

Please review all of the following information, including the gear allocations and field team information, to ensure accuracy. This plan is an agreement between VPR and your group, documenting the logistics support you will receive.

• Project Information •

Lead Principal Investigator	Geoffrey Haines-Stiles
Institute	Geoff Haines-Stiles Productions, Inc. (d/b/a PASSPORT TO KNOWLEDGE)
Project Title / Grant #	POLAR-PALOOZA (0632262)
NSF Program and Manager	NSF/EHR/ESIE, Dr. Sandra Welch
VPR Project Manager	Robin Abbott

• Logistics Summary •

For this IPY education and outreach project, documentary and sound artists will visit both polar regions during 2007 and 2008 to collect new high-definition video (HDV) footage and sound recordings that will contribute to POLAR-PALOOZA (PPZA).

In spring 2007, one team member will visit the APLIS field camp north of Prudhoe Bay for about 2 weeks in early April, while another team member will travel to the North Pole Environmental Observatory (NPEO) and stay at "Borneo" for a few days.

Two PPZA team members will accompany the Lovvorn/Grebmeier teams (NSF grant 0454454) aboard the USCGC Healy for cruise 07-02 in the Bering Sea from mid-May through mid-June 2007.

In late spring to summer of 2007, two team members will work in the field with Greenland researchers. The team will accompany some subset of researchers among the Anandadrishnan (0608181), Mosley-Thompson (0608181), Neumann (NASAMelt), Holland (0644156) and/or Steffen (NASAAWS) groups in the Ilulissat/Jakobshavn Glacier/Swiss Camp areas. The team will work with VPR staff to finalize arrangements as the season unfolds, and with regards to logistics budgets and flight availability, science concerns, weather, etc. The team also will film at Summit Station and Raven Camp.

In the summer, a team of 2 will visit the Barrow, Alaska, region for up to 4 weeks to videotape researchers in the field and to interview community Elders about climate change.

For this project,

--VPR will provide ANG coordination and access to field sites on "flights of opportunity," as-needed camping gear and outerwear for a team of three, and any required commercial tickets and user days in Greenland.

--For APLIS, the grant is responsible for tickets and lodging en route to Deadhorse, Alaska. Starting in Deadhorse, the participant will be absorbed into the APLIS logistics chain.

--The PI will work directly with scientist Jackie Grebmeier to arrange logistics for the Alaska/Bering Sea portion of the fieldwork.

--For NPEO, the grant is responsible for tickets and lodging en route to Resolute. Starting in Resolute, the participant will be absorbed into the NPEO logistics chain.

--BASC will provide access to infrastructure and support at Barrow.

For the complete VPR online project record for this grant, including science objectives, go to: http://www.vecopolar.com/arlss_reports/arlss_projectsdetail.asp?cbPropNum=0632262

• Outstanding Issues •

Issue	Responsibility	Comment
Review support plan for accuracy and distribute to all field team members	PI	
Obtain all necessary permits for fieldwork	PI	Done
Visit all hyperlinks and review all documents referred to in the support plan	Field Team Members	
Contact the GEOSummit Science Coordination Office (SCO) mailto:sco@geosummit.org regarding your project's plans for the season	PI	Done
Medical Clearance completed 8-6 weeks before desired deployment date	Field Team Members	In the process
Please note: Bring 2 different forms of picture ID when traveling. Passports are mandatory for entry into Greenland.	Field Team Members	
Complete Critical Success Factors	PI	Done

• Allocations & Services •

Allocations from Inventory

Quant/Unit	Item
5 sets	Cold weather clothing provided for team members Howard, Quin, Igelman, Vachon, Haines-Stiles going to Arctic locations: APLIS, NPEO, Swiss Camp, Greenland ice cap near Ilulissat, & Summit Station. For Greenland locations, clothing will be issued upon arrival in Kangerlussuaq. For other locations, clothing will be sent to home address prior to deployment.
3 ea	Sleep kits for 3 team members visiting remote Greenland field sites, including Summit Station. Kits will be issued upon arrival in Kangerlussuaq.

Other Services

Project Allocations	Comments
Accommodations/meals at APLIS camp	Fred Karig is the Camp Manager/Coordinator at APLIS
Accommodation/meals at Borneo/NPEO camp	
Arrange all clearances for field team members flying on the 109 th Air Guard	Flights on 6 May (Vachon, Quin) and 14 May (Haines-Stiles)
Accommodations/meals arranged at the KISS Bldg in Kangerlussuaq.	Shared occupancy
Arrangements to fly to Camp Raven	Approximate date is 7/8 May.
Helicopter charter booked for Swiss Camp Pull-out (Quin, Vachon)	Booked for late afternoon on 14 May – pick up time ~1615
Hotel bookings made in Ilulissat (Quin, Vachon)	Booked for one night on 14 May and 5 June for Ryan Vachon
Commercial flight booked with Air Greenland from Ilulissat > Kanger on 15 May. (Quin, Vachon)	Booked on AirGL 571 at 0930, (No flights were available on 16 May)
Rental truck booked in Kangerlussuaq for 15/16 May	For filming around the Kangerlussuaq area
Tentative: Commercial flight booked with Air Greenland from Kanger/Ilulissat on 5 June and return on 7 June.	One team member to visit Ilulissat area
\$500 USD- Food allowance for lunch food to take to the field	This shopping can be done in NY (save receipts for reimbursement), or Kangerlussuaq (charged at the local store)

<p>APLIS – It is the researcher’s responsibility to get to Deadhorse where he will then enter into the APLIS logistics chain.</p>	<p>Flights to/from APLIS will be provided as well as room and board at camp. Daily filming activities, availability of helicopters, etc., will be negotiated with Jenny Hutchings, APLIS lead scientist.</p>
<p>NPEO – It is the researcher’s responsibility to get to Resolute where he will then enter into the NPEO logistics chain.</p>	<p>Flights to/from Borneo/NPEO will be provided as well as room and board at the camp. Filming will be done primarily at the mooring camp and will be coordinated though Andy Heiberg. The possibility of accompanying Jamie Morrison via Twin Otter will also be explored once on site.</p>

• Location Information •

Please visit <http://www.vecopolar.com> and navigate to the Greenland menu for en route and location-specific Greenland information. Prior to deployment, your entire field team should be familiar with the content of the *Greenland Guide* and, if traveling to Summit, with the guidelines provided in the *Summit Users’ Guide*. Both are available electronically via our web site’s Greenland menu.

• Cargo and Customs •

All cargo required for your project should arrive in Scotia, NY, **no later than 2 weeks prior** to the desired northbound Air National Guard (ANG) flight, must be entered into our online Cargo Tracking System, and must be properly registered with Customs.

- ✓ For the most current ANG flight schedule go to <http://www.vecopolar.com> and navigate to Greenland > Calendars/Schedules.
- ✓ If you are a new user requiring access to the Cargo Tracking System, contact Robin Abbott (robin@polarfield.com).
- ✓ Customs instructions are available on our website at <http://www.vecopolar.com> (go to Greenland > Customs)
- ✓ For Customs requirements please refer to the *Greenland Guide*, also available at <http://www.vecopolar.com> under Greenland.

The following is our current understanding of your overall cargo requirements:

Cargo List

Items	Weight
To APLIS and NPEO - video/audio gear in approximately 3 small cases, as well as cold-weather clothing and personal gear.	75 lbs
To Greenland via the 109 th Air Guard - video/audio gear in approximately 3 small cases as well as personal gear. Cold-weather clothing will be allocated in Kangerlussuaq.	50 lbs

• Support Schedule •

Date	Location	Activity
APLIS Project:		
02 April	Deadhorse/APLIS	Art Howard to fly to APLIS camp -(point of contact on site is Jenny Hutchings)
10 April	APLIS departure back to Deadhorse	Art Howard
North Pole Project:		
12-23 May	Arrive/Depart Resolute	Brian Igelman to join NPEO personnel in Ottawa before flying to Resolute – (point of contact on site is Andy Heiberg)
14-21 May	Borneo / mooring camp	Brian Igelman
Greenland Projects:		
6 May	NY > Kanger	Doug Quin and Ryan Vachon
7/8 May	Kanger > Raven	109 th flight to Camp Raven to observe operations there; Space Science Symposium activities in Kangerlussuaq
9 May	Kanger > Anandakrishnan camp	Fly into camp on last Twin Otter flight of the day
11 May	Anandakrishnan camp > Swiss Camp	Twin Otter from Mosley-Thompson camp will stop and pick up Quin and Vachon at the Anandakrishnan camp. They will then be flown to Swiss Camp to visit Neumann, Catania, & Steffen.
14 May	Swiss Camp > Ilulissat	Helicopter to Swiss Camp arriving approximately 1615 to pick up Quin and Vachon and return to Ilulissat.
14 May	NY > Kanger	Geoff Haines-Stiles arrives in Kangerlussuaq
15 May	Ilulissat > Kanger	Air GL commercial flight from Ilulissat > Kanger (Quin and Vachon)
17 May	Kanger > Summit	Flight to Summit Station (Haines-Stiles and Vachon)
19 May	Kanger > NY	109 th Air Guard flight back to NY (Doug Quin)
4 June	Summit > Kanger	Flight from Summit Station to Kangerlussuaq (Haines-Stiles and Vachon)
5 June	Kanger > Mosley-Thompson camp	*Tentative option: Twin Otter to drop off one team member at the Mosley-Thompson camp (use Steffen pull-out Otter)
5 June	Kanger > Ilulissat	*Tentative option: Commercial flight for one team member to Ilulissat to join David Holland team working in Disko Bay.
7 June	Ilulissat > Kanger	*Tentative option: Air Greenland flight scheduled for 1600 to Kangerlussuaq for one team member
7 June	Mosley-Thompson camp	*Tentative option: Twin Otter to pick up one team member at Mosley-Thompson camp (use Anandakrishnan pull-out Otter)
8 June	Kanger > NY	109 th C-130 flight south to NY (Haines-Stiles and Vachon)

***Since schedules have not been confirmed by some projects, tentative options are being explored for 5-7 June to determine feasibility, assess budgetary constraints, explore scientific interest and impacts, etc.**

• Field Team Information •

Name	Location	Date In	Date Out	Email/Comment
Howard, Art	Deadhorse / APLIS	04/02/07	~04/16/07	art@artworkhd.com
Igelman, Brian	Ottawa / Resolute	04/12/07	04/23/07	sopolar@msn.com
Igelman, Brian	Borneo / North Pole	04/14/07	04/22/07	
Quin, Douglas	Kangerlussuaq	05/06/07	05/19/07	doug@dqmedia.com
Quin, Douglas	Visiting Ilulissat area science projects	05/ 09/07	05/14/07	

Haines-Stiles, Geoff	Kangerlussuaq	05/14/07	06/08/07	ghs@passporttoknowledge.com
Haines-Stiles, Geoff	Summit	05/17/07	06/04/07	
Vachon, Ryan	Kangerlussuaq	05/06/07	06/08/07	Ryan.vachon@colorado.edu
Vachon, Ryan	Summit	05/17/07	06/04/07	
Howard, Art	Bering Sea Cruise	05/16/07	06/01/07	art@artworkhd.com
Turco, Kathy	Bering Sea Cruise	5/16/07	06/01/07	
TBD	Barrow	5/25/07	06/01/07	Logistics are being set-up with BASC. Early season (Mar/Apr) postponed due to lack of researchers on site. Possibly 2 people to visit with Divoky / Oechel projects in June/July

• Project Contact Information •

Research Team

Role	Name	Email	Phone / Fax
Co-PI	Erna Akuginow	ptkea@aol.com	973 656-9403 /
Co-PI	Jayne Aubele	jayne.aubele@state.nm.us	505 841-2840 / 505 841-2866
Principal Investigator	Geoffrey Haines-Stiles	ghs@passporttoknowledge.com	973 656-9403 /

VPR Team Members

Contact for	Name	Email	Primary Phone(s)
Greenland operations and overall project support	Robin Abbott	robin@polarfield.com	Denver: 303.748.8507 Greenland: 011.299.524218
Greenland operations	Jason Buenning	jason@polarfield.com	Denver: 720.320.6160 Greenland: 011.299.524281
Summit operations	Sandy Starkweather	sandy@polarfield.com	Denver: 303.518.8714
APLIS/NPEO	Tom Quinn	tom@polarfield.com	Denver: 303-883-8152
Medical & MAS	Kyli Olson	kyli@polarfield.com	Denver: 303.489.2151
Denver operations	Jill Ferris	jill@polarfield.com	Denver: 720.320.6155
Scotia Operations & Customs	Earl Vaughn	earl.vaughn@gmail.com vprscotia@hughes.net	Scotia: 518.331.3103

VPR Offices

Denver	Kangerlussuaq	Scotia
VECO Polar Resources Western Office 8110 Shaffer Parkway Suite 150 Littleton, CO 80127 Tel: 303.984.1450/1439 Fax: 303.984.1445	VECO Polar Resources Attn: Name of Employee/Researcher Postboks 1015 DK-3910 Kangerlussuaq, Greenland Tel: 011.299.841598 Fax: 011.299.841599	Earl Vaughn C/O 109 th Aerial Port Bldg. 20 Stratton Air Base Scotia, NY 12302-9752 Tel: 518.331.3103 Fax: 518.334.2537

Summit Station

Summer
VECO Polar Resources Attn: Name of Employee/Researcher - Summit Station C/O Earl Vaughn 109 th Aerial Port Bldg. 20 Stratton Air Base Scotia, NY 12302-9752 Tel: 518.331.3103 Fax: 518.334.2537

Other

Organization	Internet	Phone
Summit Science Coordination Office	http://www.geosummit.org sco@geosummit.org	John Burkhart 209.658.7142

• Safety, Environment, Health, and Permitting •

Medical Clearance

Arctic Program participants traveling into the Greenland field are generally required to pass a National Science Foundation (NSF) mandated physical exam. All field team members should plan to complete their medical clearance process 8-6 weeks prior to their travel to Greenland. For more information refer to VPR's *Greenland Guide*, available at <http://www.vecopolar.com> under Greenland.

• Critical Success Factors •

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

Factors for 2007 (will be rated at the end of the field season: excellent, good, fair, poor)
Planning field season prior to field deployment /shared information about science group schedules
Logistics support arranging shared Twin Otter and helicopter flights
Crew/personnel travel logistics
Logistics and communication support in Kangerlussuaq
Communication support for IPY education and outreach (SRI staff)
Office support at KISS / Summit (email, phone, fax)
Advice on required permits
Input on general Greenland logistics projects

• Government Performance and 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 VPR's performance is a "facility-performance metric" which counts the number of productive days your project has in the field while relying on VPR facilities or support. Please keep track of any "lost days" and report these to us at the end of the season.