



Wilsonville Wildlife Monitoring

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NATURAL RESOURCES MANAGER

Background

- Boeckman Road (2008)
- Portland State University - Road Ecology
- Kinsman Road (2018)
- Community Wildlife Connection (2023)

Funded by the Wilsonville-Metro Community Enhancement Program

Importance of Habitat Connectivity

Long distance migrations/large home range

Multigenerational migrations

Seasonal migrations

Daily movements

**Habitat Connectivity
is essential for the
long-term survival
of species**



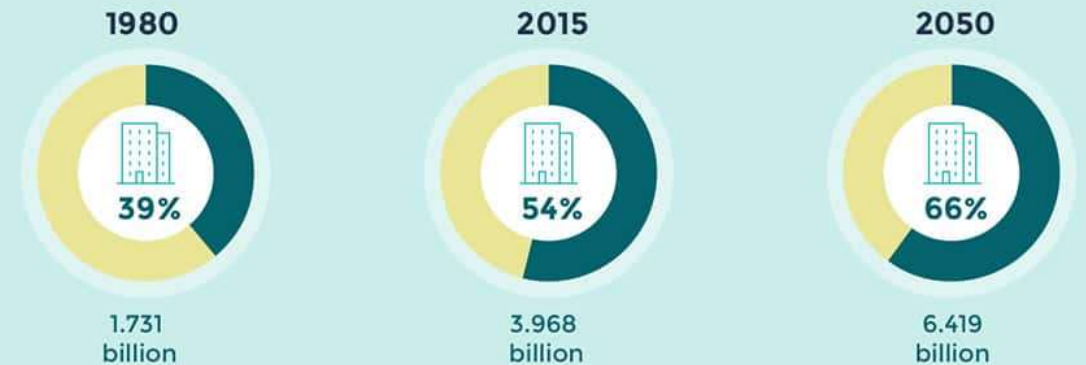
Threats to Habitat Connectivity

Habitat Loss:

- Roads
- Urban Expansion
- Extractive Land Use



Share of the Urban Population Worldwide



Source: United Nations, Department of Economic and Social Affairs, Population Division (2014).
World Urbanization Prospects: The 2014 Revision, custom data acquired via website

Local Scale: Wilsonville is Taking Action to Protect Habitat Connectivity

Preserving greenways and natural areas

Protecting riparian corridors

Including Wildlife Crossing Structures in roadways design



Boeckman Road Wildlife Crossings

Monitoring: 2009-2023

Documented 24 species of mammal, amphibian, and reptile.
Measured wildlife activity with over 13,000 individual tracks







Kinsman Road Wildlife Crossings

Pre-construction data: Oct 2015 to June 2016.

Post-construction: Sept 2018 - 2024

Documented nearly 10,000 (9,883)
wildlife observations during this time



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72°F



HC500 HYPERFIRE

RECONYX

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49°F

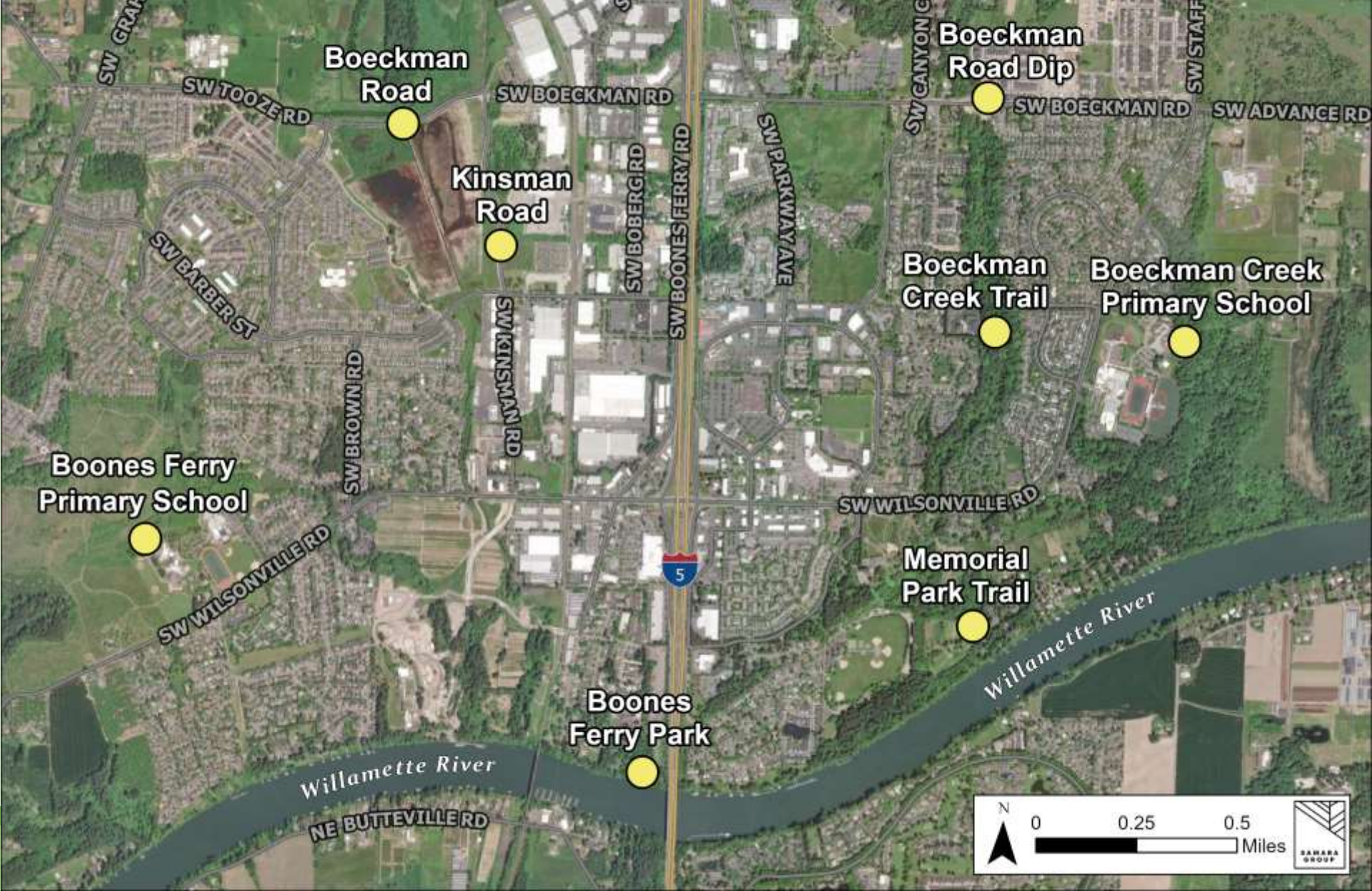


HC500 HYPERFIRE





Aug
2023
to
June
2025



CWC - Boones Ferry Park

Documented: 465 instances of wildlife activity from at least 8 different species



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60°F



HF2 PRO COVERT



CWC - Memorial Park Trail

Documented: 303 instances of wildlife activity from at least 14 different species



CWC - Boeckman Creek Trail

Documented: 600 instances of wildlife activity from at least 12 different species



CWC - Boeckman Dip

Documented: 339 instances of wildlife activity from at least 11 different species



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57°F



HC500 HYPERFIRE

RECONYX

CWC -Boeckman Creek Primary School

Documented: 466 instances of wildlife activity from at least 7 different species



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62°F

CWC -Boones Ferry Primary School

Documented: 622 instances of wildlife activity from at least 11 different species



HF2 PRO COVERT

RECONYX

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50°F



HF2 PRO COVERT

RECONYX

What We Are Learning

- Biodiversity of Wilsonville's greenspaces
- Enhanced understanding of urban wildlife
- Species behavior and preferences
- Variability in species detections in nearby locations
- Long-term changes in species movement and use of urban habitats





Thank you!