

Field Name	Field Value
Name	Nicole Soper Gorden
Organization	University of Minnesota Duluth
Phone	218-726-8619
email	sope0007@d.umn.edu
Web_Address	www.baselineseedbank.org
Renewal	No
Permit_Number	2014-009
Activity	Research
Project	Project Baseline: A living plant genome reserve for the study of evolution
Dates	8/7/14 through 11/1/15
Group_Size	2
Research_Area	Yes
Eighteen_Acres	Yes
Beefys_Woods	Yes
Garden_Pond	Yes
Grandview_Alley	Yes
Round_Top	Yes
South_Woods	Yes
Sensitive_Area	No
Other_Areas	Yes
Public_Areas	Yes
Steiners_Woods	Yes
Panzner_Wetlands	Yes
Building	No
Prep_Work	
Sampling_Collecting	Yes
Sampling_Methods	It's not very destructive. We will collect seeds from up to 200 plants per population. This may mean walking off of trails. We will never collect more than 20% of a population's seed. Additionally, we collect two voucher specimens per population, which involves removing those two plants entirely from the site, pressing them, and submitting them to the herbarium.
Description	Project Baseline is a National Science Foundation funded initiative to create a long-term research seed bank. Several seed banks already exist, but are used almost entirely for conservation/restoration purposes or for agriculture. Our seed bank focuses on ecological and evolutionary plant

	<p>research instead. We are collecting seeds from species of interest to researchers from throughout the entire contiguous United States, spacing out our collections to cover as broad a geographic range as possible. We are also collecting seeds by maternal plant, which allows scientists to know the parentage of each seed and facilitates genetic studies. These seeds will be stored in a USDA seed storage facility in Fort Collins, CO for at least 50 years. This allows long-term studies of how plants change over a long period of time, for example in response to climate change. The seeds will be available to any researcher free of cost via the submission of a proposal and a promise to resubmit seeds to the seed bank for others to use. To find out more about Project Baseline, you can visit our website at www.baselineseedbank.org or follow us on Facebook at www.facebook.com/projectbaselineseedbank.</p>
Agreement	Accept