

GREENWOOD PARK & KEALY WOODS

WELCOME TO OPEN HOUSE #1



City staff, together with Diamond Head Consulting, have been working on an environmental inventory and assessment of Greenwood and Kealy Woods Parks. The purpose of the assessment is to help guide the short and long-term decisions for trail improvements and habitat enhancements in the parks.

The assessment includes analysis of existing trees, vegetation, wildlife habitat, watercourses, invasive species, and includes an inventory of trails and other recreational features.

We are looking for feedback on the proposed restoration strategies and park improvements.

Goals for Today:

- Share key findings from the Environmental Assessment of the parks
- Present recreation and habitat restoration options and receive input
- Learn more about how the residents use the parks and what is valuable to them

What we learned from the environmental assessment



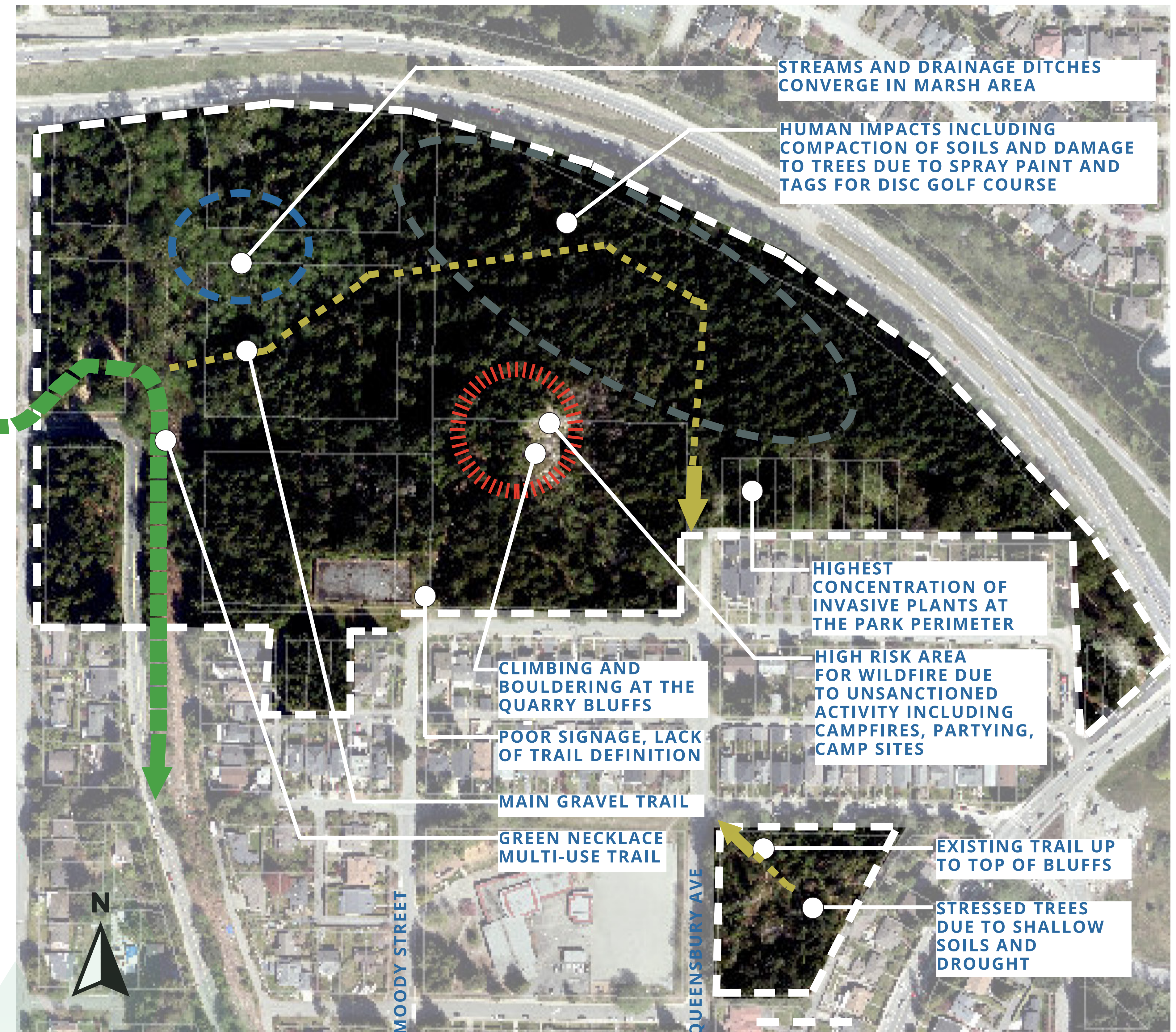
EXISTING FOREST CONDITIONS

- Lacks under-story vegetation
- Very dense, even aged single story tree canopy
- Die back of trees due to drought stress and disease
- Areas of restoration and enhancement from stewardship groups
- Increased risk for wildfires due to drier summer conditions

EXISTING USES OF THE PARKS

- Green Necklace Multi-Use trail
- Walking/ bicycle trails and numerous braided trails
- Bouldering/climbing
- Unsanctioned disc golf course
- Unsanctioned camping/fires/parties

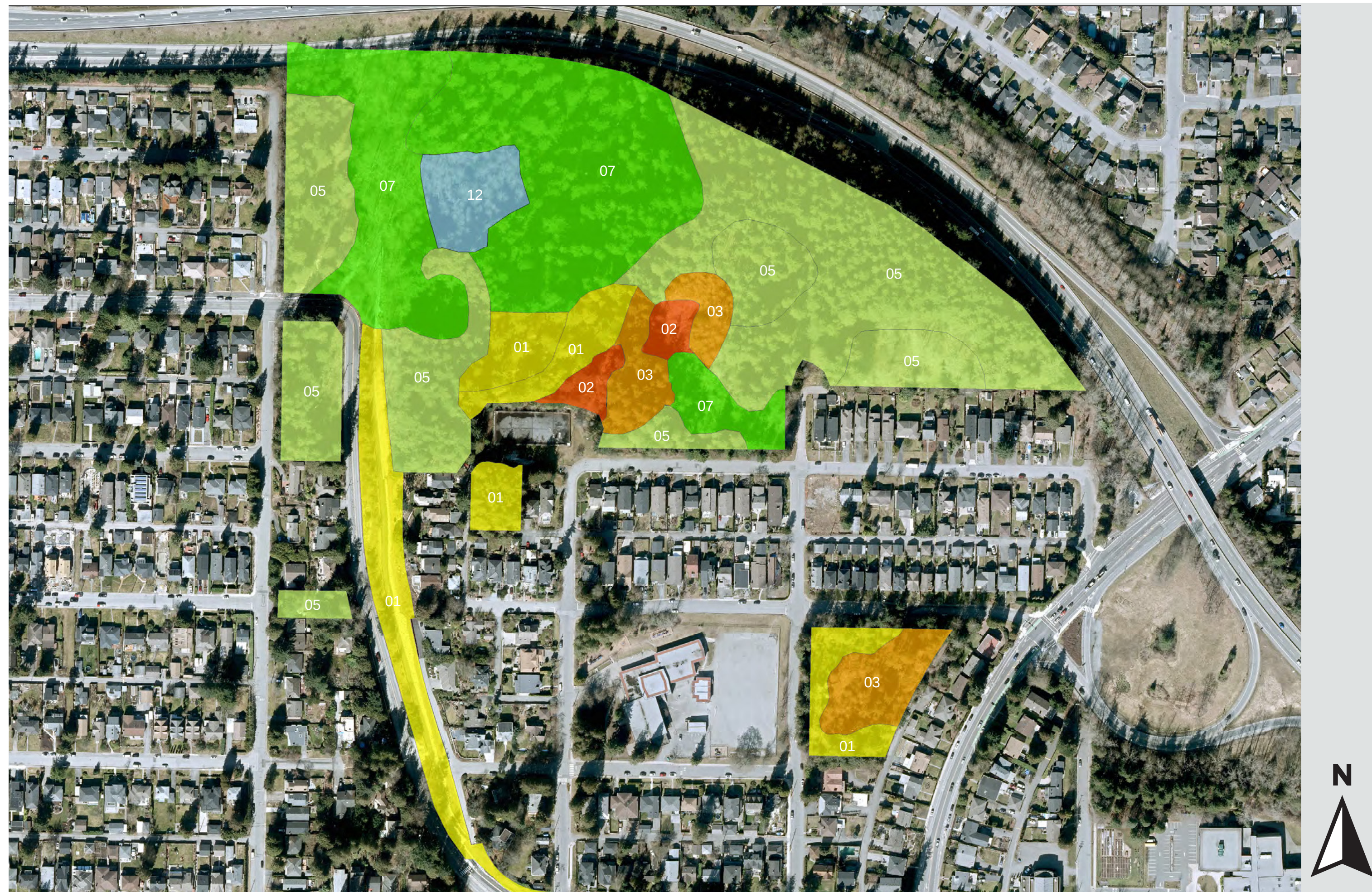
What are your observations of existing uses and forest conditions? **Put a sticky note here!**



What we learned about the ecology



SITE SOILS AND ECOLOGICAL SENSITIVITY RATINGS HELP GUIDE DECISIONS ABOUT ENVIRONMENTAL IMPROVEMENTS AND SUITABLE RECREATIONAL USES



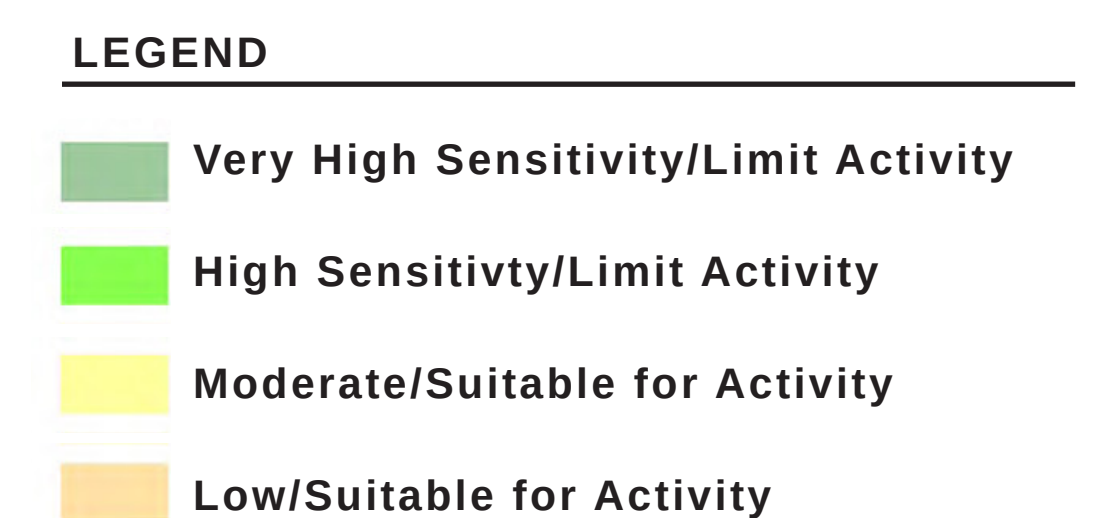
SITE SOIL CLASSIFICATION MAP

This map describes the growing conditions of vegetation that help determine plant communities that will develop through natural succession.



ECOLOGICAL VALUE & SENSITIVITY RATING

This map describes the environmental sensitivity from very high to low based on considerations for biodiversity, water availability, riparian areas, and sensitive areas to human activity.



What we learned about the vegetation



INVASIVE PLANT MATERIAL

This map describes the types and locations of invasive plants. Concentrations are highest at park edges adjacent to residential areas.

LEGEND

The following are the most common invasive plants found at Greenwood and Kealy Woods

- Blackberry, Himalayan
- Ivy, English
- Holly, English
- Lamium
- Scotch broom
- Spurge laurel
- Invasive Plants Points



Garden waste contains seeds and plant parts that often includes invasive plants that enter into the forest ecosystem and cause decline of native species.

PROTECT OUR PARKS BY NOT DUMPING



TREE MORTALITY

This map shows the locations with the highest incidents of blown down and diseased trees due to drought stress, thin soils and hemlock mistletoe disease.

LEGEND

- Blowdown Areas
- Tree Mortality
- Wildfire Interfaces

WILDFIRE RISKS



With drier summers, the risk of wildfires is increasing in urban park areas. Conifer dominated stands pose a moderate to high risk depending on the amount and structural nature of forest fuels. Forest fuel is combustible biomass including things like downed trees, twigs, needles, and logs. Fuel reduction in these areas is recommended.

Wildlife at the Parks



The following is a general account of what species may be expected to be present for some or all of the year based on existing habitat and habitat condition. A detailed wildlife survey was not completed for this site. Based upon the public response to recreation improvements, a targeted wildlife study will be completed as part of the forest management plan.

What wildlife have you noticed at Greenwood and Kealy Woods? Put a sticky note here!

What we learned from the Public so far

Feedback from the **Kids in Hall** Event

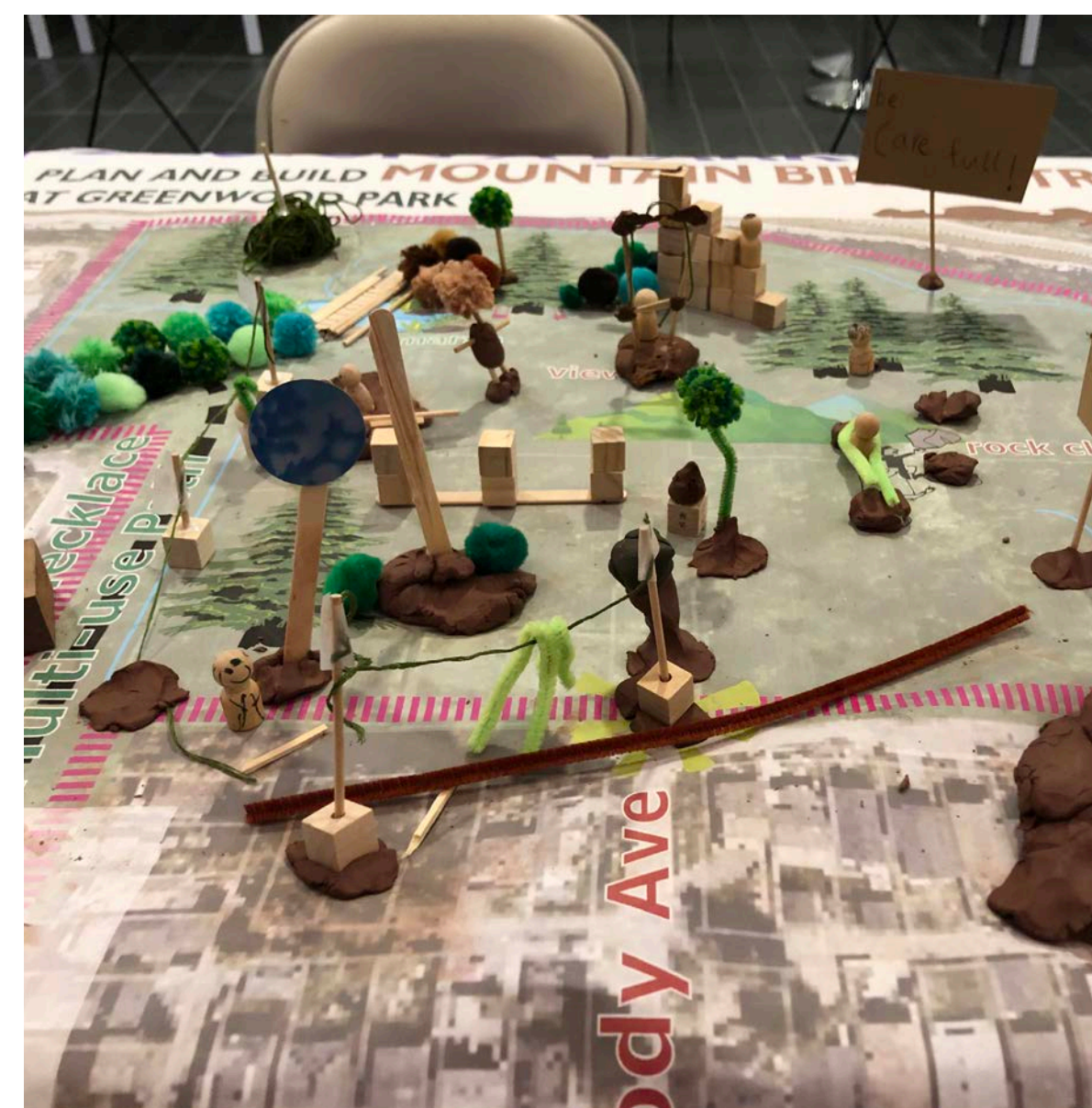
On November 23rd, 2019, the City of North Vancouver held the annual **Kids in the Hall, How Our City Works** event. We asked children to help us plan for trails and amenities at Greenwood Park using model materials.

We also learned that mountain biking, rock climbing and walking the trails are activities currently engaged in at Greenwood Park.

HERE IS WHAT THEY CAME UP WITH!



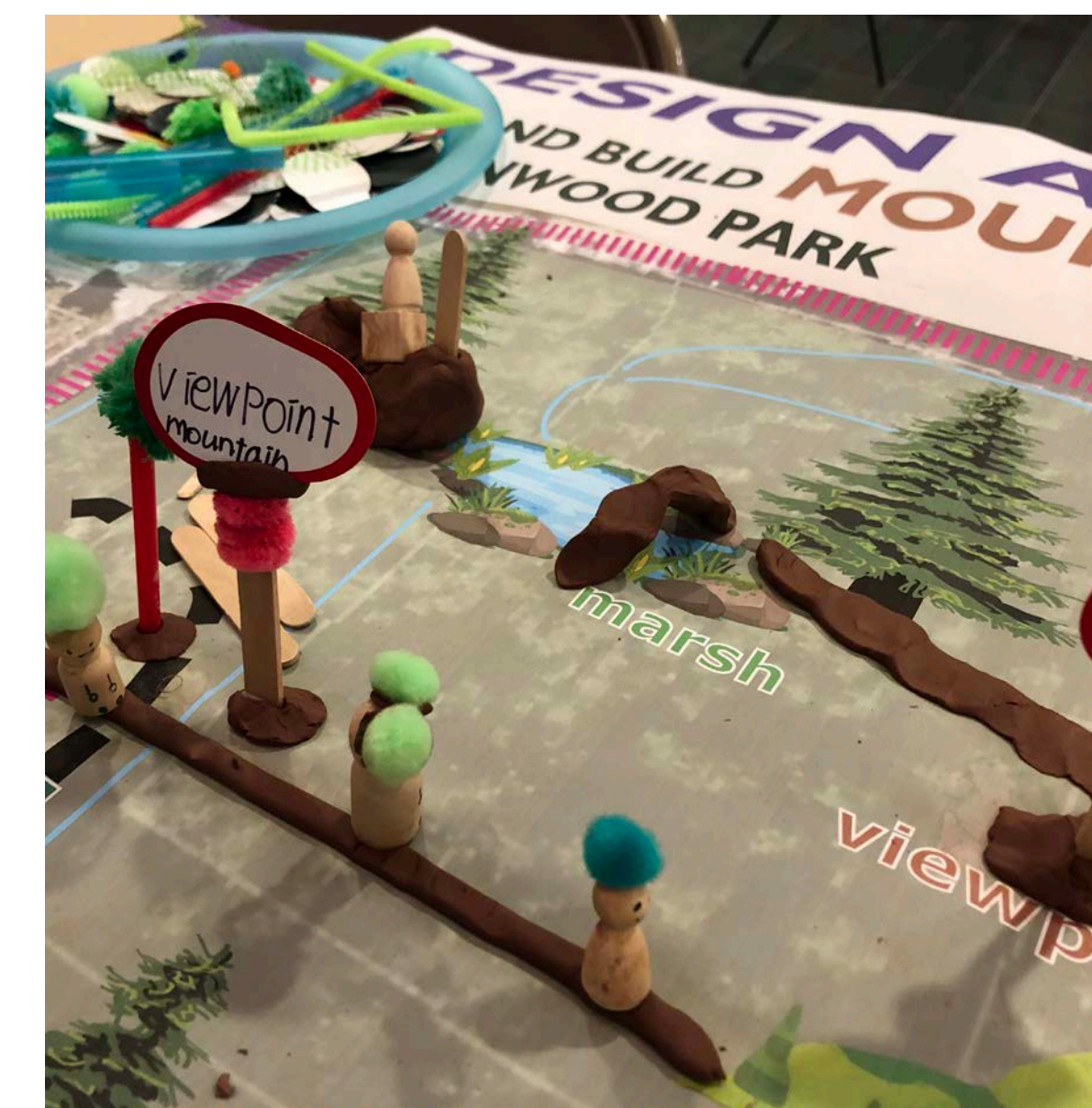
NEW BRIDGE OVER THE POND



ZIP LINES AND SWINGS



NEW TREES ALONG THE GREEN
NECKLACE MULTI-USE TRAIL



NEW WAY-FINDING SIGNAGE



NEW TRAILS

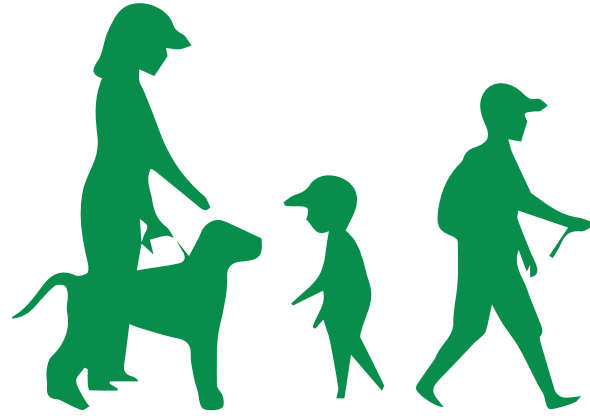
Themes for Improvements

Based on the Environmental Assessment of the parks, and the City Council’s vision to be “The Healthiest Small City in the World” the following themes are proposed. These themes will help with decision-making for the planning and prioritizing of actions in the forest management plan.



ENVIRONMENTAL STEWARDSHIP & FOREST HEALTH

- CREATE WILDLIFE TREES
- RESTORE & ENHANCE UNDERSTORY RE-VEGETATION
- REMOVE INVASIVE PLANTS
INSTALL NATIVE SPECIES



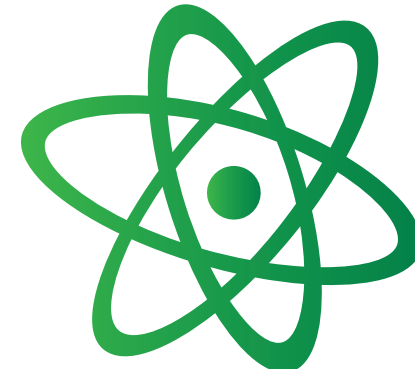
VISITOR & RECREATIONAL EXPERIENCE

- PROVIDE ACCESSIBLE WALKING PATHS
- FORMALIZE CLIMBING AREAS
- PROVIDE VARIED BICYCLE EXPERIENCES



SUSTAINABLE TRAIL NETWORK

- PROVIDE TRAIL ROUTES/
WAYFINDING MAPS
- PROVIDE BOARDWALKS, STAIRS
AS NEEDED TO REDUCE IMPACT
- CLEARLY DEFINED TRAIL NETWORK



PARTNERSHIPS & COLLABORATION

- FOSTER AND FACILITATE COMMUNITY
- PARTNER FOR SCHOOL EDUCATION PROGRAMS
- COLLOBORATE WITH RECREATION GROUPS



Improve Park entrances and trail types



Remove invasive plants and install native plants



Provide recreation opportunities (eg. climbing)



Facilitate forest stewardship

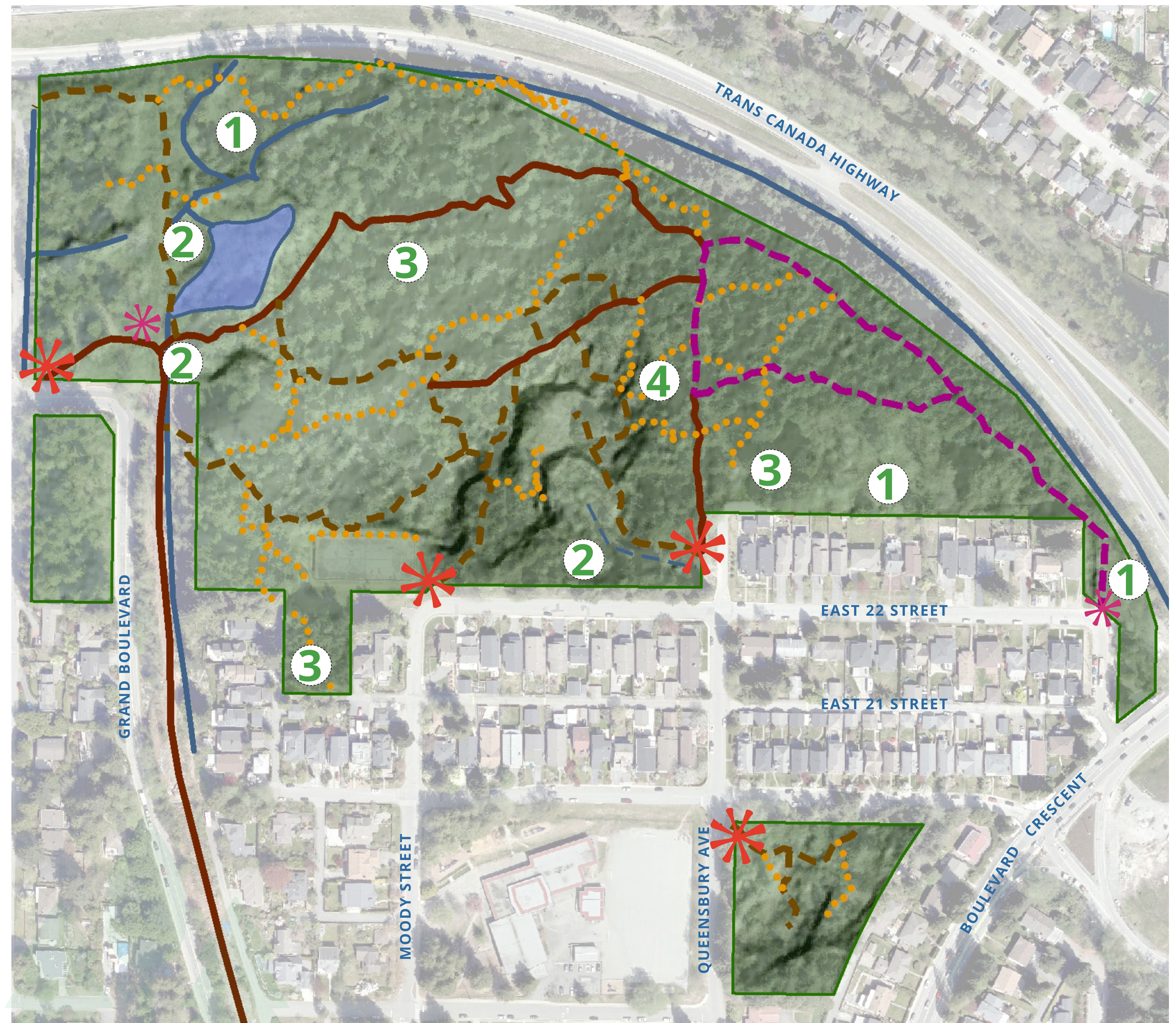
Other ideas or suggestions? Put a sticky note here!

Preliminary Urban Forest Improvements

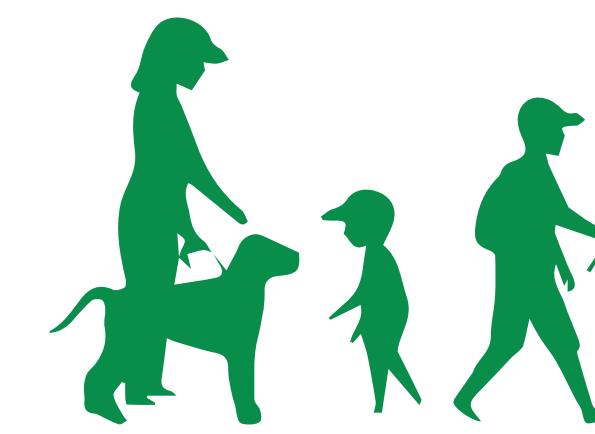
- 1 Remove invasive plants and restore habitat
- 2 Improve trail drainage and enhance wetland
- 3 Diversify canopy density, create wildlife habitat trees, plant understory vegetation, and mitigation for forest fire risks
- 4 Restore impacted vegetation along the rock bluffs

LEGEND

-  Existing multi-use trail to be enhanced
-  Secondary trails to be enhanced
-  Trails in sensitive ecological areas to be decommissioned to reduce impacts
-  Potential for a combined kids mountain bike and multi-use trail
-  Existing streams
-  Existing drainage
-  Existing wetland
-  Formalize entry points
-  Formalize trail heads



Trail Improvements



What improvements would you like to see for the trail network?

Place your dots below to indicate preferences



Formalize trails and create looping trail network



Boardwalks where required to reduce erosion/compaction



Stairs where required



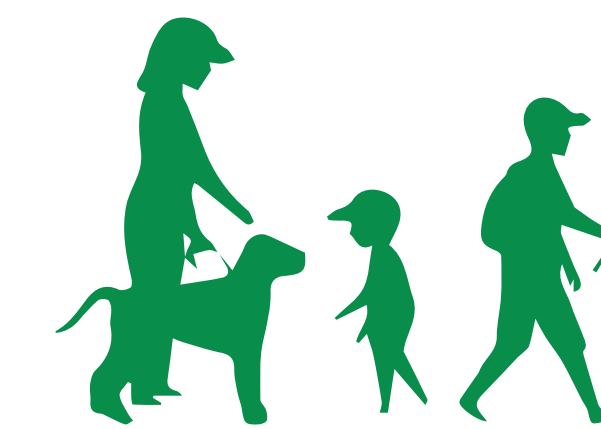
Defined main trail



Defined secondary trails

Other ideas or suggestions? Put a sticky note here!

Pedestrian Facilities Improvements



What improvements would you like to see for pedestrian facilities?

Place your dots below to indicate preferences



Picnic Areas



Public Art



Rest/seating areas



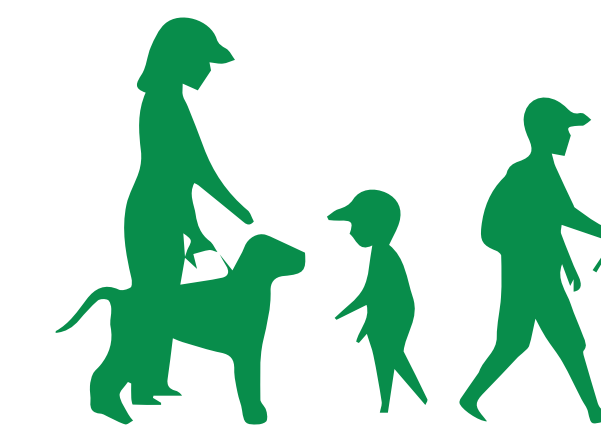
Wayfinding Signage



Upgrade park entrances

Other ideas or suggestions? Put a sticky note here!

Recreation Improvements



What recreational activity improvements are you interested in?

Place your dots below to indicate preferences



Adventure Circuits



Nature Play Elements



Wildlife Viewing Areas



Kids Mountain Bike Trail



**Formalize Climbing/
Bouldering**

Other ideas or suggestions? Put a sticky note here!

Habitat Enhancement Opportunities



What is most important to improve the forest health at the parks?



Invasive removal program



Increase native understory planting



Simplify and formalize trail network



Facilitate forest stewardship events



Remove campfires, tenting and other unsanctioned structures



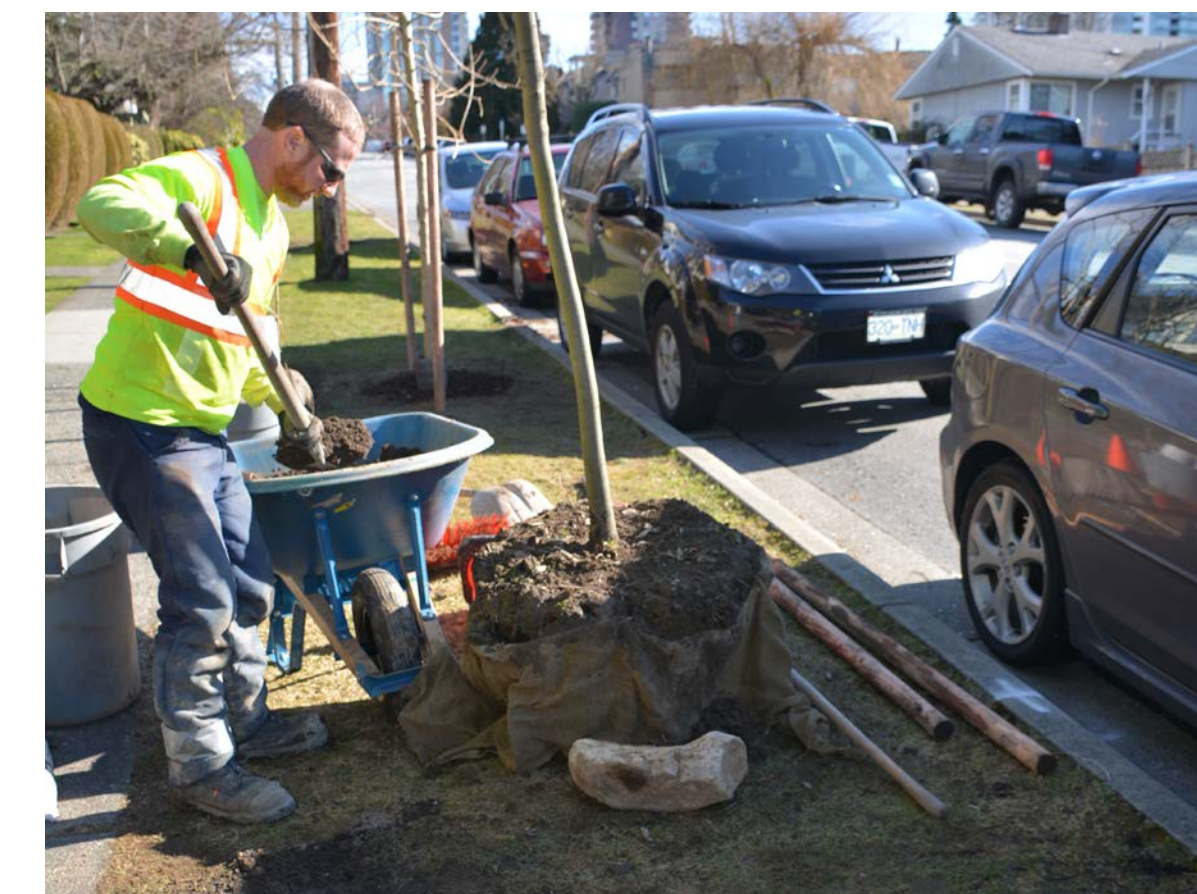
Repair soil compaction, plant trampling and vandalism



Install low protective fencing and signage for habitat restoration areas



Diversify forest stand structure. Provide wildlife trees



Improve drainage in park and along Ridgeway Avenue



Mitigation measures to reduce wildfire risks

Other ideas or suggestions? Put a sticky note here!

Next steps

PROJECT TIMELINE

