

Winter Soil C flux experiment

Winter Ecology, CU Mountain Research Stn

Observers: ____2010 Winter Ecology class (group datasheets on separate tabs; summary results table merged from Shelly & John)_____

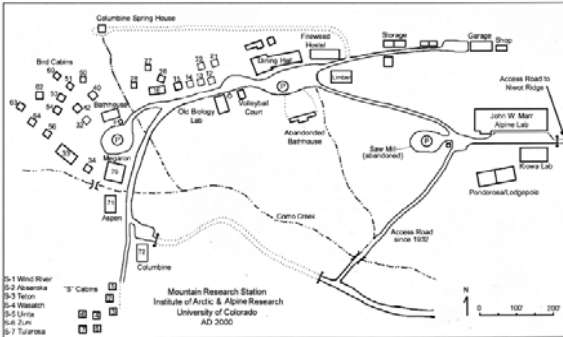
Date: __30 Jan 10__ **Weather conditions:** ____Sunny (cloudless sky), warm, no wind_____

Time - start: _____ **end:** _____

site ID	Site features (vegetation type, open/closed, sunny/shady, slope)	Snow Z (cm)	soil T (°C)		Moisture category (0, frozen, moderate, high, saturated)	Organic matter		CO ₂ flux		
			0 cm	10 cm		amt (ranked: 0-5)	type (herbaceous, brdlf-decid, conifer,)	mean (ppm CO2 100?cm-2 s-1)	±SE	R ² (range)
1	lodgpole (LP), shady, moderate slope	70	0.0	0.1	moderate, dark color,	4	coniferous	0.614	0.025	0.997 (0.997-0.9969)
2	LP, shady, moderate slope, cabin nearby	25	-0.1	-0.7	moderate, frozen (=ice crystals)	3	coniferous	0.177	0.050	0.986 (0.9824-0.994)
3	LP, shady, moderate slope, cabin nearby	3	-1.1	-2.2	dry/frozen (=ice crystals), rocks	2	coniferous	0.058	0.007	0.962 (0.93-0.98)
4	aspen, partly open, shallow slope	22	-1.6	-2.0	high/frozen	2.5	broadleaf deciduous (w/ grass&coniferous litter)	0.155	0.045	0.985 (0.98-0.991)
5	aspen, partly open, shallow slope	50	-0.4	-0.2	high/frozen	3	broadleaf deciduous (w/ grass&coniferous litter)	0.299	0.066	0.992 (0.989-0.994)
6	grassy streambed w/ willows, partly closed, shallow slope	0	4.95	2.95	saturated	4	herbaceous (grasses) (w/ broadleaf decid litter)	0.072	0.024	0.9347 (0.868-0.972)

brown = average

blue = corrected



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