



















#### 2

# Four Seasons of Fun for the Whole Family!

Photo: © Yvette Yasui

# The Biosphere, Environment Museum, Montréal

Photo: © Environment Canada

### **Urban Ecosystems at Your Doorstep**

Are you familiar with the animals and plants near your home? Biodiversity, the variety of all life on Earth, is essential to sustaining the ecosystems and networks that provide us with the health, natural wealth and vital services upon which our lives depend. How much do you know about the biodiversity in your neighbourhood? Environment Canada's Biosphere and the City of Vancouver are pleased to present this Urban BioKit, filled with activities to help you explore the biodiversity in and around Vancouver.

The City of Vancouver plays a significant role in preserving and promoting biodiversity. In fact, Vancouver is recognized internationally as one of the most livable cities in the world. The city shows a deep respect for nature with its many parks, walkable tree-lined streets and public spaces, and its blending of sustainability, activity, natural beauty and safety into a dynamic, multicultural urban setting.

#### vancouver.ca

Environment Canada's Biosphere, the only environment museum in North America, encourages citizens to take action and become involved in environmental issues. In addition to presenting exhibitions and special events, the Biosphere develops educational and awareness-raising products for a diverse clientele across Canada, and is a recognized clearinghouse for environmental information. To learn more about the Biosphere, please visit the website below.

ec.gc.ca/biosphere

## Reconnect with your environment ...





### It's a Gol

### Between your home and the park, did you observe green spaces?



Are animals able to travel from one green space to another? \_ If so, the green space may be part of a wildlife corridor.

Wildlife corridors: In cities, the parks, treed walkways, green alleys, flower boxes, balcony planters and gardens can serve as urban wildlife corridors and flight paths. These environments provide vital pathways to connect birds, animals and plants with food, shelter and breeding areas.

Park visited:	
Date:	
Departure time:	
Return time:	
GPS coordinates:	

Photo: © iStockphoto.com/aznature

#### **WEATHER**

Temperature:







(optional)

■ Sunny

☐ Partly cloudy

□ Cloudy



□ Foggy









☐ Snowy



■ Windy

# SEE ANY CLOUDS IN THE SKY? HOW ARE THEY SHAPED AND WHAT DO THEIR SHAPES TELL YOU?



Cirrus: Located high in the sky, cirrus clouds sometimes indicate that rain is coming.



Cumulus: Located low in the sky, these clouds often appear in good weather. On hot, humid summer days, they can transform into cumulonimbus clouds.



**Stratus:** Usually sitting fairly low in the sky, stratus clouds often cause "grey" days and can herald storms or drizzle.



**Cumulonimbus:** These are large grey clouds, taller than they are wide; in summer, they are a sign of stormy weather.

Take a deep breath and have a good look around you: what is your first impression?

With the people around you, talk about what you see and smell.

#### Did you know...

The Golden-crowned Kinglet is a natural weather forecaster, known to feed in a frenzy right before a rainstorm. So if you see this bird stuffing its bill, grab your raincoat and umbrella, because chances are it's going to rain soon!



Photo : © iStockphoto.com/WilliamSherman

Photo : © iStockphoto.com/BirdImages

#### **CRICK, CRACK, TWEET!**

The sounds in our environment affect our well-being.

- 1. Place an "X" in the centre of the box below. This represents YOU on your sound map.
- 2. Close your eyes and listen.
- 3. Around the X on the map, draw symbols for the sound(s) you hear.

Did you

 Which sounds originate from nature, and which come from human activity?

- Circle the sound(s) you like the best.
- Discuss noise pollution and how it might affect animals that use sound to find mates and food.

Eco-friendly tips for urban nature explorers:

- Don't pick the plants.
- Obey any signs asking you to stay on pathways.
- Leave nature the way you found it.
- Observe wild animals from a distance and don't feed them.
- Leave no trace!



Photo: © Chantal Lenire

#### **Prowling for Lichens**

Lichens are composed of fungus and alga that form a clump on tree trunks and rocks. The type and amount of lichens growing on tree trunks can tell us about air quality, because most lichens are sensitive to air quality and don't survive when air pollution levels are high. British Columbia is home to over 1100 reported species of lichens, so take a look around: are there lichens on the tree trunks? How many different types of lichens can you find?

Consult the Air Quality Health Index when planning your next outing.

# A Certain Something in the Air

The atmosphere is an ocean of gases that we live in and breathe in all the time. It protects us from the sun's rays and regulates our climate, making life on our planet possible.

#### Catch the Scent!

Breathe in slowly, describe what you smell:

☐ Fresh air? ☐ Salt air? ☐ Floral scents? ☐ City odours? ☐ Other:\_\_\_\_\_

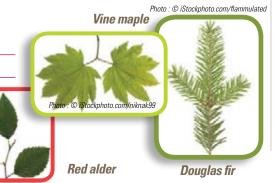
From where do these scents originate? How do you know?



### Eco-friendly tips for clean air:

- Walk, use your bicycle, rollerblade, carpool or use public transit.
- When you're waiting in a car, ask the driver to turn off the engine, in keeping with Vancouver's anti-idling bylaws.

• Turn down the thermostat and put on a sweater or hoodie.



## Jrban Biodiversity

Vancouver is teeming with natural and restored habitats, which provide shelter and breeding areas for plants and animals and form the urban ecosystem.

#### **SHAPE GAZING**

Generally speaking, the more species that are present, the healthier the environment. How many different shapes of trees can you find?







☐ Shrub





☐ Other

Are the trees healthy? Look at the leaves. Are they spotted, insect-eaten or yellow?

### **GETTING CLOSER**

Try the following to learn about the trees around you:

- Rub or roll some leaves (or needles) between your fingers. How do they feel?
- Smell your fingers. Do you recognize the smell?
- Are there sharp tips?
- Note how the leaves are attached to the branch.
- Is the bark hard or soft? Tough or fragile?
- Can you see any cones or seeds on or around the tree?

Sketch or do a rubbing of something you would like to remember.

Ш

# Blue Vancouver

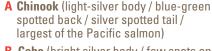
Water supports biodiversity. How convenient since Vancouver is surrounded by it!

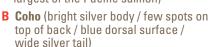
Off to school! Can you match up these pictures of Pacific salmon with their descriptions below? Check out the colour, dorsal fin and tail, among other features.











- C Sockeve (silver-blue streamlined body / silver-blue back / silver tail / prominent, glassy eyes)
- D Pink (yellowish grey body / brown, olive green humpback / large oval spots on tail / tiny scales / smallest
- bars / silver tail, narrow at base / white tip on anal fin)





### of the Pacific salmon) E Chum (silver body with faint grid-like

### **GRAB YOUR** FISHING POLES!

Each summer, on Father's Day weekend, you have a unique opportunity to fish without a licence.



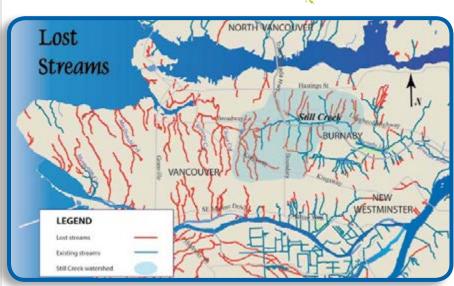
Photos: © Washington Department of Fish and Wildlife

Answer key: 1D, 2E, 3A, 4C, 5B

# Relics of History

This map shows the streams (in red) that once ran through Vancouver. How close do you live to a former stream?

Most of these small streams have been filled in or were redirected during the urbanization of Vancouver. Recent stewardship efforts by the Musqueam Ecosystem Conservation Society, Musqueam First Nation, Pacific Spirit Regional Park Society, Department of Fisheries and Oceans, and Metro Vancouver have restored Musqueam Creek, one of the last three remaining wild salmon-bearing streams in Vancouver. Stewardship groups are also working collaboratively to restore Pacific salmon populations in Spanish Banks Creek in Pacific Spirit Regional Park and Beaver Creek in Stanley Park. You can help keep our waterways clean by participating in the Great Canadian Shoreline Cleanup,





DId you know ... Wetlands are disappearing rapidly as a result of urban and industrial development, invasive species and climate change. Over 84% of bog habitat has been lost in the Fraser River Delta, as has approximately 60% of marsh

habitat along estuaries in the Strait

of Georgia.



#### A healthy ecosystem:

- · cleans the air and water;
- · produces oxygen;
- · traps carbon dioxide;
- controls insects and animal pests naturally;
- encourages pollination;
- · helps control flooding and erosion;
- produces fertile soil;
- plays an important role in the economy, health and food safety.

These are services that the public would otherwise pay for.



squirrel pass by with a twig, string or anything else other than food in its beak or mouth, follow it from a distance and. with a little luck, the animal may lead you to its nest. Take care and remember, do not disturb the /occupants!

If you see a bird or

#### The Secret Life of Trees

Take a closer look: there could be a nest hiding in that hollow tree trunk! Look closely at the treetops, too.

- Do you see any nests made by birds, squirrels or wasps?
- Are there any cocoons built by insects?
- Are there burrows near the tree roots that could be used for storing food or as shelters?

And even dead trees provide valuable, essential services in nature, like food and shelter for all kinds of wildlife.

Photo: © iStockphoto.com/AVTG

Look for animal tracks in the snow or mud. Notice the shape and arrangement of paw-prints or footprints, and follow their trail.



Striped skunk

Some key things to look for:

- Do you see two feet or four?
- Are the footsteps close together (maybe indicating a smaller animal) or far apart (a bigger animal)?
- How many toes are there?
- How are the toes oriented?
- Where did the tracks come from and where do they lead?

Photo: © G. J. Lenhard, LSU, Bugwood.org

BioMystery Can you find Spittlebug spit any evidence of seed caches? Do you see any slug slime? Is there spittlebug spit on plant stocks and leaves?

## Follow That Trail

Check for signs of animals, like leftover food, scratch marks on trees, dung or tracks. What do you see?

**Sketch** a picture of the tracks so you can identify them later.

# Mammals, Reptiles and Friends



Include pets, street animals, farm animals and wild animals:







Mammals





Find out more

'Urban Biodiversity lssues" on page 35





Invertebrates



#### Eco-friendly ways to support urbań biodiversity:

- Support Vancouver's bylaw banning the use of cosmetic pesticides on private and public lands, by using natural alternatives.
- Find out about threatened species in the Vancouver area, so you'll be better able to protect them.
- Learn to live in harmony. with urban wildlife.
- Get to Know your wild neighbours.



#### **INSECTS ARE ANIMALS TOO**

Scientists have identified about a million species of insects so far, and estimate that there may be up to 30 million. Insects differ from other animals in that they have three pairs of legs. With or without your magnifying glass, scour the ground or search among the flowers for insects. Who knows, you might discover a new species!

Photo: © Robyn Worcester





☐ Butterflies



☐ Ladvbugs and beetles







Flies and mosquitoes



■ Dragonflies and damselflies



#### **Pollinating Insects**

These insects carry pollen from flower to flower. They include bees, wasps, butterflies, beetles, flies and ants, among others. We owe them credit for over 70% of the food we harvest.

Pollinating insects are currently threatened by:

- habitat loss:
- pesticides;
- · competition with other species (often alien invasive species);
- monoculture practices in forestry and agriculture;
- diseases and parasites;
- light pollution.

Add plants that attract pollinators to your garden.



# Vulnerable Species

Vancouver provides shelter to several vulnerable species. To learn how they cope with challenges they face, put yourself in their place.

### IMAGINE THAT YOU'RE A GREAT BLUE HERON...

First, you need to find a home. Usually, you like to build your nest in high trees near the water. **But where can you build in the city?** 





Photo: © Robyn Worcester

Photo: © Martin Passchier

In Vancouver, this huge bird readily trades its place in local estuaries for a towering view above Stanley Park.



Photo: © Martin Passchie

In the 1960s and early 1970s, the synthetic insecticide DDT was widely used. But it was incredibly harmful to Great Blue Herons and other large birds, including falcons and eagles, because it severely weakened the shells of their eggs. Their eggs broke before they could hatch, so the birds' populations declined significantly. Following the implementation of stronger pollution regulations and the restoration of lost and degraded habitat, the resident Great Blue Heron population is now steadily increasing. Bald Eagles and most falcon populations are also recovering, but remain vulnerable to habitat loss, pollution and food shortages due to their reliance on declining Pacific salmon stocks returning to spawn through local rivers.

You can follow Bald Eagles and other species through the Hancock Wildlife Foundation's webcams and the Stanley Park Ecology Society's eagle nest monitoring program.

**Did you know** ... the Great Blue Heron is listed under the federal Species at Risk Act as a species of special concern in British Columbia.

#### SPOTLIGHT ON SPECIES AT RISK

Vancouver's Peregrine Falcon
Photo: © Gordon Court

the Pacific Flyway, a migration corridor between Patagonia in South America and Alaska in the Arctic, makes it an ideal rest stop for migratory species, including the threatened Peregrine Falcon and the blue dasher dragonfly.



Photo: © Lea Maimone

The Henderson's checkermallow, a fuchsiacoloured vascular plant, is also vulnerable, due to increasing loss of its wetland habitat. The same is true for the Pacific water shrew, one of the rarest small mammals in Canada.



Photo: © Virginia Skiltor



Photo: © Dennis Knop

#### On the Lookout

Plants and animals must overcome many challenges to ensure their survival in any given area. Look around you: can you observe any of the threats listed below? Check off the ones you identify:

- ☐ Habitat loss (due to development)
- □ Wetland destruction
- □ Pollution
- ☐ Competition from invasive species
- □ Climate change impacts

Can you think of anything else?

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Did you know ... The endangered Pacific water shrew has the remarkable ability to walk on water for several seconds, thanks to webbing and stiff hairs on its hind feet.

## Find the Invader





#### **INVASIVE ALIEN SPECIES**

Brought into a region accidentally or on purpose, these plant and animal species are a major threat to biodiversity and are very difficult to control.

#### Question: Which of the

following species are considered invasive alien species in Vancouver (see answer below)?



a) Eastern grey squirrel **b**) English ivy



Scotch broom Photo: © R. Old, XID Services, Inc., Bugwood.org



d) Apple maggot Photo: © Agriculture and Agri-Food

Help native biodiversity thrive by removing invasive species with a volunteer "invasive weedbuster" group.

BULLFROGS were introduced into British Columbia. They've become very abundant in wetlands, displacing native species.

### Did you know that ...

The invasive giant hogweed and the native seacoasť àngelica look alike. A quick way to tell them apart: giant hogweed has red or purple spots, and stiff white bristles, on its stems.

Warning: Giant hogweed should be removed by a professional because its sap can cause blistering on skin, and even blindness.

Photo: © U.S. Fish and Wildlife Service



Giant hogweed Photo: © Fraser Valley Regional District

### Answer:

to orchards. been found in the Lower Mainland and poses a serious threat that depend on native plants. The apple maggot has recently spreading like wildfire, and degrading habitat for local species and Scotch broom are out-competing native seedlings, squirrels that must compete for territory and food. English ivy The larger Eastern grey squirrel poses a threat to native It you guessed that they're all invasive species, you're right!



# Urban Landscapes

#### **HEAD FOR THE HILLS!**

Over time, humans have transformed the natural landscape. Look for some high ground in the park, and divide what you see into groups.

Do you see any wildlife corridors (vegetation strips) that animals could use to move from place to place in the city?

Queen Elizabeth Park, known as "Little Mountain," is the highest vantage point in Vancouver.

Human-made features:

and lawns

roads, power lines, buildings, bridges, seawalls, marinas, fountains, gardens



#### Photo: © Terry Schnur

#### Natural features:

hills, waterways, fields, forests, lakes and the ocean

### A DIFFERENT ANGLE

Sometimes, just looking at something from a different angle can lead to surprising discoveries.

- Take out your pocket-size mirror and walk backwards. Does the landscape look any different?
- Touch your toes and look back between your knees, then describe what you see.
- What is your favourite feature in the surrounding natural landscape?
- Ask a senior what the landscape around you looked like when he/she was your age.
- What do you think it will look like in the future?

#### Did you know ...

Stanley Park and Queen Elizabeth Park held Vancouver's original water reservoirs. Today, our clean tap water comes from the Capilano, Seymour and Coquitlam reservoirs. Consider taking the Metro Vancouver Tap Water Pledge.

#### WATER, WATER, ANYWHERE?

Life depends on water. Look around you. Do you see a waterway, pond, lake or the ocean? What varieties of plants and animals do you see in or near the water? If you wait long enough and pay careful attention, you might catch a glimpse of some elusive animal species.



Photo: © Metro Vancouve

### Vancouver' Spectacular by Nature Did you know ... One of the largest trees on Vancouver's streets is a giant sequoia on the Cambie Street median near King Edward Avenue. Its trunk circumference measures more than five metres. Of the trees you observe, which has the largest circumference? Is it also the tallest? There are over 16 000 Japanese flowering cherry trees that line Vancouver's boulevards. Many were presented as gifts from Japan in the 1930s, and are honoured during the annual Vancouver Cherry Blossom Festival.

# Historical Perspectives on Biodiversity

Giant sequoia tree on Cambie Street median

Vancouver lies within the shared traditional territory of the Musqueam, Tsleil-Waututh, Tsawwassen and Squamish First Nations. Traditional Aboriginal cultures relied heavily on local biodiversity for their survival and prosperity. Plants and animals provided important sources of food, shelter and medicine.

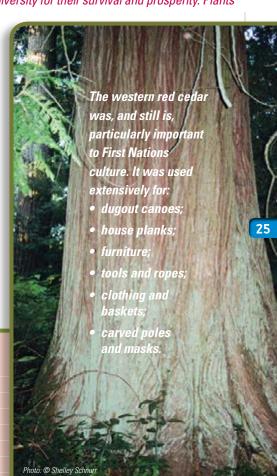
#### FIRST NATIONS ...

are renowned for living sustainably, in harmony with biodiversity—treating the Earth, its inhabitants and its natural resources with deep respect. The inherent interconnection between humans and the animals that shared the land was, and still is, an important aspect of First Nations culture. Various animals, for example, are symbolized on carved poles, artwork and masks, such as bears, wolves, orcas, salmon, ravens and the mythical Thunderbird, to name a few.

Do you see any carved poles from your vantage point? Can you identify the animals carved on them? If not, can you identify any of the animals on the Musqueam carved pole pictured on the left side of this page?

Create your own pole, using the materials of your choice. Take a moment to let nature inspire you.

Sketch your ideas below.





# Heading Home

On your way home, consider taking an alternate route. Residential back lanes, sidewalks and the many tree-lined streets give you varied opportunities to observe urban biodiversity. Challenge yourself to the following Biodiversity Bingo. Can you find the elements in one line, two ... or can you find them all?



**Vegetable garden** Photo: © Shelley Schnurr



Bird's nest
Photo: © Claude Godin



Listen for a bird call hoto: © iStockphoto.com/PaulTessier



**Tiny flower** Photo: © Terry Schnur



Compost bil
Photo : © iStockphoto.com/cotesebastien



Garter snake
Photo: © Terry Schnurr



**Butterfly**Photo: © Kristine Webber



**Spider web**Photo: © iStockphoto.com/BruceBlock



Rain barrel
Photo: © Environment Canada



**Bushes**Photo: © Terry Schnurr



**Ladybug** Photo: © Kristine Webber



Honey bee
Photo: © iStockphoto.com/arlindo71



Photo: © R. D. Wallace, UGA, Bugwood.org



**Squirrel** to: © iStockphoto.com/DamianKuzdak



Marked storm drain
Photo: © Shelley Schnurr



Clover
Photo: © Environment Canada

Back lanes are an ideal place to

observe biodiversity in the city. On your way home, pass by some back lanes and observe carefully. Are they grey or green? Discuss what elements contribute to a "green" lane.

Do you see storm drains marked with salmon logos? They remind us that what goes down the drain ends up in our rivers and oceans.

What plants are covering the ground? Do they benefit the soil and pollinators? Do they need watering?

#### Take the Biodiversity Stewardship Pledge:

I pledge to do what I can, when I can, where I can, to conserve and restore biodiversity in my neighbourhood.

Signature:

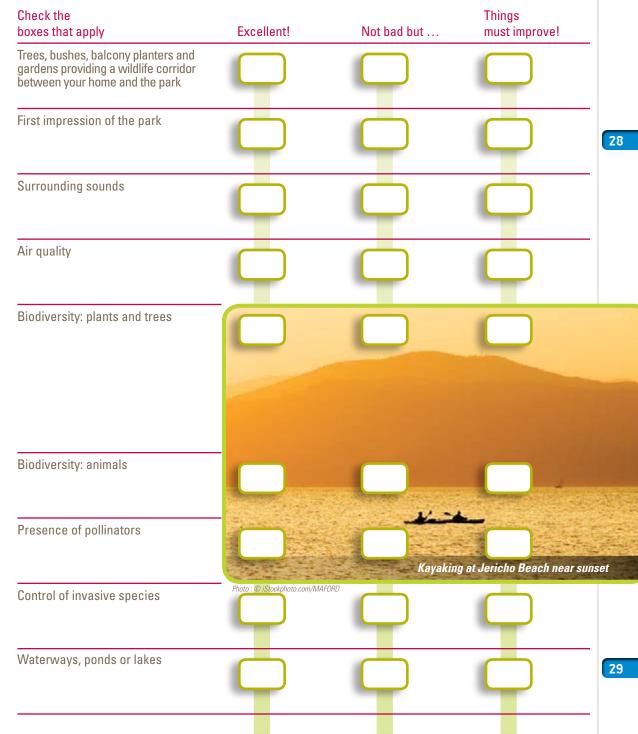
### Did you know?

Vancouver's streets are lined with over 138 000 trees from nearly 330 different species.

# Urban Environment: My Diagnosis

Now that you've gathered many observations, use them to make your own diagnosis about the health of your urban environment, by filling in the chart opposite.

Note: This diagnosis can be printed from the BioKits website and be used for other park visits.





# Find out more See "Ways to Improve the Environment" on page 35



#### Recommendations:

Enjoy your environment and help preserve the threatened species in your area. Choose one thing that you would like to improve and think of a possible solution. Many heads are better than one! Talk to people about your concerns; they could join your improvement efforts.

# Think Back on Your Outing

Explore other BioKits and complementary activities by visiting ec.gc.ca/biotrousses-biokits.

### **Back Home**

Create a souvenir of your outing by making a drawing, story, poem, photo or collage. Or draw the "web of life" as you interpret it for your neighbourhood. The web of life shows the connections between how every animal and plant relies on other plants and animals to survive. Do you think your web would be the same in another neighbourhood, city or country?



# Encourage Biodiversity

Black-capped Chickadee

### Now it's your turn

Vancouver is striving to become the greenest city in the world by 2020. Whether you have a backyard or balcony, you can help achieve this goal by taking action to promote biodiversity.

For example, maintain a yard that welcomes biodiversity. Plant native plants, to create a supportive environment for birds, and animals.



Buy local food from farmers' markets, located throughout the city. Or buy a weekly produce basket through a community-supported agriculture program.

Photo: © URC Farm

Did you know ... Vancouver is home to the original 100-Mile Diet, a worldwide initiative to eat locally produced food.

### **Eco-friendly tips for gardeners:**

- Avoid synthetic pesticides—Vancouver has a bylaw against their use.
- Use compost. Create your own or obtain some from the city.
- Plant the types of plants that help protect gardens by keeping away pests and diseases.

Grow vegetables in one of Vancouver's many community gardens, your yard or in containers.



Photo: © Robyn Worcester

Help control invasive alien plants.

Join the City of Vancouver's Green Streets Program. to create green public spaces. Green spaces

It is estimated that millions of birds fall prey to cats each year in Canada. To help make your neighbourhood more bird-friendly: · consider keeping your cat indoors,

- particularly from dawn until dusk;
- · set up safe birdhouses and feeders that are not easily accessible to cats; and
- promptly inform your local SPCA about any stray or feral cats.

You can also help birds by turning off any excess lighting at night.





provide havens for birds and pollinators. Keep your dog

on a leash

(except in designated

off-leash areas),

so your dog

doesn't chase

and scare off

birds and wildlife.



Vancouver is home to many cultures from around the world. The City of Vancouver values this diversity, and considers it a source of strength, vitality and prosperity, Multiculturalism is reflected not only in social programs and community events. but also in the many cultural gardens in several of Vancouver's neighbourhoods and parks—great places to explore biodiversity.

Take some time to explore cultural gardens in Vancouver, including the following:

- The World in a Garden, an international community garden in Kerrisdale
- UBC Botanical Garden and Centre for Plant Research, a living museum of plants from around the world, and home to the David C. Lam Asian Garden and Nitobe Memorial Garden,
- Il Giardino Italiano (the Italian Gardens) and the Momiji Japanese Gardens, located in Hastings Park
- Queen Elizabeth Park, featuring striking landscaped quarry gardens, a 1500-tree arboretum and the Bloedel Conservatory
- Dr. Sun Yat-Sen Chinese Garden in Vancouver's Chinatown, the first classical Chinese garden outside of China
- VanDusen Botanical Garden, featuring over 11,000 different plant species throughout Canadian heritage and international gardens, a children's garden and several human-made lakes





#### Check out these great places to explore biodiversity as well...

- The Stanley Park Ecology Society's Nature House
- Marine Mammal Rescue Centre at the Vancouver Aquarium
- Centre for Sustainable Food Systems at UBC Farm
- Museum of Anthropology, at UBC
- Beaty Biodiversity Museum at UBC
- Metro Vancouver's Regional Parks,
- British Columbia's Provincial Parks
- National Parks of Canada



### Find out more! AIR QUALITY ISSUES:

Air Quality Health Index

Stream-keepers working hard to restore Musqueam Creek

Photo: © Nicholas Scapilatti



#### WAYS TO IMPROVE THE ENVIRONMENT:

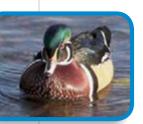
Harbour seal pup Photo: © Robyn Worcester

Stewardship Centre for British Columbia **British Columbia Environmental Network** Nature Trust of British Columbia Federation of BC Naturalists Young Naturalists' Club of BC **Nature Vancouver BC** Wildlife Federation **Pacific Streamkeepers Federation Robert Bateman Get to Know Program** 

stewardshipcentre.bc.ca ecobc.org naturetrust.bc.ca honature.ca vnc.ca naturevancouver.ca hcwf.net pskf.ca gettoknow.ca

ec.gc.ca/cas-aqhi

#### URBAN BIODIVERSITY ISSUES:



**Wood Duck** Photo: © Robyn Worcester

**Biodiversity BC** Stanley Park Ecology Society Science World British Columbia Vancouver Aquarium Hinterland Who's Who Wildlife Rescue Association of BC Green Club of BC **Invasive Plant Council of BC** Native Plant Society of British Columbia **Bird Studies Canada** 

biodiversitybc.org stanleyparkecology.ca scienceworld.ca vanaqua.org hww ca wildliferescue.ca greenclub.bc.ca invasiveplantcouncilbc.ca npsbc.org bsc-eoc.org

#### **HEALTHY COMMUNITIES:**

City of Vancouver **Vancouver Board of Parks and Recreation Metro Vancouver BC** Healthy Communities

vancouver.ca vancouverparks.ca metrovancouver.org bchealthycommunities.ca



#### **EXPLORE FURTHER!**

After you've explored your local parks using the Vancouver BioKit, why not explore further, by using the Nature BioKit to explore biodiversity in some of our spectacular regional, provincial and national parks?



Explore other BioKits and complementary activities by visiting ec.gc.ca/biotrousses-biokits.

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Coyote photo on front cover: © **Peter Kerr** Triptych photo on front cover: © iStockphoto.com/compassandcamera

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 ${\it Organizations \, represented \, on \, the \, Vancouver \, Urban \, BioKit \, steering \, committee:}$ 

City of Vancouver
Environment Canada
Metro Vancouver
Parks Canada
Science World
Stanley Park Ecology Society
Vancouver Board of Parks and Recreation
Young Naturalists' Club of BC



