

Summary of Bees collected in the Sandhills Area of North and South Carolina, May 18th and 19th, 2006. Specific collection localities for each specimen are included in the associated Excel sheet (spring2006.xls).

Report Written 6/26/2006 by Sam Droege, USGS Patuxent Wildlife Research Center.

Activities consisted of setting out sets of 5 florescent yellow, 5 florescent blue, and 5 white bowls 5 meters apart along rural roads and some hand-netting during the middle of the day. On the 18th 29 sets of bowls were set on Carolina Sandhills National Wildlife Refuge and surround areas. On the 19th another 9 sets were placed along roads in NC and SC just off or route 1 and a large number of bowls were placed at the house I was staying at Just North of Southern Pines. Weather was sunny, low humidity, fair amount of wind on the 29th. Collection effort was low as I developed a bad cold and had to leave the area early. Most collection sites were associated with relatively natural habitats, in many cases open, mature, managed pinelands.

Fifty six species were found within the 831 specimens collected. When compared to John Ascher's list of published and unpublished records of South Carolina bees twenty new state records were established. This number of new records was due to the unusually rich collection sites and the few collections that have been made in the state in the past. That said, quite a number of these species are rarely collected and are an indication of the extremely high quality of these sites. In particular the refuge seems to harbor quite a number of rare species. The very unusual *Nomada rodecki* was not collected but it has only been collected once before, so that is no surprise.

Unusual species are indicated with a ! and sand specialists are indicated with a *.

Species	Number of Specimens			Notes
	Refuge	Rest of SC	All NC	
<i>Agapostemon Megachile rubi mon splendens</i>	8	1		*
<i>Agapostemon virescens</i>			2	
<i>Andrena cressonii</i>			1	
<i>Andrena krigiana</i>			2	
<i>Andrena macra</i>			2	
<i>Andrena miserabilis</i>			2	
<i>Andrena nasonii</i>	2		2	SC State Record
<i>Augochlorella aurata</i>	5	5	8	
<i>Augochloropsis metallica</i>		1		
<i>Augochloropsis sumptuosa</i>	1			SC State Record
<i>Bombus griseocolus</i>	3			
<i>Ceratina calcarata</i>			9	
<i>Ceratina dupla</i>	3			
<i>Coelioxys galactiae</i>	1			!SC State Record
<i>Epeolus australis</i>	1			*!SC State Record

<i>Halictus ligatus/poeyi</i>	4		92	
<i>Halictus parallelus</i>			1	
<i>Hoplitis pilosifrons</i>	5		2	SC State Record
<i>Hoplitis spoliata</i>	5			
<i>Hoplitis truncata</i>	3			
<i>Hoplitis species A</i>	1			!
<i>Hoplitis micheneri</i>			1	
<i>Lasioglossum admirandum</i>	1			
<i>Lasioglossum bruneri</i>	13	3	1	SC State Record
<i>Lasioglossum cinctipes</i>	1			SC State Record
<i>Lasioglossum coreopsis</i>	6	4	9	
<i>Lasioglossum illinoense</i>	11	6	6	SC State Record
<i>Lasioglossum imitatum</i>	4		1	
<i>Lasioglossum lustrans</i>	1		2	*
<i>Lasioglossum nelumbonis</i>	1	1		SC State Record
<i>Lasioglossum nymphae</i>	20	21	9	*
<i>Lasioglossum pectorale</i>	28	2	11	SC State Record
<i>Lasioglossum pilosum</i>	96	4	3	
<i>Lasioglossum rohweri</i>	3		3	SC State Record
<i>Lasioglossum sopinci</i>	6			!*
<i>Lasioglossum tegulare</i>	45	9	24	
<i>Lasioglossum unknown</i>	4			
<i>Lasioglossum versatum</i>	18	2	2	
<i>Lasioglossum vierecki</i>	13	3	11	*
<i>Lithurgus gibbosus</i>	1		1	*SC State Record
<i>Megachile addenda</i>	4	4	1	*SC State Record
<i>Megachile brevis</i>	6	1		SC State Record
<i>Megachile exilis</i>	1			
<i>Megachile georgica</i>	4			
<i>Megachile rubi</i>	5	7		*!SC State Record
<i>Megachile texana</i>	1	1		
<i>Melissodes mitchelli</i>	1			*!SC State Record
<i>Nomada australis</i>	1			
<i>Nomada rubicunda</i>		1		*
<i>Osmia atriventris</i>	1			SC State Record
<i>Osmia georgica</i>	4	1	1	
<i>Osmia inspergens</i>	2			SC State Record
<i>Osmia pumila</i>		1		SC State Record
<i>Osmia sandhouseae</i>	2	1	1	
<i>Perdita near floridensis</i>	1			!*Possible new species
<i>Perdita novaeangliae</i>	1			!*SC State Record
<i>Sphecodes unknown</i>	18	3		