

Rubicon Trail Site Assessment

April 9, 2013

Crew: Rick Hammonds, Byron Saylor

Weather Conditions: The weather conditions for the Rubicon Trail were sunny, cold and windy. The temperature on the trail was approximately 30(F) at 7:30 am and 39(F) around 12:30 p.m. The summary of weather conditions up to this day are as followed:

2013		5-Apr	6-Apr	7-Apr	8-Apr	9-Apr	10-Apr
GT	Precip (in)	0.01	0.00	0.47	0.49	0.00	0.00
	Avg Temp (F)	51	51	50	46	52	61
SLT	Precip (in)	0	T	0.05	0.11	0	0
	Avg Temp (F)	43	45	43	35	39	48
R2	Snow Depth (in)	29	28	27	26	28	27
	Avg Temp (F)	39	37	38	37	28	33
LL	Precip (in)	0	0	0	0.37	0	0
	Low Temp(F)	32	35	29	27	29	40
	High Temp(F)	46	45	44	38	46	62
	Ave Temp(F)	39	39	37	31	37	49

Reference Loon Lake Elevation: ~6,500 ft

GT = Georgetown; elevation: 2,880 ft <http://classic.wunderground.com/cgi-bin/findweather/getForecast?query=95634>

SLT= South Lake Tahoe; elevation: 6,623 ft <http://classic.wunderground.com/cgi-bin/findweather/getForecast?query=38.89361191,-119.99527740&MR=1>

R2 – Rubicon#2 Snotel Site; elevation: 7,689 ft <http://www.wcc.nrcs.usda.gov/nwcc/site?sitenum=724&state=ca>

LON –Loon Lake; elevation: 6,410 ft http://cdec.water.ca.gov/cgi-progs/stationInfo?station_id=LON

Trail Sections (Areas in grey not observed):

Wentworth Springs Campground / Post Pile Grade /
Gate Keeper / Ellis Creek Tie Intersection / Walker Hill / Soup Bowl / Winter Camp / Little Sluice Area

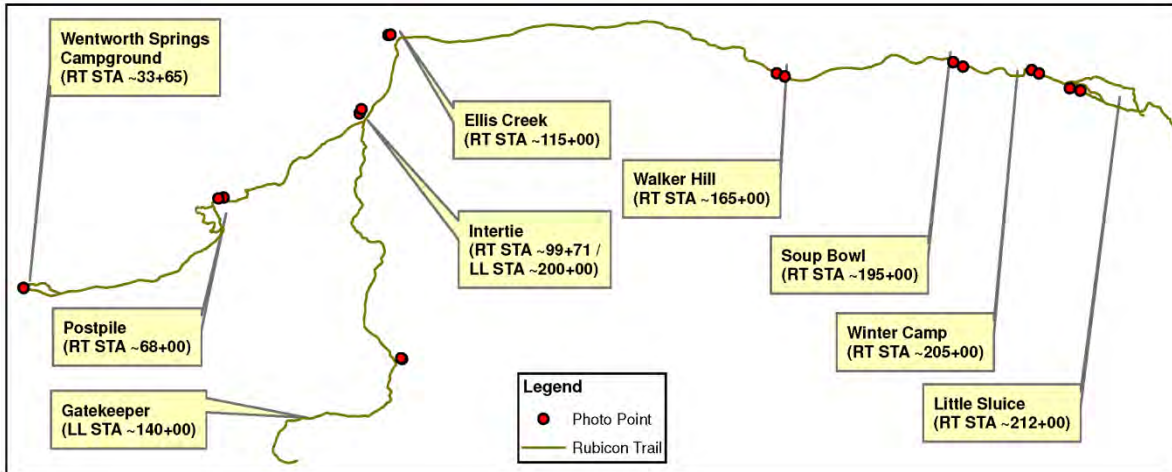
Trail Conditions / Observations: Entered the Rubicon Trail (Trail) from Loon Lake entrance. Traveled from Loon Lake to Wentworth Springs Campground and then to Little Sluice. From Little Sluice we traveled back to Loon Lake via Gate Keeper. There were no vehicles seen on the Trail over the course of the day. We observed no vehicle tracks at all sites except for two, Soup Bowl and Winter Camp. Most of the BMP's were exposed along with the Trail and were functioning as designed. Due to the warmer temperatures, the Trail was exposed approximately ninety five percent.

County Assessment: As of this site visit for the conditions observed, the County has determined that the goals of the Saturated Soil Water Quality Protection Plan (SSWQPP) are being met. Observed water levels were low enough to not pose a risk of washing contaminants from the under carriage of vehicles pursuant to the monitoring protocols.

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Photo Monitoring:



Gate Keeper

LL Station 146+77.03

Water Depths: 0.2', 0.3', 0.6'

Mean: 0.4', Median: 0.3', Mode: N/A

Notes: The Rock Outlet Protection (ROP) was seen on the trail, with snow melt run-off flowing within the ROP. The water was flowing towards Rock Energy Dissipator (RED).

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Wentworth Springs Campground

RT Station 33+65.67

Water Depths: 0.1', 0.1', 0.3'

Mean: 0.2', Median: 0.1', Mode: 0.1'

Notes: The Rock Ditch Crossing (RDX) was exposed through the minimal snow, with snow melt run-off flowing across the RDX.



Post Pile

RT Station 75+00

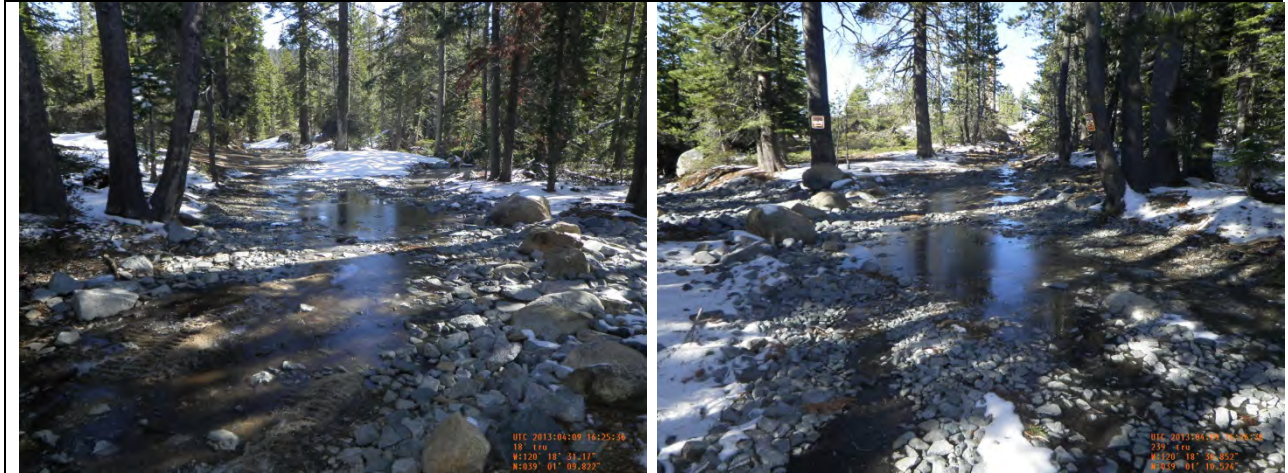
Water Depths: 0.3', 0.5', 0.5'

Mean: 0.4', Median: 0.5', Mode: 0.5'

Notes: The Rock Ditch Crossing (RDX) was observed and was functioning as designed. Snow melt run-off was observed flowing down the hardened surface of the Trail.

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Ellis Creek Intertie

RT Station 99+86.95

Water Depths: 0.2', 0.2', 0.2'

Mean: 0.2', median: 0.2', Mode: 0.2'

Notes: The Rock Lined Channel (RLC) was exposed through the snow, with snow melt run-off moving in the RLC. The water was properly draining towards the Rock Energy Dissipator (RED) which was no longer covered with snow and functioning as designed.



Ellis Creek

RT Station 115+00

Water Depths: 0.5', 0.8', 0.9'

Mean: 0.7', Median: 0.8', Mode: N/A

Notes: Snow melt run-off from the northerly drainage was flowing into Ellis Creek.

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Walker Hill

RT Station 170+80

Water Depths: 0.2', 0.2', 0.4'

Mean: 0.3', Median: 0.2', Mode: 0.2'

Notes: The Rock Slope Protection (RSP) was exposed on both sides of the Trail. There was minimal snow melt run-off flowing down the hardened surface of the Trail, which discharges into a Rock Energy Dissipator.



Soup Bowl

RT Station 198+40.84

Water Depth: 0.2', 0.2', 0.3'

Mean: 0.2', Median: 0.2', Mode: 0.2'

Notes: The Rock Ditch Crossing (RDX) was exposed through the snow with snow melt run-off moving through it.

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Winter Camp

RT Station 209+58.39

Water Depth: 0.3', 0.3', 0.5'

Mean: 0.4', Median: 0.3', Mode: 0.3'

The Rock Fill (RF) was exposed through the snow. There was run off moving over the RF.



Little Sluice

RT 213+50.32

Water Depth: 0.3', 0.3', 0.3'

Mean: 0.3', Median: 0.3', Mode: 0.3'

The Rock Fill (RF) was exposed through the snow. There was run off that was flowing over the RF.