956	60 000	1302780	✓ 736
36	✓ 110 000	✓ 297065	70 000	273282	✓
37	✓ 110 000	✓ 130456	70 000	12605	✓ 50
42	✓ 100 000	✓ 273247	70 000	516793	✓
43	✓ 100 000	✓ 157205	70 000	144509	✓
48	✓ 100 000	✓ 1301341	70 000	28731	✓
49	✓ 100 000	✓ 155150	70 000	27457	✓
56	✓ 90 000	✓ 260158	70 000	168160	✓
62	✓ 90 000	✓ 144899	70 000	26010	✓
63	✓ 90 000	✓ 69285	70 000	14300	✓
68	✓ 80 000	✓ 1586684	70 000	158	✓
76	✓ 80 000	✓ 13038	60 000	275860	✓
91	✓ 70 000	✓ 157184	60 000	1572383	✓
97	✓ 60 000	✓ 3929513	60 000	1315668	✓
105	✓ 60 000	✓ 1598121	60 000	1430361	✓
110	✓ 60 000	✓ 145579	60 000	2629863	✓
111	✓ 60 000	✓ 1328712	60 000	2745730	✓
118	✓ 50 000	✓ 3914063	60 000	2601027	✓
119	✓ 50 000	✓ 2941936	60 000	1599435	✓
125	✓ 50 000	✓ 445952	60 000	2757323	✓
126	✓ 50 000	✓ 131551	60 000	2715627	✓
130	✓ 40 000	✓ 1303089	60 000	2628458	✓
131	✓ 40 000	✓ 261440	60 000	2615550	✓
136	✓ 40 000	✓ 1315511	60 000	1599683	✓
137	✓ 40 000	✓ 1301485	60 000	1587738	✓ 572
142	✓ 30 000	✓ 2862889	60 000	1586423	✓
148	✓ 30 000	✓ 297195	60 000	1585133	✓
156	✓ 20 000	✓ 2746903	60 000	315791	✓
161	✓ 20 000	✓ 1301496	60 000	1315883	✓ 337
162	✓ 20 000	✓ 144873	60 000	1432955	✓
164	✓ 10 000	✓ 2745757	60 000	1585120	✓
165	✓ 10 000	✓ 1599421	60 000	1586307	✓
167	✓ 10 000	✓ 286634	60 000	1456268	✓
168	✓ 10 000	✓ 14806	60 000	1315642	✓
171	✓ 0	✓ 299077	50 000	3916539	✓
172	✓ 0	✓ 286357	50 000	2745628	✓
175	✓ 0	✓ 286176	50 000	14029	✓
176	✓ 0	✓ 2745886	50 000	284168	✓
180	✓ 0	✓ 262905	40 000	3928352	✓
181	✓ 0	✓ 1598276	40 000	2886229	✓
183	✓ 0	✓ 1585395	40 000	1574833	✓
184	✓ 0	✓ 1587726	40 000	1315513	✓
186	✓ 0	✓ 26025792	40 000	1557	✓
187	✓ 0	✓ 2615564	30 000	3901079	✓
191	✓ 0	✓ 2730276	30 000	1560400	✓
Meters North on 1:30,000 chart reduced to reading from 1:10,000 scale instruments.					

Lake Palace		on 1/30000. Squares 10000 ft			
Sta.	Horizontal Proj. line	FEET measured on 1/10000 scale	Vertical Proj. line	FEET measured on 1/10000 scale	
194	✓ 0	28992.21	30 000	✓ 26275	
195	✓ 10 000	15441	20 000	✓ 3915497	
196	✓ 10 000	1446134	20 000	✓ 3915484	
202	✓ 10 000	2601614	20 000	✓ 2899100	
211	✓ 10 000	156635	20 000	✓ 1587986	
215	✓ 10 000	13168	20 000	✓ 144885	
218	✓ 10 000	315500	20 000	✓ 1313192	
219	✓ 10 000	1431522	20 000	✓ 1442086	
224	✓ 10 000	2603841	20 000	✓ 2744208	
230	✓ 10 000	13020827	20 000	✓ 469009	
231	✓ 20 000	260752	20 000	✓ 15606752	
235	✓ 20 000	15991914	20 000	✓ 14693992	
236	✓ 20 000	222850	20 000	✓ 1459943	
238	✓ 20 000	28851732	20 000	✓ 1431653	
239	✓ 20 000	289213	20 000	✓ 247053	
242	✓ 30 000	271071	10 000	✓ 3914078	
245	✓ 30 000	26283294	10 000	✓ 2757596	
246	✓ 30 000	2873581	10 000	✓ 2756151	
253	✓ 40 000	261938	10 000	✓ 2730284	
256	✓ 40 000	1561964	10 000	✓ 2899711	
260	✓ 40 000	2873163	10 000	✓ 3927061	
263	✓ 50 000	142048	10 000	✓ 3901195	
264	✓ 50 000	271184	10 000	✓ 2873163	
269	✓ 50 000	1432826	10 000	✓ 1431653	
270	✓ 50 000	1456242	10 000	✓ 2841726	
275	✓ 50 000	2627286	0	✓ 2873359	
276	✓ 50 000	2886489	0	✓ 2629878	
277	✓ 60 000	15772	0	✓ 2614142	
279	✓ 60 000	39093	0	✓ 1573427	
280	✓ 60 000	1444547	0	✓ 1580660	
283	✓ 60 000	2887163	0	✓ 6642618830	
284	✓ 70 000	1299	0	✓ 2628562	
289	✓ 70 000	144493	0	✓ 5751587897	
294	✓ 70 000	2872030	0	✓ 2886333	
295	✓ 70 000	13020956	0	✓ 12861768	
300	✓ 80 000	144519	10 000	✓ 83823723	
301	✓ 80 000	2615576	10 000	✓ 143453	
304	✓ 90 000	143292	10 000	✓ 131158	
310	✓ 90 000	284066	10 000	✓ 1302515	
311	✓ 90 000	1301342	10 000	✓ 1329827	
313	✓ 90 000	1469124	10 000	✓ 2744208	
314	✓ 90 000	1457687	10 000	✓ 2898085	
317	✓ 90 000	1690127	20 000	✓ 261914	
328	✓ 100 000	130570	20 000	✓ 1158151	
329	✓ 100 000	1301497	20 000	✓ 1456386	
333	✓ 100 000	2603984	20 000	✓ 2628562	
334	✓ 100 000	2898053	20 000	✓ 2731327	
340	✓ 110 000	169476	30 000	✓ 169347	
343	✓ 110 000	1458718	30 000	✓ 169593	
344	✓ 110 000	151080	30 000	✓ 131482	
347	✓ 110 000	2601261	30 000	✓ 2615576	
348	✓ 110 000	154058	30 000	✓ 2887519	
352	✓ 110 000	1512123	40 000	✓ 1301107	
356	✓ 110 000	1314340	40 000	✓ 168314	

11/20/06
 W



Sta	N.	S.	E.	W.	Adjusted Coordinates		
					North feet	Sta. no.	East feet
2					110.000	2	50.000
9					111.906	9	51.359
10					112.704	10	51.501
14					117.757	14	52.334
15	8580.9		2730.2		118.584	15	52.736
16	+3		+6		119.532	16	53.780
19			2736		119.086	19	57.580
20					119.265	20	58.793
27					117.135	27	63.363
28		1889.3	11845.6		116.694	28	64.607
33		-1	+25		114.187	33	69.211
36			1187.1		112.716	36	70.713
37					111.037	37	70.494
42					107.131	42	71.707
43		11586.6	6756.0		105.115	43	71.378
48		-5	+15		103.092	48	70.812
49			6771.1		101.530	49	70.742
56					96.055	56	71.830
62					91.468	62	70.600
63		14447.3		988.7	90.674	63	70.391
68		-6		-2	85.591	68	70.054
76				987	80.323	76	67.682
91					75.112	91	65.200
97					69.760	97	63.504
105		24952.5		6414.2	65.732	105	63.994
110		-10		-14	64.737	110	66.850
111				63.97	63.812	111	67.411
118					59.310	118	66.021
119					58.987	119	65.834
125		11260.6	3598.3		54.476	125	67.600
126		-5	+8		53.452	126	67.401
130			3606		49.926	130	66.744
131					48.009	131	66.451
136					43.454	136	65.890
137		11346.4		197.13	43.135	137	65.633
142		-5		-4	38.067	142	65.529
148				19.67	32.745	148	65.438
156					27.478	156	63.538
161					23.137	161	63.314
162		21695.2		145.15	21.449	162	64.184
164		-9		-3	17.431	164	65.429
165				1449	15.823	165	65.512
167					12.591	167	64.583
168					11.201	168	63.486
171		12522.6		47.18.1	8.931	171	59.476
172		-5		+10	8.510	172	57.403
175				47.08	8.027	175	53.957
176					7.458	176	52.423
180					6.795	180	49.695
181		3153.9		110.13.7	5.778	181	48.486
183		-1		-24	5.504	183	45.349
184				109.90	5.629	184	43.458
186					6.177	186	40.149
187					6.463	187	39.026
191	1201.3			13593.6	6.979	191	34.921
				-29			
				13565			

Adjusted coordinates

Lake Tahoe Shoreline Survey

Survey by Forest Service

Adjusted by Geo. F. Howe JAN 13 1922

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. **3993 & 3994**

State **California - Nevada**

General locality **Lake Tahoe**

Locality **Lake Tahoe**

Chief of party **Fred. L. Peacock**

Surveyed by . . **United States Reclamation Service**

Date of survey **1918**

Scale **1:30,000**

Heights in feet above

Contour interval feet.

Inked by Lettered by

Records accompanying sheet (check those forwarded): Photographs, .

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: **The two topographic sheets of Lake Tahoe, one for the North Part and one for the South Part, were prepared in the Washington Office, the shore line and physical features being taken from large scale sheets of the Reclamation Service Survey. U.S.C. & G.S. triangulation points were put on in the field to serve as contact between Coast Survey triangulation of 1922 and the shore line survey of 1918 by the Reclamation Service.**