



Nevada Cooperative
Snow Surveys.

Reno.
Nev.

21
140

1928

Notes by H.P. Boardman

Dec. 14 Snow survey conference held in office of Geo. Devore of S.P.P. Co. in Reno.

Had 40 copies of report on snow made by Brackley & sent these together with comparison of forecasts & actual P.O. to all concerned.

1929

Jan 2 (SS) A. J. Shaver & Walter Herz made S.S. at Marlette

" 2/3 Snow storm ending A.M. 1/3/29
7" snow ± in Reno.

" 3/4 (SS) J. E. Church & H. P. B. went to Soda Springs Station - Hotel at Milnet.

" 4 } we made S.S. of Summit Valley & layed out 2 new courses near Van Norden Dam at Soda Springs Station.

Jack Eddy of Colfax & Art. Terry of Cisco, P.G. & E. men with us on survey.

1927-'28

1929

Jan 7

Delivered Bien. Report on Nev. Coop. Snow Surveys to W. J. Kilmartin for State Engineer.

" 10/20

Had case of shelves made for Snow Survey Data - Put in E.E. Bldg Hallway C.E. Dept. Made by Geo. E. Gray - Material from Union Mill & Lbr & Com. Hdrv. Co

" 15

Ord. 12 End opening loose leaf Covers for S.S. field Notebooks from Reno Sta. Co and 2000 filbs. " Carlisle Co. (waterproof)

" 21±

Conference held in Geo. Devons office with Mason Valley & Smith Valley (Walker River) Ranchers relative to Legislative action for Snow Surveys.

Leigh Sanford came late and S.S. Committee had a later meeting to discuss budget and apportion it among interested organizations.

2000 to State

1500 " others

1929

Feb 1

Art Terry made Snow Survey at Summit Valley
(S.S.) " Station & 2 new Courses at Soda Springs Sta.

Feb 5/6

(S.S.)

W. A. Simmonds & R. Watson^{sr.} made Snow Surveys of 2 courses at Tahoe City & Vic.

Feb. 7

(S.S.)

Walter J. Herz & O. F. Kistler made Snow Survey Marlette Lake.

Storm

A Snow Storm lasting (intermittently) from 2/1 to 2/6 in the Sierras. Was in progress when Terry made S.S. at Summit etc.

" 8

Bot. + this Note Bk 1.40 Reno Sta. Co

1929

Feb 7/11

Cold Snap. -6° on 7th, -10° on 8th
up to -2° on 11th Threw considerable
on 11th

Feb 15/16 Art Terry made Snow Surveys
(15) at Lake Hordyce - Meadow Lake
(S.S.) (16) Lake Sterling - Furnace Flat
(18) Saw Mill Flat & Red Mt.

Water content 26.2 to 30.5 or about
60% of April 1 Normal for average
Density 33.5 to 34.2, very uniform
for dif. courses.

(S.S.)
Results

Note BK Carlisle thru. San F. had to go to
Fillers Seattle to get the waterproof fillers
for Field S.S. note books.

Water proofing
Buffington Waterproof Co of Seattle

1929

Mar 1 No snow fall (or rain) of con-
sequence in Central Sierras
since 2/6/29 so no S.S. needed
for Mar 1.

Wanted a S.S. at Blue Lakes
about Mar. 10 but Tom Welch
couldn't be spared from S.P. Co.
office, so given up.

Chas. W. Fulton plans to start ^{from Bridgeport}
3/10 for Buckeye Crk. + also
Carter Mt. Snow courses

" 5± Sent a cleaning hook (S.S.) to
W. A. Simmonds

1929

Mch 1/7 Field Books sent out as follows
 C.W. Fulton - Bridgeport Calif
 W.H. Dust - Marlette Lake Nev.
 W.A. Simmonds - Tahoe City Cal
 A.N. Terry - Cisco, Calif
 B.G. McBride - Elko, Nev.
 & handed to
 A.J. Shaver of S.P.Co - Reno
 Fred Herz "

" 2/4 worked up (with Dr Church) a set of rules and suggestions for making Snow Surveys. Had them printed on size to fit in Field Books and sent out

" 9/10 to following:
 all five above (out of town) to whom Field books were sent and also to J.H. Ryan, Salem, Oregon & Harlowe M. Stafford, Sacramento, Calif & James M. Leonard, Virginia City Nev.

" 9/10 Storm Rained in Reno evening of 3/9 + some early a.m. 10th - must have snowed some in mts.

1929

Mch 11 Got 2 ~~en~~ files from Fred Herz

" 12/3

Idaho

Inquiry about Snow Surveying from Geo. N. Carter - Commissioner of Reclamation, Boise, Idaho ^{of 1928}
 Ans'd with copies of letters to W.E. Steward + Gail Hathaway incl. A.J. Shaver's suggestions about field work, equipment etc also sent copies of 1927 & 1928 Forecast + sample field notes & leaflet of instructions for S.S.

" 13

Sent telegram ^{with letters.} urging prompt Snow Surv. + return of Notes to U.S.W.B. from 3 Forest Rangers on Humboldt.

" 14

Sent Wt. letter to Chas S. Knight asking aid of Cal. Devel. also in pushing for passage of Snow S. bill in Cal Legislature and

" 16

rec'd reply.

" "

wrote to Miller, Grass Valley, Ings, Nev. Iriga, Dist to find where Sprng. Bal. + sample tubes were left

" 15

Tapes

Ord. 8-50' metallic tapes from Commercial hardware Co.

Rec'd Mch 20

1929

- C.W. Fulton
 Asst. → Rec'd Snow Survey report from
 C.W. Fulton for Center Mt. &
 Buckeye Crk. (Big Meadow) Courses
 taken Feb. 16 & 17.
 5 days Thu. 14th - M. 18th - Adam M. Millon ^{Asst.}
47.9 % of New Normal
- " 21/22 Gave out to W.R.I. Dist. Prelim. Forecast
 for Walker River Basin + same
 + Truckee - Tahoe & Carson
 to Gazette and Journal
- Prelim.
 Forecast " 23 sent S.S. instructions + sample
 field note fillers to S.S. Cullings
 Watertown N.Y.
- " 23 Sent via Brundidges, 1 pint cans of
 Shellac as follows
 1 to C.W. Fulton Bridgeport
 2 " W.A. Simmonds Tahoe City.
 1 " A.N. Terry ^{Cisco}
- Humb. 25 Snow survey notes read for Lemelle Canyon ^{Courses}
- Tape 25 Sent to C.W. Fulton Bridgeport
 1 file - 1-50' metallic tape - 1 Ch. hook
- " 26 Sent 2 -50' metallic tapes + 2 S.H. files to
 Robert Watson Sr. Tahoe City.
 (Simmonds away on vacation.)
- B.V. 27± Field book to Rob. Watson Tahoe City
 3/28/28 Dr. Church + H.B. working on Humboldt
 Forecasting Problem - 3/27 found
 April-June Precip. studies helped
 account for irregularities.

1929

- Feb. 28 Sent 1-50' tape + 1 S.H. file to
 Tappe A.N. Terry Cisco.
- " 26 gave 2 Field note books and 4-50'
 NB tapes to A.J. Shaver for
 8 Tapes use of parties working out of Reno
- " 30 Replied to inquiry regarding
 Information to Snow Surveys from C.E. Webb
 Vancouver Dist. Chief Engineer - Dominion
 Water & Power & Reclamation
 Service, Dept of the Interior
 Vancouver. B.C. W.G.
 Sent copies of letters to Steward,
 Soil Hathaway & Idaho State Res.
 Center, Com.
- Apr 3 Rain in low alt. and snow in
 3rd wed mt. Sierras
 4th Thur. snow flurries in Reno Thur PM + Friday
 5th Friday
- April 8 Heavy snow in Sierras
 5" to 6" in Reno mostly during afternoon
- " 15 No more precipitation of importance
 since about Apr. 9 -

20

1929

March

Snow Surveys April 1±

East Walker Mch 16 & 17 Deepg. 18

" 30/
31
Sat & Sund.

Mt. Rose

Elmer Jones & Alden Sibley
Courses 1 & 2, 3/30 & C. 3, 3/31" 31
Sunday

Big Meadows

Jack Howell, Maxwell Wright, Jack Albin

" 31

Webber Lake + W. Peak

Weaver A. Solomon, - J. C. Curtis, & N. J. Ericson

April 1

Crystal Peak (W. of Verdi)
Alf Kinne - Joe Cook + Jack Hopkins.

April 1

Marlette Lake

W. H. Dust

" 13

" " Resurvey after storms

1929

April 2

Mch 30

April 1

April 2

April 3

April 12

Snow Surveys April 1± 21

Tahoe - South -

Daggett's Pass - (Kingsbury Grade)
F. H. W. H. & F. B. Frank Brown (10th St Reno)Hagan's Meadows (Freel Peak)
Same Party

Lake Lucile

Fred Herz - Walter Herz & Frank Brown
Party for all ^{sets of} 3 Courses (Tahoe South)Tahoe City & Tahoe West
Ward Creek
R. M. Watson and Steve CraigTahoe City Courses 1 & 2
R. M. Watson & W. A. SimmondsA. M. Terry Surv. Summit & Soda Spgs
courses

22
1929
April
" 3

Snow Surveys April 1+

Blue Lakes Courses 1 & 2
Thos. J. Welsh - Alden Sibley & Ray Browne

April 17+ Geo. E. Gray 11 hrs @ 75¢ drafting + computing

April 8+ Sent to J. A. Millar Humboldt Water Com. at Winnemucca Run Off data of Humboldt at Palisade.

Apr 15 Sent to J. H. Stutt, F. R. George Jack Eddy, A. N. Terry of P. & T. E. Co and Harlowe M. Stafford of Cal. Division of Water Rights, blue prints of following:
2 sheets of Run off data of Truckee River at Iceland (each of Tahoe).
1 sheet showing full record of Snow Surveys at Summit and determination of new 24 yr. est. normal for Summit by comparison with Truckee R. O.
1 sheet of South Yuba snow Surveys April 1+ 1929 incl. Webber courses and Summit.
Recom. in letter determination of S. Yuba S.S. normals by comparison with S. Yuba R. O.
4/15- Sent same data to Fred H. Tibbette + copy to Nevada Irrigation Dist at Grass Valley

1929

Apr 1	Lake ^{Tahoe} at	6224.01
" 10	" "	24.16
" 15	" "	24.13
" 18	" "	24.14
" 20	" "	4.15
" 25	" "	4.17
" 30	" "	4.19

April 10 C. W. Fulton + Chas Kinney went to Hummiwell Cabin
" 11 " Log Cabin at Forks
" 12 layed out course near Log Cabin took one sample but snow stuck to tube. Both sick with colds
" 14 back to Bridgeport
Log Cabin Snow Course (near forks of Buckeye Creek. About 1/2 mile south on South Fork, N.E. of Creek & E. side of Creek.
Course Northwly from Lodgepole pine to be blazed on north side.

New course

Apr 19 Sent in Claims to St. Engr. involving all } Student S.S. ext al

24
1929

Apr 28 Some snow and rain in region
of Lake Tahoe

Apr 30	El. 6224.19	
May 1	El. 4.18	Lake Tahoe
" 5	" 4.22	} Trk excl of Tahoe avg. 1000 ± cfs. for this period
" 7	" 4.22	
" 10	" 4.25	
" 15	" 4.30	
" 16	" 4.32	
" 19	" 4.38	
" 20	" 4.41	
" 21	" 4.42	
" 23	" 4.46	
" 24	" 4.47	
" 25	" 4.49	
" 26	" 4.50	
" 27	" "	
" 28	" 4.49	
" 31	" 4.46	

25

		Elava Lake Tahoe
June 1		6224.47
" 3		4.49
" 5		4.47
" 6		4.46
" 7		4.49
" 8		4.50
" 9		4.54
" 10		4.54
" 12		4.56
" 13		"
" 15		4.54
" 16		4.64
" 17		4.67
" 18		"
" 20		4.69
" 21		"
" 22		4.70
" 23		4.71
" 24		"
" 25		4.72
" 26		"
" 28		"
" 29		4.71
" 30		"

Humboldt
Tranvely Co. 95.00
Photos 11.17
106.25

1929

July 31 sent in to State Engr List of
Claims D.L.B. & A.J.A. Total 30.23

Andrew Maulle
Forest Ranger

Mindon

1931

1931
Feb

2/4 .4" rain in Reno for 24 hrs ending
5 a.m. 2/5/31 -

Some snow in Sierras but more
at Marlette than ^{at} Tahoe Cy.

From South
→ This storm apparently came in
from So. Calif coast instead
of from Puget Sound region

2/8/31 Sunday - Survey made of Truckee #2
S.S. Course, and Calif. markers put up
on trees at each end.
Party A. J. Shaver, T. J. Welsh, P. S. Cowgill
Fred Small, Geo Stockle & Fred Morrison.

2/8/31 S.S. W. H. Duest made S.S. at Marlette

2/9/31 W. A. Simmonds & R. Watson make survey
S.S. of Golf & Tahoe Tavern Courses

1931

Feb 24, Chas W Fulton + Vic Bernard went to
 26 Buckeye Cabin (Hunnivell?) + made
 (East Walker) Snow Survey on 2/25 at Buckeye
 Meadows or (B. Oak) course (Roughs)
 Back to Bridgeport 2/26
 Fulton 3 days total. V.B. {back to
 S.S. } yes, 2/28
 Did not go to Willow Flat. at all.

Mar 3 Blue Lakes Snow courses surveyed
 S.S. car

Mar 5 Mr. & Mrs (Ida S.) Simmonds surveyed
 S.S. both Golf & Tavern courses
 (Tabor City) Bob Watson on crutches after
 a fall on the ice.

Mar 8 Mr. Duett surveyed the 3 Marlette
 S.S. (Marlette) Snow Courses.

Mar 11 Some rain in Reno + snow in Mts.

Field Book Record

mch 22/31

See Pg
16

- 3/1-7/29 1 to C.W. Fulton - Bridgeport
 1 " W.H. Dust - Markette
 1 " W.A. Simmonds - Tahoe City
 (See 3/26/31) 1 " A.N. Terry - Cisco, Calif
 1 " B.G. Mc Bride - Elko, Nev
 1 " A.J. Shaver - Reno (S.P.P. Co)
 1 " Fred Herz - "
 3/27/29 1 " Bob Watson - Tahoe City

2 not sold for

3/22/31 2 in office

3/26/31 1 ret. to office by A.N. Terry - Cisco

3/28+31/31 1 to Tom Welch for Webber trip { kept by S.S. after 5.5

apr 1932 1 kept by A.J.S. (making 2 for him)

" " 1 " " P.S.C. (S.P.P. Co)

Purchased 6 new covers (for Humboldt.)

Feb/
mch
1932

Paul Travis - Paradise Valley
 A. M^c Queen Elko
 L. E. M^c Kenzie La Moille
 A. C. Rohwer Gold Creek
 Q. D. Hansen Jarbidge

1931

Mch 23
Month, A.J. Shaver went to Bridgeport to take part
in Walker Basin Snow Surveys.

Tues 24 Snowed in at Bridgeport

W. 25 Went to Hummell Cabin

Th 26 } Surveyed Center Mt. & Buckeye Forks S. courses
F. 27 }

Sat 28 " The Roughs - " Crk. " " + back
to B.P.

Sund. 29 Went to West Walker - Leavitt Meadows

Mon. 30 Sur. Sonora Pass courses + ret. to B.P.

Tues 31 " Willow Flat " + ret. to Bridgeport

April 1, Wed } A.J.S. returned to Reno

10 Day round Trip; 7 Days on S. Survey
Chas W. Fulton + Vic. Bernard also on survey.

N.B. Fulton needs more S.S. notes ^{Bk.} fillers.
4/3 ± Sant Fillers

1931 Snow Surveys.

Mch. Wether Lake & Peak

28-31 Incl. Tom J. Walsh S.P.P. Ted Lumsford, 605 Lake ^{Reno}

Wether & Joe Cook, S.A.E. Home

C.P. Tues Crystal Peak Vernon Armstrong S.P.P.

3/31 Phil Conzill S.P.P. Ted Overton, Sig Van Home

Jack Albina Lumsden Hall

Big M. Big Meadows W. of Hunter Lake - Fred Roumoge S.A.E.

Mon. 3/30 Horsee L. Church, Beta Kappa H. V. Mills 415 Wash.

John Taylor, S.A.E.

Trk. Sund. 3/29 Phil Conzill S.P.P. Geo. White S.P.P. Ted Overton
(T metae #2)

Mt. R. Mount Rose - Fred Small Delta Sig Lambda
Sat 3/28 & Sund 29 C.B. White S.P.P. Willard Douglas " " "
& Jack McDonough Y.M.C.A.

So. Tahoe South Tahoe Fred Hargy Cruz Vanstrom
Sat. Mch 28 }
Tues " 31 } A. Wessitch W. Poulson

Marlette April 1 W.H. Duest.

April 22 Wed. P.M. - Th. A.M. Snow Storm - 12" in Reno 11 P.M.
2" or 3" more in mt. but settled to 11" total by
" 23 7³⁰ a.m. total water content
a little more snow Th. mt.
at Tahoe

1931

July

S. M. Tu.
19-20-21

Tom Walsh, A. J. Stoner et al with truck.
 with Fred Herz's old Dodge
 Fred Herz, Al Nichols & H. P. B. & Bldg cabin
 Bldg S.S. cabin near Hunter Lake
 completed several weeks later by
 Fred Herz et al

27 M H.P.B. with Spencer Munson to W. Walker &
 Bridgeport. making courses 1

28 S.M., A.J.S. C.W. Fulton + H.P.B. marked Buckeye
 Roughs course & to Buckeye Forks cabin

29 marked Center Mt. S. course + B " course

30 back to Bridgeport.

Frid. 31 marked Willow Flat C. & to Reno

Sept. 6 S. Fred Herz, Spencer Munson - Clark Amers
 + H.P.B.
 & " 7 M (Labor Day) + Cruz Venstrom marked
 Lake Lucile Snow course &
 cleared some of brush &

Nov.

7-8 } Buckeye S.S. Cabin blt.
 Truck (leased by Swelson Motor Co.)
 hauled mtl's. from Reno to cabin site
 Nov. 7. Carpenter & Helper from Reno & Truck
 driver - Tom Welsh & H.B. went to
 Bridgeport & Buckeye $1\frac{1}{2}$ ^{days} & camped at
 cabin site night of $1\frac{1}{2}$ & back to Reno
 $1\frac{1}{8}$ exc. Carpenter & Helper ^{who} finished ^{P.M.}
 cabin & returned to Reno. Nov-10-31

1931

Dec

1932

- Jan 1 Marlette Lake Snow Survey
made by W.H. Dust - Complete
all 3 courses
- " 1 10 Random S.S. measurement
taken by W.A. Simmonds $\frac{1}{2}$ Day
at Tahoe City on Tavern Course

Feb 24 Horace Barnett & R. Koenig surveyed
Blue Lakes courses (for Calif.)

Feb. 26 Humboldt Friday evening $\frac{2}{26}$ A.J. Shaver left for
the Humboldt watershed to locate course
& organize S.S. Returned Mch. 13 a.m.

1932

Feb 28 Phil Cowgill & Ted Overton
and Surveyed Trk. # 2
& Boca Courses P.S.C. broke glasses
Cost. P.S.C. 1 Day @ 6⁰⁰ — 6⁰⁰
Ted O. 1 " " 4 — 4⁰⁰
Mileage P.S.C. 66 m. @ 10¢ — 6⁶⁰

Mch 19 Chas. W. Fulton ^{15⁰⁰} & Vic H. Bernard ^{10⁰⁰} Surveyed
all courses E. + W. Walker - Center Mt. $\frac{3}{22}$
Walker Buckeye Fks. $\frac{3}{23}$, Buckeye Roughs $\frac{3}{24}$
Willow Flat $\frac{3}{26}$ - Sonora Pass & Hearitt M. $\frac{3}{29}$
Encountered several storms which de-
layed the work.
C.W.F. 13 days
Vic H.B. 14 " - 1 day extra Yarnette - Bridge
of rest.

Mch 26 Mt. Rose Courses surveyed by } CS. #1 Mch 26
Mch 27 Fred Small - Willard Douglas } # 2 & 3
Mt. Rose Albert Nichols & Kistler Rivers } Mch 27

Mch 24 / Apr 3 / H.D. Horace Barnett ^{7⁵⁰} & Raymond Koenig ^{7⁵⁰}
Blue Lakes Surv. Bl. Lakes $\frac{3}{26}$ Silver PK $\frac{3}{28}$
&c. Williams 4/1 Burnside Lake 4/2

1932
 Mch 30
 Apr 4 Fred ^{10.00} Herz, ^{5.00} Cruz Venstrom, ^{5.00} Arnold Wasistak
 Wayne Poulsen, Sunw. Daggetts Pass ^{3/30}
 South Hogan's M. - Freel Beach & Upper Truckee ^{3/31}
 Tahoe Lake Lucile Apr. 2

Apr 7/32 Rubicon Pk. G.E. Harkness & A.C. Delbo
 (West) 2 days (via boat) Survey made 4/7/32
 (Tahoe) Delayed on acct. of Death Apr 3 of
³⁰⁶ ~~Watson~~ Robert M. (Old Bob) Watson

Word ^{10.00} ^{10.00} ^(G.E.) ^{5.00}
 creek Harkness & Delbo
 Tahoe W.A. Simmonds & Bob Harkness
 City 4/1 surveyed Tahoe by Courses Apr. 1

Apr 2 Marlette Lake Surveyed
 by W.H. Dux

Mch 24/27 M.T. Rose (see pg 61)

Apr 2/3 Big Meadows A.J. Shaver ^{10.00}, Vernon ^{6.00} Armstrong
^{4.00} James Crawford made I.S. 4/3.

April 3 Granite Pk. (Crystal Pt) Surveyed
^{6.00} Phil Cowgill - Ted Overton ^{4.00} - Joe Horton ^{3.00}
^{3.00} Richard Cooke - Vernon Mills

Apr. 2 Truckee #2 & Boca P.S. Cowgill ^{6.00}
^{4.00} Ted Overton ^{2.00} Vernon Mills Joe Horton ^{2.00}
^{2.00} Richard Cooke

1932
 Mch 31 Webber Lake & Webber Pk. rate
 Apr 3 T.J. Welch ^{12.00} ^{14.00} ^{18.00} ^{28.00} L.R. Brown ^{5.00} Same for
 ADA T. Lunsford ^{4.00} ^{8.00} ^{12.00} ^{18.00} J.M. Dixon ^{3.00} Cal. exc.
 Sunway made Apr. 1 (both Courses) T.J.W.

No Snow Course inspection
 trips taken after 5 Sunways
 of Spring until Boca, see below.

Nov. 27 Phil Cowgill & H.B. inspected
 Boca Snow Course and layed out
 a new course with initial pt.
 Boca ^{4.00 ±}
 New Course a few hundred ft. from
 initial pt of old course and
 50 to 70 ft. higher.
 This was a volunteer trip
 no charge. Some clearing
 was done on old course.

- 2/14 T.C.J. Bob Harkness took a few samples, one near Simmonds house and about six along Golf Course on request of Dr. Church
- 2/26 Boca & Trk Phil Corgill, W.E. Best, R. Best & L. Dellamonica Sampled Boca No. 1 Boca No. 2 and Truckee No 2 Courses. (P.S.C. 68 miles auto).
- Carson Courses surveyed by Horace Barnett & R. Koenig (all pd. for by Calif.)
- Mch 24 C.W. Fulton & Apr. 3 Incl Surveyed East Walker Courses except Willow flat. flat
- Mch 29 W.A. Simmonds & G.E. Harkness Surveyed Tahoe City Courses
-
- No Appropriation for Snow Surveys made by Nev. Legislature Feb. - Mch. 1933
- Mch. 29^{Wed} Fred Herz - Walter Herz & Arnold Wessitch
Apr. 2^{Incl} Surveyed South Tahoe region.
- Mch. 30 Thurs. W.A. Simmonds & G.E. Harkness Surveyed Tahoe City Snow Courses
- Mch 30 T.J. Walsh, T. Lunsford, J.M. Dixon
Apr. 2 F.W. Gaennie^(S.P.P.Co) Surveyed Webber Courses
- Mch 30 G.E. Harkness & A.C. Delbo Surveyed Ward Creek Courses.
- Mch 31 G.E.H. & A.C.D. Surv. Rubicon P.K.
- Mch. 31 A.J. Shaver, L.R. Brown, James Crawford
Apr. 2 & Wayne Poulson^(no pay) Surv. Big Meadows
- Apr. 1-2 Fred Small, Vernon Armstrong, Kistler Rivers,
MT Rose Forest Bitt, Grant Rice^(visitor) Surv. MT. Rose.
- Apr. 1 W.H. Duest & Mrs. Surv. Marlette Courses
- Mch. 30 Thurs. P.S. Corgill, W.E. Best, L. Dellamonica
(R. Best, & Stanley Martin) S.P.P. Surveyed Granite Peak Snow Courses
(P.S.C. 26 miles auto & Bk \$120^{monarch Cafe})
- Mch. 31 Fri. P.S. Corgill, Albert Nichols, [Jess Maxson, S.P.P.Co.]
Dano Giovannoni (S.P.P.Co) & J.J. Ferrari^{visitor} Surveyed Boca & Truckee courses.
P.S.C. 68 miles auto

Feb. 9 Rec'd from H.M. Stafford (via J.E.Ch.)
or 10 Snow survey* results obtained
1934 by P.G. & E. for various watersheds.
late in Jan.

1934

Mch 3 Mr. Simmonds Surveyed Golf & Tavern
Courses Tahoe City
means $15.7 - 1365 - 6.9$ or 44.9% ^{Seasonal Norm.} $\frac{6.9}{15.9} = 43.4\%$

Mch 4 P.S. Congill & family surveyed
Boca & Truckee Courses
mileage 67 - no meals charged

Mch 4 W.H. Dust made a complete
survey of all 3 ~~market~~
Courses.

Mch 7 Preliminary forecast issued
Trk at Iceland - Tahoe
 $140,000$ Aft = 43% of Norm.
Tahoe elevation 6224.0
Carson at Clifton $67,000$ Aft.
= 29.1% of Norm

Mch 30 C.W. Fulton & asst. (who?) surveyed
Center Mt. Courses

" 31 Buckeye Forks & Buckeye Roughs
Surveyed by C.W.F. & asst.

1934

Mch 30 F. Kistler Rivers, Frank Rice, Neil Platt
& 31 Made S.S. M + Rose
M. T. Rose

April 1 No snow on Tahoe City Courses

Mch 30 Fred Herz, Walter Herz & Tom Welsh
made S.S. South Tahoe Courses
Tahoe South
Mch 30 - Apr. 1 incl. Total time
Fred Cunningham went as an extra
without pay ex. car mileage (160)
Drove nearly to Glenn Alpine and
clear up to Fred Cabin.

Mch 31 Phil Congill - Wayne Poulson &
Jim Crawford Surveyed
Big M.
Big Meadows

Mch 31 A. J. Shover, L.R. Brown &
& Apr 1 Junius Dixon Surveyed
Webber
Webber Lake & Webber Pk. Snow
courses

Apr 2 P.S.C. & Wife Surveyed Boca
Boca
& Truckee #2 (no snow)
Trk #2

1934

Apr 3 Vernon Armstrong & Walter Herz
surveyed Granite Peak S. C.

Apr 1 W. H. Dust Surveyed Marlette
Lake Courses

April 2 G. E. (Bob) Harkness & A. C. Dalbo
surveyed Rubicon Peak Courses

April 3 Harkness & Dalbo surveyed
Ward Creek Courses

Results rec'd from H. M. Stafford
Sacramento for Yuba -
American - Mokelumne &
Stanislaus

Feb 26 Summit & Carson Pass S. S.
" 31 Blue Lakes S. S.

1934

Soda Springs
Truck
Tahoe Cy

April precip ^{very} was "low."

May " " about normal

June " " unusually high

" 3.35" or +2.74 at Soda Springs

" 1.97" " +1.36 " Tahoe Cy

" 1.71 " +1.10 " Truckee

July - zero -

1934 Pumping from Tahoe started July 12.

Sept 23 Fall Precip. started with rain (and snow on Summit and higher altitudes Sept. 23 (Sunday)

Tahoe's Level May Reach New Low This Winter

Lake Tahoe's level may reach a record low point this winter, it was predicted today by H. C. Dukes, federal watermaster here. Water is still being pumped from the lake at the rate of fifty cubic feet each second, and the water line is now about ten inches below the rim.

For the last two weeks, the lake has been falling at the rate of one-hundredth of a foot daily. On October 9 the level stood at 6221.15 feet above sea level, while the rim is 6223 feet. The lowest point recorded in forty years was 6221.79 feet, reached on December 8, 1931.

Dukes believes that the lake level will go below the 1931 low point unless there should be heavy storms early in the season.

Lake reached min of 6221.74 on Dec 26/34, lowest of Record though it had been lower before Records kept. 6221.79 Dec. 8-1931

10/12/34

1934 Sept - Oct & Nov. precip was above normal Nov. being 9.5" or +5.4 for Soda Springs Dec. was below normal at all. 3
S. Sprng.
T. C. J.
T. C. J.
Snow in Mts
Rain .. lower alt.

1935 Jan precip about normal, 9.5" for at Tahoe & +2.65 at T. C. J.
S. Sprng.
T. C. J.
T. C. J.
Feb. very low at all.
mch a little higher, at S. Sprngs
April very high (see later pg. 77)

Progress S.S. 1935

1935

Results rec'd from H.M. Stafford

- Jan 24 Carson Pass surveyed
 " 28 Summit & Soda Springs
 " 29 Fordyce Lake
 " 30 Blue Lakes & Furnace Flat
- Jan 31 W.H. Dust took 10 samples from course 1 & 6 from Course 2 at Marlette Lake.
 → (Requested to take \$2⁰⁰ worth.)
- Feb 1 W.A. Simmonds took 12 samples each from both Golf & Tavern Courses
 → Requested to take \$2⁰⁰ worth.
- Feb 27 Summit & Soda Springs surveyed by P.G.&E employees
 " 23 Carson Pass } surveyed by P.G.&E
 " 28 Blue Lakes } employees
- March 2 Tahoe City (both courses) partially surveyed by W.A. Simmonds.
 " 2 Parts of courses 1 & 2 at Marlette Lake surveyed by W.H. Dust

1935

Mch 3

& Truckee No 2

Boca courses 1 & 2 surveyed completely by P.S. Congill
 Robert Best & Henry Smith
 Mileage (P.S.C.) 68 m.

Mch 9

3/6-10
incl

Buckeye Rough surveyed by Chas. W. Fulton & J.V. Mineard
 Left Bipt. morning 3/6 snowed in at Buckeye Crk cabin - returned to Bipt. 3/10 5 days
 5da for C.W.F. = 60⁰⁰ 20 1/4 hrs = \$15.19 ^{or \$15.19 for S.V.M.}

3/27

C.W. Fulton & J.V. Mineard surveyed Ctr Mt.
 3/29, Buckeye Forks & BK. Rough 3/30.
 repeated next page (76)

3/28-29

Mt. Rose

Kistler Rivers - Neil Plath - Grant Rice - Darrell Cain Visitor
 made S.S. of Mt. Rose courses. 40 miles
 KR

3/26

3/30

Carson Pass S.S. } from H.M. Stafford
 Blue Lakes S.S. }

(Last week in Mch)

Tioga Pass region S.S. from H.M. S.
 or E.I. Bulpitt.

76 1935-

77

Mch 29/31 Fred Herz,

Surv. Hogan's Meadows, Fred Bench +
upper Trk. 3/29 -- Doggetts Pass 3/30 -
Lake Lucile 3/313/29-30 Chas Fulton,
Surv. Center Mt. 3/29 -- Buckeye Forks
& Buckeye Roughs 3/303/30 P.S. Congill,
Surv. Boca & Truckee No 2 3/303/30 Jim Crawford
Surv. Big
Meadows Mch 303/31 P.S. Congill,
Surv. Granite
Peak 3/313/31 -
4/1 A.J. Shaver, J. Dixon & Edna
Survayed Webber Lake 3/31 &
Webber Peak 4/1.3/31 G.E. (Bob) Harkness & A.C. Delbo
Survayed Rubicon Peak 3/313/31 W.H. Dust, Survayed Marlette
Lake 3/31

4/1 P.B. & E. Surv Lake Fordyce

4/1 W.A. Simmonds Survayed
Tahoe City Courses 4/1

9/25/66

1937

~~mt. Range~~

V. A. 2 d @ 7.5-

15-00

Walter Herz "

15-00

Earl D. Thorburn "

15-00

Marking + Clearing
S. C. S.P.D. by U.S. B. Agr. Eng.
in paid reimbursement for
5000 ft d (contract) forAm Geo Phys Univ reprints
of U.S. papers at Denver.

- Mch 29/31 Fred Herz,
Surv. Hogan's Meadows, Freul Bench +
upper Trk. 3/29 -- Doggetts Pass 3/30
Lake Lucile 3/31
- 3/29-30 Chas Fulton,
Surv. Center Mt. 3/29 -- Buckeye Forks
& Buckeye Roughs 3/30
- 3/30 P.S. Cowgill,
Surv. Boca & Truckee No 2 3/30
- 3/30 Jim Crawford
Surv. Big
Meadows Mch 30
- 3/31 P.S. Cowgill,
Surv. Granite
Peak 3/31
- 3/31-
4/1 A.J. Shaver, J. Dixon & Gaianne
Surveyed Webber Lake 3/31 &
Webber Peak 4/1.
- 3/31 G.E. (Bot) Harkness & A.C. Delbo
Surveyed Rubicon Peak 3/31
- 3/31 W.H. Dust, Surveyed Marlette
Lake 3/31
- 4/1 P.G. & E. Surv Lake Fordyce
- 4/1 W.A. Simmonds Surveyed
Tahoe City Courses 4/1

- 1935- — Later Surveys —
- April Heavy snow fall occurred
April 2 - 9 inch and another
fair snow storm came
April 13 - 16 inch
- Apr 29 - 30 { 1.05 at S.S. Keys
.27 " Trk
.27 " T. Cy.
- 4/9 Summit & Soda Springs P.G. & E.
- 4/11 Lake Fordyce
- 4-11 Bob Harkness & A.C. Delbo Surveyed
Ward Creek
- 4-12 W.A. Simmonds Surveyed Tahoe
City courses
- 4-12 W.H. Dust Surveyed Marlette
Lake courses
- 4-12 C.W. Fulton. Surveyed
Sonora Pass courses
- 4-17 G.E. Harkness & A.C. Delbo Surveyed
Rubicon Peak
- 4-20 P.G. & E. Surveyed Blue Lakes
- 4-20 Rhinodollar Lake Surv
- 4-26 Carson Pass surveyed
- 4-30 Blue Lakes Surveyed

78
1935-55 Paid for by
New. Emergency Relief Administration
from Drought Relief funds.

— 1936 —

- Jan 24 Carson Pass Surveyed by P.S. & E.
- 1-28 Summit & Soda Springs S. by P.S. & E.
- 1-29 Fordyce Lake S. by P.S. & E.
- +
- 1-31 Blue Lakes S. by P.S. & E.

- 1-31 W.A. Simmonds Sum. Tahoe City
Courses (1/2 complete) 5.00 #

- 2-18 Summit & Soda Springs S. by P.S. & E.
- 2-27 Carson Pass S. by P.S. & E.
- 2-28 Soda Springs S by P.S. & E.
- 2-29 Summit & Fordyce " " "
- 2-29 Blue Lakes S. " " "

- 3-1 W.A. Simmonds S. T. Cy Courses
1/2 Total 5.00 #

- 3-1 Phil Congill - Robert Best & ^{asst. Harry} ~~John~~
Sawyer (holter) S. Boca & Trk #2
68 miles (P.S.C) car.

- 3/29 A. J. Shaver -
8/3/1 Surveyed Modette
Lake Courses

- 1936 -

Practically no precip in
Central Sierra in March
until mch 28-31

Very heavy winds mch 28
29- & 31 heaviest Sunday
mch 29 some snow in Mts.
mch 28-31

3/27 Fred Herz - Tom Welsh - Walter Herz
& Fred Cunningham ^(Chauf) Surveyed
Hagan's Meadows - Freel Bench &
Upper Truckee courses and on

3/28, Daggett's Pass.

Too stormy to go to Lucile (Home 3/29)

4/2-4 Second trip, to Lucile April
2 - sat. 4/3 & ret. 4/4.

same
party

snowed all day while making survey
of Lucile course
Fallon h. reached Lucile
5 a.m. 11 a.m.
ret to Fallon h. 7 P.M.

3/28 Bob Best; Harry Sawyer - Geo. Francis &
Leo ~~Bill~~ Foster surveyed Boca
& Truckee No 2

3/29 Bob Best - Bob Hansen Harry Sawyer &
Earl Thorburn surveyed
Granite Peak

1936

3/28 & 3/30 Neil Plath - Carl Elges
H. Plath & Bud Beasley Surveyed
Contact Pass (Mt. Rose) course
Too stormy to reach courses
1 & 2

4/7 Neil Plath, Harry Plath &
E.E. Lloyd surveyed courses 1 &
2 Y one day round trip.
Mt Rose

3/25 P.G. & E. employees (Anderson & Terry) surveyed
Lake Fordyce course.

3/27 same parties sur. Soda Springs
and Summit courses

3/28 G.E. Harkness & A.C. Delbo surveyed
Rubicon Peak courses

3/28 Big Meadow course surveyed by
J.W. (Jim) Crawford and party:
Wayne Poulsen - Dick Sauer
Ed Parmenter - Mark Sheldon
M.S. (visitor) Car. - Mrs. Frank Sheldon
40 miles 2 round trips to Dutch Louis
& picking up crew & returning them home

noon
3/29
3/27

3/27-4/2 C.W. Fulton & Bob Bell surveyed
East Walker courses - BK Forks 3/29 & 31
Center Mt. 4/1 & BK Roughs 4/2
Did not make trip to W. Walker

now
survey
added

- 4/1 Earl Wise surveyed Marlette Snow Courses.
- 4/5 W.A. Simmonds surveyed Tahoe City Courses
- 4/6 G.E. Harkness & A.C. Delbo surveyed Ward Creek course

DUNDERBERG PEAK COURSE

- 4/10/36 C.W. Fulton surveyed new course near Dunderberg Peak, on Virginia Creek, 2 M. W of Conway Sum. 2 cs. of 10 samples each

	Dp.	Density	W.C.		
4/10/36	105.8	45.9	48.6	Good	cores
again 5/11/36 same	52.2	56.8	297	"	"

- Dec 15/17 1.28 precip at T. cy. & 1.37 Truckee
- Dec 25 First considerable snow of winter 2.95 precip T. cy. & 3.49 Truckee ^{12/24-31}

Total and nearly 3' at T. cy
& at Soda Springs

1937	S.S. measurements		Dp.	Core	W.C.	%
(Dec 31/36)	T. cy.	a few random W.A.S.	33		4.0	
Jan 8/37	"	" " " " "	33		8.0	
Jan 12	Marlette	3 (each cs) Wise	38.25	37	9.8	
"	"	"	34.6	35	7.3	
"	"	"	31.8	29.8	8.0	
"	"	"	35.57	33.9	8.37	
" 6	Soda Springs	avg of 3 samples # 2 (Paget)	18.2	50.3	50	9.2 21.9
" "	Summit (Key)	mean of 8 samples	20.4	45.7	43.8	9.3 19.5

- Jan 31 Blue Lakes by P.G. & E. employees
- Jan 26 Carson Pass " " "

Feb. 1 complete survey at Marlette Earl (H.E.) Wise

- Feb 2-5 surveys by P.G. & E. at Summit Soda Springs and other So. Yuba courses
- Feb 8 complete survey at Tahoe City courses by W.A. Simmonds & Ida S.

1937

Feb 10 Bob Harkness & L Lewis
went to Ward Creek but
failed to complete a survey

Feb 8 Cisco ^{Flat} ~~Sum.~~ by P.G. & E.

" 9 Soda Springs " " ^{last fall}

" 12 a new course ^{located} ~~was~~ surveyed
by Forest Service named
Huysink about 2 miles from
Cisco Ranger Station

South
Tuba

Feb 26 Blue Lakes surveyed by
N. L. Green (P.G. & E.)

Feb 27 Daggett's Pass surveyed &

" 28 Hagans Meadows, Fossil Bench
& Upper Truckee surveyed
by Fred Herz - Walter Herz
& Oliver Kistler
F.H. 2d @ 10° W.H. 2 @ 7.5° O.K. 2d @ 5.0°

South
Tahoe

Feb 27 Webber Lake & 2/28 Webber Peak
28 surveyed by

L.R. Brown - Chas. Doherty & Robert Best
2 @ 10° 4 da @ 3.5° 6 4d @ 7.5°
Bal. S.P.P. Co. Time

Webber

Mar 2

1937

Feb 28
3-1

Independance Creek surveyed 2/28
" Lake " 3/1

Page Hen Creek " 3/2

by P.S. Conzill 2d @ 10° (Bal. S.P.P. Co. Time)

P.J. McCall 5d @ 7.5° (S.P.P. man @ hourly rate)

Chas. Wheeler Jr. 5 @ 3.5° student

Mar 4 Ward Creek surveyed by Bob
Harkness & C.S. Martin

Mar 6
Boca
Truckee

Phil Conzill, P.J. McCall, Henry Lang
& Ben Cardinal surveyed Boca
& Truckee #2 Courses.

South
Tuba

P.G. & E. Surveys

	Date		
Summit	2/24	94.9 dp	37.9 ws.
"	3/3	92.9	39.2
Soda Sprigs	2/24	82.0	35.2
" "	3/3	85.4	34.2
Fordyce Lk.	3/1	93.6	40.3
Furnace Flat	3/2	102.4	43.5
Carson Pass	2/22	99.3	37.2

Walker
3/8

Dunderberg Peak by CW Fulton
mean 101.0" dp | 49.9% dens | 50.4 W.C.
(see pg 82)

1937

Finances

Nev. Coop S.S. paid Mch. '37
 \$124⁸³ on acct. lbr. bill for
 part of mtl. for a cabin in
 Elko Co. Constr. by Forest
 Service for Snow Survey Shelter.
 H.L. Bartlett Lbr. Co S. Elko
 Bal of bill, \$150, to be paid by
 State Engr. A.M. Smith of
 U.S. B. & Eng. This \$124 is to be made up
 to Nev. Coop. S.S. by U.S. B. & Eng.
 in pay roll expenses of
 S.S. this season

also } 55⁰⁰ Spent for Web S. Sheet for Humboldt

U.S. U.S. Bureau ^{Recd.} is also to contribute
 B. Rec. in pay roll costs \$185
 for this season's (?) S.S.
 through L.J. Foster

1937

Sat. 3/27 P.S. Cowgill 1 D @ 10⁰⁰
 P. J. McCall 1 A @ 7⁵⁰
 C. S. Martin S.P.P. (6 day work) man
 Surveyed Boda & Truckee No 2

Mch. 30/31 Blue Lakes Surveyed by N.L. Green
 P.G. & E.

Apr. 1 Tahoe City courses surveyed by
 W.A. Simmonds & Ida S. Simmonds

1938

① means New Coop S.S.

- Jan 24 → Carson Pass - Surveyed by P.G. & E.
 Jan 26 } Summit - Soda Springs & Summ.
 Jan 28 } by P.G. & E.
 → 1/24 C.P. Blue Lakes ^{& Carson Pass} Surveyed by
 & 1/29 B.L. P.G. & E., H.L. Green & Marklevick
- Jan 28 Start of big protracted storm
 begining as rain at Summit
 region + changing to snow

- Feb 6 ① Marlette Lake Snow Cs. Surveyed by
 (kull in storm) Earl Wise (alone) 10⁰⁰
 22.3% Dens 52.2% 4/N
- 2/21 ① Tahoe City Cs. Surveyed by) 10⁰⁰
 after W.A. Simmonds & Mrs ^{Ida S.} Simmonds
 heavy Rapid Settlement (31% Dens) 145.3% 4/N
 storm (23.1" W.C.)
- 2/26/27 ① Marlette Cs Snow by P.S. Sargill, Carl Edges
 & Earl Wise 10⁰⁰ (2)
- 2/28 Raining today ^{S.F.} Calif + Summit
 " evening in Reno
- 2/26-27 Webber Lake & Peak Surveyed by L.R. Brown
 ① Ray Walts. & Fraser West
- 2/22 Carson Pass Surveyed 2/22 } P.G. & E.
 2/28 & Blue Lakes " 2/28 }

1938

2/27-28 Doggetts Pass - Upper Truckee - Freese Ranch
(N) & Hogan's Meadow, Surveyed by Walter Heng
Tim Wilson & Jack Stanatt

2/27-28 Independence Crk. ^{2/27} Independence Lake ^{2/28}
& Sage Hen Crk. ^{3/1} surveyed by
(N) Phil McCall, Chas Wheeler &
Donald Fanning

2/28 Summit & Soda Springs Surveyed ^{2/28}
3/4 Fordyce Lake Surv. ^{3/4} all by P & E.

3/5/38 Boca & Truckee Surveyed by P.S. Congill
(N) Carl Elges & Floyd Hand

3/1-3 3.5+ inches precip at Soda Springs

3/4-9 Light precip. abt .2" total (S.S.P)

3/11 Raining in Reno

3/12-13 Snowing in Sierras

Mono Basin

3/29/30 Dana Meadows S.S. by

1938

(N) = Nev. Coop S.S.

3/31-4/3 Webber Peak & W. Lake Surveyed by
(N) L.R. Brown - Ray Walto & Fraser West
Chas Dunn at Web Lake, boarded party.

South Yuba

3/29 Soda Springs, ^{3/30} Fordyce Lk. & ^{3/31} Furnace Flat

Little Truckee

4/1-6 Ind. Lk. - Ind Crk. & Sage Hen Crk. S.S.
(N) made by P.J. McCall - Fred Hughes (T.H.)
& Leo Foster

Apr. 5 Granite Pk S.S. made by Robert Best, ^{10.00}
(N) Hal Lang & Pete Gusto ^{7.50} ^{3.50}

4/2-3 Big Meadows S.S. made by Jim Crawford ^{10.00}
(N) Ed Parmenter & Dick Sauer. ^{7.50} ^{5.00}
Don Fanning an Xtra (not under pay)

4/2-3 Mt Rose S.S. made by Earl Thorburn, ^{10.00}
(N) Vernon D.A. Mering & Fred W. Steiner ^{7.50}

4/8 Boca & Truckee S.S. made by
(N) Philip S. Congill, Walter ^{10.00} Elkins &
Herbert Wimer. ^{3.50}

4/1 Tahoe City S.S. made by P.S. Congill ^{10.00}
(N) W.A. Simmonds & Mrs. Simmonds ^{5.00} ^{5.00}

4/2-3 Ward Crk. & Rubins Peak S.S. ^{10.00}
(N) made by Philip S. Congill ^{10.00} C.S. Martin
& W.V. Kirkman ^{3.50}

1938

3/30-4/3 South Tahoe S.S. made by Walter J. Herz ^{10.00}
 (N) Fred Cunningham, ^{7.50} Tim Wilson ^{5.99} & Chas Merrill ^{5.20}

Carson Basin -

~~3/29 Soda Springs S.S. 3/30 Fordyaak & 3/31 Farnes Flat~~
 3/29 Carson Pass & 3/31 Blue Lakes
 by P.G. & E. employees

4/6-13 East Walker S.S. Buckeye made by
 (N) J.W. (Jim) Crawford ^{10.00} & Merrick F. Bryant ^{7.50}

4/17 Dunderberg P.K. S.S. by Chas. Fulton & Bryant
 (N)

4/17-22 West Walker S.S. by Jim Crawford ^{10.00}
 (N) & Merrick F. Bryant ^{7.50} (under + dr.)
 → (Very wet. S.S.'s had to strip + wash one crack
 to avoid having to travel in wet clothes)

4/3 Marlette Lake S.S. made by Earl Wise
 (N) & Mrs. Wise

Sept. 27^{W.} Jim Crawford with ^{East of} M^m J. Steiner went to West Walker for cleaning & re-marking S. Courses
 Oct 2^M Hiked from Buckeye meadows to Buck-Forks (Cannex) Used horses (furnished by Cannex Louis) from near Fales Hot Spng. to Willow Flat.

Oct 29[±] Jim Crawford & Lee Lloyd cleared Big Meadow S. Course

Dec 21 Pd. L.V. Redfield 10.00 rental for Site of Hunter Lake Cabin for year July 1/39 - June 30/40

Nov. 5 E. D. Thorburn - F.W. Meyers F.W. Steiner Stocking Mt. Rose 9000 cabin & clearing S. Course

Nov - Dec Walter J. Harg made several trips to Daggetts Pass clearing & re-marking S. Course

Fall Precip Sept & Oct. 1939, above normal in precipitation but Nov. & Dec. Very deficient. (See Pg. 106)

1940

Jan 26/39 Forst Service Ski School at Galena Creek. Cal Elges & Fred Paget (ca) gave instruction in Snow Surveying.

Feb 1 W.A. Simmonds & wife made survey at Tahoe City.

" Earl Wisl (& wife) made S. survey at Marlette Lake

2/1-2 Walter J. Harg ^{@ 10.00} - Tim Wilson ^{@ 7.50} & Harlow Magnusson ^(Fred Smith) made survey of Glenbrook Daggetts Pass & Richardsons 31 & W.J. Harg surveyed upper Truckee 2/2 alone after Tim Wilson was injured by dislocation of shoulder.

(Injury Tim Wilson)

2/8-9/40 L.R. Brown ^{1 da 10.00} Clifton Prussia ^{3 da @ 7.50} & Prescott Wilson ^{3d @ 5.00} surveyed Ind. Lake - Ind. Crk. & Sage Hen Creek courses

2/8/40 C.S. Martin ^{@ 7.50}, on SPR Co. Tim, & Frank Giovanni surveyed Ward Creek S. Courses

1/30-31 So. Yuba Courses by P.B. & E.
 1/27 & 31 Carson Pass & Blue Mt " " " "

1940

- 2/29 Blue Lakes by N.L. Green (P.G. & E)
 3/1 Carson Pass - 4
- 3/1 Marlette Lake S.S. by Earl Wise & Wife
- 3/1 Tahoe City S.S. by W.A. Simmonds & Wife
- 3/2 P.S. Conjill^{10.00} & Arthur Atkins^{7.50} S.S.
 Boca & Truckee No 2.
- 3/2-3 So. Tahoe { Glenbrook - Bog. Pass - Richardson's
 Upper T.K. & Frenal Beach
 W.J. Herz^{@10} - H.J. Marshall^{@7.50}
 Donald & Mac Bean & Walter Puhm & U.S. For. S.
- 3/3 Ward Creek - C.S. Martin^{@10.00}
 Frank Giorannoni^{@7.50} & Garyo Gini^{@5.00}
- 3/2-5 Little T.K. { 1nd. Lake & Sagehan Ck
 " Ck
 Clifton Prussia^{@10.00} Robert Greing^{@7.50}
 & J.C. Hart^{@5.00} (4 Days)

Storm

- 3/24 - Some rain & snow in high alt. started
 Sunday - Rain in Reno 3/26 P.M.
- Walker S.S. planned to start 3/27 -
 delayed because of storm
 Carl Elges & Jim Crawford
 They started for West Walker early
 3/28, Thursday. -
 Storm continued intermittently 3/31
 in central Sierra thru Sat clearing Sunday

Winter Precip. (see bot of pg 102 for Fall precip)
 1939/40 Jan - Feb & Mch. was high,
 so that combined Dec '39 - Mch. '40
 precip was from 158% to 179%
 of Normal at T. Cy - Turk - Sod Spr.
 Bowman Dam - Spaulding Dam & Blue Can.
 Much of this was rain in Jan,
 and late March - more than
 enough to account for combined
 excess ^(+ Normal) winter R.O. and excess
 of Apr. - July R.O. above that forecast.

Ground Storage given off in
 Spring
 Fols River

1941

- 1/10-11 Summit & Soda Sprgs S.S. ^{B. Eddy & P. Bilderback}
 8" Key" courses by P. G. & E.
- 1/11 Tahoe City $\frac{1}{2}$ (100' spay) S.S.
 made of both courses by
 W.A. Simmonds & wife (3-00 total)
- 1/12 ¹⁰⁰⁰ P.S. Congill & R.P. Marsan made
 500 S.S. of Truckee #2

- 1/29/41 Carson Pass S.S. by C. Hillhouse & F.E. Singleton ^{P.G. & E.}
- 1/31 Blue Lakes S.S. by N.L. Green (P.G. & E.)

- 1/29-1/31 So. Yuba Courses Surveyed by P.G. & E.
 B. Eddy & A. Chase

- Jan 31 Independence S. courses Surveyed
 Feb 2 by P.S. Congill, Jack Hart & Bob Marsan

- Feb 1-2 So. Tahoe S.S. made by
 Walter Harg, Jess Maxson & Ray Waltz

- Feb. 1 Marlette S.S. made by Earl Wise & wife

- Feb 2 Tahoe City ^{complete} S.S. made by W.A. Simmonds
 & wife.

- Feb. 1 Ward Creek S.S. made by C.S. Martin
 K. Keilhoffer & Paul Crandall

- Feb 3 Boca & Trk # 2 S.S. by P.S. Congill
 & R.P. Marsan

1941

- 3/5 Sage Hen Cr. - 9nd. Camp S.S.
- 3/6 9nd. Lake - 3/7 9nd. Creek
 3/8 home. Jack Hart - Frank Giouvannoni
 & Harold Johnson

- 3/2 Boca - Truckee - P.S. Congill & J.C. Hart

- 3/3 Summit & Soda Sprgs } P.G. & E. (So. Yuba
 3/5 Furnace Flat } B. Eddy &
 3/6 Fordyce Lake } A. Chase

- 3/6 Tahoe City S.S. by W.A. & Ida S. Simmonds

- 3/1 Marlette Lake S.S. by Earl Wise & wife

- 3/8 Ward Creek S.S. by C.S. Martin & K. Keilhoffer
 & Paul Crandall

- 3/1 Fossil Bench - Upper Trk & Richardson's
 3/2 Doggett's Pass & Glenbrook S.S.
 by Walter Harg - Ray Waltz & John Cooper.

- 2/26 Carson Pass S.S. by C. Hillhouse & F.E. Singleton
- 3/5- Blue Lakes S.S. by N.L. Green

April 1st S.S. (P.G. & E.)

- 1941
- 3/27 Furnace Flat by B. Eddy & A. Chase
 3/25 Lake Fordyce " " "
 3/28 Soda Springs " " "
 3/28-31 Summit " " "
- 4/8 - Webber Pk & W. Lake by P. Bossuto & A. Monahan
 & Harold
- 3/30 Ind. Lake by Jack Hart, Frank Giannoni, Johnson
 3/30 " Camp " " Chief. " " "
 3/31 " Creek " " " " " "
 3/29 Sagatan Ck. " " " " " "
- 3/30 Granite Pk by Bob Haukan, Melvin Proctor, Harry Jones
 3/28 Big Meadows " D.G. MacBean & W. Puhlin, Forster
 also Al Nichols & G. Eldredge along no fort trip
- 3/29 Mt Rose by Earl Thorburn
 4/30 Fred Steiner & Ray McCarthy
- 3/29 Boca & Trk #2 by P.S. Congill and Prof Wagner's Hydrology Class
- 3/31 Tahoe Cy. by W.A. & Ida S. Simmonds
 4/1 Marlette Lk. by Mr & Mrs Earl Wise
- 3/29 Ward Ck by C.S. Martin Paul Crandall & Fred Hughes
 3/30 Rubicon Pk #1-2&3 " " "
- 3/29 Glanbrook & Dag Pass by ch. Fred & W.L. Herz & Ray Walter
 3/30 Hogan's Mead. - Fred Bend & Upper Trk Same Party "
 3/31 Richardsons Same Party "
 4/1 Lake Lucile " "

- 1941
- 3/31 Blue Lakes by N.L. Green (P.G. & E.)
 4/1 Carson Pass by
- 3/28 Sonora Pass by M.F. Bryant & E.J. Alcorn (U.S. For. S.)
 3/27 Leavitt Meadow " " (Earl)
 3/29 Willow Flat " " "
 4/2 Center Mt. " " "
 4/1 Buckeye Forks " " "
 4/1 Buckeye Roughs " " "
 3/30 Dunderberg Peak " " "
- about May 1 - 1941 by P.G. & E.
- 4/30 Blue Lakes by N.L. Green showed 53.2" W.C. while 3/31 showed only 45.5" W.C. (+)
 5/2 Furn. Flat 54.9 & only 49.8, 3/27 (+)
 5/1 Fordyce Lk 41.9 " " 40.9, 3/25 +
 4/30 Soda Springs 35.0 " 41.3 - 3/28 (-)
 4/30 Summit 41.4 " 42.2 - 3/28 + 3/31 (+)

Fall
& Winter 1941-42

Oct. - Nov. '41 precipitation was a little below normal but Dec. was 9.96 or 5.3 above (W.B.) normal at Tahoe City. Much of this was rain even in the mts up to Dec 20+ and then heavy snow.

at }
T. City }
Jan. was +2.27" but Feb. below and March very much below normal.

Feb 1 ±

1942 S.S.

- Jan 31 Independence Snow Courses were surveyed by Frank Giovanni^{Ch.}
- Feb 2 Harold Johnson & Herbert Reynolds
- Jan 31 Phil Congill & Henry Jones surveyed Boca & Truckee No 2.
- So. Yuba B. Eddy & A Chase of P.G.&E.
- Jan 30 surveyed Summit & Soda Sprgs. & Lake Fordyce & Furnace Flat
- Feb 9 & 10
- Jan 31 Mr. & Mrs. Simmons surveyed Tahoe Cy. Courses
- Feb 1 Ward^{Ch.} Crk " surveyed by C.S. Martin, R.E. Hansen & E. Moffett
- Jan 7 & 8 Echo Summit surveyed by Fred Poget & R.E. Dasmann
- So. Glenbrook - Daggetts Pass & Richardson S. Jan 31 & Fred Bench & Upper Truckee S. Feb 1 & Feb 1 by Walter Herz - Ray McCarthy & Robert Wolfe
- Jan 29 Carson Pass S. by G McKinnon & C. Hillhouse^{Ch.} (P.G.&E.)
- Jan 31 Blue Lakes S. by N.L. Green^{P.G.&E.}

Mch 1#

- Feb 28 Independence courses surveyed
Mch 2 by Frank Giovannoni, Harold Johnson
& Herbert Reynolds.
- Feb 28 Boca & Trk No 2 Surveyed by Phil
Cowgill & Hank Jones.
- Feb 23 Tahoe City Courses surveyed by
Mr. & Mrs. W.A. Simmonds
(Ida S.)
- Mch 1 Ward Creek Courses surveyed by
C.S. Martin, R. Hansen & E. Moffett
- Mch 3 Marlette Lake courses surveyed
by Walter Herz & Ray McCarthy
- Feb 28 Glenbrook & South Tahoe
Courses except Lucile surveyed
Mch 1 by Walter Herz - Ray McCarthy &
(?) Robert Wolfe
- Feb 28 Blue Lakes surveyed by N.L. Green P.G. & E.
- Feb 26 Carson Pass surveyed by C. Hillhouse
& J. McKinnon
- Feb 27 Donner Summit & Soda Springs
surveyed by Blair Eddy & A. Chase P.G. & E.
- Mch 3 Fordyce Lake & Furnace Flat surveyed
by B. Eddy & A. Chase
- Feb 25 Echo Summit surveyed by Fred Paget
McMahon & Dasmann
- Feb 24 Tioga Pass surveyed by
Sprack & Young

Apr. 1 ±

- Mch 28 Webber Pk & Hda S.S. made by P. Bosanko
& A.L. Monahan (Nav. Irrig Dist)
- Mch 28 Independence S.S. courses surveyed
- 30 by Frank Giovannoni - Harold Johnson
& Herbert Reynolds.
- Mch 28 Boca & Truckee No 2. C.S. surveyed
by Phil Cowgill - Art Kaufman & Harold
Diagler (Students). (U.N. Nav. asst Prof.)
- Mch. 26-27 Summit & Soda Spgs surveyed by
B. Eddy - A. Chase & Dr. E. Church
- Mch. 30-31 Lk. Fordyce & Furnace Flat surveyed by
B. Eddy & A. Chase (P.G. & E.)
- Apr. 1 Tahoe City surveyed by
- Mch 28 Granite Pk surveyed by R.E. Hansen
Henry Jones & Elwood Moffett
- Mch. 31 Big Meadows S., by D.G. McBean
N.J. Puhar & T.B. Blagatook (Tom For.)
- Mch 28-29 Mt. Rose S., by Earl D. Thorburn
Fred Heinen, & Tom Forman⁽²⁾
- Mch. 29 Ward Cr. S. by C.S. Martin,
R.B. Tommini & James Swanson
- April 1 Tahoe City S. by W.A. Simmonds
& Ida S. Simmonds
- Mch 28 Rubicon Pk 1-2 & 3. S. by C.S. Martin
R.B. Tommini & James Swanson
- Apr. 1 Marlette Lk S. by Earl Wise
& wife
- Mch 29 Little Valley S., by Phil Cowgill
Hank Jones & Elwood Moffett
- Mch 28-31 Glenbrook & South Tahoe
incl. Lucile, S. by Fred Herz
Ray McCarthy Bob Wolfe & Walter Herz.
(Tramp & Xpenses)

- Apr. 1 ±
- Feb 31 Blue Lakes S. by N.L. Green (P.S. & E.)
- March 27 Carson Pass S. by C. Hillhouse & S M^c Kinnon (P.S. & E.)
- Apr. 2 Poison Flat (E. Carson) S. by D.G. Mac Bean, E.B. Corporon & G.L. Eldridge
(Mons F.S.) (Pd. by Nev. C.S.S.)
- March 26 Echo Summit S. by R.E. Dasmann & Wife (So. Tahoe) by Calif.
- March 29 West Walker S. by Merrick F. Bryant
- Apr. 1 and A.W. Berryessa
- Apr. 5/4 East Walker S. by Merrick F. Bryant & A.W. Berryessa except Powderberg Peak where ^{asst. was} Howard Runnells
-
- March 26 Tioga Pass S. by Yongue & Richardson

Apr 29 Blue Lakes S.S. by N.L. Green

	(3/51)	Depth	W.C.	Dens	% of N.
Apr 1		77.5	40.0	41.0	83.2
(May 1 -)	29	96.6	41.3	42.8	85.9

Fall 1942

- October Precip below Normal (neglig.)
- Nov. Very heavy Precip.
Mostly rain below 7500 alt and snow in high alt.
Per Cent of Normal ranged from 194 at Blue Ca to 465 at Truckee & actual excess in inches 3.8 at Tamarack (Blue Lakes) 10.02 at Bonman Dam - 8.37 at Simaville 8.19 at Soda Springs - 7.12 at Truckee - 5.61 at Tahoe City - 7.09 at Twin Lakes 8.44 at Lake Eleanor.

- December Precip about 120% of Normal in central Sierra.
- Jan/43 also high - 135% of Normal at Tamarack to 239% at Marble Lake avg of 14 sta. being 175% of Normal
- Feb/43 Low -- 40% to 80%

Feb 1 ±

- 2/3 Furnace Flat S. by B. Eddy & A. Chase
- " Fordyce Lake S. " " "
- 2/2 Soda Sprgs Key S " " "
- " Summit Key C. S " " "
- 2/6 Indep. Camp C. S. by Frank Giarranoni & Donald Hersey
- 2/6 Indep. Crk. Cs. S. by P. S. Cowgill & Elwood Moffett
- 2/7 Sage Hen Ck. Cs. S by Giarranoni - Hersey Cowgill & Moffett
- 1/31 Boca #2 & Truckee #2 S. by R. E. Hansen Robert Craig & Don Hersey.
- 1/29 Glenbrook #2 Cs S. by Walter Herz, Ray McCarthy & Earle Thorburn
- 1/29 Daggett's Pass Co. S. by Same 3 H., McC & Th.
- 1/30 Upper Truckee Cs S. by " " " " "
- 1/30 Richardson's Cs. S. " " " " " "
- 2/1 Lake Lucile Cs. S " Same 3
- 2/3 Hagan's Meadows Cs S " " "
- 2/3 Freel Bench Cs S " " "
- 2/1 Tahoe City Cs. S by W.A. & Ida S. Simmonds
- 1/31 Ward Crk Cs attempted by Elwood B. Moffett & John Engle and Fred Heinen
- 2/6 Cs. Martin & James Swanson Surveyed
- Ward Crk. Cs. —
- 1/27 Echo Summit C.S. S. by Fred Paget McMahon & Henriksen
- 1/31 Blue Lakes S. by N. L. Green P.G. & E.
- 2/1 Carson Pass Co. S. by C. Hillhouse & G. McKinnon P.G. & E.

- 3/2 Furnace Flat S. by B. Eddy - A. Chase F. Paget & T. McMahon
- 3/3 Lake Fordyce S. by same 4
- 3/1 Soda Sprgs S. by B. Eddy - A. Chase & Fred Paget
- 3/1 Summit Key Course S by Same 3
- 2/28 Sage Hen Ck S. by P. S. Cowgill, Elwood Moffett - D. Hersey & Street
- 2/27 Boca #2 & Truckee #2 S. by P. S. Cowgill - E. Moffett & D. Hersey
- 3/1 Tahoe City Courses S by W.A. and Ida S. Simmonds.
- 2/28 Ward Crk. S. by C. S. Martin - J. Swanson & K. Starratt.
- 3/5 Marlette Lake S. by
- 2/28 Glenbrook #2 S. by Walter Herz - Ray McCarthy & Earle Thorburn
- 2/28 Daggett's Pass S. by same 3
- 3/1 Hagan's Meadow S. by Same 3
- 3/1 Freel Bench S. " " "
- 3/1 Upper Truckee S " " "
- 3/2 Richardson's S. " " "
- 3/3 Lake Lucile S. " " "
- 3/2 Echo Summit S. by Peter Bernickson & Harry Oakley (for Calif. Coop S.S.)
- 2/28 Blue Lakes S. by N. L. Green (P.G. & E)
- 3/1 Carson Pass S by C. Hillhouse & McKinnon
- 2/24 Tioga Pass S. by Youngue & Towell

April 1 ±

- 3/30 Furnace Flat S. by B. Eddy & A. Chase
 3/31 Fordyce Lake S. " Same 2 } P.G. & E.
 4/2 Soda Sprys S. " Same 2 }
 4/2 Summit S. " " " }
 3/25 Webber Peak S by Bosanko & Singasso
 3/27 Webber Lake S by " " &
 3/28 Independence Lake S by P.S. C. E. Thorburn Harry Street
 3/27 " Camp S. " Same 3
 3/27 " Creek S " " 3
 3/29 Sage Hen Creek S " " 3

- 3/28 Granite Peak S. by R.E. Hansen - Elwood
 Moffett & Don Hersey
 4/4 Big Meadows S. by P.S. Cargill - Glen R. Jones
 & Candler Lorenzby (Cons. Objeter)
 3/27 Boca No 2 S. by R.E. Hansen & Bob Craig
 3/27 Truckee No 2 S " Same 2
 3/27-28 Mt. Rose S. by F.W. Stainer Jr. Al Schorr & Jack Glynn
 4/1 Tahoe City S. by W.A. & Ida S. Simmonds
 3/28 Ward Ck S. by C.S. Martin J. Swanson &
 R. Tollefson
 4/4 Rubicon Peak # 1-2 & 3 S. by C.S. Martin
 J. Swanson, J Swanson & W^m Bachdolt
 4/1 Marlette Lake S. by Bud - Ches. & Roy King
 3/29 Glenbrook No 2 S. by W. Harg - Ray & L. Hill
 3/27 Daggett's Pass S. by Same 3 → McCarthy
 3/30 Hagan's Meadow S. by Same 3
 3/30 Free Bench S. " " 3
 3/30 Upper Truckee S. by " " 3
 3/31 Richardson S. " " 3
 3/28 Lake Lucile S " " "
 4/1 Echo Summit S by Harry Oakley &
 Peter Henriksen (Calif coop S.S.)

April 1 ± & May 1 ±

- 3/27 ~~Washoe Valley~~ - Little Valley S.
 by Elwood Moffett & Don Hersey
 (P.G. & E.)
 3/28 Carson Pass S. by Hillhouse & M. Kinnon
 3/31 Blue Lakes S. by N.L. Green (P.G. & E.)
 4/1 Poison Flat S. by D.G. MacBean, R.W.
 Gardner & A.P. Wood
 3/27 Sonora Pass S. by ^{Chk.} Brown - ^{L.B.} Hall & ^{S.A.} Williamson
 3/26 Leavitt Meadows S. by same 3
 3/29 Willow Flat S. by same 3
 3/30 Buckeye Roughs S " Flaccus - Pace & James
 3/31 Dunderberg Pk. S. by same 3 ↑
 4/1 Tioga Pass S.

May 1 ± S.S.

- 5/4 Furnace Flat S. by B. Eddy & A. Chase
 5/3 Fordyce Lake S. " " " "
 4/30 Soda Sprys & Summit S by same 2
 & Elwood Moffett
 5/2 Independence Lake S. by P.S. Cargill, R.E. Hansen
 R. Tollefson
 5/1 Ward Creek S. by C.S. Martin, J. Swanson &
 5/2 Rubicon Peak S. by same 3. →
 (Richard)
 5/1 Marlette Lake S. by Bud King & Chesting
 5/1 Glenbrook #2 S. by W. Harg & Roy McCarthy
 & Bartley
 5/1 Daggett's Pass, S. by W. Harg - Ray McCarthy
 5/4 Hagan's Meadow S. by Harg & McCarthy
 5/2 Lake Lucile S. by Harg, McCarthy & Bartley
 5/1 Echo Summit S. by Harry Oakley (Calif)
 4/29 Carson Pass S. by C. Hillhouse P.G. & E. (Calif)
 4/30 Blue Lakes S. by N.L. Green P.G. & E. (Calif)

That's all 1943

Good on Skis

122
Walker
Basin

Glen R. Jones
New Forest Ranger 1943
at Bridgeport (Calif) Ranger Sta

May 1 ± S.S. 1943

Course	Date	Depth	Dens.	W.C.	4/1 %N	Loss since 4/15	
						%N	inches
Furn Flat	5/4	44.6	55.4	24.7	41.9	35.7	21.1
Fordyce Lk.	5/3	22.6	53.1	12.0	23.5	54.5	27.8
Soda Springs	4/31	21.5	56.7	12.2	29.0	65.0	27.3
Downer Summit	4/30	31.2	53.2	16.6	34.7	51.3	24.5
Independ. Lk.	5/2	103.4	48.1	49.7	105.7	1.5	0.7
Ward Ck.	5/1	60.3	51.6	31.1	60.7	37.6	20.7
Rub. Pk 1	5/2	110.8	48.4	53.6	109.6	5.7	2.8
" " 2	"	44.6	57.2	25.5	70.8	33.6	12.1
" " 3	"	10.7	39.3	4.2	14.0	58.3	17.5
Marlette Lk.	5/1	46.5	50.5	23.5	84.5	38.5	10.7
Glenite #2	5/1	11.9	40.3	4.8	(24.0)	59.0	11.8
Dag. Pass	5/1	1.8	38.9	0.7	4.3	74.2	12.1
Hogans Meadi.	5/4	7.2	38.9	2.8	13.2	76.0	16.1
Lake Lucile	5/2	144.1	51.2	73.8	120.6	4.4	2.7
Echo Sum.	5/1	52.9	49.7	26.3	65.8	54.2	21.7
Chosen Pass	4/29	78.5	58.2	45.7			
Poor Summit much water in sample	"	73.2	49.3	36.1	75.2	31.0	14.9
Blue Lks	4/30	79.9	46.4	37.1	77.1	19.2	9.2

1944Feb 1 ±

- 2/788 Fordyce Lk S. by B. Eddy & A. Chase
 2/9 Furnace Flat S. " " " " "
 2/18811 Soda Springs S. " " " " "
 2/18811 Summit S. " " " " "
 1/29 Sage Hen Ck S. by P.S.C. & Giovanni
 1/29 Ward Ck S. by Martin Swanson & A. Scott
 1/31 T. Cy S. by W.A. & Ida Simmonds
 2/1 Blue Lakes S. by N.L. Green (P.S.C.E)
 2/5 Boca #2 S. by P.S.C. & Giovanni
 2/5 Turk #2 S. by " " "
 2/1 Marlette Lk S. by Earl Wise
 1/30 Echo Summit S. by Harry E. Oakley (Cal. S.S.)
 2/7 Carson Pass S. by Palmer H. Shaw
 & Joan "

March 1 ±

- 2/27 Independence Camp S. by Frank Giovanni
 & Kenneth Snider
~~2/27~~
 2/27 Indep. Lake S. by Frank Giovanni
 Kenneth Snider & Ralph Garcia
 2/26 Sage Hen Ck S. by same 3
 2/28 Indep. Ck S. by same 3 & A. Scott
 2/26 Ward Ck S. by C. Martin - J. Swanson
 3/2 & 5 Furnace Flat #1 S. by B. Eddy & A. Chase
 3/5 - Lake Fordyce S. " " " "
 3/1 Soda Spr. S. " " " "
 3/1 Donner Summit S. " " " " " Peace
 2/27 Turk #2 S. by Conqiel-Hayden
 2/27 Boca #2 S. by " " "
 3/2 Marlette Lake S. by Earl Wise
 3/2 Tahoe Cy S. by W.A. & Ida Simmonds
 2/27 Daggett Pass S. by W. Hays - Barkley & Gross
 2/28 Richardson - Upper Turk & Glenbrook #2 S. by same 3.

1944

March 1±.

- 2/28 Echo Summit S. by Oakley & Butler
 2/27 Carson Pass S. " H & Joan Palmer
 for names ↑ see Feb 1± (2/1/44)
 2/26 Tioga Pass S.

April 1±

- 3/30 Webber Pk & W. Lake S. by (?)
 4/1 Sage Hen Crk S. by P.S.C. & (?)
 4/2 Indep. Crk + Ind. Camp S. by same
 4/3 Indep Lake S by same
 3/31 Boca #2 S. by P.S. & F.M. Cougill
 4/1 Trk #2 S. by P.S.C. ^{Harold} Harold Holstrom
 3/31 Donner Lake S. by P.S. & F.M. Cougill
 4/2 Granite Pk. S. by R.E. Hansen ^{Harold} Holstrom
 4/8 Big Meadow S by Doll & Gardner
 4/8-9 Mt Rose S. by F.W. Stainer ^{E. Hilsabeck} R. Holdcraft.
 3/27 Furnace Flat S. by B. Eddy & A. Chase
 3/28 Fordyce Lake S " " " "
 Apr 1 Soda Sprgs. S " " " "
 3/31 & 4/1 Donner Summit S. by " " " "
- 3/30 Tahoe City S. by V.A. & Ida S. Simmonds
 4/1 Marlette Lake S. " Earl Wise
 4/1 Ward Creek S. by S.S. Martin ^{J. Swanson} A. Scott
 4/2 Rubicon Pk. 1 S by " " " "
 4/2 " " #2 " " " "
 4/2 " " #3 " " " "

- 3/31 Glenbrook #2 S. by Walt Heng & Gilbo Doll
 3/31 Doggett's Pass S. by Heng - Doll & Hill
 4/3 Upper Trk S by Heng - Hill & Bacien
 4/3 Freel Bench " " " "
 4/3 Hagens Mead. S. by same 3 ↑
 4/4 Richardson's " " " "
 4/4 " #2 S. " " "
 4/2 Little Valley S by Cougill + Hayden
 3/30 Echo Summit S. by Heng Oakley ^{Roy} & Butler
 3/30 Carson Pass S. by ~~H.~~ Palmer # & Joan Shaw
 4/1 Blue Lakes S by N.L. Green
 3/31 Poison Flat S " R.W. Gardner & A.P. Wood
 3/29 Sonora Pass S. by G.R. Jones & Dave Marshall
 3/28 Leavitt Mead S " " " "
 3/31 Willow Flat S " " " "
 4/6 Center Mt. S by Jones-Marshall & J. Brown
 4/5 Buckeye Fork S " " " "
 4/5 " Roughs S " " " " Joe Brown
 4/8 Dunderberg Pt. S by " " " " "
 3/29 Tioga Pass S. by Tish & Yongue

1944

May 1 ±

- Apr 30 Independence Lake S. by P.S. & F.M. Congill
 " 29 " camp S. by same
 May 1 " creek S. by P.S. & F.M. Congill
 May 2 Furnace Flat S. by B. Eddy & A. Chase
 " 2 Fordyce Lake S. by " " "
 Apr 29 Tahoe City S. by W.A. Simmonds & Stanley Martin
 May 1 Marlette Lake S. by Earl Wise
 Apr 30 Lake Lucile S. by Harry Barkley & Gross
 May 4 Carson Pass S. by Palmer & Joan Shaw

1945

Feb 1 ±

- Feb 3 Donner Lake S. by P.S. & F.M. Congill
 " 12 Sage Hen Cr. S. " Congill-Hoyden & Barber
 " 4 Tahoe City S. by W.A. & Ida S. Simmonds
 " 4 Marlette Lake S. by Earl Wise
 Jan 31 Echo Summit S. by Harry Oakley & Roy Butler
 Jan 30 Carson Pass S. by C. Ward & F.L. Spitzer
 Feb 4 Blue Lakes S. by N.L. Green

March 1 ±

- March 9 Independence Camp S. by Congill ^{Dobst & Richardson}
 " 10 " Lake S. " same
 " 11 Sage Hen Creek S. by same
 " 1 Donner Lake S. by P.S. & F.M. Congill
 " 1 Trk Ranger Sta S. " " "
 " 4 Trk #2 S. by P.S. & F.M. Congill
 " 1 Tahoe City S. by W.A. & Ida M. Simmonds
 " 4 Ward Crk S. by C.S. Martin & M. Straubharr
 " 1 Marlette Lake S. by Earl Wise
 " 3 Daggett's Pass S. by Harry Barkley & Isbell
 " 3 Richardson #1 S. " same
 " 3 " #2 S. " same
 " 5 Lucile S. (only 2 good samples) by same
 " 1 Echo Summit S. by Harry Oakley & Roy Butler
 Feb 23 Carson Pass S. by C.W. & F.L. Spitzer
 Mch. 1 Blue Lakes S. by N.L. Green

Number of Sample (1)	Depth of Snow Inches (2)	Length of Core Inches (3)	Water Content Inches (4)	Density 100X(4)/(2) Percentage (5)	REMARKS
					1937
					Tuesday March 30 th 8 am Went to Conway Summit by car from there to Bamberger Pk Snow Course got 13 holes tough to get. Sampler & snow gun
					Wednesday March 31 st 1937 Went to First Cabin 4:15 PM Cabin two locks broken & some one stayed all night & will send in the two lock so you can see what happened. Blue Comp. Missing that all & consistent that is missing
					Thursday April 1 st 1937 8 am Stormy Wind blowing down the Canyon went to the Ranger it is now too bright & we are all wet so we go back to lower Cabin & stay

No. _____ of _____ Sheets. Comp. by _____ Chkd. by _____

Number of Sample (1)	Depth of Snow Inches (2)	Length of Core Inches (3)	Water Content Inches (4)	Density 100X(4)/(2) Percentage (5)	REMARKS
					Friday April 2 nd 1937 8 am about 4 inches new snow heavy & in 3 PM Cabin will make have new Prof. new roof slate 4" new stove new stove 4" 4" the part of roof is in 6" Saturday April 3 rd 1937 Stormed during night 2" new snow made Buckeye Fork Snow Survey Sun Day April 4 th 1937 8 am Made Snow Survey at Center Mountain no trouble except this had trouble with eyes Waggon Monday April 5 th 1937 shovel 1 Spade 6 plates axe 1 chain 5 cups Squirt hammer 5 Squares Nails 1 bit char brush 1 coffee pot 2 rick screw 3 stew pots 1 Stange Tool for Siphon

No. _____ of _____ Sheets. Comp. by _____ Chkd. by _____

Number of Sample (1)	Depth of Snow Inches (2)	Length of Core Inches (3)	Water Content Inches (4)	Density 100X(4)/(2) Percentage (5)	REMARKS
					1 Camp blanket
					2 Double blankets
					1 Single blanket
					2 Mats
					2 pillows
					1 pair Dish
					1st piece of samples
					197 - 2 5/8"
					1 table 2 Chair folding
					tin Cabin Linol.
					1 stove
					2 iron Spring pans
					3 Kettles stove
					1 tin pan 1 tin
					1 bucket 5 forks
					1 ham 5 spoons
					1 broom 2 Cats
					4 Cups 2 single B.
					3 plates 1 double B.
					1 serving pole 1 Can.
					1 pan 2 Quarters
					2 pillows

No. _____ of _____ Sheets. Comp. by _____ Chkd. by _____

Number of Sample (1)	Depth of Snow Inches (2)	Length of Core Inches (3)	Water Content Inches (4)	Density 100X(4)/(2) Percentage (5)	REMARKS
					April 7th 1937
					8 am went to Hovei 77
					meadows got in 4:30 PM
					April 8th 1937
					7 am went to Sonora Pan
					Snow Cannon storming
					all day not much
					wind so we got snowing
					OK got back to camp
					About 5 PM wind blowing
					hard from S.W.
					April 9th 1937
					8 am made snow at the
					head of Lovitt Meadows
					back to Camp had dinner
					went to Junction Phoned to
					Bridgeport had Car Come
					2 took us to Bridgeport
					6 PM wind from S.W.
					April 10th 1937
					8 am went to Dunderberg
					PK Snow Cannon

No. _____ of _____ Sheets. Comp. by _____ Chkd. by _____

Number of Sample (1)	Depth of Snow Inches (2)	Length of Core Inches (3)	Water Content Inches (4)	Density 100X(4)/(2) Percentage (5)	REMARKS
					<p>got 6 holes going to head from S.W. to on your up & come home. We did not try to go to Willow that on account of wind. The weights would be no good. I told my partner J. L. Hise that it was getting late so we would give up the survey for this year. I will go up & get a correction on Dunderberg PK snow course next Sunday. 11 days this year.</p> <p>Yours O.W. Sulton Snow Surveyor</p> <p>J. L. Hise 11 day ab. 26. 26.</p>

Number of Sample (1)	Depth of Snow Inches (2)	Length of Core Inches (3)	Water Content Inches (4)	Density 100X(4)/(2) Percentage (5)	REMARKS
					<p>April 6th 1937 Please read diary. We are going to Sierra Park to measure. Mr. M. F. Bryan & would not go with me on account of sickness in paper part trouble. I had the promise of 6 or 7 men but they all backed out so I got Mr. J. L. Hise of Bishop, Calif. to go with me, he is 12, at \$6. per day. I will report in the next of your report when I get back from Sierra Park.</p> <p>Yours O.W. Sulton Snow Surveyor</p>

Mons. NATIONAL FOREST

April 4 1943

Designation or Subject

MEMORANDUM FOR

Prof Boardman

The following are the names of the men assisting on snow measurements taken by the Forest Service this year in this locality.

East Walker.

Flaccus

Walter James

Page

W. Walker.

Charles Brown

Williamson

Louis B Hall

E. Carson

D. G. Mac Bean

R. W. Gardner

A. P. Wood.

Big Meadows

Glen R Jones - Ranger Carson City

Candler Lazenby

The other man on the Big Meadows party I do not know but I will get it for you when I return.

10-001

later on in the week. The initials of the men whose
 not shown can be obtained from the notes of
 the measurements that you have.

MEMORANDUM FOR

D. G. Mac Bean

[Faint, mirrored handwriting from the reverse side of the paper is visible through the yellowed paper, including names like 'East Walker', 'Fleming', 'Walter James', 'Page', 'E. Carson', 'D. G. Mac Bean', 'R. W. Gardner', 'H. R. Wood', 'Big Meadows', 'Glen K. Jones', 'Charles L. ...', 'Louis B. Hill', 'Williamson', 'Charles Brown', 'W. Walker', and 'The following are the names of the men who were measured in the ...']