

Predator Guards

should include Predator Guards! raccoons from entering your nest box. All boxes of a successful hatch by preventing egg-eating A predator guard will help to improve the chance

GALVANIZED SHEET METAL CONE

pole size. Remove an 8"slice from the circle, join the edges to form the cone sheet metal. Cut an appropriately-sized hole in the middle to accomodate This is the most effective predator deterrent. Cut a 36" diameter circle of

STEEL SHEET SANDWICH

36" x 49" sheet of 28-gauge steel

- Fold the sheet in half along the 49" length, creating a front and a back, each 24" wide
- Along one 36" side, make a 1" fold towards the inside centre
- Drill two holes, 34" apart (see diagram)
- pieces and prevent the guard from opening. side under the 1" fold. Using vice-grips, bend the corners in to lock these Place your guard so it surrounds the pole or tree trunk. Slip the unfolded
- Pole mount: bolt the guard into place about 2" below the nest box.
- often to ensure tree growth hasn't popped the guard off. Tree mount: nail the guard in place—if the tree is alive, check the guard

PLASTIC PIPE GUARD

small rodents from crawling through, place a crumpled piece of chicken wire and bolted to the tree or pole makes an effective predator guard. To prevent Metal or plastic pipe (stove pipe, sewer pipe) drilled at the top and bottom between the pole and the guard.

NEST BOX MAINTENANCE: A LONG-TERM COMMITMENT

tighten any loose screws and mounts, and add new wood shavings limited in number. When they find a good nesting site, there is a Once a cavity nesting bird starts using your box, you'll likely see Fall and winter are the best times to remove old nesting material, up a nest box you are committing yourself to maintaining that box very good chance they'll return in following years. When you put many broods raised over the years.Nesting sites for these birds are

when somebody might be popping in! good reason to keep your boxes in top condition. You never know fall scope out potential nesting sites for next spring. This too is a worry. Waterfowl biologists have seen waterfowl migrating in the If you don't have any ducks using your box over the summer, don't

THIS INFORMATION HAS BEEN COMPILED FROM THE NEST BOX GUIDE FOR WATERFOWL BY DUCKS UNLIMITED AND THE CANADIAN WILDLIFE SERVICE, ENVIRONMENT CANADIA; AND A CONSERVATOR ARTICLE BY MEARL ROONEY (VOL.19, NO.3).

abandoned woodpecker holes or natural tree cavities caused by cavity nesting birds such as kestrels, tree swallows, great crested nesting box. Here are plans for a nest box that you can build, disease, fire or lightning. These ducks will also use a constructed flycatchers or screech owls. Ducks Unlimited Greenwing program, may even attract other install and maintain. The design, which is used by the mergansers are all cavity nesting ducks. They build nests in Λ I ood ducks, buffleheads, barrow's gol goldeneyes, hooded mergansers and common Ideneyes, common

CEDAR IS IDEAL

such as pine or plywood. Boxes made of treated lumber. The box pictured uses 10.58 linear feet of 1° x 10° ($3/4^{\circ}$ plastic or metal are not preferred. Avoid insects. You can also use other lumber is naturally resistant to weather and Cedar lumber is recommended because it rough on one side (for the inside of the thick by $9 \frac{1}{4}$ wide) lumber that is

FINISHING TOUCHES

applying a finish to cedar boxes. A finish might help to extend the life of a plywood box. Ducks Unlimited does not recommend

or a light shade of an earth-tone paint. nest box, use a nontoxic wood preserver If you decide to apply a finish to your

has completed,

nesting season fall, after the

Every year in the

the contrast in color caused by the entry hole. Do not apply finish inside the box. The ducks will find your box by seeing

shavings in the by placing four to six inches of wood materials. It's important to help them out Cavity nesting ducks do not carry nesting box.You can find wood ottom of the

during spring and summer.

pet or farm supply store, **Do not use** shavings at your local

ducklings and holds moisture. sawdust. It can



box. Avoid the urge to look into the box mitment once you place your nest your long-term maintenance com-



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Tools and Materials Needed

drill and 1/2" bit handsaw or table saw

screwdriver

sandpaper pencil

measuring tape

wood screws straight-edge

wood 1 each 1 x 10 x 12'

- Measure and cut your wood to produce the material measurements. six pieces. Number the pieces as shown. See
- 2. Attach the back (1) to the side (2) using four screws fastened from the back of the box. See

FLOOR

ROOF

14"

23.5"

9.25"

DOOR

9.25"

9.25"

6

- 3. Drill five 1/2" drainage holes into the floor (3). Attach the floor by fastening two screws through the back and two through the side.
- 4. Draw the entry hole on the front (4) using a and cut out the entry hole using a jig saw. See pencil (4 1/2" x 3 1/2" oval). Drill a pilot hole detailed view. Proper entry hole dimensions
- 5. Score the inside face of the front (4) with a holds when the ducklings climb out. You can also use hardware cloth. saw. The horizontal slots will provide toe-

EXPLODED VIEW—not to scale!

- 6. Attach the front (4) using six screws.
- 7. Round the top outside edge of the door with door shut with a nail from the front or add a the hinge and allow the door to open. Pin the and one from the back. The two screws form door at the top with one screw from the front sandpaper (5). See exploded view. Fasten the

SIDE

BACK

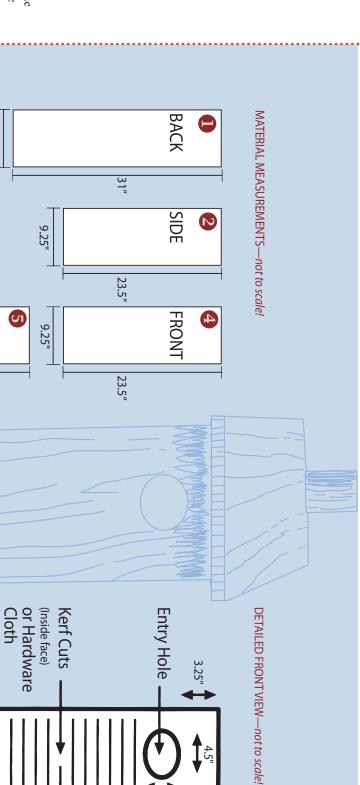
CLEANOUT

8. Attach the roof (6) using four screws from for nesting material. 4–6 inch layer of wood shavings into the box is now ready to install. Don't forget to put a careful not to screw into the door). The box the top and three screws from the back (be

Hinge for Cleanout Door

FRONT

FLOOR











Finding the Right Place

nest box, you need to consider where to install it. convenient for monitoring and annual mainte-Be sure to place the box in a location that will be nance. Now that you've completed construction of your

WHERE TO FIND TENANTS

using wooded wetlands that contain water year round or, at least, throughout be located in an area attractive to cavity nesting ducks. You'll see these birds To increase the chances of your nest box being used by waterfowl, it should lines. the summer. You'll also see them using trees along riverbanks and lake shore-

POSITIONING YOUR NEST BOX

Nest boxes can be mounted on tree trunks or on steel poles beside the water or above the water.

BEST PLACEMENT: boxes on poles near standing, flooded, dead trees GOOD PLACEMENT: a dead tree at the water's edge **BETTER PLACEMENT:** a solid dead tree in the water

Growing trees may loosen mounts and make boxes less attractive to the birds. Live trees can be used for mounting boxes, but keep a close eye on your box.

TREE TRUNKS

on poplar or white birch trees. Beavers eat these trees. Also, avoid placing the branches and gain access to the box. box where stiff branches are close to the box. Raccoons can climb these Live and dead trees are suitable. If beavers are around, don't place nest boxes

STEEL POLES

predator guard (see last page). that the nest boxes are stable. Drill two holes in this pole to accommodate a Make sure the poles are fixed solidly in the soil or marsh bottom, to ensure

- Boxes should be placed above typical high water levels and at a height that to 6 feet above land or water). In terms of distance inland, try to keep your will allow you to access the box for monitoring and maintenance (about 4 box close to the water.
- Clear an unobstructed flight path to your nest box by removing branches that might be in the way.
- The entrance hole to the box should face the water.
- You can tip the box forward a little bit to help the ducklings reach the entrance.
- Ducklings prefer privacy. Don't mount boxes close to human disturbance or close to other nest boxes.