



## OSPREY NEST STRUCTURE PLACEMENT

Placement of nest structures for ospreys affects the chances they'll be used. As a general rule, the closer to water, the better. Colonization of new sites is related to how close ospreys presently nest to the new site, since young birds returning to breed usually take up nesting within one to several miles of their natal area.

Another important consideration is predation. We recommend single pole structures with a platform on top, on mainland areas and any area where raccoons and other predators are present. Single poles are easily outfitted with a predator guard (inverted cone, or a sleeve of aluminum flashing) that prevent raccoons from climbing into the nest. A raccoon has been seen climbing into a 30-foot high nest, so a guard is very necessary on most nests.

An attractive nest, to an Osprey, includes a nearby perch. The male prefers to perch either on the nest or within 50'. A 2x4 that rises two to three feet higher on both sides of the nest platform is ideal, as is a perch pole least 4' in height, placed nearby. A simple perch consists of a 2x4 with a wood branch (1½" to 2" in diameter) mounted perpendicularly on top of the 2x4.

Ospreys generally return to New Jersey in late March and take up nesting in April. Nest structures should be in place by mid-March for that season's use. Ospreys are most sensitive to disturbance during April, when they are laying eggs, and are most likely to abandon the nest if disturbance is too great. They will grow more defensive of the nest area in May and June when they have chicks, and both male and female must feed intensively to keep up with all the appetites. It is important that disturbance remain low during this time as well.

Ospreys have exhibited tolerance of certain types of disturbance, such as boat traffic on waterways, as long as such traffic ignores them. Disturbance increases as boats stop nearby and people focus on the birds at close range. A safe distance from which to observe ospreys will vary depending on the area, but observers must stay beyond the distance at which the adults react. Their reaction must be judged as even their attention to the observer, not simply when they lift off the nest in defense.

You should have permission from the landowner where you install a nest platform. Landowner information can be obtained at the municipal or township office. For lands in state ownership, a special use permit may be required by the Department of Environmental Protection.

If you put up an osprey nest structure, please send GPS coordinates or map in \_\_\_\_\_ and email us the location. We include all potential nest sites in our triennial census of ospreys in the state. If the nest is used by ospreys, please notify us.

Finally, we offer technical assistance to private consulting firms, individuals, school groups, environmental commissions, Boy & Girl Scouts, and anyone else who is interested in building and constructing osprey nesting structures. We can help you choose the most suitable location to place a platform so it will not negatively impact other wildlife that may live in the area.

Please do not hesitate to \_\_\_\_\_ for more information or if you have a question.

For further information, please contact \_\_\_\_\_, Supervising Zoologist, NJ Fish and Wildlife or \_\_\_\_\_, Habitat Program Manager, Conserve Wildlife Foundation of NJ at 609.628.2103.

# OSPREY NEST PLATFORM



2x4"

Use treated or cedar lumber and galvanized hardware

## Side View

Bolt through w/  
3/8" x 8' carriage bolt, each side

## Top View

2x6"x5' board

Optional: Attach Red cedar branches to box instead of wire mesh

Secure with 1/2" x 10" hex or carriage bolt

16' 6x6" pole

Set in ground 4'

Space 2x6" in 3" from edge of box

Attach with 3" stainless wood screws

3' square box cut from one 12' 2x8"

2x6" support underneath box

### Material list for building one Osprey Nest Platform

Item	Quantity	Size	Description	Unit price (approx., 2015)
<i>Lumber</i>				
Pole	1	16'	6"x6" pressure treated	\$55.20
36" Box frame	1	12'	2"x8" pressure treated	\$14.00
Bottom box supports	1	12'	2x6" pressure treated	\$12.00
Perch / brace	2	8'	2"x4" pressure treated	\$8.00
Red cedar branches (or other wood)	2	~3'	about 2" In diameter	n/a
<i>Fasteners</i>				
Base to pole	2	1/2" x 6"	galvanized lag bolts	\$4.60
	2	1/2"	galv. flat washers	\$0.80
Box to base	6	3"	stainless wood screws	
4 box corners	12	3"	stainless wood screws	
	18 total	3"	1 lb. box stainless wood screws	\$15.00
Brace to base	2	3/8" x 8"	galv. carriage bolts	\$5.00
	2	3/8"	galv. flat washers	\$0.40
	2	3/8"	galv. locking washer	\$0.40
	2	3/8"	galv. Nut	\$0.40
	1	10"	galv. hex or carriage bolt	\$7.00
Brace to pole	2	5/8"	galv. flat washers	\$1.40
	1	5/8"	galv. locking washer	\$0.40
	1	5/8"	galv. nut	\$0.80
<i>Predator Guard</i>				
Aluminum flashing *	1	24"x26"	Trim coil (painted)	\$5.00
Nails	5	6d	Galvanized roofing nails (1 lb.)	\$4.00
<b>Estimated Total Cost</b>				<b>\$144.40</b>

\* Trim coil with a 24" width can only be purchased by the roll, which is 50' and is approximately \$75-98\*

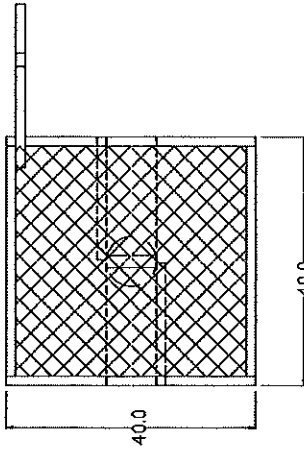
For help with siting a nest platform refer to page 3-4 of this document.  
Please let us know where you place the nest platform(s) and when they are used by a pair of ospreys. We will include the site in our annual surveys.

For a video tutorial on building a platform, visit: [www.nj.gov/education/osprey/](http://www.nj.gov/education/osprey/)

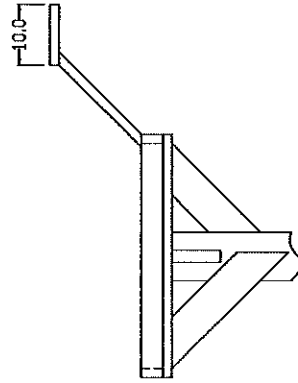
Thank you for helping ospreys in New Jersey!

# OSPREY NEST PLATFORM

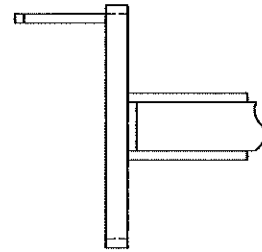




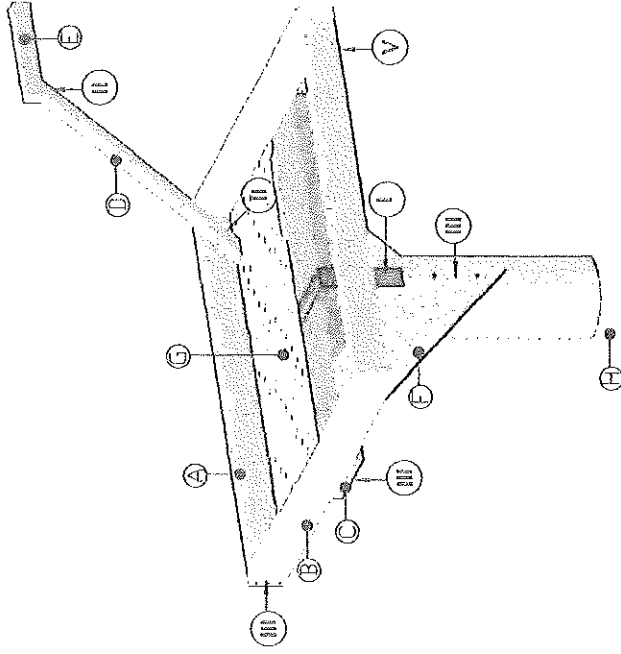
**Top**



**Side**



**Front**



**List of Materials:**

- A) 2ea. 3 7/8" x 2" x 4" pressure treated lumber
- B) 2ea. 40" x 2" x 4" pressure treated lumber
- C) 1ea. 40" x 2" x (6" or 8") pressure treated lumber
- D) 1ea. 24" x 2" x 2" pressure treated lumber
- E) 1ea. 10" x 2" x 2" pressure treated lumber
- F) 2ea. 22" (long side) 5/4" braces cut at 45 degree angles.
- G) 1ea. 40" square of chain link fence
- H) 1ea. 3' x 18" aluminum flashing (optional)
- I) 1ea. 24" galvanized steel strap
- II) 4ea. galvanized screws (3 1/2") or deck screws (pre-drill with 5/8" to prevent splitting)
- III) 32ea. 16 penny galvanized ring shank nails (pre-drill with 5/8" to prevent splitting)
- IV) 20ea. 1-1/8" galvanized fence staples
- V) 10ea. 1 1/4" galvanized strapping nails

THE INTERNATIONAL OSPREY  
FOUNDATION  
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OSPERY PLATFORM  
WOOD POLE MOUNT

DRAWING NO.  
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SCALE N.T.S.

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