

Recent Equipment Acquisitions at the Northeast Science Station

Cherskiy, Siberia

January 2012

Max Holmes

The equipment listed below was all purchased since spring 2009. Most of the equipment was purchased using funds from grant NSF-OPP-0938254 to R. Max Holmes and Sergey Zimov (*Improving Analytical Capabilities at the Northeast Science Station, Cherskiy, Siberia*). Additional equipment was purchased with other NSF funding or support from the Woods Hole Research Center. All the equipment listed below is currently installed and in operation, at least May-October, at the Northeast Science Station.

Photos of much of this equipment can be found at:

<http://www.thepolarisproject.org/champagne-in-the-siberian-arctic>

Shimadzu Total Carbon and Total Nitrogen Analyzer (TOC-V)

Purchased in 2010 with funds from NSF-OPP-0938254

-for use with surface and ground water samples, not soil extracts

Shimadzu UV-1800 Spectrophotometer

Purchased in 2010 with funds from NSF-OPP-0938254

Horiba FluoroMax-4 Spectrofluorometer

Purchased in 2010 with funds from NSF-DUE-0732944

Biotek Microplate Spectrophotometer (PowerWave XS2)

Purchased in 2009 with funds from the Woods Hole Research Center

Turner Trilogy Fluorometer

Purchased in 2011 with funds from the Woods Hole Research Center

SNOL Muffle Furnace #1

Purchased in 2009 with funds from NSF-OPP-0732944

-for ashing filters, glassware

SNOL Muffle Furnace #2

Purchased in 2010 with funds from NSF-OPP-0938254

-for ashing soil samples etc

SNOL Drying Oven #1

Purchased in 2010 with funds from NSF-OPP-0938254

-for drying soil, vegetation, etc

SNOL Drying Oven #2

Purchased in 2011 with funds from NSF-OPP-0938254
-for drying reagents and glassware

Stereo Microscope (Optica SZR-10)

Purchased in 2009 with funds from NSF-OPP-0732944

Balance (Ohaus Discovery)

Purchased in 2009 with funds from NSF-OPP-0732944

Vacuum Pump (Gast)

Purchased in 2011 with funds from the Woods Hole Research Center

Centrifuge (Hermle Z206A)

Purchased in 2011 with funds from NSF-ETBC-0851101