

# National Soil Carbon Network Update

News and Notes  
of the NSCN

Spring 2011

## Featured Articles

Focusing on recently-published soil carbon papers of interest to our community.

[Johnson et al. 2010.](#)

Subsurface carbon contents: some case studies in forest soils. *Forest Science*.

[Sinsabaugh 2011.](#)

Phenol oxidase, peroxidase and organic matter dynamics of soil. *Soil Biology and Biochemistry*.

Please email suggestions to the  
[NSCN Network Coordinator](#)

**Database access is now live!** After major work behind the scenes this winter, the NSCN now offers database access for the entire Membership! Please read more below the break.

layer num	ecoregion	lat (dec)	long (dec)	observation	soil taxon	layer_tot	layer_bot (cm)	hor design	soc (g cm <sup>-2</sup> )	c_tot (%)	oc (%)	bd (g cm <sup>-3</sup> )	bd_wb
109731	GNW0372	44.270802	-86.217201	11/6/2001	Fine-loamy over	0	23 Ap		0.583625019	1.75		1.4500	
109739	GNW0379	44.271099	-86.217201	11/6/2001	Mixed, mesic Lam	0	20 Ap		0.211700022	0.73		1.4500	
110635	9SP02479	42.009701	-73.164703	7/29/1999	Coarse-loamy, m	5	6 Oa			46.77			
110636	9SP02461	41.971901	-73.273598	7/20/1999	Coarse-loamy, m	0	30 Ap		0.996519897	3.1400001		1.0599999	
110640	9SP02518	44.980258	-91.376701	6/1/1998	Sandy, mixed, m	0	23 Ap					1.4600	
110660	9SP02521	44.983299	-91.553101	6/1/1998	Coarse-loamy ov	0	20 Ap					1.4600	
110684	9SP02525	45.124199	-91.448097	6/1/1998	Coarse-loamy ov	0	20 Ap					1.4600	
110685	9SP02528	45.203899	-91.584198	6/1/1998	Coarse-loamy, m	0	18 Ap					1.4700	
110686	9SP02532	45.281101	-91.294197	6/1/1998	Coarse-loamy ov	0	23 Ap					1.4800	
110725	9SP02645	44.616402	-85.201897	2/4/1997	Fine-loamy, mixe	0	23 Ap		0.373520017	1.12	1.27	1.4500	
110726	9SP02693	44.584402	-85.957199	1/28/1997	Mixed, mesic Typ	0	10 Oa		6.050849915		41.73	1.4500	
110730	97P02627	45.187801	-83.511299	10/11/1996	Loamy, mixed, su	0	23 Ap		1.004111052	2.9300001	2.7	1.49	
110739	97P02630	45.1709	-83.496498	10/11/1996	Fine-loamy, mixe	0	15 Ap		0.817009938	3.3400001	3.53	1.3099999	
110741	9SP01447	44.4431	-84.638901	10/29/1995	Fine, mixed, semi	0	8 Ap		0.658879995		5.68	1.4500	
110743	9SP01111	44.984999	-72.095802	8/31/1995	Loamy, mixed, br	0	15 Ap		0.6479955		3.57	1.21799	
110745	9SP02096	44.9533	-72.041702	8/30/1995	Coarse-silty, mixe	0	19 Ap		0.845499992		3.56	1.2511799	
110747	9SP01102	44.9533	-72.041702	8/30/1995	Coarse-silty, mixe	0	0 Ap						
110759	9SP05989	42.6553	-72.315804	8/23/1995	Coarse-loamy, m	2	18 Ap		0.417647958		2.31	1.1312799	
110759	9SP05989	42.6553	-72.315804	8/23/1995	Coarse-loamy, m	3	23 Ap		1.207499933		3.25	1.5495	
110767	9SP05969	42.696899	-72.357498	8/21/1995	Coarse-loamy, m	4	6 Oa				38.73	40.07	
110769	9SP05979	42.695	-72.3283	7/6/1995	Coarse-loamy, m	1	3 Oa				10.77	13.27	
110770	9SP05980	42.695	-72.3283	7/6/1995	Coarse-loamy, m	3	15 Ap		0.867887914		4.41	1.6395	
110776	9SP06003	42.671902	-72.3797	7/1/1995	Sandy, mixed, fri	1	3 Oa				26.190001	28.7	

## Database Access

The NSCN Database is now open to all members! Most of the data are from the USDA-NRCS Soil Survey Lab. Academic colleagues have contributed data too, and we are also working on ingesting several large USGS datasets. At this time we have available basic C data for >240,000 individual soil layers (>30,000 soil profiles), most with spatial coordinates and many with metadata too. You can visit our website to check out [information about the database](#), but you need to [sign up for an account](#) if you want to [browse the database](#).

Please visit the site and start thinking about how your next project can benefit from this data resource! If you'd like to give feedback, or arrange contributing some of your data to this effort, contact the [NSCN Coordinator](#).

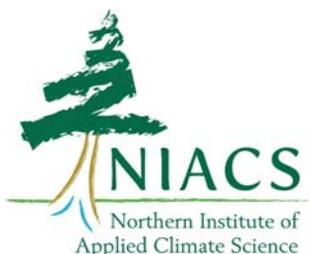
## Soil Archive Questionnaire

A core group of NSCN members interested in promoting and developing a secure, systematic and community-accessible approach to soil sample archiving has formed the [NSCN Soil Archiving Working Group](#). The Group recently released this [questionnaire](#) to gather information about archived soils in the U.S., with special emphasis on archived samples at risk of loss or deterioration. Please respond to the



United States Department of Agriculture  
National Institute of Food and Agriculture





questionnaire and distribute it widely. By compiling this information we will be able to develop an idea of the archiving desires and needs of the soil C research community, and quantitatively demonstrate the benefits of an archive to potential sources of support.



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