Appendix 3. Graphs showing annual mean point density estimates (± standard error) for 56 bird species with sufficient data to estimate trends in at least one of three large national parks of the North Coast and Cascades Network. Estimates are also shown for the three national parks combined. Estimates are based on data from all points (that is, not just from transects with detections).

Sooty Grouse
Band-tailed Pigeon

![Graphs showing density from 2005 to 2012 for different regions: Mount Rainier, North Cascades, Olympic, Combined.](image-url)
Vaux’s Swift

![Graphs showing density over time for Mount Rainier, North Cascades, Olympic, and Combined regions.](image-url)
Rufous Hummingbird

**Mount Rainier**

**North Cascades**

**Olympic**

**Combined**
Red-breasted Sapsucker

Mount Rainier

North Cascades

Olympic

Combined

Density

2005 2006 2007 2008 2009 2010 2011 2012

Density

2005 2006 2007 2008 2009 2010 2011 2012

Density

2005 2006 2007 2008 2009 2010 2011 2012

Density

2005 2006 2007 2008 2009 2010 2011 2012
Hairy Woodpecker

[Graphs showing density trends for Mountain Rainier, North Cascades, Olympic, and Combined areas over the years 2005 to 2012.]
Northern Flicker

![Graphs showing density of Northern Flicker in Mount Rainier, North Cascades, Olympic, and Combined regions from 2005 to 2012. Each graph displays a bar with lower and upper bounds for each year, indicating variability in density.](image-url)
Pileated Woodpecker

![Graphs showing density over time for Mount Rainier, North Cascades, Olympic, and Combined regions.](image-url)
Olive-sided Flycatcher
Western Wood-pewee

Mount Rainier

North Cascades

Olympic

Combined

Density

2005 2006 2007 2008 2009 2010 2011 2012

Density

2005 2006 2007 2008 2009 2010 2011 2012

Density

2005 2006 2007 2008 2009 2010 2011 2012

Density

2005 2006 2007 2008 2009 2010 2011 2012

Density

2005 2006 2007 2008 2009 2010 2011 2012
Hammond’s Flycatcher

[Graphs showing density over years for Mount Rainier, North Cascades, Olympic, and Combined regions]
Pacific-slope Flycatcher
Cassin’s Vireo
Warbling Vireo
Gray Jay
Steller’s Jay

![Graphs showing density of Steller’s Jay over different locations and years.](image-url)
Clark’s Nutcracker
American Crow
Common Raven

![Graphs showing density changes over years for Mount Rainier, North Cascades, Olympic, and Combined areas.](image-url)
Mountain Chickadee

![Graphs showing density over years for different regions.](image-url)
Chestnut-backed Chickadee

Mount Rainier

North Cascades

Olympic

Combined
Red-breasted Nuthatch
Brown Creeper
Pacific Wren
Golden-crowned Kinglet
Ruby-crowned Kinglet
Townsend’s Solitaire

**Mount Rainier**

**North Cascades**

**Olympic**

**Combined**
Swainson’s Thrush

[Graphs showing density over time for Mount Rainier, North Cascades, Olympic, and Combined areas]
Hermit Thrush
American Robin

Mount Rainier

North Cascades

Olympic

Combined

Density

0.05 0.10 0.15
0.2 0.3 0.4
0.2 0.3 0.4 0.5
0.15 0.20 0.25 0.30 0.35

2005 2006 2007 2008 2009 2010 2011 2012

2005 2006 2007 2008 2009 2010 2011 2012

2005 2006 2007 2008 2009 2010 2011 2012

2005 2006 2007 2008 2009 2010 2011 2012
Varied Thrush
American Pipit
Orange-crowned Warbler

![Graphs showing density over years for Mount Rainier, North Cascades, Olympic, and Combined areas. The x-axis represents years from 2005 to 2012, and the y-axis represents density.]
Nashville Warbler
Yellow Warbler
Yellow-rumped Warbler
Black-throated Gray Warbler
Townsend’s Warbler
Hermit Warbler
MacGillivray’s Warbler
Wilson’s Warbler

![Graphs showing density of Wilson’s Warbler across different regions and years.]

- Mount Rainier
- North Cascades
- Olympic
- Combined
Western Tanager

Mount Rainier

North Cascades

Olympic

Combined

Density

Density

Density

Density

2005 2006 2007 2008 2009 2010 2011 2012

2005 2006 2007 2008 2009 2010 2011 2012

2005 2006 2007 2008 2009 2010 2011 2012

2005 2006 2007 2008 2009 2010 2011 2012
Spotted Towhee

![Graphs showing density over time for Mount Rainier, North Cascades, Olympic, and Combined regions.](image-url)
Chipping Sparrow

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**Mount Rainier**

**North Cascades**

**Olympic**

**Combined**

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Fox Sparrow

![Graphs showing population density of Fox Sparrows in Mount Rainier, North Cascades, Olympic, and Combined areas from 2005 to 2012.](image)
Song Sparrow

![Graphs showing density of Song Sparrows over time in different regions: Mount Rainier, North Cascades, Olympic, and Combined.](image)
White-crowned Sparrow

![Graphs of density over years for different locations]

- Mount Rainier
- North Cascades
- Olympic
- Combined
Dark-eyed Junco
Black-headed Grosbeak
Brown-headed Cowbird
Purple Finch
Cassin’s Finch
Red Crossbill

Mount Rainier

North Cascades

Olympic

Combined
Pine Siskin

![Graphs showing density of Pine Siskin in Mount Rainier, North Cascades, Olympic, and Combined regions from 2005 to 2012.](image)
American Goldfinch
Evening Grosbeak