

Appendix A

Field Planning Aid

Equipment Weight and Cubic Feet

Tents:	Wt/lbs	CU
Endurance tent, 8'x16'	65	20
Endurance tent, 8'x21'	75	25
Polar tent: 2-3 person with lines and poles	80	15
Bag of 18 stakes	20	2
Mountaineering tents: NF VE-25, Sierra Designs-Stretch Dome, and Sphere Expedition 3-person with poles and fly	10	2

Two-Person Kitchen Box: 52 lbs, 2 CU

1	Each	Basin, washtub
1	Each	Bottle/can opener
2	Each	Bowls with handles
1	Each	Can opener, handheld
20	Each	Clothes pin
1	Each	Coffee pot, stainless
1	Each	Cookset; 5 qt & 4 qt, w/lids
1	Each	Corkscrew
1	Each	Cutting board
1	Bottle	Dish soap
8	Each	Dish towels
1	Roll	Foil

4	Each	Forks
1	Each	Frying pan, teflon
2	Each	Hand soap
1	Packet	Handi-wipes
1	Each	Knife, cook's
2	Each	Knife, steak
1	Each	Knife sharpening stone
1	Each	Ladle
1	Each	Mirror
2	Each	Mixing bowls/Tupperware, w/lid
2	Each	Mug, thermo-insulated, w/lid
1	Each	Pie pan
3	Each	Plate, hard plastic
2	Each	Pot holders
2	Each	Pot scrubbers
1	Each	Pressure cooker, 4 qt, w/instructions
1	Each	Rubber scraper
1	Each	Snow melting pot, 10-quart
1	Each	Spatula
2	Each	Sponge w/scrubber
1	Each	Serving spoon, large
1	Each	Serving spoon, perforated
1	Each	Strainer
3	Each	Tablespoon
1	Each	Toaster, stove top

Four-Person Kitchen Box: 65 lbs, 2 CU

1	Each	Basin, washtub
1	Each	Bottle/can opener
8	Each	Bowls, with handles
1	Each	Can opener, handheld
20	Each	Clothes pin

1	Each	Coffee pot, stainless
1	Each	Cookset: 5 qt, 4 qt, 2 qt, with lids
1	Each	Corkscrew
1	Each	Cutting board
1	Bottle	Dish soap
8	Each	Dish towels
1	Roll	Foil
6	Each	Forks
1	Each	Frying pan, teflon
1	Each	Hand soap
1	Packet	Handi-wipes
1	Each	Knife, cook's
2	Each	Knife, steak
1	Each	Knife sharpening stone
1	Each	Ladle
1	Each	Mirror
4	Each	Mixing bowl, Tupperware, w/lid
4	Each	Mug, thermo-insulated, w/lid
1	Each	Pie pan
6	Each	Plates, hard plastic
2	Each	Pot holder
2	Each	Pot scrubber
1	Each	Pressure cooker, 4 qt, w/instructions
1	Each	Rubber Ssraper
1	Each	Snow melting pot, 10 qt
1	Each	Spatula
2	Each	Sponge w/scrubber
1	Each	Serving spoon, large
1	Each	Serving spoon, perforated
1	Each	Strainer
6	Each	Tablespoon
8	Each	Teaspoons
1	Each	Toaster, Stove Top

Basic Tool Kit: 18 lbs, 1 CU

1	Set	Allen Key, Standard
1	Each	Channel Lock
1	Each	Crescent Wrench: 4", 8", 12"
4	Each	Emery Paper: 2 Coarse, & 2 Fine
1	Each	File: Flat & Round
1	Each	Hacksaw with 3 Replacement Blades
1	Each	Hammer, Claw
1	Set	Jeweler's Screw Driver Set
4	Each	Pliers: 1 Diagonal Cutter, 1 Needle Nose, Slip Joint and Vice Grips
1	Each	Razor Knife
1	Each	Scissors
5	Each	Screw Driver Sets: 2 Phillips Head, & 3 Slot Heads
1	Each	Tape Measure
1	Roll	Wire: 16 Gauge
1	Each	Wonder Bars

Stoves:	Wt/lbs	CU
Coleman: White Gas, 2-Burner	7	2
Coleman: Propane, 2-Burner	7	2
Optimus 111	2	.25
MSR WhisperLite	1	.25
MSR XGK	1.5	.25
Petroleum Naptha (White Gas) (1 gallon can)	7	1
Propane: Disposable Cartridge (4.24 lb./gallon)	2	1
25 lb. Cylinder	41	4
100 lb. Cylinder	196	5

200 lb. Cylinder	367	13
Fire Extinguishers, Ansul (2.5 lbs)	5	1
Communications:	Wt/lbs	CU
Transworld PRC 1099	25	2
Saber and MX300 Motorola, Hand-Held	3	.25
Ice Drilling Tools:	Wt/lbs	CU
Kovacs Auger, Bit & 1 Extension	3	1
Each Additional Extension	2	1
Sipre Ice Auger Kit: 4-1/2" OD for 3' Core, 5 Ext. for 6-m Drilling Depth	90	4
Sipre Ice Auger Extension Set (21 each - 1-m Ext.)	80	5
Motor for Auger, 3/4" Drill for Sipre Auger (8.5A - 110V)	1	2
Cobra Drill	63	10
PICO Ice Core Kits, 20m	90	5
PICO Ice Core Kits, 50m	208	15
Chisel Bar, 48" Long	7	1
Transportation:	Wt/lbs	CU
Komatik Sled	350	12
Nansen Sled	100	40
Nansen Sled Cargo Tank	30	10
Maudheim Sled	650	100
Siglin Sled	60	4

Elan Snowmobile	290	85
Cheyenne Snowmobile	465	114
Alpine I	650	115
Alpine II	770	175
Skandic	570	138
Tundra II	377	138
Tucker Sno-Cat (4 cyl.)	11800	900
Tucker Sno-Cat (6 cyl.)	13300	900
Spryte	6500	780
Loader,CAT 931	19260	750
5-Ton Sled	8560	350
ASV Trailer	2000	350
.65Kw Generator	1100	16
20.0Kw Generator	1400	22
30.0Kw Generator	1764	25
40.0Kw Generator	1810	25
Jiffy (ice auger)	25	1.5
Bit 4"	10	2
Bit 10"	10	2
Extension 4"	10	2
Extension 10"	10	2
Chainsaw	25	3
Herman Nelson	272	20
Hole Melter	450	18
(Hotsy)	305	18
Hand Winch	30	5
Jackhammer	75	7
Dive Compressor	250	20
12v Battery	7	2
Battery, CAT 4-D	19	6
30wt Solar Panel	2	.5
250wt Inverter	1	.5
Battery Charger	5	1
Jumper Cables	5	.5

Snowmobile Tool Kit: 7 lbs, 1 CU

- 1 Set Allen Key, Metric
- 1 Each Carburetor Repair Kit, Mikuni
- 1 Each Electrical Contact File
- 1 Each Feeler Gauge
- 1 Each Extension Bar For Socket Set: 10.5"
- 1 Bottle Loctite
- 1 Each Magnetic Screwdriver Set
- 1 Each Reversible Ratchet
- 4 Each Sockets, Metric: 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm
- 3 Each Sockets, Standard: 1/2", 7/16", 9/16", 3/8"
- 1 Each Spark Plug Wrench
- 1 Each Universal Joint for Socket Set
- 4 Each Wrenches, Metric: 10mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm
- 3 Each Wrenches, Standard: 1/2", 7/16", 9/16"

Hazardous Cargo Examples

Hazardous Goods:

Automotive:
• (Lead/Acid) Batteries
Bleach
Catalytic Heaters
Compressed Gases
Explosives
Fire Extinguishers
Flares, Roadside

Hazardous Chemicals:

Acetone
Benzene
Carbon ice (Dry Ice)
Chloroform
Ethanol
Ether
Formaldehyde, 37%
Formalin, 10%

Gel Cell Batteries	Glutaraldehyde
Generators	Hydrochloric Acid
Herman Nelson Heaters	Isopropyl Alcohol
Jiffy Powerhead	Methyl Alcohol
JP-8 Fuel	Methyl Ethyl Ketone
Matches	Nitric Acid
Kerosene	Perchloric Acid, 60-62%
Lithium Batteries	Radioactives
Meta-paste	Sulfuric Acid
Mogas (Gasoline)	
Propane	
Propane Torch Kit	
Scuba Tanks	
Snowmobiles	
Stoves:	
• Coleman 2-Burner	
• Coleman Propane	
• MSR WhisperLite & XKG	
• Optimus 111	
WD-40	
White Gas	