

# ***Live from IPY!***

*with Misty Nikula*

***Live from the Kuril  
Islands, Russia!***



***30 July 2007***

***(5 A.M. July 31 in the Kuril Islands)***



**Welcome to Wimba!**



Arctic Research Consortium of the United States

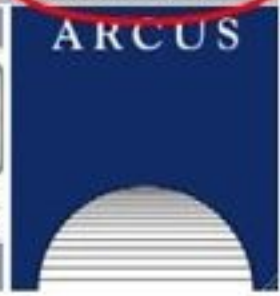
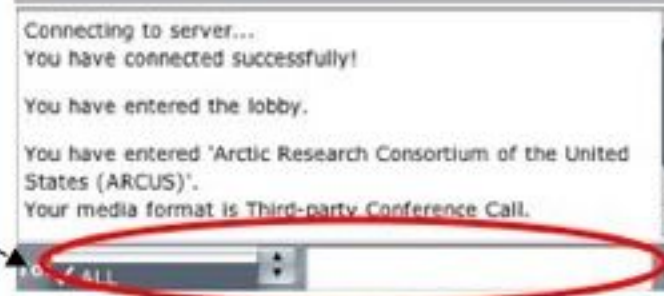
Raise your hand to ask a question

List of all participants

Return to the Lobby or Exit

Slides will be shown here

'Chat' with one person or the entire group







## *What is PolarTREC?*

PolarTREC is a professional development experience in which K-12 teachers are paired with researchers in authentic polar research experiences.

In the next three years 36 teachers from around the United States will join scientists in the Arctic and Antarctic in celebration of the International Polar Year!

***[www.polartrec.com](http://www.polartrec.com)***



# *The PolarTREC Team*



**Wendy Warnick**  
PolarTREC PI  
Executive Director



**Helen Wiggins**  
Program Coordinator



**Janet Warburton**  
PolarTREC  
Project Manager



**Katie Breen**  
PolarTREC  
Project Manager



**Kristin Fischer**  
PolarTREC  
Project Assistant



**Ronnie Owens**  
Web Developer



**Ben Wade**  
Web Developer



**Tina Buxbaum**  
Electronic Media  
Project Manager



**Zeb Polly**  
Systems Administrator



**Joed Polly**  
Video Production

...with help from  
the entire staff  
at ARCUS





# ***International Polar Year (IPY)*** ***2007-2009***

The International Polar Year (2007-2009) is an exciting scientific campaign focusing on the world's polar regions!

IPY is a time for discovery, science, learning, and awareness about the polar regions with activities for youth, scientists, and the public.

***[www.ipy.org](http://www.ipy.org)***



## *Who are we talking with today?*



**Teacher**

**Misty Nikula**

Whatcom Day Academy  
Washington



**Researcher**

**Ben Fitzhugh**

University of Washington  
Washington



**Researcher**

**Mike Etnier**

University of Washington  
Washington



**Researcher**

**Jody Bourgeois**

University of Washington  
Washington

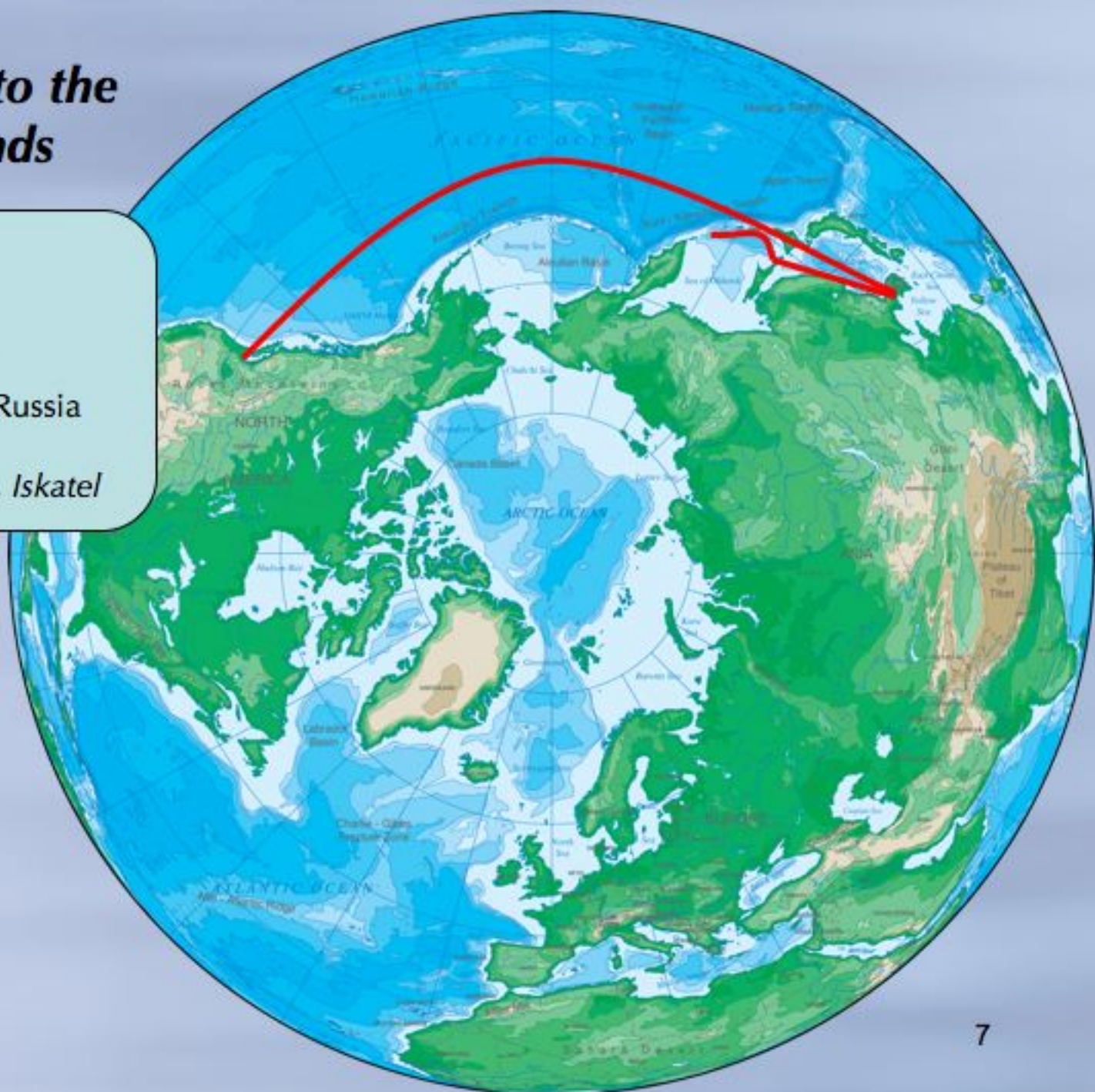
# *Misty's Trip to the Kuril Islands*

Seattle, WA

Seoul, South Korea

Yuzhno-Sakhalinsk, Russia

Kuril Islands via ship, *Iskatel*





# Kuril Islands





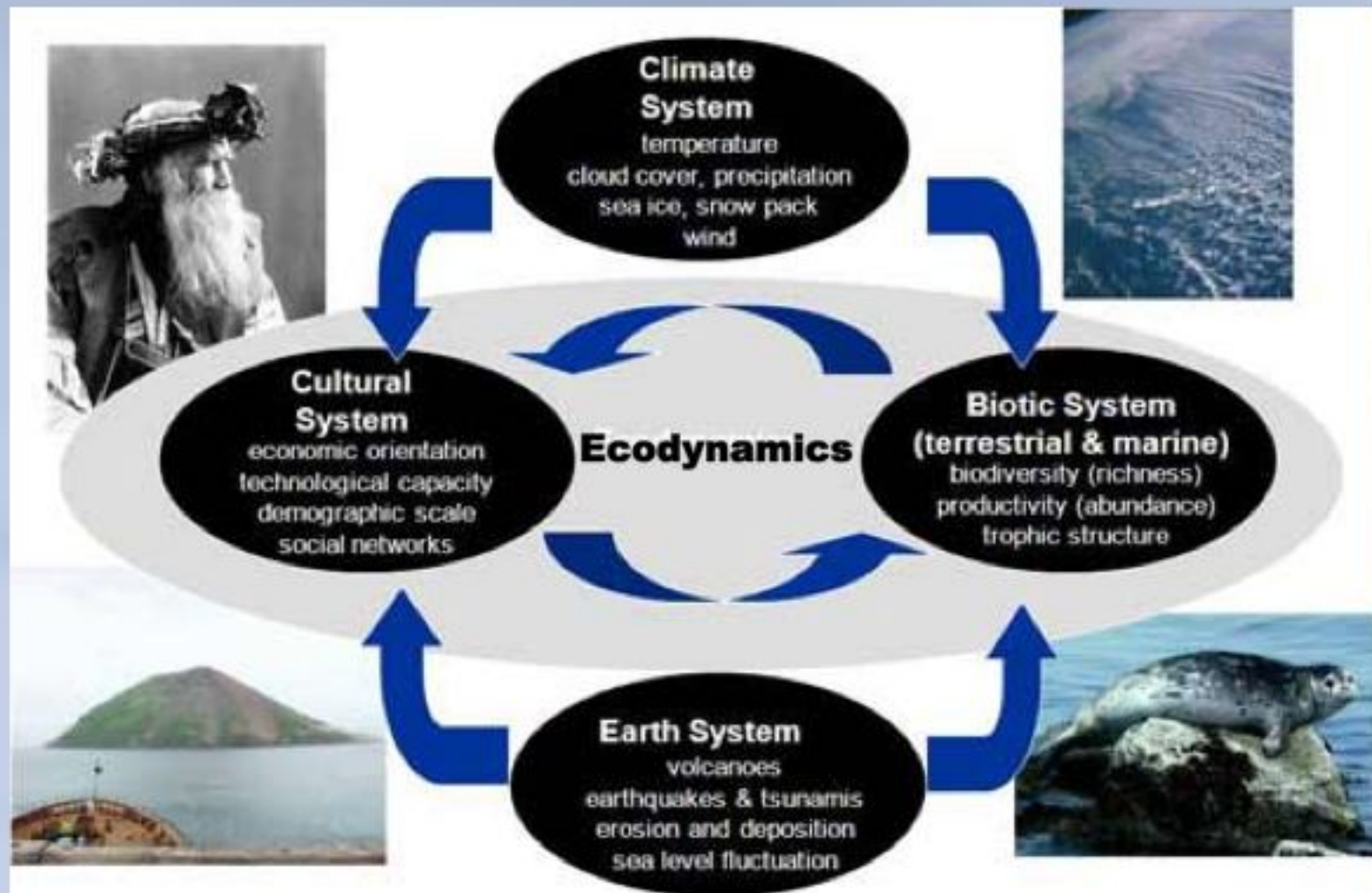


Port of Korsakov, Russia



The *Iskatel*

# *What is the Kuril Island Biocomplexity Project?*



**Schematic representation of system components for modeling the historical ecology of the Kuril Islands and similar contexts**



## *Biocomplexity and Human-Environment Interactions in the Kuril Islands, Russia*



### *Goal of the project:*

*To use the relatively “simple” Kuril Island system to generate knowledge about cultural and ecological vulnerability and resilience that can be adapted to larger and more complex systems... Like the Bering Sea.*

### *Dates:*

*11 July - 23 August 2007*

### *Location:*

*Kuril Islands, Russia*

# Factors in Kuril Island Biocomplexity

- **Climate Change**
  - Temperature
  - Precipitation
  - Storminess
- **Ocean Systems**
  - Ocean currents
  - Water column movement
  - Sea ice
- **Earth Systems**
  - Ecological enrichment/destruction
  - Catastrophic events
  - Geography
- **Marine Food Chains**
  - Productivity
  - Complexity
  - Influence on Terrestrial and Human systems
- **Terrestrial Food Chains**
  - Productivity
  - Complexity
  - Impact on Marine and Human Systems
- **Human Productivity**
  - Movement and adaptation
  - Cultural response systems
  - Impact on Marine and Terrestrial systems

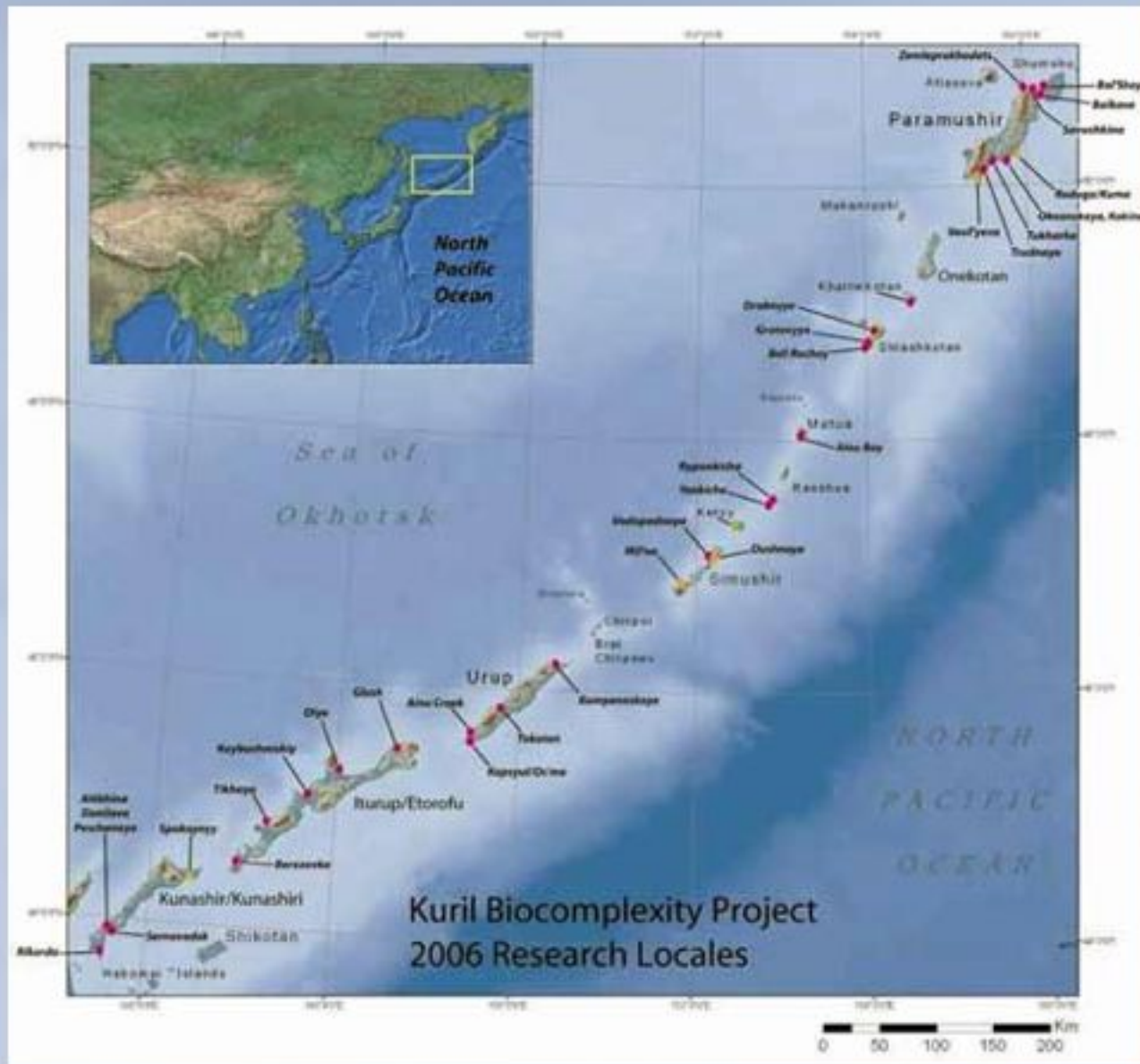


# 2006 Work in the Kurils

- First of three field seasons- Main Goal: collect samples (artifacts, faunal material, tephras, etc.) from many locations in order to identify the most promising locations for more intensive study in future field seasons
- Worked with geology team doing excavations and topographic profiles, archaeologist team digging test pits and excavating midden sites as well as with palynologists assisting with lake sediment coring.



# 2006 Work Sites





# 2007 Work at Vodapadnaya



# *Vodapadnaya* Archaeological Site

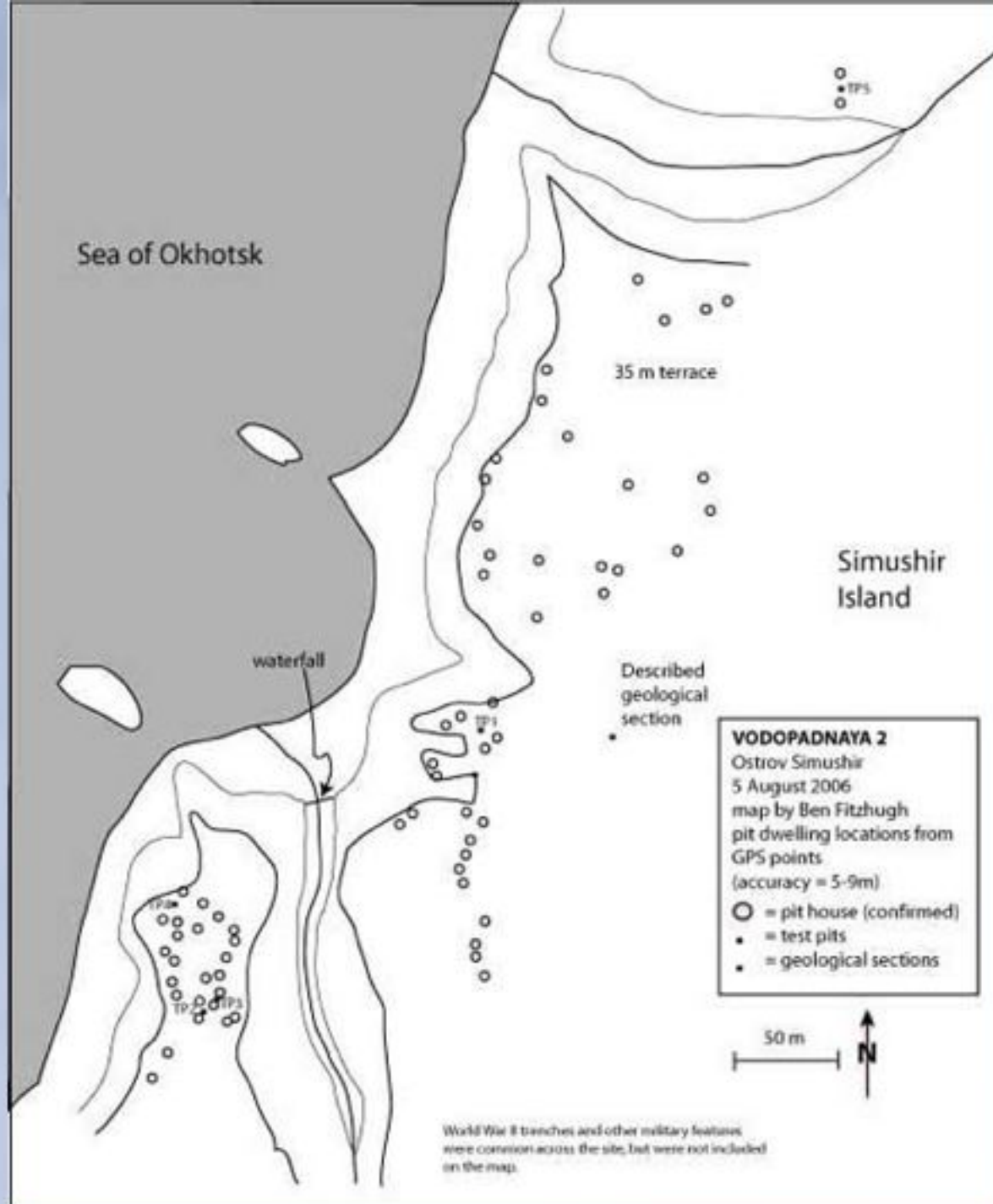




# *Working at the Site*



# Voda Map





# *Work Done So Far*









A photograph of a soil profile, showing a cross-section of the ground. The top layer is dark brown, moist soil. Below it is a lighter, more granular layer. The bottom layer is a dark, almost black, silty clay. Several dark, angular rocks are scattered throughout the soil profile. The word "Questions?" is overlaid in white, bold, italicized text in the upper-middle part of the image.

*Questions?*

*Check out and register for upcoming events!*



[www.polarrec.com](http://www.polarrec.com)



*Thank  
You!*



*If you have further questions,  
please contact us at  
[info@polartrec.com](mailto:info@polartrec.com) or call  
1-907-474-1600*

