SUPPLY LIST FOR 2015 PRECAMBRIAN FIELD CAMP

Geology Field Gear
Backpack/Rucksack (rugged enough to carry up to 20 lbs and 2 liters of water)
Personal First Aid Kit
Hand lens (10x)
Hammer w/ belt holster (2.5lb. “blacksmith” sledge is best for crystalline rocks; can be purchase at a general hardware store, e.g., Home Depot carries a Stanley 2.5lb sledge for ~$15)
Orienteering compass - Silva Explorer (shown below) is an ideal compass and best value

Notebook/pencil pouch (leather or nylon; should hold 5”x7” notebook and 4-6 pencils; not necessary if you have a field vest, see below)
Mechanical pencils (bring several 0.5mm pencils and extra leads)
Flash Drive (2GB minimum)
Field hat (short brimmed canvas hat best in woods; e.g. Tilley hat)
Rain gear (separate jacket and pants; do not use expensive gear as it will get torn)
Waterproof hiking boots (over the ankle is best)
Bandana
Water bottles (2 qts minimum)
Watch
Small flashlight
Pocket knife
Waterproof matches
Insect repellent (lotion or spray; 20-30% DEET)
Sunscreen (15-30 SPF)

Optional
Digital Camera (camp will provide cameras if you do not have one)
Field vest (canvas or cordua nylon fabric is best);

From Forestry Suppliers (~$60 each)
10.1 Ounce Cotton Army Duck – Orange or Tan Made of 100% pre-shrunk 10.1 ounce Cotton Duck fabric, these heavy-duty vests will stand up to most anything. Fabric is mildew-resistant.

WE WILL ORDER AN ORANGE VEST FOR YOU IF YOU LET US KNOW BEFORE JUNE 15TH.
**Will be Supplied**
Brunton compass  
GPS unit  
Digital camera  
Photo scale card  
Sample bags  
Field notebook  
Pen magnet  
First Aid Kit refills  
Colored pencils  
Micron mylar film pens  
Map board  
Flagging tape

### Geological Supply Websites
Miners - [http://www.minerox.com](http://www.minerox.com)  
Chaltrek - [http://www.chaltrek.com](http://www.chaltrek.com)  
CGS Mule - [http://www.cgsmule.com](http://www.cgsmule.com)  
Forestry Suppliers - [http://www.forestry-suppliers.com](http://www.forestry-suppliers.com)

**Personal Gear**
Sleeping bag (rated to 20°F)  
Sleeping pad or cot (for camping)  
Pillow  
Radio alarm clock  
Bedding for twin beds at Vermilion Comm. College dorms; may substitute sleeping bag if you prefer (bedding will be provided at UMD)  
Towels - for bathing and swimming; towels will be provided at UMD dorms  
Toiletries - toothpaste, toothbrush, deodorant, shampoo, hand soap, …  
Medications - Tylenol, cold medicine, Benadryl  
Field clothing - long pants and long sleeved shirts are recommended for summer field work in northern Minnesota forests; for some projects, shorts and T-shirts may be OK, but these are the exceptions.  
Window or desk fan (optional) – Dormitories are NOT air conditioned and some days can get quite warm.  
Tent (optional) - 2-4 person, lightweight; for possible use during Capstone Mapping Project

**Sports and Recreational Equipment (optional)**
Sportsgear - **baseball mitt***, hacky sack, frisbee,(sportsgear for volleyball (ball and net) and softball (balls and bats) will be provided)  
Sportswear - athletic shoes, shorts, T-shirts  
Fishing gear (will need MN license)  
Musical instrument - guitar, harmonica, ...  
Games - playing cards, small boardgames, hand-held video game players  
Music - iPod and other MP3 players  
Laptop computer - wireless access is available at UMD and VCC for personal laptops (if you do not have a laptop, computers will be available throughout camp)

* mitts needed for annual softball game in Ely.