

## PROJECT INFORMATION

<b>Lead Principal Investigator</b>	Joshua Schimel
<b>Institute</b>	University of California, Santa Barbara, Dept. Ecology, Evolution & Marine Biology and Envir. Studies
<b>Project Title / Grant #</b>	IPY: Microbial winter survival physiology: a driver on microbial community composition and carbon cycling (0733074)
<b>NSF Program and Manager</b>	NSFODVOPPARC\ARCSS, Dr. Neil Swanberg
<b>PFS Project Manager</b>	Dana Truffer Moudra (Alaska) and Susan Zager (Greenland)

## LOGISTICS SUMMARY

Researchers on this project will study microbial dynamics in the low Arctic of northern Alaska and the high Arctic of northern Greenland during consecutive seasons beginning in 2007 and ending in 2010. To make the observations required of parallel transects over dry, moist, and wet tundra, teams will visit the research sites throughout the year during the course of the investigation.

In 2007, a research team of 3 traveled to Thule, Greenland, in mid-October, spending about 1 week; and to Toolik Field Station, Alaska, in mid-November, traveling via truck from Fairbanks. At these places, the researchers established their experiments in order to capture the 2007 freeze cycle.

In 2008, a research team of 2-3 people focused on Alaska work, visiting Toolik 4 times in the year.

In 2009, a team of 2 will visit Thule, Greenland, in August, and 3 will visit again in October. A team of two will visit Toolik, Alaska, briefly in May. *Note: this version of the season plan documents CPS support for the AK trip only.*

In 2010, work is TBD.

Teams will take soil samples and collect litter (leaves, etc.) during each of these trips for later analysis at the home institutions. This project will be integrated with other studies on pan-Arctic microbial population dynamics by collaboration with the ICSU MERGE network.

IAB will provide access to infrastructure and services at Toolik Field Station.

BASC will provide access to infrastructure and services at Barrow.

CPS will provide clearances, lodging, office space, Internet access, truck rental, and cold weather gear (as needed) for work at Thule. For work at Toolik, CPS will pay for user days, truck rentals and cold weather gear (as needed).

(For the 2007 season at Thule, potential CPS support included helicopter transport to install the experiments. In the end, the helicopter was not needed to access the sites.)

For the complete CPS online project record for this grant, including science objectives, go to:

[http://www.polar.ch2m.com/arlss\\_reports/arlss\\_projectsdetail.asp?cbPropNum=0733074](http://www.polar.ch2m.com/arlss_reports/arlss_projectsdetail.asp?cbPropNum=0733074)

## OUTSTANDING ACTIONS AND NOTES

Issue	Responsibility	Date Completed / Comment
Review support plan for accuracy and distribute to all field team members	PI	
Visit all hyperlinks and review all documents referred to in the support plan	Field Team Members	
Obtain all necessary permits for fieldwork	PI	

Complete Critical Success Factors	PI	Completed
Finalize plans for Aug and Oct trips to Thule and reissue season plan	PI and CPS	

## ALLOCATIONS AND SERVICES - ALASKA

### Allocations from CH2M HILL Polar Services Inventory in Fairbanks

Quant/Unit	Item	ID Number
2 ea	Boots	
2 ea	Overalls	
2 ea	Coats	

### Accommodations

Quant/Unit	Item	Notes
10	User days at Toolik	<a href="http://www.uaf.edu/toolik/">http://www.uaf.edu/toolik/</a>

### Truck Support

You are responsible for your own fuel. Like all rental agencies, the vehicle we provide you needs to be returned clean, with a full tank of gas. Let us know if your vehicle will be dropped off late, or at a location other than where you picked it up.

Pick Up	Drop Off	# Days	Comment
May 17, 2009	May 24, 2009	7	Fairbanks

For the duration of your CPS-provided truck rental, you are covered by CPS automobile insurance. Please carry a copy of the following information with you. **If you are involved in an accident, please take photos and contact the Alaska Logistics Manager.**

Name Insured: CH2M HILL Polar Services 9191 South Jamaica Street Englewood, CO 80112-5946 303.771.0900	Producer: Marsh USA Inc. 1031 West 4 <sup>th</sup> Street Anchorage, AK 99501 907.276.5617 Policy - #BAP534531802
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(This statement is issued for information purposes only and is subject to the terms, exclusions, and conditions of the policy.)

## SUPPORT SCHEDULE

Date	Location	Activity
May 17-24	Fairbanks – Toolik	Collection of samples

## FIELD TEAM INFORMATION

Name	Location	Date In	Date Out	Email
Sean Schaeffer	Toolik	May 17	May 24	<a href="mailto:sschaeffer@lifesci.ucsb.edu">sschaeffer@lifesci.ucsb.edu</a>
Seeta Sistla	Toolik	May 17	May 24	<a href="mailto:seetasistla@gmail.com">seetasistla@gmail.com</a>
TBA	Thule			

### Research Team

Role	Name	Email	Phone / Fax
Co-PI	Kenneth Reardon	<a href="mailto:reardon@enr.colostate.edu">reardon@enr.colostate.edu</a>	970.491.6505 /970.491.7369

Principal Investigator	Joshua Schimel	<a href="mailto:schimel@lifesci.ucsb.edu">schimel at lifesci.ucsb.edu</a>	805.893.7688 /805.893.4724
Co-PI	Matthew Wallenstein		
Co-PI	Mike Weintraub	<a href="mailto:michael.weintraub@utoledo.edu">michael.weintraub at utoledo.edu</a>	419.530.2585 /

## PROJECT CONTACT INFORMATION

### CPS Team Members

Contact for	Name	Email	Primary Phone(s)
Alaska operations	Marin Kuizenga	<a href="mailto:Marin@polarfield.com">Marin at polarfield.com</a>	Fairbanks: 907.590.0755
Alaska operations	Naomi Whitty	<a href="mailto:Naomi@polarfield.com">Naomi at polarfield.com</a>	Fairbanks: 907.590.3954
Alaska operations	Matt Irinaga	<a href="mailto:Matt@polarfield.com">Matt at polarfield.com</a>	Fairbanks: 907.978.0564
Alaska operations	Dana Truffer Moudra	<a href="mailto:Dana@polarfield.com">Dana at polarfield.com</a>	Fairbanks: 907.388.2498
Denver operations	Jill Ferris	<a href="mailto:Jill@polarfield.com">Jill at polarfield.com</a>	Denver: 720.320.6155

### CPS Offices

Denver	Fairbanks
CH2M HILL Polar Services Western Office 8110 Shaffer Parkway, Suite150 Littleton, CO 80127 Tel: 303.984.1450/1439 Fax: 303.984.1445	CH2M HILL Polar Services Alaska Office 2325 King Road Fairbanks, AK 99709 Tel: 907.455.4214 Fax: 907.455.4126

## SAFETY, ENVIRONMENT, HEALTH and PERMITS

Researchers are responsible for all permits required to conduct fieldwork. Please visit <http://www.polar.ch2m.com/> and navigate to Alaska > Permits for more information regarding this topic.

## CRITICAL SUCCESS FACTORS

Please list the support factors that are most important for the success of your science. We track these factors in order to measure the success of CPS' support. Examples might be the availability of the helicopter or camp gear.

Factors
Our critical need is to get soil samples from the field back to the laboratory. Thus, our critical
Success factor is the ability to get to the field sites and to work safely there: ergo, transportation and
appropriate field gear: so trucks during summer sampling, and helicopter support in Greenland for cold-
season sampling, and winter clothing for cold-season work in both Alaska and Greenland.

## GOVERNMENT AND PERFORMANCE REPORTING ACT OF 1993 (GPRA)

NSF/OPP requires your help in complying with the Government Performance and Reporting Act of 1993 (GPRA). One measure of CPS' performance is a "facility-performance metric" which counts the number of productive days your project has in the field while relying on CPS facilities or support. Please keep track of any "lost days" and report these to us at the end of the season.