



Urban Bat Conservation and Research

REGIONAL PARKS

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metrovancover | REGIONAL PARKS



Bats do Matter in Regional Parks

- Regional Parks
- Natural Resource Management
- Habitat Management
- Case Studies
- Research

Metro Vancouver Regional Parks and Greenspace



13,557 Hectares Protected

23 Regional Parks

5 Regional Greenways

2 Regional Park Reserves

2 Ecological Conservancy Areas

Natural Resource Management Framework

Provides direction and guidance towards the use and protection of natural resources within the regional parks system





Principles

- Ecosystem-based management
- Adaptive management
- Precautionary approach
- Collaboration



Habitat Management

- Land acquisition
- Conservation of sensitive sites and important habitat features
- Ecosystem restoration
- Integrated pest management



Building Management

- Managed decline of buildings
- Stabilization of important habitat
- Measures for coexistence
- Careful deconstruction planning
- Habitat replacement for affected colonies



The Coquitlam-based colony of the big-eared mammals; renovating digs to accommodate an endangered species



COLONY FARM REGIONAL PARK



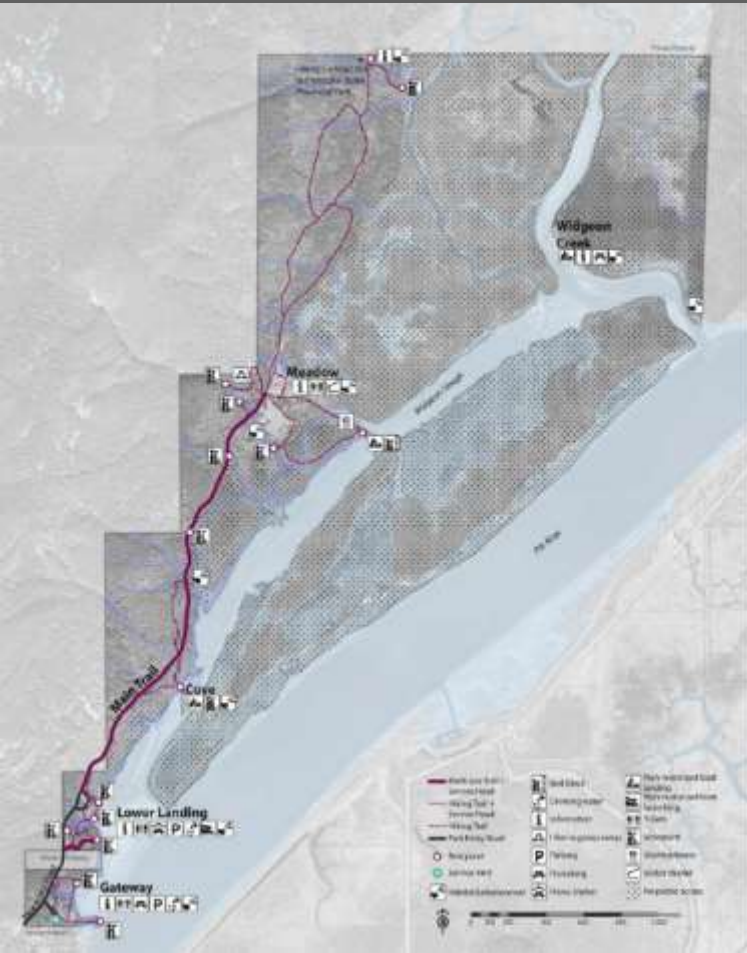
Provision of alternative roosting structures

- Heritage building abandonment
- Use of conventional bat boxes



Provision of replacement roosting structures

- Building removal
- Relocation and construction of roosting structures



Collaboration

- Partnerships
- Opportunities for stewardship and education
- Sharing of expertise
- Research



Park Partners

- Educational opportunities
- Bat colony counts
- Trapping and tagging
- Acoustic monitoring and inventory



SCBats



Wildlife
Conservation
Society



BURKE MOUNTAIN NATURALISTS

Bat Resources

- Known maternity colonies (DEA, MIN, COL, WID)
- Roosting sites
- Migratory stopovers
- Wintering areas?

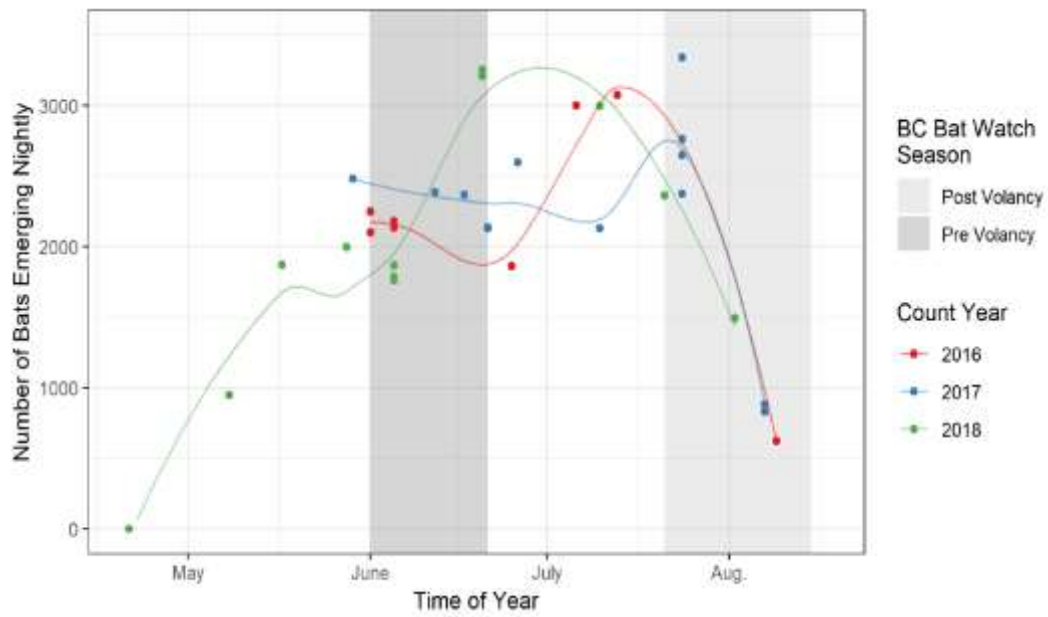


Research Priorities

- Colony counts
- Trapping / Tagging
- Acoustic monitoring



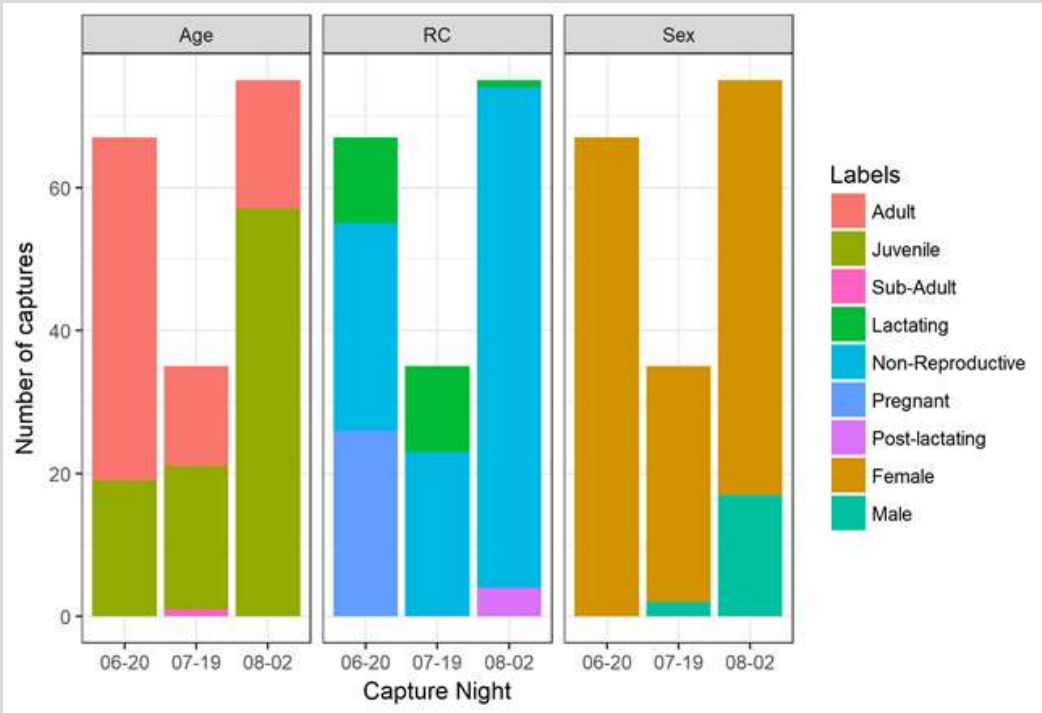
Colony counts



Acoustic monitoring



Trapping / Tagging





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Thanks for listening!

Links

- Metro Vancouver Regional Parks:
<http://www.metrovancouver.org/services/parks/Pages/default.aspx>
- Natural Resource Management Framework:
<http://www.metrovancouver.org/services/parks/ParksPublications/RegionalParks-NaturalResourceManagementFramework2020.pdf>
- Deas Island Regional Park bat research video:
<http://www.metrovancouver.org/media-room/video-gallery/regional-parks/231004536>