

DETERMINING OPTIMAL
PLACEMENT AND ORIENTATION OF
ARTIFICIAL NEST BOXES TO
SUPPORT BARN OWLS WITHIN THE
WILLAMETTE VALLEY

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Barn Owl Life History

- Commensal relationship between barn owls and humans.¹
- Secondary cavity breeder.^{2,7}
- Artificial nest box use.^{2,8}
- Threats to barn owl populations⁴



Photo: K. Parker

Barn Owl Nesting

- Breeding Season and Nesting Cycle^{11,17}
- Egg laying and Clutch hatching^{11,17}



Photo: K. Parker

Site Selection

- Broadcast calling.⁸
- Barn owl temperature preferences.²



Photo: K. Parker

Nest Box Design

- External and internal factors to consider on nest boxes.⁸
- Kleptoparasitic behavior in chicks.¹⁵
- Camera traps and perching sites¹⁸



Photo: The Barn Owl Conservancy

Deploying Nest Boxes

- Placement and orientation.²
- Potential design.^{1,8}

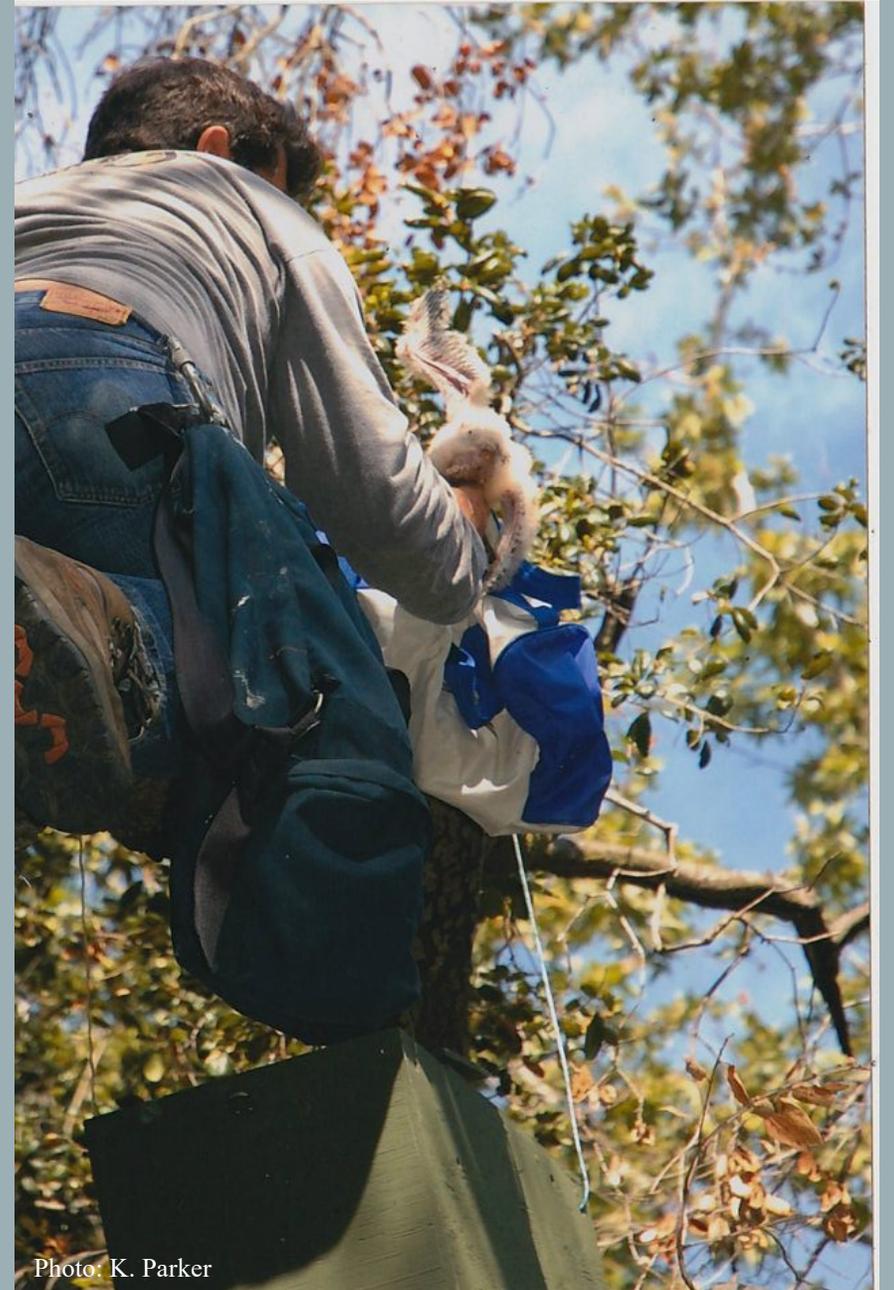


Photo: K. Parker



