Appendix 1: Trap Materials and Diagrams

Raw Materials Per Trap

Traps
- thread—polyester or nylon
- polyester horse-hair seam braiding (0.67 yards)
- grommets for collar and grommet tool (8 grommets)
- "no-see-um" mosquito netting—100% polyester, gray or white (1.5 yards)
- waterproof coated ripstop nylon—light or medium weight (0.5 yards per trap)
- heavy duty sewing machine needles

Rain Caps
- clear plastic vinyl (0.67 yards)
- thread
- fiber glass kite rods for support (1.37 m rod cut into 4 pieces 33 cm long)

Support Ring
- rust-proof fencing wire to make top and bottom support ring (each ring 29 cm in diameter, quantity: 2)
- 5 cm of 3/16 inch diameter aluminum tubing to link ends of wire—same gage as wire (quantity: 2)
- "zip-a-grip glue" (purchased at kite-making store)

Base
- 1 plexiglass square (51 cm by 51 cm)
- 1 stainless steel eyebolt and nut
- 1 stainless steel fender washer
- 1 red plastic bait bowl

Net Suspension System
- dacron or nylon string (6.7 m)
- 1 top hanging ring
- 4 plastic toggle cord locks
- 2 straws
- Tangle Foot
- utility cord for hanging traps from trees and anchoring to ground—nylon or polyester

Equipment Suppliers
Seattle Fabrics: www.seattlefabrics.com
Home Depot
Ace Hardware
Kite making supplier
Trap Construction—Trap Pattern Layout and Dimensions

C. Trap Top

33 cm diameter

D1. Top Support Ring

29 cm diameter

B. Trap Center

29 cm diameter

25 cm opening

A1. Top Collar

A2. Bottom Collar

D2. Bottom Support Ring

10 cm

96.5 cm

94 cm

96.5 cm

96.5 cm
Assembly Diagram

- Straw with tangle foot
- Nylon cord connected to upper trap
- Hanging ring
- Nylon string
- Upper collar
- Grommet hole
- Mosquito netting
- Opening for hand access 25 cm
- Opening between bottom of lower collar and plastic platform 5 cm
- Plexiglass platform
- Bowl for bait
- Hole in plexiglass platform
- Nylon string
- A sliding toggle used on each string beneath platform to hold in place
- Eyehook and nut

Length of cylinder 99 cm

Diameter of upper and lower ring 29 cm
Trap Photographs

Photograph of fully assembled trap

Photograph of trap entry point