CITY FOREST CREDITS

TREASURE VALLEY MUNICIPAL PARKS PLANTING PROJECT
Initial Credit Project Design Document

Table of Contents

INSTRUCTIONS 2
PROTOCOL REQUIREMENTS 2
LOCATION AND OWNERSHIP OF PROJECT AREA (Section 1.3 and Section 2) 6
PROJECT DURATION 8
ATTESTATIONS 8
PLANTING DESIGN 8
CARBON QUANTIFICATION DOCUMENTATION (Section 12 and Appendix B) 9
CARBON CO-BENEFITS QUANTIFICATION DOCUMENTATION (Section 12 and Appendix B) 11
MONITORING AND REPORTING PLANS (Appendix A) 12
ADDITIONAL INFORMATION 13
PROJECT OPERATOR SIGNATURE 13
ATTACHMENTS 14
PERFORMANCE STANDARD BASELINE METHODOLOGY (Appendix D) 15
QUANTIFYING CARBON DIOXIDE STORAGE AND CO-BENEFITS FOR URBAN TREE PLANTING PROJECTS (Appendix B) 20

INSTRUCTIONS

Project Operators complete and submit this Initial Credit Project Design Document (PDD) after planting has been completed. City Forest Credits then reviews this PDD for validation with all other required project documents. An approved third-party verifier then conducts verification. A separate amendment to the Project Design Document will need to be submitted for future verification at years 4, 6, and after year 25.

Please complete sections starting on page 5 where you find "[Enter text here]" as thoroughly as possible.

PROTOCOL REQUIREMENTS

Below are a list of the eligibility requirements in the City Forest Credits (CFC) Tree Planting Protocol Version 9, dated February 7, 2021. Begin your responses on page 4 under PROJECT OVERVIEW.

Project Operator (Section 1.1)
Identify a Project Operator for the project. This is the person or entity who takes responsibility for the project for the 25-year duration.

Commit to 25-year Project Duration in the Project Implementation Agreement (Section 1.2 and Section 5)
Sign the Project Implementation Agreement – this is the 25-year agreement between the Project Operator and CFC for an urban forest carbon project.

Location Eligibility (Section 1.3)
Project Areas must be located in parcels within or along the boundary of at least one of the following criteria.

A. The Urban Area boundary ("Urban Area"), defined by the most recent publication of the United States Census Bureau
B. The boundary of any incorporated city or town created under the law of its state;
C. The boundary of any unincorporated city, town, or unincorporated urban area created or designated under the law of its state;
D. The boundary of any regional metropolitan planning agency or council established by legislative action or public charter. Examples include the Metropolitan Area Planning Council in Boston and the Chicago Metropolitan Planning Agency;
E. The boundary of land owned, designated, and used by a municipal or quasi-municipal entity such as a utility for source water or watershed protection;
F. A transportation, power transmission, or utility right of way, provided the right of way begins, ends, or passes through some portion of A through E above.

Ownership Eligibility (Section 2)
Project Operator must demonstrate ownership of property and eligibility to receive potential credits by meeting at least one of the following:

A. Own the land, the trees, and potential credits upon which the Project trees are located; or
B. Own an easement or equivalent property interest for a public right of way within which Project trees are located, own the Project trees and credits within that easement, and accept ownership of those Project trees by assuming responsibility for maintenance and liability for them; or

C. Have a written and signed agreement from the landowner granting ownership to the Project Operator of any credits for carbon storage or other benefits delivered by Project trees on that landowner's land. If Project trees are on private property, this agreement must be recorded in the property records of the county in which the land containing Project trees is located.

Additionality (Section 4.1 and Appendix D)
Legally Required Trees NOT Eligible - Project trees cannot be required by law or ordinance to be planted.

Performance Standard Baseline (Appendix D)
Project trees must be additional based on the performance standard baseline attached.

Multiple planting sites may be aggregated into one project (Section 8)
Planting sites can be on public and private land, in different cities, and aggregated into one project, provided that planting on all properties occurs within a 36-month period and that all properties comply with protocol requirements.

Carbon Quantification (Section 12 and Appendix B)
CFC has developed spreadsheets and methods for quantifying carbon stored and credited. The project design including tree spacing and goals will determine the quantification and monitoring requirements. Project Operators will quantify CO_2 using the method appropriate for the project type. CFC supplies all quantification tools. The three main project designs are:

- Single Tree - trees are scattered and spaced apart more than 10 feet, as in streets, yards, some parks, and schools, individual trees are tracked and randomly sampled
- Clustered Parks - trees are relatively contiguous in park-like settings and change in canopy is tracked
- Canopy - trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy

Verification by third-party verifiers (Section 13)
All projects must be verified before receiving credits.

Imaging Requirements (based on planting method)
In order to receive credits, additional information is required at Years 4, 6, and 26. Below are the imaging requirements by planting method:

1) Single Tree (spaced 10' or more apart, i.e. street trees or linear plantings)
    a. Initial Credit: The carbon quantification tool for your project contains a worksheet called "Data Collection" for use in tracking each tree. In that file, document the GPS coordinates for each tree planted.
    b. Years 4, 6, and 26: Geocoded photos or imaging of a minimum sample of 20% of the trees is required at Years 4, 6, and 26. The tracking file includes a column where each tree is assigned a unique serial number to help with tracking each coordinate and tree picture or image.
2) Clustered Parks (spaced 10' apart but continuously so to generate canopy over time, i.e. natural areas)

a. Initial Credit: Projects must document the planting through photos or imaging. Select points and take geo-coded photos that when taken together capture the newly planted trees in the project area. If site is rectilinear, take a photo at each of the corners. If the site is large, take photos at points along the perimeter looking into the project area. If necessary to capture the trees, take photos facing each of the cardinal directions while standing in the middle of the project area. If site is nonrectilinear, identify critical points along property boundaries and take photographs at each point facing in towards the middle of the site. Next, take photographs from the middle of the project area facing out at each cardinal direction.
b. At Years 4, 6, and 26: Project provides images of the Project Area from any telemetry, imaging, remote sensing, i-Tree Canopy, or UAV service, such as Google Earth and estimate the area in tree canopy cover (acres). Imaging from Google Earth with leaf-on may be used. Project operators will calculate the percent of canopy cover from the Google Earth imaging. Projects can use i-Tree Canopy and point sampling to calculate canopy cover. Using i-Tree Canopy, continue adding points until the standard error of the estimate for both the tree and non-tree cover is less than 5%. i-Tree Canopy will supply you with the standard errors. If tree canopy cover is determined using another approach, such as image classification, a short description of the approach should be provided, as well as the QA/QC measures that were used. A tree cover classification accuracy assessment should be conducted, as with randomly placed points, and the percentage tree cover classification accuracy reported.

3) Canopy (closely planted with spacing less than 10' apart so to generate canopy and forest ecosystem, high tree mortality expected, i.e. riparian areas)
   a. Initial Credit: Projects must document the planting through photos or imaging. Select points and take geo-coded photos that when taken together capture the newly planted trees in the project area. If site is rectilinear, take a photo at each of the corners. If the site is large, take photos at points along the perimeter looking into the project area. If necessary to capture the trees, take photos facing each of the cardinal directions while standing in the middle of the project area. If site is nonrectilinear, identify critical points along property boundaries and take photographs at each point facing in towards the middle of the site. Next, take photographs from the middle of the project area facing out at each cardinal direction.
   b. At Years 4, 6, and 26: Project provides images of the Project Area from any telemetry, imaging, remote sensing, i-Tree Canopy, or UAV service, such as Google Earth and estimate the area in tree canopy cover (acres). Imaging from Google Earth with leaf-on may be used. Project operators will calculate the percent of canopy cover from the Google Earth imaging. Projects can use i-Tree Canopy and point sampling to calculate canopy cover. Using i-Tree Canopy, continue adding points until the standard error of the estimate for both the tree and non-tree cover is less than 5%. i-Tree Canopy will supply you with the standard errors. If tree canopy cover is determined using another approach, such as image classification, a short description of the approach should be provided, as well as the QA/QC measures that were used. A tree cover classification accuracy assessment should be conducted, as with randomly placed points, and the percentage tree cover classification accuracy reported.

PROJECT OVERVIEW

Basic Project Details

Project Name: Treasure Valley Municipal Parks Planting
Project Number *(CFC to provide)***:** 004
Project Type: Planting Project (under the Planting Protocol – version 9, dated February 7, 2021)
Project Start Date: June 9, 2021
Project Location *(city, town, or jurisdiction)***:** Boise, ID

Project Operator Name: Treasure Valley Canopy Network
Project Operator Contact Information:
Lance Davisson – 208-994-1135, ldavisson@thekeystoneconcept.com

Project Description
Describe overall project goals, where the project will take place, what method of planting (per Protocol), partners, time period of when the trees have been or will be planted, and any other relevant information. (minimum of 2 paragraphs)

The Treasure Valley Municipal Parks Planting Project is a partnership between the City of Boise and the Treasure Valley Canopy Network (Network). This project will plant approximately 454 trees in 9 municipal parks throughout the Treasure Valley (see vicinity map). Over the course of the next 25 years, these trees will produce over $535,000 in ecosystem services that will benefit our region's environment and its citizens.

The City of Boise is at the heart of Idaho's Treasure Valley, one of the fastest growing metropolitan areas in the United States. As our region grows, its city is committed to building healthy and vibrant public spaces for all citizens to enjoy. The trees planted in these parks will provide residents of various socioeconomic categories with recreational opportunities resulting in healthier environments and people.

This project is the first pilot in the Treasure Valley City Forest Credits Program, administered by the Treasure Valley Canopy Network. As the Network continues to build collaborative partners and planting projects, we anticipate many more opportunities for financial support of our regional City Forest Credits Program. Ultimately, this program will generate funding to significantly increase tree planting efforts throughout the region and raise awareness about the social, environmental, and economic benefits that these trees are providing to our region.

Trees will be planted as scattered single trees throughout the parks as outlined in each municipal park planting plan and planting list.

The Treasure Valley City Forest Credits Program is supported by the diverse public and private member partners of the Treasure Valley Canopy Network (http://www.tvcanopy.net/partners/).

LOCATION AND OWNERSHIP OF PROJECT AREA (Section 1.3 and Section 2)

Project Area Location

Describe where the Project Area is located and how it meets the location criteria.

The plantings are located in the following urban areas:

- Boise, ID (Urban Area Code: 08785 – Boise City, ID)
    - Franklin Park, 310 S Hilton St, Boise, ID 83705
    - Magnolia Park, 7136 N Bogart Ln, Boise, ID 83714
    - Pine Grove Park, 750 S Maple Grove Rd, Boise, ID 83709
    - Hyatt Hidden Lakes, 5301 N Maple Grove Rd, Boise, ID 83704
    - Sterling Park Pond (Mariposa Park), 9851 W Irving St, Boise, ID 83704
    - Harrison Hollow (Hillside Hollow Reserve), 2455 Harrison Hollow Lane, Boise, ID 83702
    - Bernadine Quinn Riverside Park, 3150 W. Pleasanton Ave, Boise, ID 83702
    - Westside Downtown (Cherie Buckner-Webb) Park, 1100 W Bannock St, Boise, ID 83702
    - Bowler Park, 4403 S Surprise Way, Boise, ID 83706

Project Area Ownership and Right to Receive Credits

Describe the property ownership and include relevant documentation including numbered title/filename as an attachment (Ex: 1 - Attestation of Land Ownership, or 1 - Agreement from Owner to Transfer Credits).

Park property ownership, by city:

- Boise, ID
    - Franklin Park – owned by City of Boise
    - Magnolia – owned by City of Boise
    - Pine Grove Park – owned by City of Boise
    - Hyatt Hidden Lakes – owned by City of Boise
    - Mariposa Park (formerly Sterling Park) – owned by City of Boise
    - Harrison Hollow – owned by City of Boise
    - Bernadine Quinn Riverside Park – owned by City of Boise
    - Cherie Buckner-Webb (formerly Westside Downtown) Park – owned by City of Boise
    - Bowler Park – owned by City of Boise

Prior to credit issuance, the property owner and Treasure Valley Canopy Network will sign an agreement outlining the Treasure Valley Canopy Network's right to receive credits from the property owner. Copies will be provided to CFC. – *Refer to attached Agreement to Transfer Credits between TV Canopy Network and City of Boise*

Maps

Provide a detailed map of the Project Area. Also provide a regional-scale map that shows the Project Area within the context of relevant urban/town boundaries. Include numbered title/filename of attachments (Ex: 2 - Regional Scale Map)

1) Map of Project Area

Title/filename of relevant attachment(s):
01 Bernadine Quinn Park.pdf
02 Bowler Park.pdf
03 Cherie Buckner-Webb (Westside Downtown) Park.pdf
04 Franklin Park.pdf
05 Harrison Hollow Park.pdf
06 Hyatt Hidden Lakes Park.pdf
07 Magnolia Park.pdf
08 Mariposa Park.pdf
09 Pine Grove Park.pdf

2) Regional-scale map of Project Area

Title/filename of relevant attachment(s):
Treasure Valley Municipal Parks Project Maps.pdf

Additional Notes

PROJECT DURATION

Project Operator commits to the 25-year project duration requirement through a signed Project Implementation Agreement with City Forest Credits.

ATTESTATIONS

Complete and attach the following attestations: Attestation of No Double Counting of Credits, Attestation of No Net Harm, Attestation of Planting, and Attestation of Planting Affirmation. Provide any additional notes as relevant.

All completed and signed attestations are attached.

ADDITIONALITY

Legally required trees NOT eligible - Project trees are not required by law or ordinance to be planted. See Attestation of Planting.

PERFORMANCE STANDARD BASELINE

Project trees are additional based on the performance standard baseline attached.

PLANTING DESIGN

Describe detailed planting design, including spacing between trees. Will the trees be planted as scattered individual trees, clustered in groups like in natural areas, or tightly clustered to restore a forest ecosystem?

- *Single Tree - trees are scattered and spaced apart more than 10 feet, as in streets, yards, some parks, and schools, individual trees are tracked and randomly sampled*
- *Clustered Parks - trees are relatively contiguous in park-like settings and change in canopy is tracked*
- *Canopy - trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy*

Describe your data collection on Project Trees and show it in the quantification section below. For example, Project Operator can use the data collection sheet contained in the CFC quantification tool or your own approved method.

This project will plant 454 trees using the single tree method in nine parks in Boise, ID. All trees in all parks will be irrigated and maintained by city parks staff, including pruning and replacement as needed. The expected survival rate for this project is 90%. This is based on a regional average for trees planted in new parks. Any tree that dies will be replaced that year over the course of the next 25 years while the project is included in the registry.

All project trees were planted within 2016 - 2021.

CARBON QUANTIFICATION DOCUMENTATION (Section 12 and Appendix B)

Describe which quantification approach you anticipate using, list the project's climate zone, and outline the estimated total number of credits to be issued to the project as well as the amount to be issued upon successful verification. When requesting credits after planting, attach one of the three quantification tool documents below and provide the data you have collected for Project Trees.

- *Single Tree - trees are scattered and spaced apart more than 10 feet, as in streets, yards, some parks, and schools, individual trees are tracked and randomly sampled*
- *Clustered Parks - trees are relatively contiguous in park-like settings and change in canopy is tracked*
- *Canopy – trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy*

Total number of trees planted	454
Project area (acres), if applicable	N/A
Total number of trees per acre, if applicable	N/A
Credits attributed to the project (tCO2e)	663.9
Credits after mortality deduction (10%)	597.51
Contribution to Registry Reversal Pool (5%) (tCO2e)	29.88
Total credits to be issued to the Project Operator (tCO2e)	567.7
Total credits requested to be issued in Year 1 (10% of above)	57

The single tree quantification approach was used to calculate the estimated carbon credits to be issued and co-benefit information. Each park has its own tool and copies are included in CFC records. Below is a summary of the number of trees, total credits, and co-benefits for all parks. The total number of credits being requested at this first issuance is: **57**.

Attachment 8 - 02 Temperate Interior West Single Tree Initial Credit Tool_20211202
Attachment 10 - 01 Tree Inventory from City of Boise

Row Labels	Sum of Quantity
American hornbeam	1
Austrian pine	32
black spruce	3
blue spruce	28
bur oak	2
Callery pear	2
common chokecherry	30
crabapple	54
downy serviceberry	3
eastern redbud	1
elm	2
European hornbeam	6
giant sequoia	10
hawthorn	5
honeylocust	54
Japanese pagoda tree	9
Kentucky coffeetree	4
littleleaf linden	35
London planetree	10
maple	21
northern hackberry	3
northern red oak	21
Norway maple	3
Norway spruce	3
pine	5
red maple	2
river birch	13
Scotch pine	13
spruce	1
sugar maple	3
swamp white oak	5
sweetgum	7
tulip tree	24
Vanderwolf Pine	3
white ash	5
white spruce	23
willow	8
Grand Total	**454**

CARBON CO-BENEFITS QUANTIFICATION DOCUMENTATION (Section 12 and Appendix B)

Summarize co-benefit results based on the project's planting method and provide supporting documentation. CFC can provide co-benefits quantification for Project Operator for rainfall interception, air quality improvements, and energy savings.

- *Single Tree - trees are scattered and spaced apart more than 10 feet, as in streets, yards, some parks, and schools, individual trees are tracked and randomly sampled*
- *Clustered Parks - trees are relatively contiguous in park-like settings and change in canopy is tracked*
- *Canopy - trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy*

Ecosystem Services	***Resource Units***	***Value***
Rainfall Interception (m3/yr)	2,523.31	$5,199.38
Air Quality (t/yr)	0.0600	$1,445.61
CO2 Avoided from Energy Savings	2.43	$48.57
Cooling – Electricity (kWh/yr)	84,571.85	$9,861.08
Heating – Natural Gas (kBtu/yr)	390,109.87	$4,854.67
Grand Total ($/yr)		**$21,409.31**

Attachment 9 - 02 Temperate Interior West Single Tree Initial Credit Tool_20211202

MONITORING AND REPORTING PLANS (Appendix A)

Project Operator is required to submit an annual monitoring report by the anniversary of the first approved verification report. For example, if the verification report is dated January 1, 2021, the first monitoring report will be due by January 1, 2022 and each January 1st thereafter for the duration of the project.

Anticipated Reporting Schedule

Monitoring Report – Year 2	2022	Monitoring Report – Year 15	2035
Monitoring Report – Year 3	2023	Monitoring Report – Year 16	2036
Monitoring Report – Year 4*****	2024	Monitoring Report – Year 17	2037
Monitoring Report – Year 5	2025	Monitoring Report – Year 18	2038
Monitoring Report – Year 6*****	2026	Monitoring Report – Year 19	2039
Monitoring Report – Year 7	2027	Monitoring Report – Year 20	2040
Monitoring Report – Year 8	2028	Monitoring Report – Year 21	2041
Monitoring Report – Year 9	2029	Monitoring Report – Year 22	2042
Monitoring Report – Year 10	2030	Monitoring Report – Year 23	2043
Monitoring Report – Year 11	2031	Monitoring Report – Year 24	2044
Monitoring Report – Year 12	2032	Monitoring Report – Year 25	2045
Monitoring Report – Year 13	2033	Monitoring Report – Year 26*****	2046
Monitoring Report – Year 14	2034		

* Denotes a year where additional information is required in order to receive credits

Monitoring Reports

The report must contain any changes in eligibility status of the Project Operator and any significant tree loss. Monitoring report questions are listed below. The following are questions contained in CFC's annual monitoring report template:

1. Has the contact information for the Project Operator changed? If so, provide new information.
2. Have there been changes in land ownership of the Project Area?
3. Have there been any changes in the Project Design?
4. Have there been any changes in the implementation of management of the Project?
5. Have there been any significant changes to the site (such as flooding or human changes)?
6. Have there been any significant tree or canopy losses?
7. Any other significant elements to report?

Confirm and describe your plans for annual monitoring of this project and specifics on how imaging (see Imaging Requirements in the Protocol Requirements section above) will be conducted based on your project's planting method.

Treasure Valley Canopy Network and City of Boise Parks and Recreation Staff will conduct annual on-site monitoring of the condition of the trees, in addition to the monitoring requirements of the CFC protocols. Monitoring will include photos and condition inspections by an ISA Certified Arborist.

ADDITIONAL INFORMATION

Include additional noteworthy aspects of the project. Examples include collaborative partnerships, community engagement, or project funders.

This is a highly collaborative project, led by Treasure Valley Canopy Network and City of Boise Parks and Recreation. To learn more about this project, its history and background, visit https://www.tvcanopy.net/city-forest-credits.

PROJECT OPERATOR SIGNATURE

Signed by Lance Davisson, Executive Director for Treasure Valley Canopy Network.

Lance Davisson
____
Signature

(208) 994-1135
____
Phone

coordinator@tvcanopy.net
____
Email

ATTACHMENTS

1 - Agreement to Transfer Credits and/or Attestation of Land Ownership
2 - Regional Area Map (in PDD)
3 - Project Area Map (in PDD)
4 - Attestation of No Double Counting of Credits
5 - Attestation of No Net Harm
6 - Attestation of Planting
7 - Attestation of Planting Affirmation
8 - Carbon Quantification Initial Credits Tool (02 Temperate Interior West Single Tree Initial Credit Tool_20211202)
9 - Co-Benefit Quantification Initial Credits Tool (02 Temperate Interior West Single Tree Initial Credit Tool_20211202)
10 - Tree Data (01 Tree Inventory from City of Boise)

PERFORMANCE STANDARD BASELINE METHODOLOGY (Appendix D)

There is a second additionality methodology set out in the WRI GHG Protocol guidelines – the Performance Standard methodology. This Performance Standard essentially allows the project developer, or in this case, the developers of the protocol, to create a performance standard baseline using the data from similar activities over geographic and temporal ranges.

A common perception, particularly in the U.S., is that projects must meet a project specific test. Project-specific additionality is easy to grasp conceptually. The 2014 Climate Action Reserve urban forest protocol essentially uses project-specific requirements and methods.

However, the WRI GHG Protocol clearly states that either a project-specific test or a performance standard baseline is acceptable.[1] One key reason for this is that regional or national data can give a more accurate picture of existing activity than a narrow focus on one project or organization.

Narrowing the lens of additionality to one project or one tree-planting entity can give excellent data on that project or entity, which data can also be compared to other projects or entities (common practice). But plucking one project or entity out of its regional or national context ignores all comparable regional or national data. And that regional or national data may give a more accurate standard than data from one project or entity.

By analogy: one pixel on a screen may be dark. If all you look at is the dark pixel, you see darkness. But the rest of screen may consist of white pixels and be white. Similarly, one active tree-planting organization does not mean its trees are additional on a regional basis. If the region is losing trees, the baseline of activity may be negative regardless of what one active project or entity is doing.

Here is the methodology described in the WRI GHG Protocol to determine a Performance Standard baseline, together with the application of each factor to urban forestry:

[1] WRI GHG Protocol, Chapter 2.14 at 16 and Chapter 3.2 at 19.

Table 2.1 Performance Standard Factors

WRI Performance Standard Factor	As Applied to Urban Forestry
Describe the project activity	Increase in urban trees
Identify the types of candidates	Cities and towns, quasi-governmental entities like utilities, watersheds, and educational institutions, and private property owners
Set the geographic scope (a national scope is explicitly approved as the starting point)	Could use national data for urban forestry, or regional data
Set the temporal scope (start with 5-7 years and justify longer or shorter)	Use 4-7 years for urban forestry
Identify a list of multiple baseline candidates	Many urban areas, which could be blended mathematically to produce a performance standard baseline

The Performance Standard methodology approves of the use of data from many different baseline candidates. In the case of urban forestry, those baseline candidates are other urban areas.[2]

As stated above, the project activity defined is obtaining an increase in urban trees. The best data to show the increase in urban trees via urban forest project activities is national or regional data on tree canopy in urban areas. National or regional data will give a more comprehensive picture of the relevant activity (increase in urban trees) than data from one city, in the same way that a satellite photo of a city shows a more accurate picture of tree canopy in a city than an aerial photo of one neighborhood. Tree canopy data measures the tree cover in urban areas, so it includes multiple baseline candidates such as city governments and private property owners. Tree canopy data, over time, would show the increase or decrease in tree cover.

Data on Tree Canopy Change over Time in Urban Areas

The CFC quantitative team determined that there were data on urban tree canopy cover with a temporal range of four to six years available from four geographic regions. The data are set forth below:

[2] See Nowak, et al. *"Tree and Impervious Cover Change in U.S. Cities,"* Urban Forestry and Urban Greening, 11 (2012), 21-30

Table 2.2 Changes in Urban Tree Canopy (UTC) by region (Nowak and Greenfield, 2012)

City	Abs Change UTC (%)	Relative Change UTC (%)	Ann. Rate (ha UTC/yr)	Ann. Rate (m2 UTC/cap/yr)	Data Years
EAST					
Baltimore, MD	-1.9	-6.3	-100	-1.5	(2001–2005)
Boston, MA	-0.9	-3.2	-20	-0.3	(2003–2008)
New York, NY	-1.2	-5.5	-180	-0.2	(2004–2009)
Pittsburgh, PA	-0.3	-0.8	-10	-0.3	(2004–2008)
Syracuse, NY	1.0	4.0	10	0.7	(2003–2009)
Mean changes	-0.7	-2.4	-60.0	-0.3	
Std Error	0.5	1.9	35.4	0.3	
SOUTH					
Atlanta, GA	-1.8	-3.4	-150	-3.1	(2005–2009)
Houston, TX	-3.0	-9.8	−890	-4.3	(2004–2009)
Miami, FL	-1.7	-7.1	-30	-0.8	(2003–2009)
Nashville, TN	-1.2	-2.4	-300	-5.3	(2003–2008)
New Orleans, LA	-9.6	-29.2	−1120	-24.6	(2005-2009)
Mean changes	-3.5	-10.4	-160.0	-7.6	
Std Error	1.6	4.9	60.5	4.3	
MIDWEST					
Chicago, IL	-0.5	-2.7	-70	-0.2	(2005–2009)
Detroit, MI	-0.7	-3.0	-60	-0.7	(2005–2009)
Kansas City, MO	-1.2	-4.2	-160	-3.5	(2003–2009)
Minneapolis, MN	-1.1	-3.1	-30	-0.8	(2003–2008)
Mean changes	-0.9	-3.3	-80.0	-1.3	
Std Error	0.2	0.3	28.0	0.7	
WEST					
Albuquerque, NM	-2.7	-6.6	-420	-8.3	(2006–2009)
Denver, CO	-0.3	-3.1	-30	-0.5	(2005–2009)
Los Angeles, CA	-0.9	-4.2	-270	-0.7	(2005–2009)
Portland, OR	-0.6	-1.9	-50	-0.9	(2005–2009)
Spokane, WA	-0.6	-2.5	-20	-1.0	(2002–2007)
Tacoma, WA	-1.4	-5.8	-50	-2.6	(2001–2005)
Mean changes	-1.1	-4.0	-140.0	-2.3	
Std Error	0.4	0.8	67.8	1.2	

These data have been updated by Nowak and Greenfield.[3] The 2012 data show that urban tree canopy is experiencing negative growth in all four regions. The 2018 data document continued loss of urban tree cover. Table 3 of the 2018 article shows data for all states, with a national loss of urban and community tree cover of 175,000 acres per year during the study years of 2009-2014.

To put this loss in perspective, the total land area of urban and community tree cover loss during the study years totals 1,367 square miles – equal to the combined land area of New York City, Atlanta, Philadelphia, Miami, Boston, Cleveland, Pittsburgh, St. Louis, Portland (Oregon), San Francisco, Seattle, and Boise.

Even though there may be individual tree planting activities that increase the number of urban trees within small geographic locations, the performance of activities to increase tree cover shows a negative baseline. The Drafting Group did not use negative baselines for the Tree Planting Protocol, but determined to use baselines of zero.

Deployment of the Performance Standard baseline methodology for a City Forest Tree Planting Protocol is supported by conclusions that make sense and are anchored in the real world:

- With the data showing that tree loss exceeds gains from planting, new plantings are justified as additional to that decreasing canopy baseline. In fact, the negative baseline would justify as additional any trees that are protected from removal.

- Because almost no urban trees are planted now with carbon as a decisive factor, urban tree planting done to sequester carbon is additional;

- Almost no urban trees are currently planted with a contractual commitment for monitoring. Maintenance of trees is universally an intention, one that is frequently reached when budgets are cut, as in the Covid-19 era. The 25-year commitment required by this Protocol is entirely additional to any practice in place in the U.S. and will result in substantial additional trees surviving to maturity;

- Because the urban forest is a public resource, and because public funding falls far short of maintaining tree cover and stocking, carbon revenues will result in additional trees planted or in maintenance that will result in additional trees surviving to maturity;

- Because virtually all new large-scale urban tree planting is conducted by governmental entities or non-profits, or by private property developers complying with governmental regulations (which would not be eligible for carbon credits under our protocol), and because any carbon revenues will defray only a portion of the costs of tree planting, there is little danger of unjust enrichment to developers of city forest carbon projects.

[3] Nowak et al. 2018. "Declining Urban and Community Tree Cover in the United States," *Urban Forestry and Urban Greening,* 32, 32-55

Last, the WRI GHG Protocol recognizes explicitly that the principles underlying carbon protocols need to be adapted to different types of projects. The WRI Protocol further approves of balancing the stringency of requirements with the need to encourage participation in desirable carbon projects:

Setting the stringency of additionality rules involves a balancing act. Additionality criteria that are too lenient and grant recognition for "non-additional" GHG reductions will undermine the GHG program's effectiveness. On the other hand, making the criteria for additionality too stringent could unnecessarily limit the number of recognized GHG reductions, in some cases excluding project activities that are truly additional and highly desirable. In practice, no approach to additionality can completely avoid these kinds of errors. Generally, reducing one type of error will result in an increase of the other. Ultimately, there is no technically correct level of stringency for additionality rules. GHG programs may decide based on their policy objectives that it is better to avoid one type of error than the other.[4]

The policy considerations weigh heavily in favor of "highly desirable" planting projects to reverse tree loss for the public resource of city forests.

[4] WRI GHG Protocol, Chapter 3.1 at 19.

QUANTIFYING CARBON DIOXIDE STORAGE AND CO-BENEFITS FOR URBAN TREE PLANTING PROJECTS (Appendix B)

Introduction

Ecoservices provided by trees to human beneficiaries are classified according to their spatial scale as global and local (Costanza 2008) (citations in Part 1 are listed in References at page 16). Removal of carbon dioxide (CO_2) from the atmosphere by urban forests is global because the atmosphere is so well-mixed it does not matter where the trees are located. The effects of urban forests on building energy use is a local-scale service because it depends on the proximity of trees to buildings. To quantify these and other ecoservices City Forest Credits (CFC) has relied on peer-reviewed research that has combined measurements and modeling of urban tree biomass, and effects of trees on building energy use, rainfall interception, and air quality. CFC has used the most current science available on urban tree growth in its estimates of CO_2 storage (McPherson et al., 2016a). CFC's quantification tools provide estimates of co-benefits after 25 years in Resource Units (i.e., kWh of electricity saved) and dollars per year. Values for co-benefits are first-order approximations extracted from the i-Tree Streets (i-Tree Eco) datasets for each of the 16 U.S. reference cities/climate zones (https://www.itreetools.org/tools/i-tree-eco) (Maco and McPherson, 2003). Modeling approaches and error estimates associated with quantification of CO_2 storage and co-benefits have been documented in numerous publications (see References below) and are summarized here.

Carbon Dioxide Storage

There are three different methods for quantifying carbon dioxide (CO_2) storage in urban forest carbon projects:

- Single Tree Method - planted trees are scattered among many existing trees, as in street, yard, some parks, and school plantings, individual trees are tracked and randomly sampled
- Clustered Parks Planting Method - planted trees are relatively contiguous in park-like settings and change in canopy is tracked
- Canopy Method – trees are planted very close together, often but not required to be in riparian areas, significant mortality is expected, and change in canopy is tracked. The two main goals are to create a forest ecosystem and generate canopy
- Area Reforestation Method – large areas are planted to generate a forest ecosystem, for example converting from agriculture and in upland areas. This quantification method is under development

In all cases, the estimated amount of CO_2 stored 25-years after planting is calculated. The forecasted amount of CO_2 stored during this time is the value from which the Registry issues credits in the amounts of 10%, 40% and 30% at Years 1, 4, and 6 after planting, respectively. A 20% mortality deduction is applied before calculation of Year 1 Credits in the Single Tree and Clustered Parks Planting Methods. A 5% buffer pool deduction is applied in all three methods before calculation of any crediting, with these funds going into a program-wide pool to insure against catastrophic loss of trees. At the end of the project, in year 25, Operators will receive credits for all CO_2 stored, minus credits already issued.

In the Single Tree Method, the amount of CO_2 stored in project trees 25-years after planting is calculated as the product of tree numbers and the 25-year CO_2 index (kg/tree) for each tree-type (e.g., Broadleaf Deciduous Large = BDL). The Registry requires the user to apply a 20% tree mortality deduction before calculation of Year 1 Credits. Year 4 and Year 6 Credits depend on sampling and mortality data. A 5% buffer pool deduction is applied as well before calculation at any stage.

In the Clustered Parks Planting Method, the amount of CO_2 stored after 25-years by planted project trees is based on the anticipated amount of tree canopy area (TC). Because different tree-types store different amounts of CO_2 based on their size and wood density, TC is weighted based on species mix. The estimated amount of TC area occupied by each tree-type is the product of the total TC and each tree-type's percentage TC. This calculation distributes the TC area among tree-types based on the percentage of trees planted and each tree-type's crown projection area. Subsequent calculations reduce the amount of CO_2 estimated to be stored after 25 years based on the 20% anticipated mortality rate and the 5% buffer pool deduction.

In the Canopy Method, the forecasted amount of CO_2 stored at 25-years is the product of the amount of TC and the CO_2 Index (CI, t CO_2 per acre). This approach recognizes that forest dynamics for riparian projects are different than for park projects. In many cases, native species are planted close together and early competition results in high mortality and rapid canopy closure. Unlike urban park plantings, substantial amounts of carbon can be stored in the riparian understory vegetation and forest floor. To provide an accurate and complete accounting, we use the USDA Forest Service General Technical Report NE-343, with biometric data for 51 forest ecosystems derived from U.S. Forest Inventory and Assessment plots (Smith et al., 2006). The tables provide carbon stored per hectare for each of six carbon pools as a function of stand age. We use values for 25-year old stands that account for carbon in down dead wood and forest floor material, as well as the understory vegetation and soil. If local plot data are provided, values for live wood, dead standing and dead down wood are adjusted following guidance in GTR NE-343. More information on methods used to prepare the tables and make adjustments can be found in Smith et al., 2006. See Attachment A at the end of this Appendix for more information on the Canopy Method.

<u>Source Materials for Single Tree Method and Clustered Parks Planting Methods</u>
Estimates of stored (amount accumulated over many years) and sequestered CO_2 (i.e., net amount stored by tree growth over one year) are based on the U.S. Forest Service's recently published technical manual and the extensive Urban Tree Database (UTD), which catalogs urban trees with their projected growth tailored to specific geographic regions (McPherson et al. 2016a, b). The products are a culmination of 14 years of work, analyzing more than 14,000 trees across the United States. Whereas prior growth models typically featured only a few species specific to a given city or region, the newly released database features 171 distinct species across 16 U.S. climate zones. The trees studied also spanned a range of ages with data collected from a consistent set of measurements. Advances in statistical modeling have given the projected growth dimensions a level of accuracy never before seen. Moving beyond just calculating a tree's diameter or age to determine expected growth, the research incorporates 365 sets of tree growth equations to project growth.

Users select their climate zone from the 16 U.S. climate zones (Fig. 1). Calculations of CO_2 stored are for a representative species for each tree-type that was one of the predominant street tree species per reference city (Peper et al., 2001). The "Reference city" refers to the city selected for intensive study within each climate zone (McPherson, 2010). About 20 of the most abundant species were selected for sampling in each reference city. The sample was stratified into nine diameter at breast height (DBH) classes (0 to 7.6, 7.6 to 15.2, 15.2 to 30.5, 30.5 to 45.7, 45.7 to 61.0, 61.0 to 76.2, 76.2 to 91.4, 91.4 to 106.7, and >106.7 cm). Typically 10 to 15 trees per DBH class were randomly chosen. Data were collected for 16 to 74 trees in total from each species. Measurements included: species name, age, DBH [to the nearest 0.1 cm (0.39 in)], tree height [to the nearest 0.5 m (1.64 ft.)], crown height [to the nearest 0.5 m (1.64 ft.)], and crown diameter in two directions [parallel and perpendicular to nearest street to the nearest 0.5 m (1.64 ft.)]. Tree age was determined from local residents, the city's urban forester, street and home construction dates, historical planting records, and aerial and historical photos.

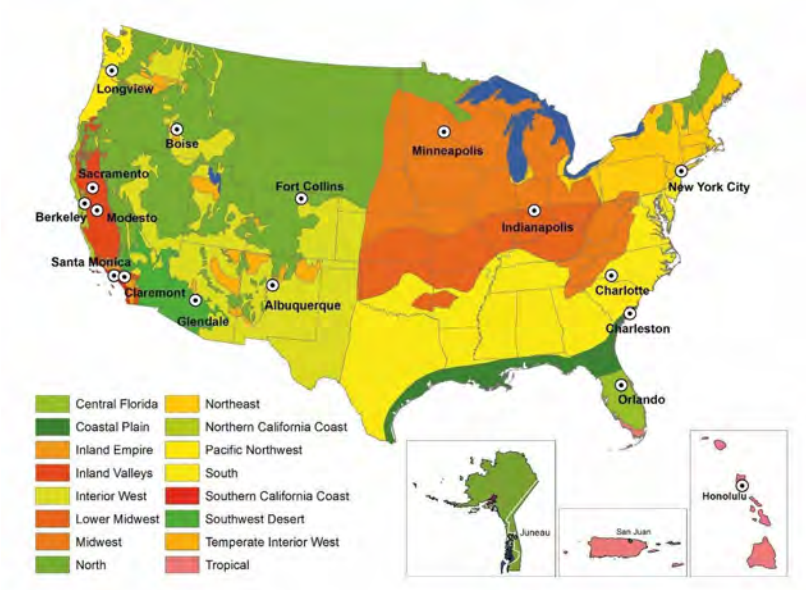


Fig. 1. Climate zones of the United States and Puerto Rico were aggregated from 45 Sunset climate zones into 16 zones. Each zone has a reference city where tree data were collected. Sacramento, California was added as a second reference city (with Modesto) to the Inland Valleys zone. Zones for Alaska, Puerto Rico and Hawaii are shown in the insets (map courtesy of Pacific Southwest Research Station).

<u>Species Assignment by Tree-Type</u>

Representative species for each tree-type in the South climate zone (reference city is Charlotte, NC) are shown in Table 1. They were chosen because extensive measurements were taken on them to generate growth equations, and their mature size and form was deemed typical of other trees in that tree-type. Representative species were not available for some tree-types because none were measured. In that case, a species of similar mature size and form from the same climate zone was selected, or one from another climate zone was selected. For example, no Broadleaf Evergreen Large (BEL) species was measured in the South reference city. Because of its large mature size, *Quercus nigra* was selected to represent the BEL tree-type, although it is deciduous for a short time. *Pinus contorta*, which was measured in the PNW climate zone, was selected for the CES tree-type, because no CES species was measured in the South.

Table 1. Nine tree-types and abbreviations. Representative species assigned to each tree-type in the South climate zone are listed. The biomass equations (species, urban general broadleaf [UGB], urban general conifer [UGC]) and dry weight density (kg/m^3) used to calculate biomass are listed for each tree-type.

Tree-Type	Tree-Type Abbreviation	Species Assigned	DW Density	Biomass Equations
Brdlf Decid Large (>50 ft)	BDL	*Quercus phellos*	600	*Quercus macrocarpa* [1.]
Brdlf Decid Med (30-50 ft)	BDM	*Pyrus calleryana*	600	UGB [2.]
Brdlf Decid Small (<30 ft)	BDS	*Cornus florida*	545	UGB [2.]
Brdlf Evgrn Large (>50 ft)	BEL	*Quercus nigra*	797	UGB [2.]
Brdlf Evgrn Med (30-50 ft)	BEM	*Magnolia grandiflora*	523	UGB [2.]
Brdlf Evgrn Small (<30 ft)	BES	*Ilex opaca*	580	UGB [2.]
Conif Evgrn Large (>50 ft)	CEL	*Pinus taeda*	389	UGC [2.]
Conif Evgrn Med (30-50 ft)	CEM	*Juniperus virginiana*	393	UGC [2.]
Conif Evgrn Small (<30 ft)	CES	*Pinus contorta*	397	UGC [2.]

[1.] from Lefsky, M., & McHale, M.,2008.
[2] from Aguaron, E., & McPherson, E. G., 2012

Calculating Biomass and Carbon Dioxide Stored

To estimate CO_2 stored, the biomass for each tree-type was calculated using urban-based allometric equations because open-growing city trees partition carbon differently than forest trees (McPherson et al., 2017a). Input variables included climate zone, species, and DBH. To project tree size at 25-years after planting, we used DBH obtained from UTD growth curves for each representative species.

Biomass equations were compiled for 26 open-grown urban trees species from literature sources (Aguaron and McPherson, 2012). General equations (Urban Gen Broadleaf and Urban Gen Conifer) were developed from the 26 urban-based equations that were species specific (McPherson et al., 2016a). These equations were used if the species of interest could not be matched taxonomically or through wood form to one of the urban species with a biomass equation. Hence, urban general equations were an alternative to applying species-specific equations because many species did not have an equation.

These allometric equations yielded aboveground wood volume. Species-specific dry weight (DW) density factors (Table 1) were used to convert green volume into dry weight (7a). The urban general equations required looking up a dry weight density factor (in Jenkins et al. 2004 first, but if not available then the Global Wood Density Database). The amount of belowground biomass in roots of urban trees is not well researched. This work assumed that root biomass was 28% of total tree biomass (Cairns et al., 1997; Husch et al., 2003; Wenger, 1984). Wood volume (dry weight) was converted to C by multiplying by the constant 0.50 (Leith, 1975), and C was converted to CO_2 by multiplying by 3.667.

Error Estimates and Limitations

The lack of biometric data from the field remains a serious limitation to our ability to calibrate biomass equations and assign error estimates for urban trees. Differences between modeled and actual tree growth adds uncertainty to CO_2 sequestration estimates. Species assignment errors result from matching species planted with the tree-type used for biomass and growth calculations. The magnitude of this error depends on the goodness of fit in terms of matching size and growth rate. In previous urban studies the prediction bias for estimates of CO_2 storage ranged from -9% to +15%, with inaccuracies as much as 51% RMSE (Timilsina et al., 2014). Hence, a conservative estimate of error of ± 20% can be applied to estimates of total CO_2 stored as an indicator of precision.

It should be noted that estimates of CO_2 stored using the Tree Canopy Approach have several limitations that may reduce their accuracy. They rely on allometric relationships for open-growing trees, so storage estimates may not be as accurate when trees are closely spaced. Also, they assume that the distribution of tree canopy cover among tree-types remains constant, when in fact mortality may afflict certain species more than others. For these reasons, periodic "truing-up" of estimates by field sampling is suggested.

Co-Benefit: Energy Savings

Trees and forests can offer energy savings in two important ways. In warmer climates or hotter months, trees can reduce air conditioning bills by keeping buildings cooler through reducing regional air temperatures and offering shade. In colder climates or cooler months, trees can confer savings on the fuel needed to heat buildings by reducing the amount of cold winds that can strip away heat.

Energy conservation by trees is important because building energy use is a major contributor to greenhouse gas emissions. Oil or gas furnaces and most forms of electricity generation produce CO_2 and other pollutants as by-products. Reducing the amount of energy consumed by buildings in urban areas is one of the most effective methods of combatting climate change. Energy consumption is also a costly burden on many low-income families, especially during mid-summer or mid-winter. Furthermore, electricity consumption during mid-summer can sometimes over-extend local power grids leading to rolling brownouts and other problems.

Energy savings are calculated through numerical models and simulations built from observational data on proximity of trees to buildings, tree shapes, tree sizes, building age classes, and meteorological data from McPherson et al. (2017) and McPherson and Simpson (2003). The main parameters affecting the overall amount of energy savings are crown shape, building proximity, azimuth, local climate, and season. Shading effects are based on the distribution of street trees with respect to buildings recorded from aerial photographs for each reference city (McPherson and Simpson, 2003). If a sampled tree was located within 18 m of a conditioned building, information on its distance and compass bearing relative to a building, building age class (which influences energy use) and types of heating and cooling equipment were collected and used as inputs to calculate effects of shade on annual heating and cooling energy effects. Because these distributions were unique to each city, energy values are considered first-order approximations.

In addition to localized shade effects, which were assumed to accrue only to trees within 18 m of a building, lowered air temperatures and windspeeds from increased neighborhood tree cover (referred to as climate effects) can produce a net decrease in demand for winter heating and summer cooling (reduced wind speeds by themselves may increase or decrease cooling demand, depending on the circumstances). Climate effects on energy use, air temperature, and wind speed, as a function of neighborhood canopy cover, were estimated from published values for each reference city. The percentages of canopy cover increase were calculated for 20-year-old large, medium, and small trees, based on their crown projection areas and effective lot size (actual lot size plus a portion of adjacent street and other rights-of-way) of 10,000 ft^2 (929 m^2), and one tree on average was assumed per lot. Climate effects were estimated by simulating effects of wind and air-temperature reductions on building energy use.

In the case of urban Tree Preservation Projects, trees may not be close enough to buildings to provide shading effects, but they may influence neighborhood climate. Because these effects are highly site-specific, we conservatively apply an 80% reduction to the energy effects of trees for Preservation Projects.

Energy savings are calculated as a real-dollar amount. This is calculated by applying overall reductions in oil and gas usage or electricity usage to the regional cost of oil and gas or electricity for residential customers. Colder regions tend to see larger savings in heating and warmer regions tend to see larger savings in cooling.

Error Estimates and Limitations

Formulaic errors occur in modeling of energy effects. For example, relations between different levels of tree canopy cover and summertime air temperatures are not well-researched. Another source of error stems from differences between the airport climate data (i.e., Los Angeles International Airport) used to model energy effects and the actual climate of the study area (i.e., Los Angeles urban area). Because of the uncertainty associated with modeling effects of trees on building energy use, energy estimates may be accurate within ± 25 percent (Hildebrandt & Sarkovich, 1998).

Co-Benefit: CO_2 Avoided

Energy savings result in reduced emissions of CO_2 and criteria air pollutants (volatile organic hydrocarbons [VOCs], NO_2, SO_2, PM_{10}) from power plants and space-heating equipment. Cooling savings reduce emissions from power plants that produce electricity, the amount depending on the fuel mix. Electricity emissions reductions were based on the fuel mixes and emission factors for each utility in the 16 reference cities/climate zones across the U.S. The dollar values of electrical energy and natural gas were based on retail residential electricity and natural gas prices obtained from each utility. Utility-specific emission factors, fuel prices and other data are available in the Community Tree Guides for each region (https://www.fs.fed.us/psw/topics/urban_forestry/products/tree_guides.shtml). To convert the amount of CO_2 avoided to a dollar amount in the spreadsheet tools, City Forest Credits uses the price of $20 per metric ton of CO_2.

Error Estimates and Limitations

Estimates of avoided CO_2 emissions have the same uncertainties that are associated with modeling effects of trees on building energy use. Also, utility-specific emission factors are changing as many utilities incorporate renewable fuels sources into their portfolios. Values reported in CFC tools may overestimate actual benefits in areas where emission factors have become lower.

Co-Benefit: Rainfall Interception

Forest canopies normally intercept 10-40% of rainfall before it hits the ground, thereby reducing stormwater runoff. The large amount of water that a tree crown can capture during a rainfall event makes tree planting a best management practice for urban stormwater control.

City Forest Credits uses a numerical interception model to calculate the amount of annual rainfall intercepted by trees, as well as throughfall and stem flow (Xiao et al., 2000). This model uses species-specific leaf surface areas and other parameters from the Urban Tree Database. For example, deciduous trees in climate zones with longer "in-leaf" seasons will tend to intercept more rainfall than similar species in colder areas shorter foliation periods. Model results were compared to observed patterns of rainfall interception and found to be accurate. This method quantifies only the amount of rainfall intercepted by the tree crown, and does not incorporate surface and subsurface effects on overland flow.

The rainfall interception benefit was priced by estimating costs of controlling stormwater runoff. Water quality and/or flood control costs were calculated per unit volume of runoff controlled and this price was multiplied by the amount of rainfall intercepted annually.

Error Estimates and Limitations

Estimates of rainfall interception are sensitive to uncertainties regarding rainfall patterns, tree leaf area and surface storage capacities. Rainfall amount, intensity and duration can vary considerably within a climate zone, a factor not considered by the model. Although tree leaf area estimates were derived from extensive measurements on over 14,000 street trees across the U.S. (McPherson et al., 2016a), actual leaf area may differ because of differences in tree health and management. Leaf surface storage capacity, the depth of water that foliage can capture, was recently found to vary threefold among 20 tree species (Xiao & McPherson, 2016). A shortcoming is that this model used the same value (1 mm) for all species. Given these limitations, interception estimates may have uncertainty as great as ± 20 percent.

Co-Benefit: Air Quality

The uptake of air pollutants by urban forests can lower concentrations and affect human health (Derkzen et al., 2015; Nowak et al., 2014). However, pollutant concentrations can be increased if the tree canopy restricts polluted air from mixing with the surrounding atmosphere (Vos et al., 2013). Urban forests are capable of improving air quality by lowering pollutant concentrations enough to significantly affect human health. Generally, trees are able to reduce ozone, nitric oxides, and particulate matter. Some trees can reduce net volatile organic compounds (VOCs), but others can increase them through natural processes. Regardless of the net VOC production, urban forests usually confer a net positive benefit to air quality. Urban forests reduce pollutants through dry deposition on surfaces and uptake of pollutants into leaf stomata.

A numerical model calculated hourly pollutant dry deposition per tree at the regional scale using deposition velocities, hourly meteorological data and pollutant concentrations from local monitoring stations (Scott et al., 1998). The monetary value of tree effects on air quality reflects the value that society places on clean air, as indicated by willingness to pay for pollutant reductions. The monetary value of air quality effects were derived from models that calculated the marginal damage control costs of different pollutants to meet air quality standards (Wang and Santini 1995). Higher costs were associated with higher pollutant concentrations and larger populations exposed to these contaminants.

Error Estimates and Limitations

Pollutant deposition estimates are sensitive to uncertainties associated with canopy resistance, resuspension rates and the spatial distribution of air pollutants and trees. For example, deposition to urban forests during warm periods may be underestimated if the stomata of well-watered trees remain open. In the model, hourly meteorological data from a single station for each climate zone may not be spatially representative of conditions in local atmospheric surface layers. Estimates of air pollutant uptake may be accurate within ± 25 percent.

Conclusions

Our estimates of carbon dioxide storage and co-benefits reflect an incomplete understanding of the processes by which ecoservices are generated and valued (Schulp et al., 2014). Our choice of co-benefits to quantify was limited to those for which numerical models were available. There are many important benefits produced by trees that are not quantified and monetized. These include effects of urban forests on local economies, wildlife, biodiversity and human health and well-being. For instance, effects of urban trees on increased property values have proven to be substantial (Anderson & Cordell, 1988). Previous analyses modeled these "other" benefits of trees by applying the contribution to residential sales prices of a large front yard tree (0.88%) (McPherson et al., 2005). We have not incorporated this benefit because property values are highly variable. It is likely that co-benefits reported here are conservative estimates of the actual ecoservices resulting from local tree planting projects.

References

Aguaron, E., & McPherson, E. G. (2012). Comparison of methods for estimating carbon dioxide storage by Sacramento's urban forest. In R. Lal & B. Augustin (Eds.), *Carbon sequestration in urban ecosystems* (pp. 43-71). Dordrecht, Netherlands: Springer.

Anderson, L. M., & Cordell, H. K. (1988). Influence of trees on residential property values in Athens, Georgia: A survey based on actual sales prices. Landscape and Urban Planning, 15, 153-164.

Cairns, M. A., Brown, S., Helmer, E. H., & Baumgardner, G. A. (1997). Root biomass allocation in the world's upland forests. Oecologia 111, 1-11.

Costanza, R. (2008). Ecosystem services: Multiple classification systems are needed. Biological Conservation, 141(2), 350-352. doi: http://dx.doi.org/10.1016/j.biocon.2007.12.020

Derkzen, M. L., van Teeffelen, A. J. A., & Verburg, P. H. (2015). Quantifying urban ecosystem services based on high-resolution data of urban green space: an assessment for Rotterdam, the Netherlands. Journal of Applied Ecology, 52(4), 1020-1032. doi: 10.1111/1365-2664.12469

Hildebrandt, E. W., & Sarkovich, M. (1998). Assessing the cost-effectiveness of SMUD's shade tree program. Atmospheric Environment, 32, 85-94.

Husch, B., Beers, T. W., & Kershaw, J. A. (2003). *Forest Mensuration* (4th ed.). New York, NY: John Wiley and Sons.

Jenkins, J.C.; Chojnacky, D.C.; Heath, L.S.; Birdsey, R.A. (2004). Comprehensive database of diameter-based biomass regressions for North American tree species. Gen. Tech. Rep. NE-319. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northeastern Research Station. 45 p.

Lefsky, M., & McHale, M. (2008). Volume estimates of trees with complex architecture from terrestrial laser scanning. Journal of Applied Remote Sensing, *2*, 1-19. doi: 02352110.1117/1.2939008

Leith, H. (1975). Modeling the primary productivity of the world. Ecological Studies*, 14*, 237-263.

Maco, S.E., & McPherson, E.G. (2003). A practical approach to assessing structure, function, and value of street tree populations in small communities. Journal of Arboriculture. 29(2): 84-97.

McPherson, E. G. (2010). Selecting reference cities for i-Tree Streets. Arboriculture and Urban Forestry, *36*(5), 230-240.

McPherson, E. Gregory; van Doorn, Natalie S.; Peper, Paula J. (2016a). Urban tree database and allometric equations. General Technical Report PSW-253. U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station, Albany, CA. 86 p. TreeSearch #52933

McPherson, E. Gregory; van Doorn, Natalie S.; Peper, Paula J. (2016b). Urban tree database. Fort Collins, CO: Forest Service Research Data Archive. http://dx.doi.org/10.2737/RDS-2016-0005

McPherson, G., Q. Xiao, N. S. van Doorn, J. de Goede, J. Bjorkman, A. Hollander, R. M. Boynton, J.F. Quinn and J. H. Thorne. (2017). The structure, function and value of urban forests in California communities. Urban Forestry & Urban Greening. 28 (2017): 43-53.

McPherson, E. G., & Simpson, J. R. (2003). Potential energy saving in buildings by an urban tree planting programme in California. Urban Forestry & Urban Greening, 3, 73-86.

McPherson, E. G., Simpson, J. R., Peper, P. J., Maco, S. E., & Xiao, Q. (2005). Municipal forest benefits and costs in five U.S. cities. Journal of Forestry, 103, 411-416.

Nowak, D. J., Hirabayashi, S., Bodine, A., & Greenfield, E. (2014). Tree and forest effects on air quality and human health in the United States. Environmental Pollution, 193, 119-129.

Peper, P. J., McPherson, E. G., & Mori, S. M. (2001). Equations for predicting diameter, height, crown width and leaf area of San Joaquin Valley street trees. Journal of Arboriculture, 27(6), 306-317.

Schulp, C. J. E., Burkhard, B., Maes, J., Van Vliet, J., & Verburg, P. H. (2014). Uncertainties in ecosystem service maps: A comparison on the European scale. PLoS ONE 9(10), e109643.

Scott, K. I., McPherson, E. G., & Simpson, J. R. (1998). Air pollutant uptake by Sacramento's urban forest. Journal of Arboriculture, 24(4), 224-234.

Smith, James E.; Heath, Linda S.; Skog, Kenneth E.; Birdsey, Richard A. 2006. Methods for calculating forest ecosystem and harvested carbon with standard estimates for forest types of the United States. Gen. Tech. Rep. NE-343. Newtown Square, PA: U.S. Department of Agriculture, Forest Service, Northeastern Research Station. 216 p.

Timilsina, N., Staudhammer, C.L., Escobedo, F.J., Lawrence, A. (2014). Tree biomass, wood waste yield and carbon storage changes in an urban forest. Landscape and Urban Planning. 127: 18-27.

Vos, P. E. J., Maiheu, B., Vankerkom, J., & Janssen, S. (2013). Improving local air quality in cities: To tree or not to tree? Environmental Pollution, 183, 113-122. doi: http://dx.doi.org/10.1016/j.envpol.2012.10.021

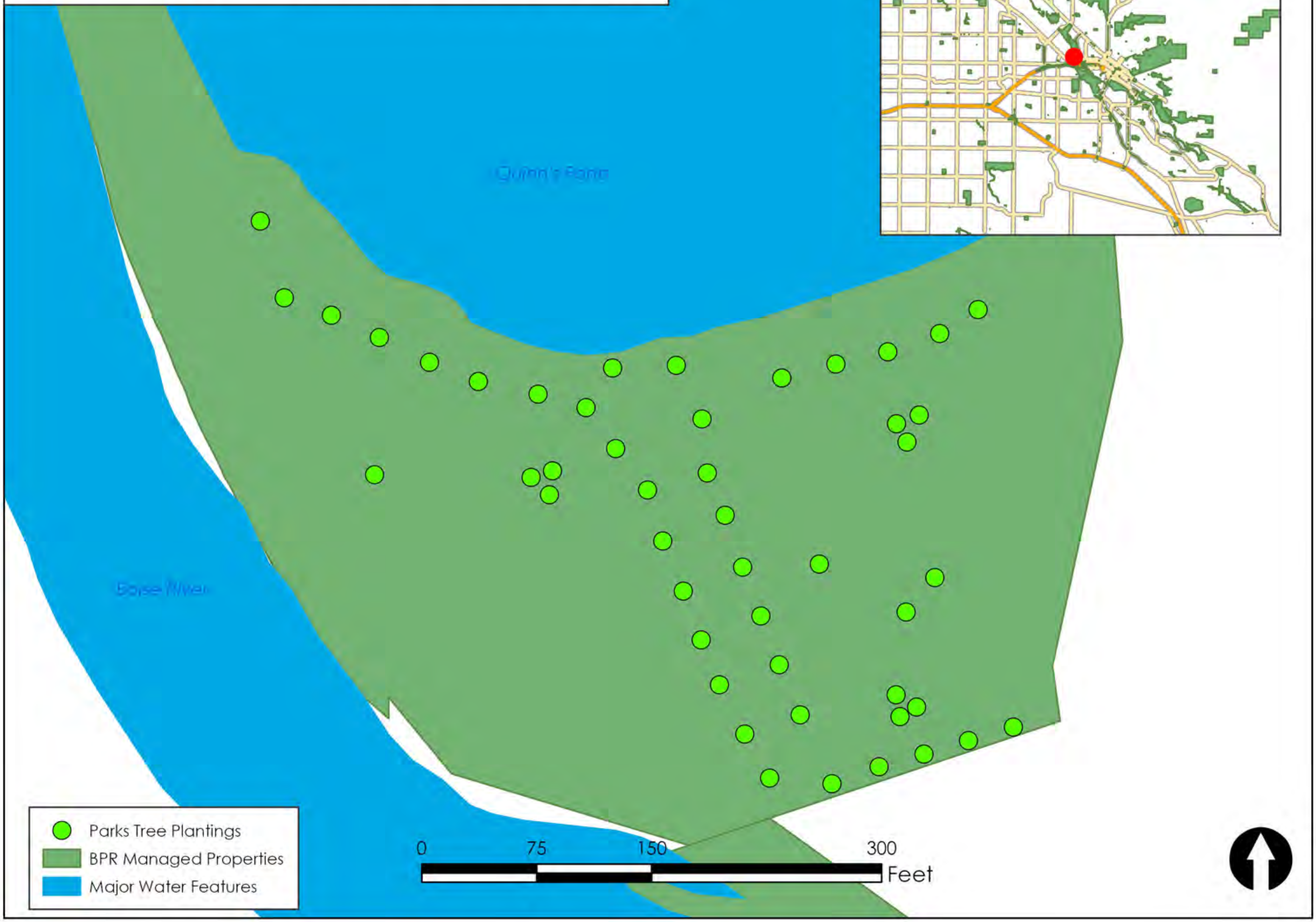
Wang, M.Q.; Santini, D.J. (1995). Monetary values of air pollutant emissions in various U.S. regions. Transportation Research Record 1475. Washington DC: Transportation Research Board.

Wenger, K. F. (1984). Forestry Handbook. New York, NY: John Wiley and Sons.

Xiao, Q., E. G. McPherson, S. L. Ustin, and M. E. Grismer. A new approach to modeling tree rainfall interception. Journal of Geophysical Research. 105 (2000): 29,173-29,188.

Xiao, Q., & McPherson, E. G. (2016). Surface water storage capacity of twenty tree species in Davis, California. Journal of Environmental Quality, 45, 188-198.

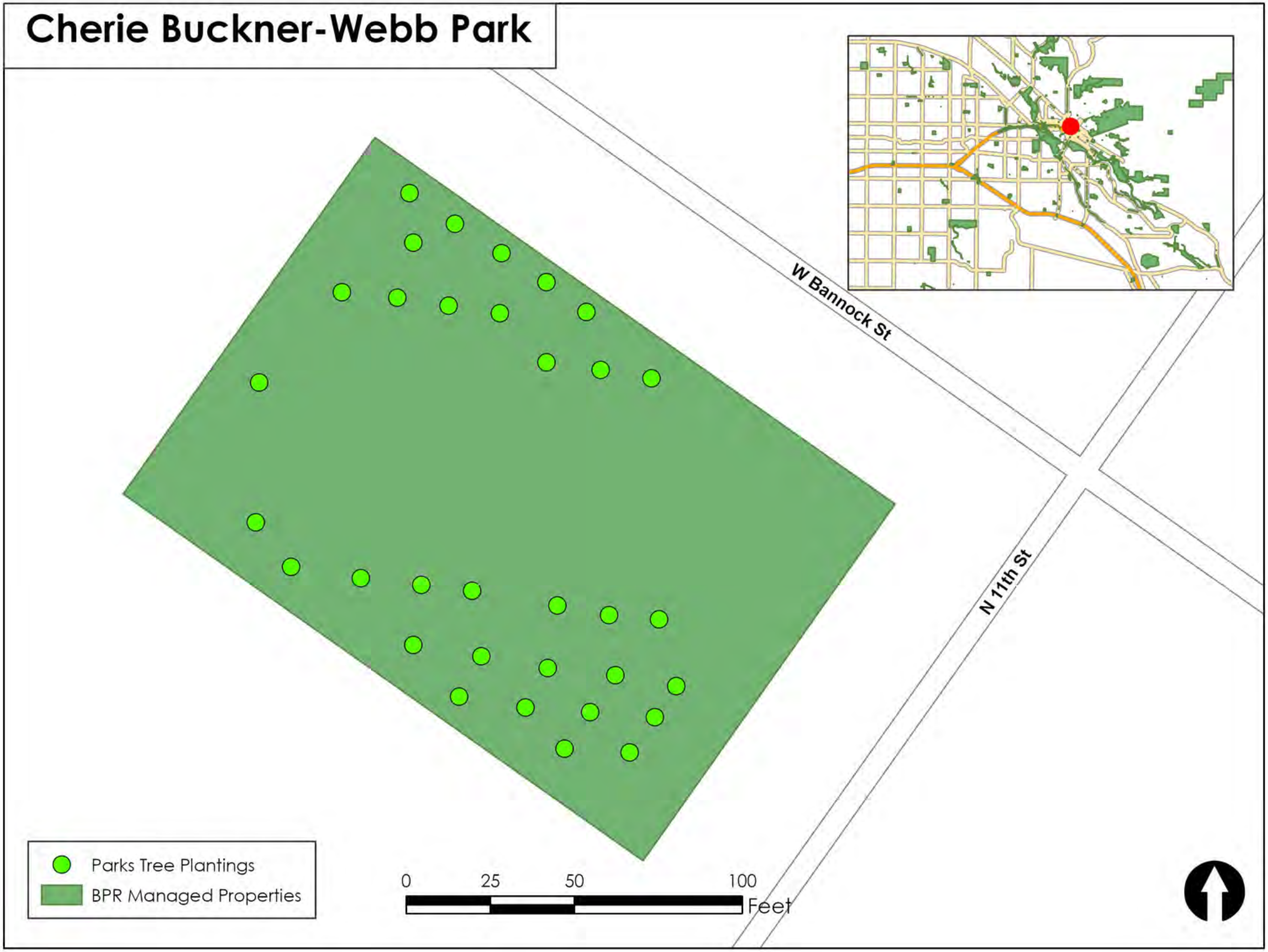
Bernardine Quinn Riverside Park



Bowler Park

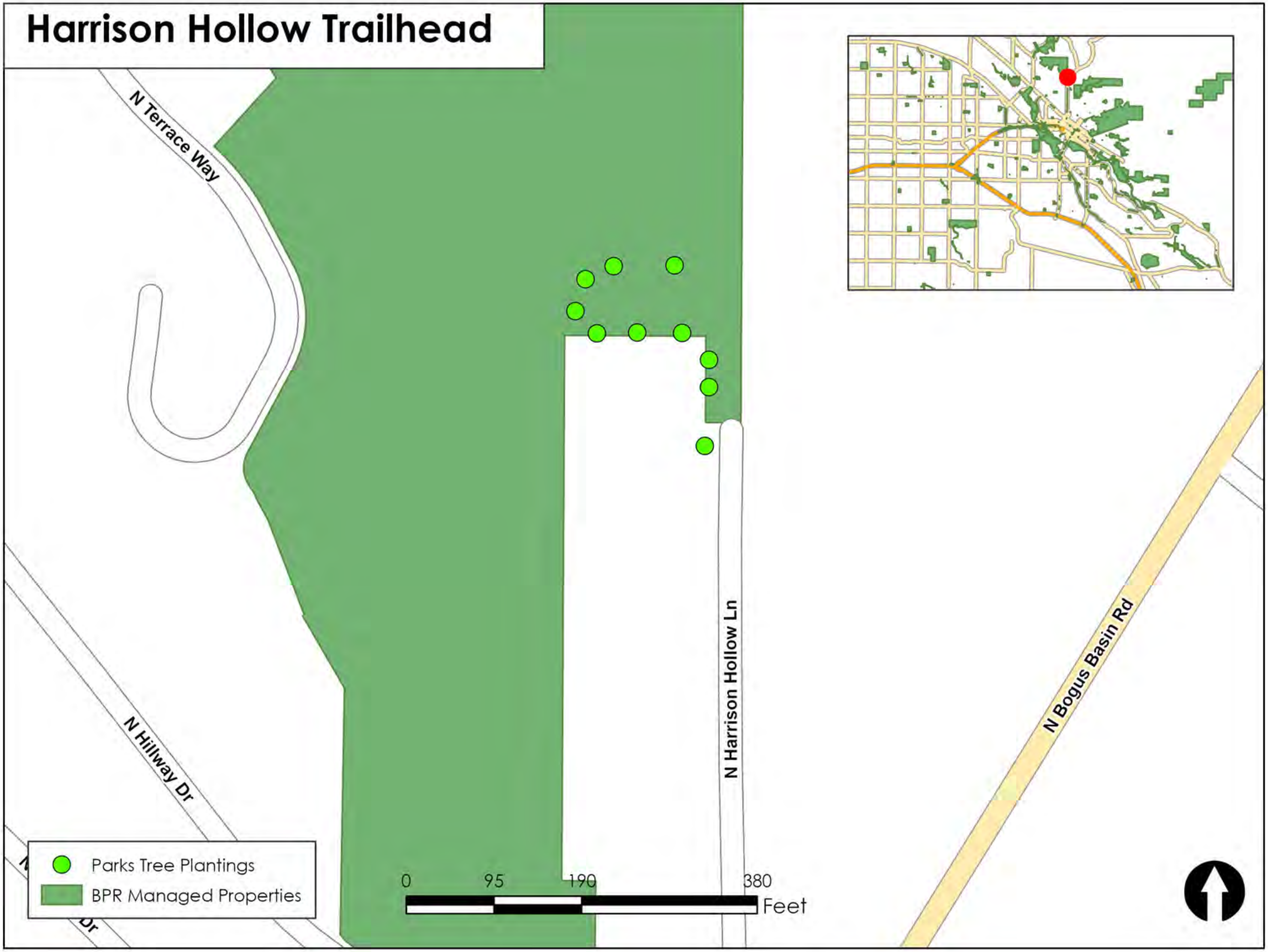

S Oregon Trail Way
E Homestead Rim Dr
E Trekker Rim Dr
E Aphrodite Ct
E Caper Ct
E Flores Ct
Tartarus Way
Parks Tree Plantings
BPR Managed Properties
0
125
250
500
Feet

Cherie Buckner-Webb Park

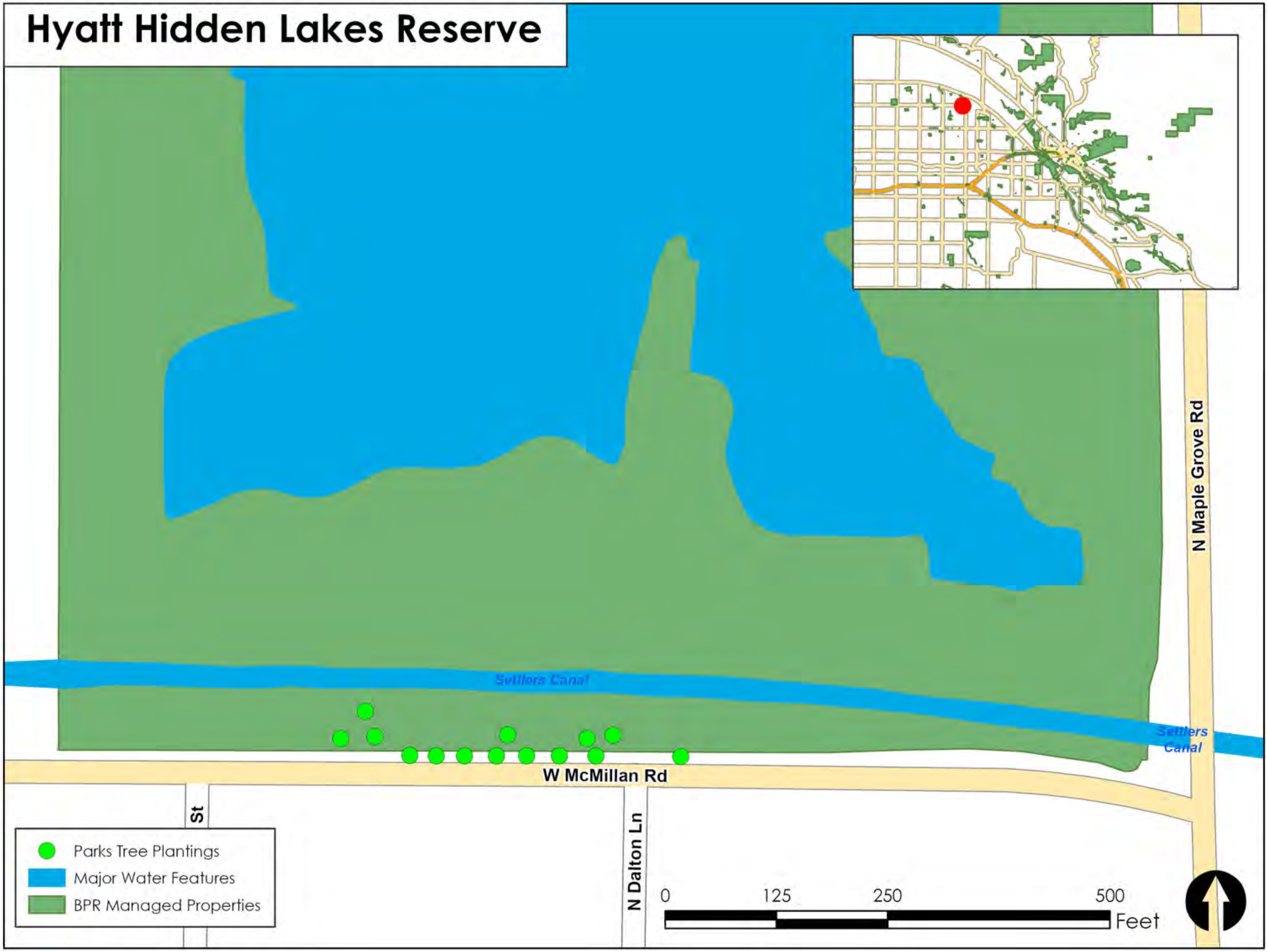


Franklin Park

Harrison Hollow Trailhead

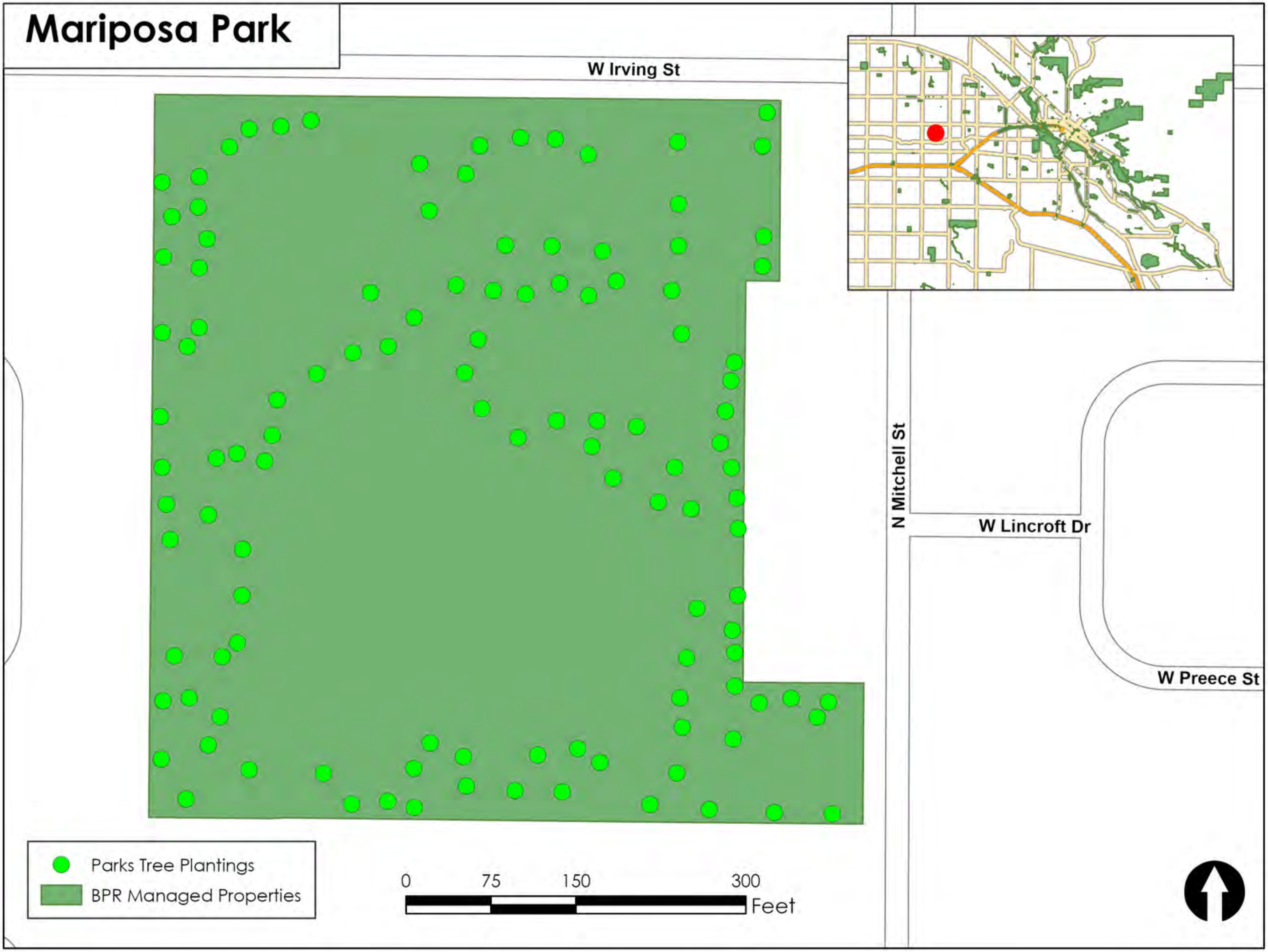


Hyatt Hidden Lakes Reserve

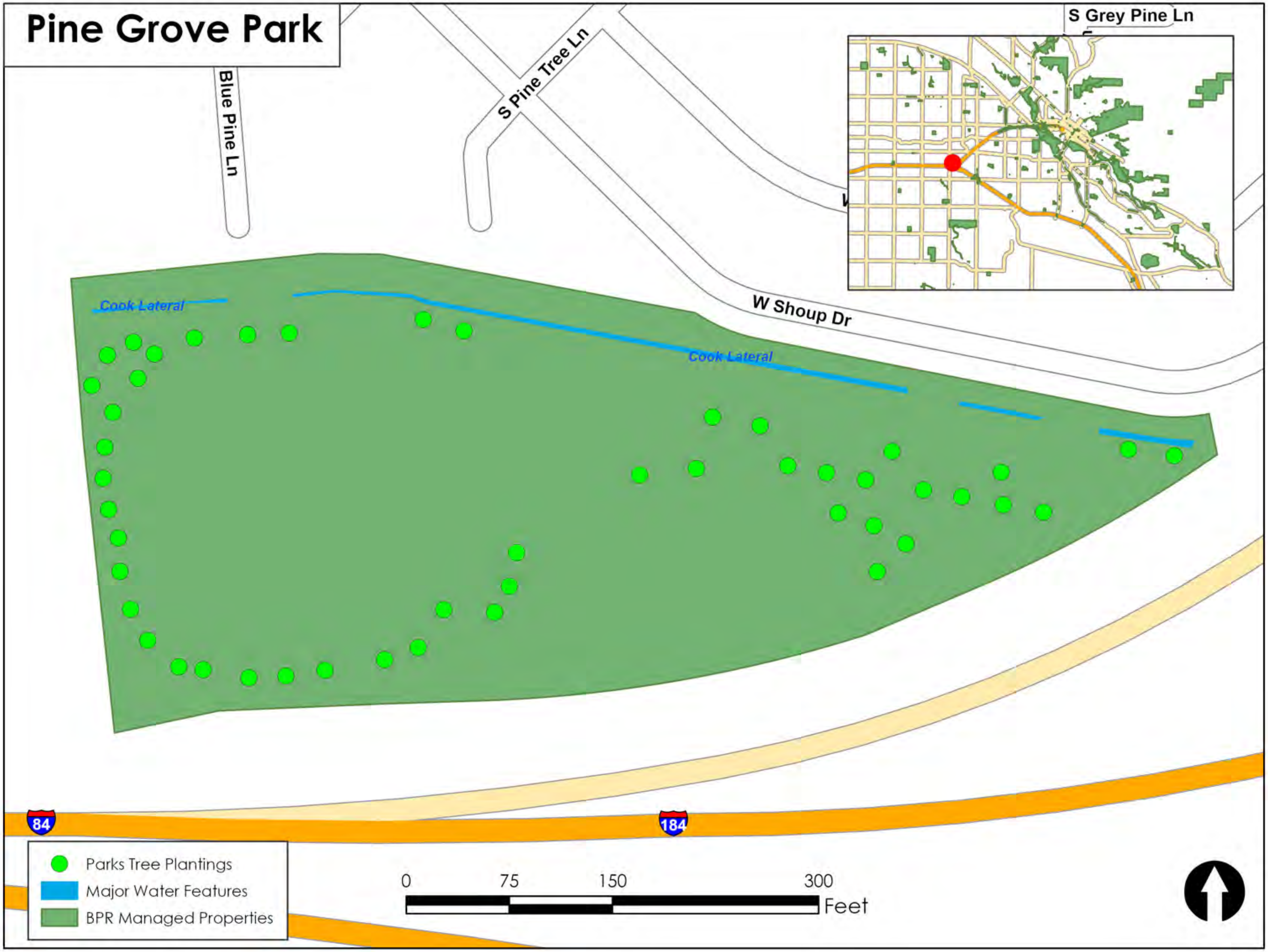


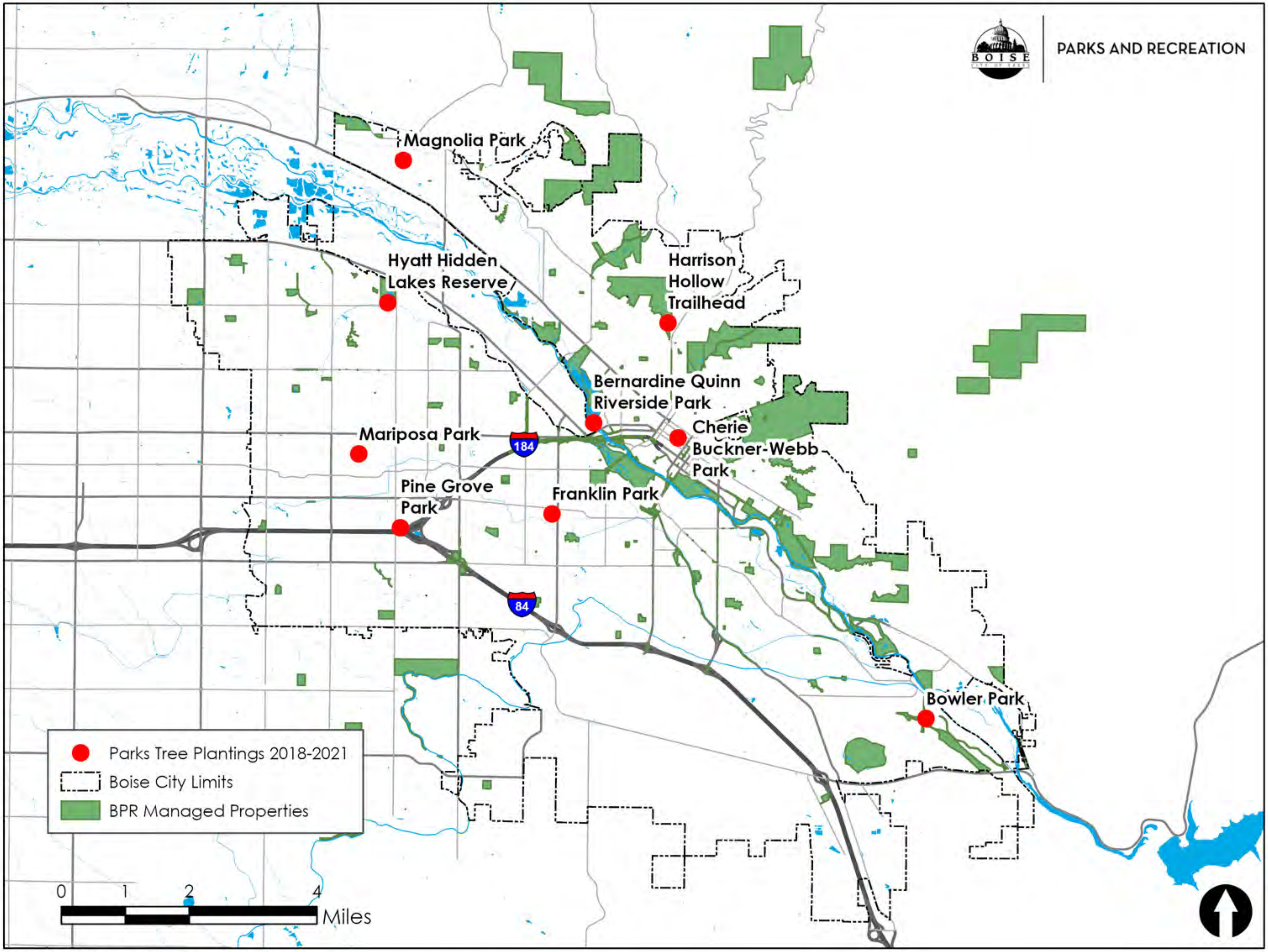
Magnolia Park

Mariposa Park



Pine Grove Park

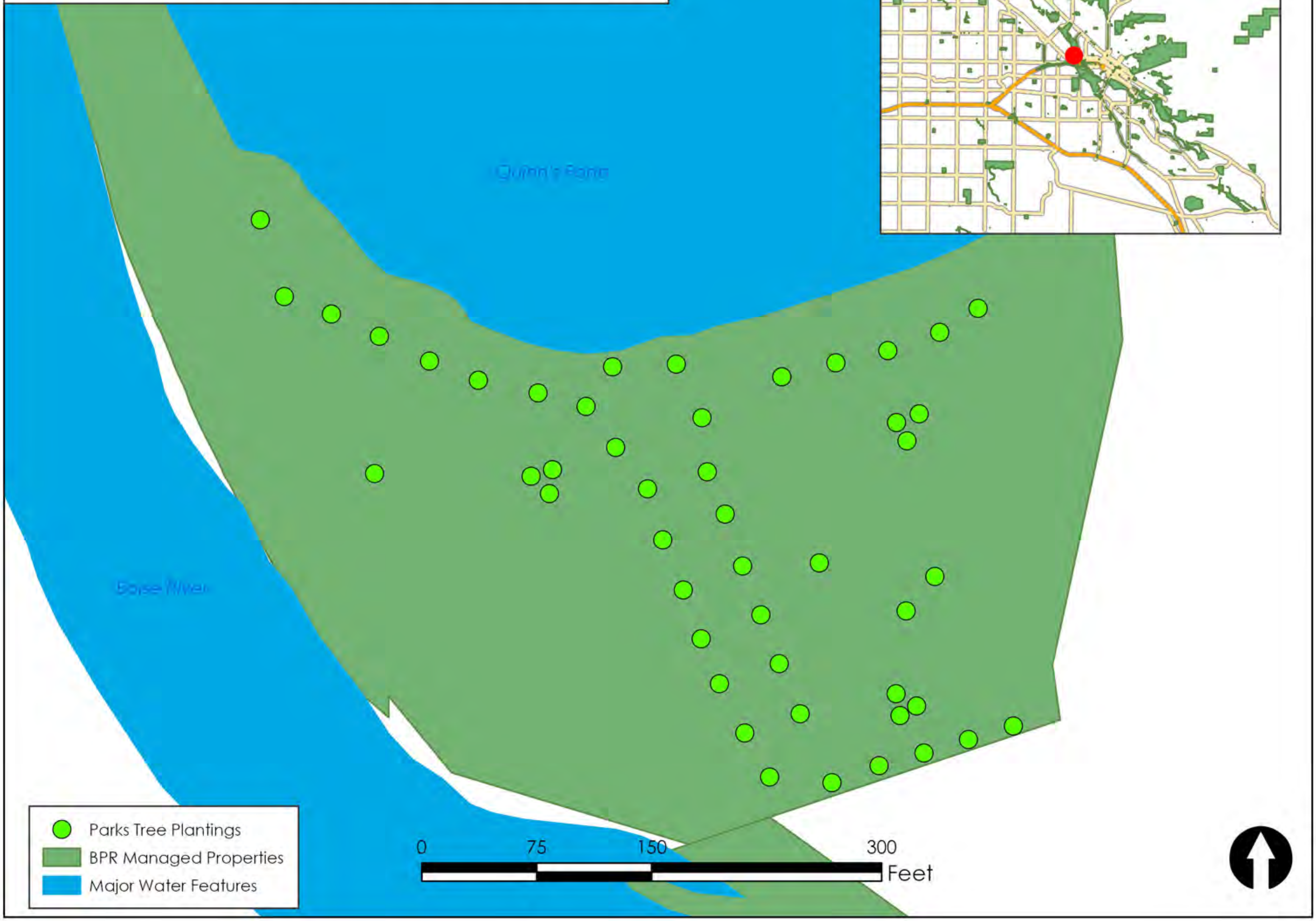




N:\Workspaces\Parks\Projects\StacyS\CityForestCredits

This drawing is to be used only for reference purposes; Boise City is not responsible for any inaccuracies herein contained.

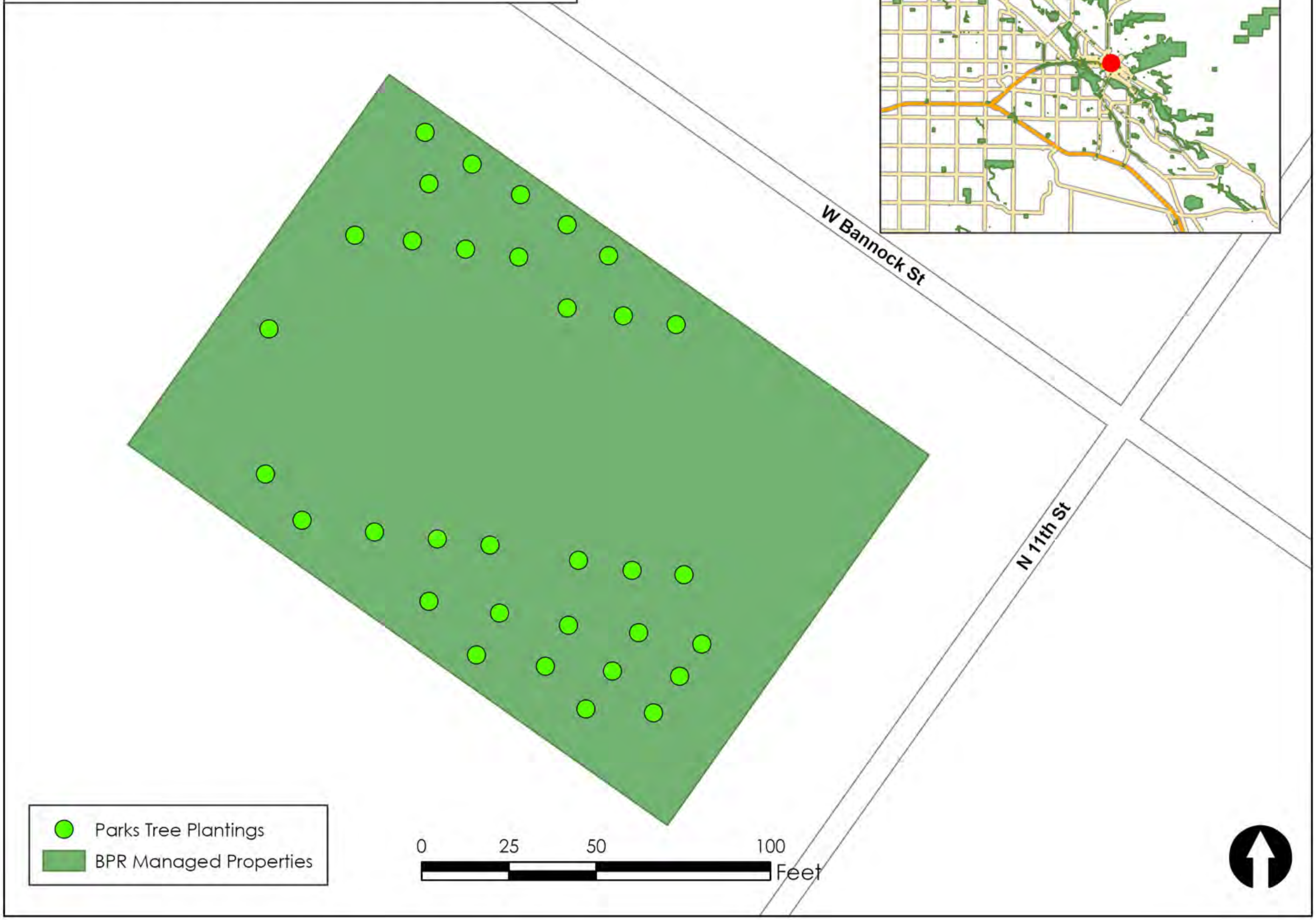
Bernardine Quinn Riverside Park



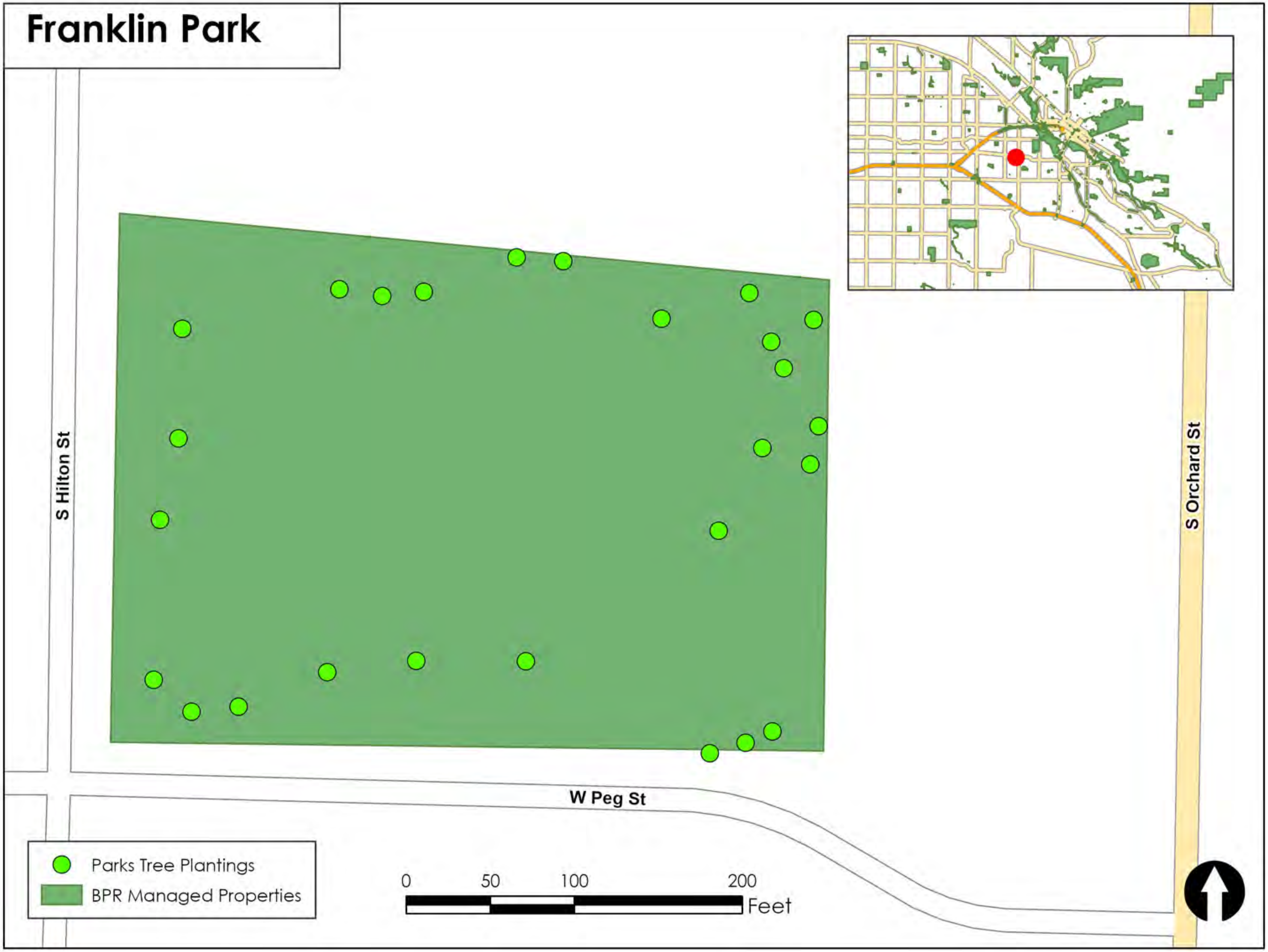
Bowler Park

S Oregon Trail Way
E Homestead Rim Dr
E Trekker Rim Dr
E Aphrodite Ct
E Caper Ct
E Flores Ct
Tartarus Way
Parks Tree Plantings
BPR Managed Properties
0
125
250
500
Feet

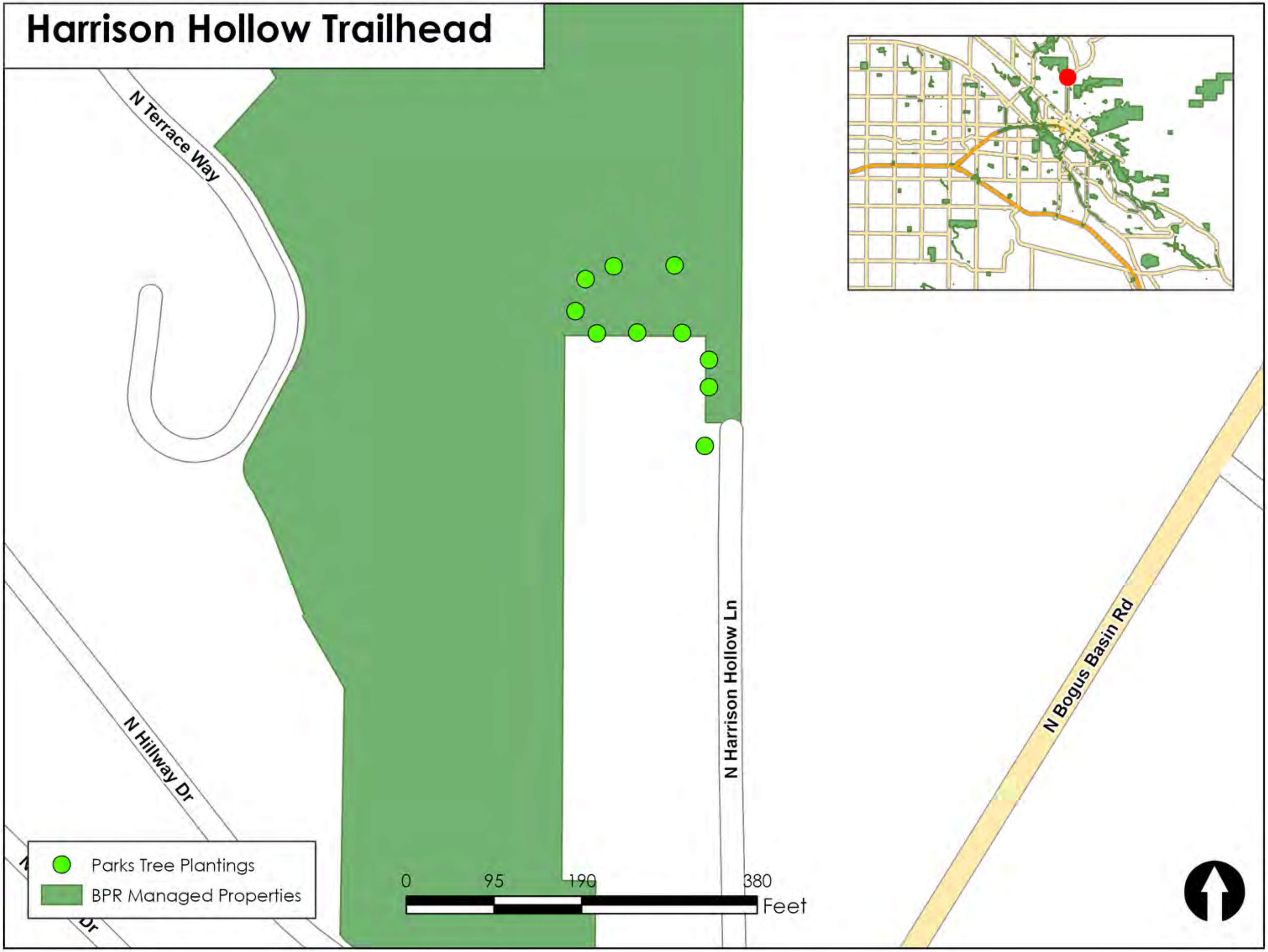
Cherie Buckner-Webb Park



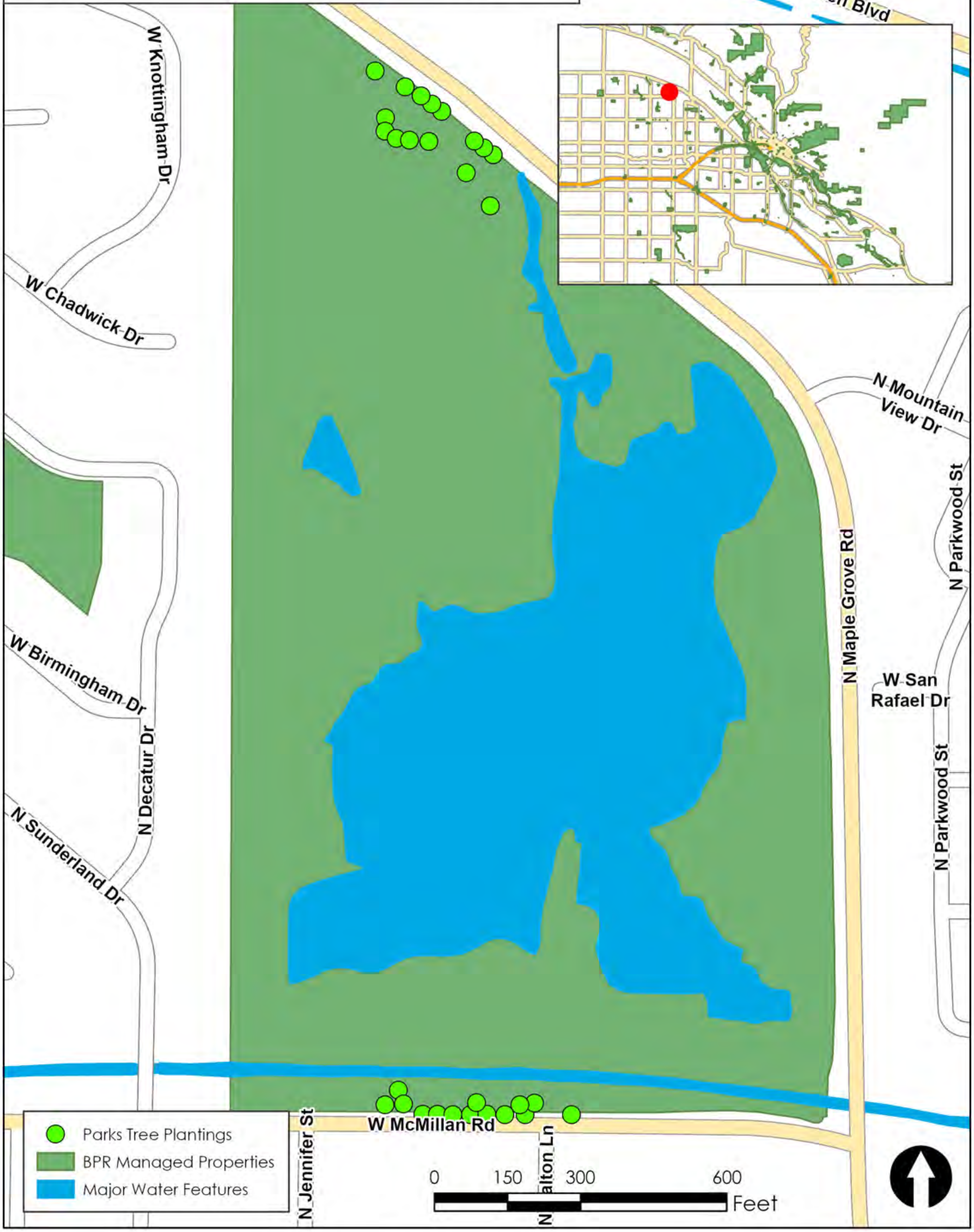
Franklin Park



Harrison Hollow Trailhead

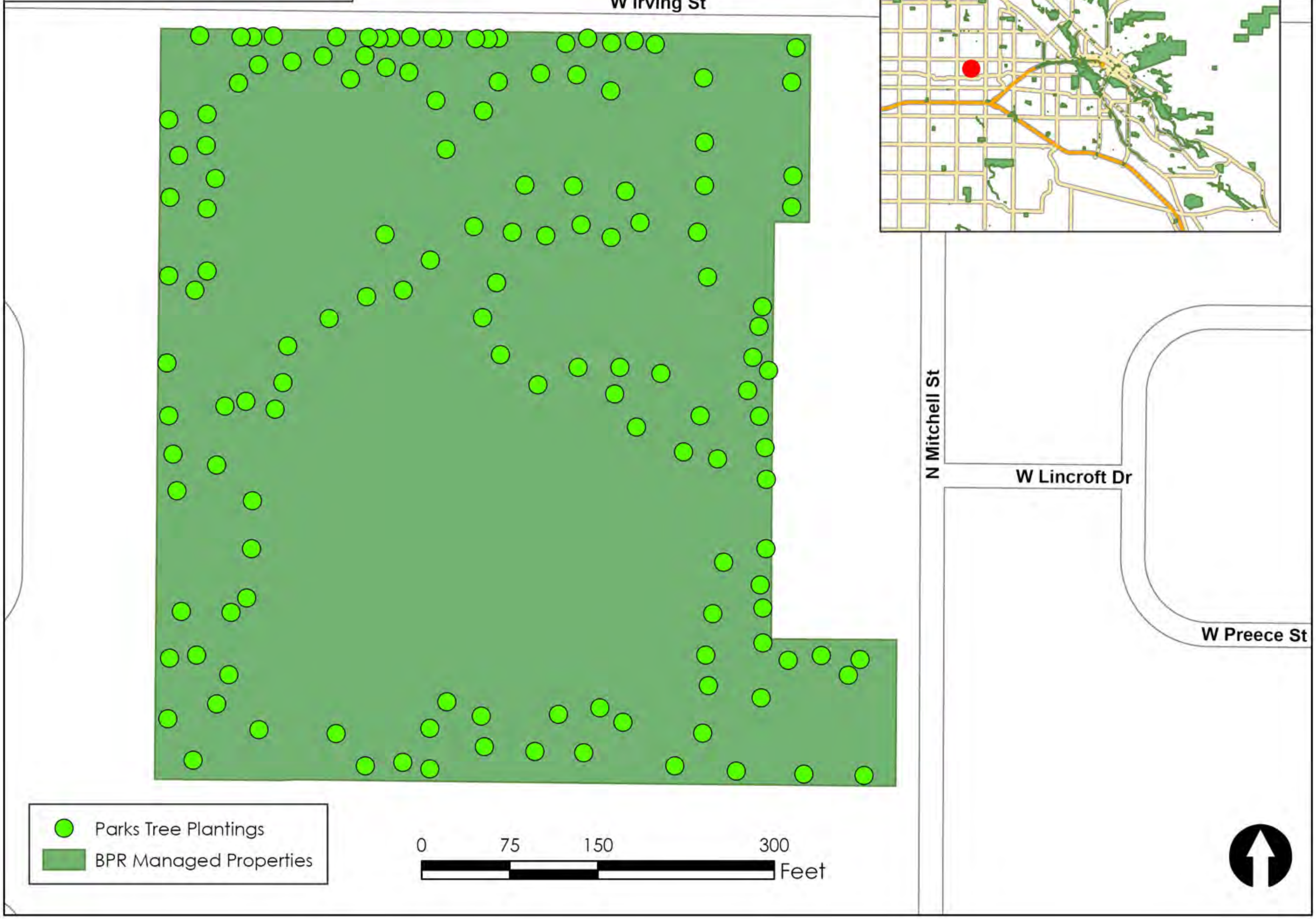


Hyatt Hidden Lakes Reserve

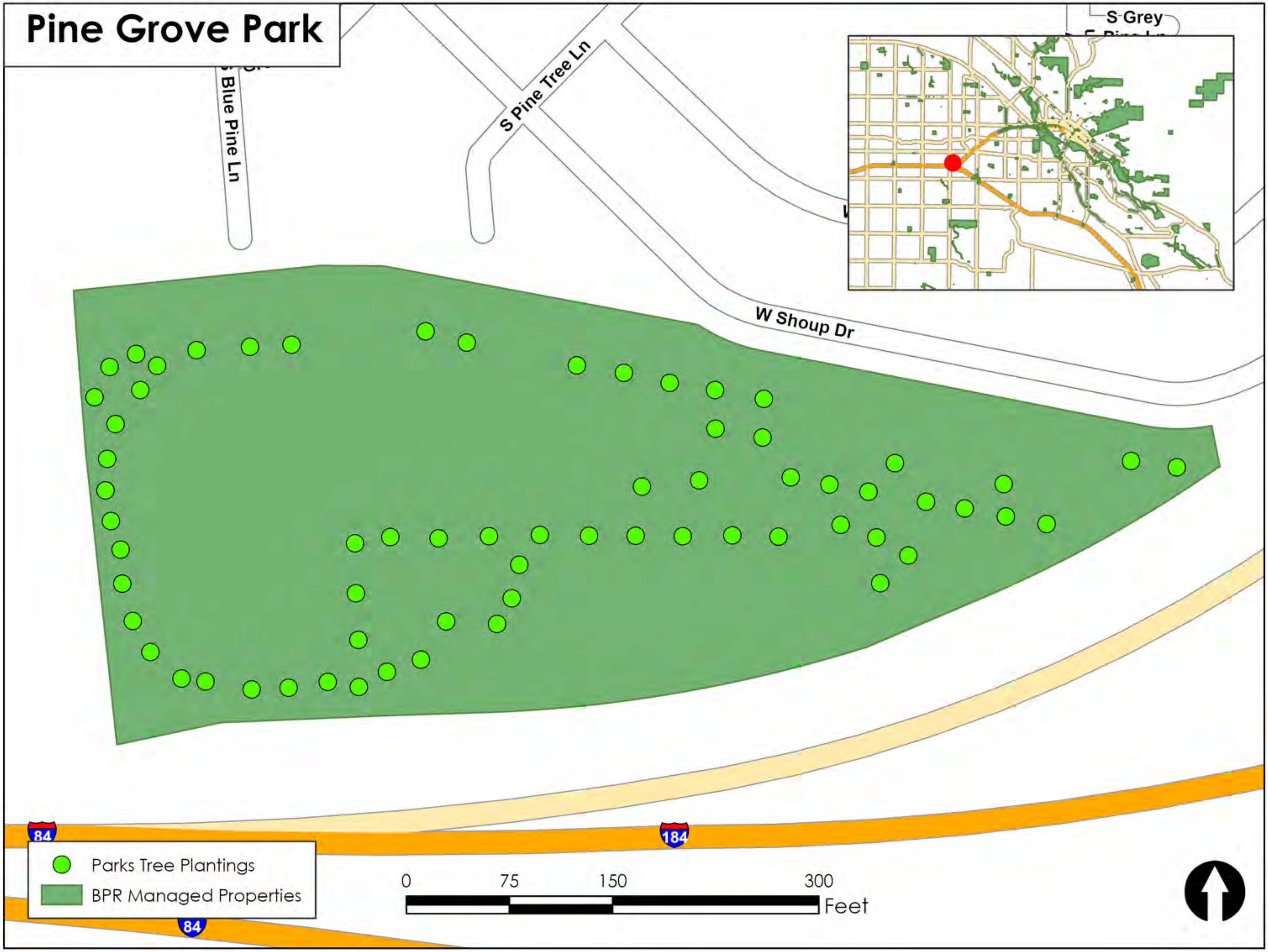


Magnolia Park

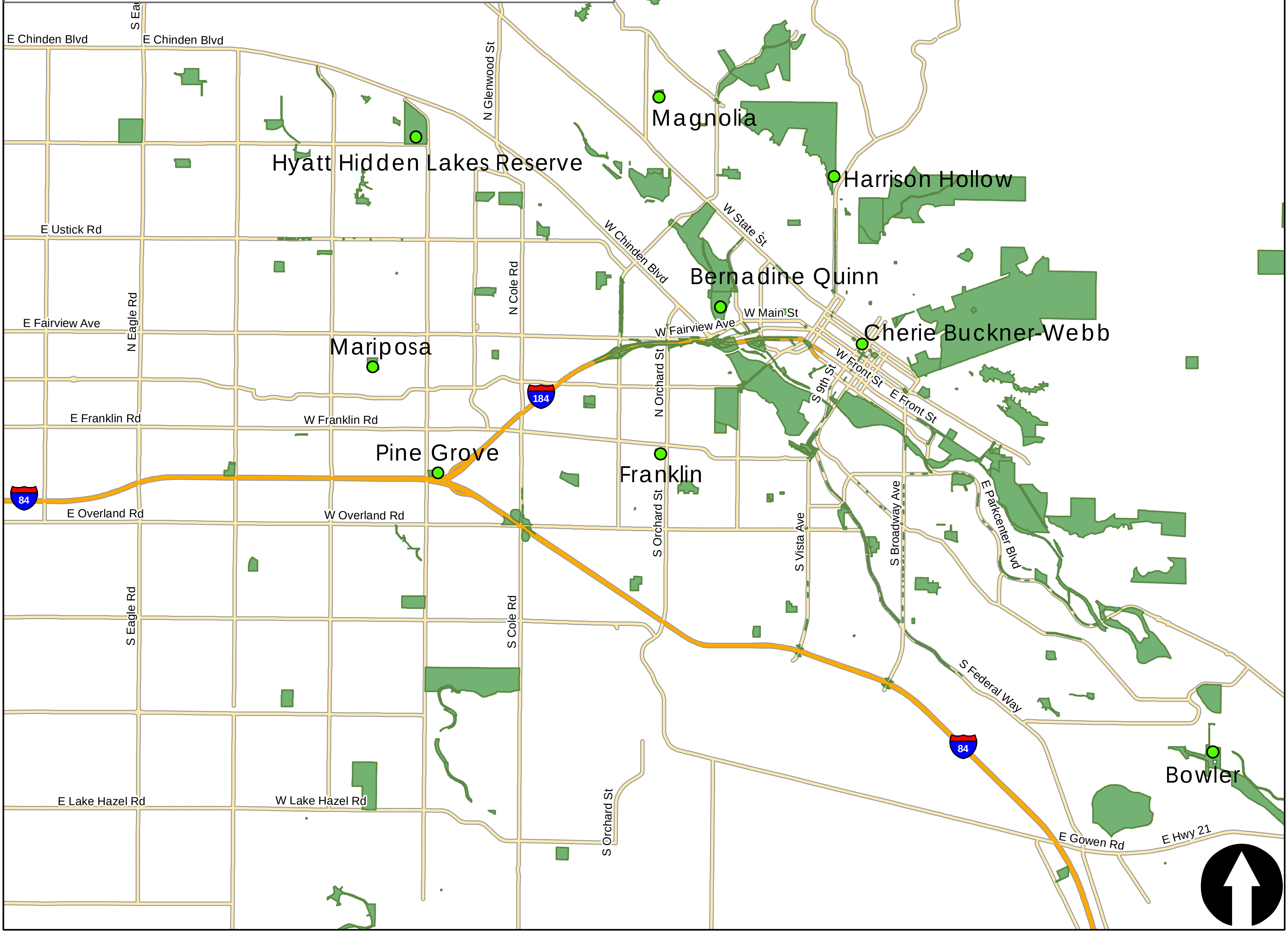
Mariposa Park



Pine Grove Park



City of Boise Tree Credit Transfer Program



The Single Tree Initial Credit Tool for the Temperate Interior West Climate Zone

The analyst can use this method to forecast the amount of CO2 (in metric tonnes, t) estimated to be stored by live project trees after 25 years for crediting. Credits based on the estimated CO2 storage can be issued at three points in time – 10% within one year after planting, 40% after year 3, and 30% after year 5, minus 5% that will go into a program-wide pool to insure against catastrophic loss of trees. At the end of the project, in year 25, Operators will receive credits for all CO2 stored, minus Credits already issued.

Project Operators will follow the Steps listed below to obtain an initial forecast. Basic tree planting data on all trees planted needs to be collected at the time of planting. When a user wishes to seek Credits at one of the first points in time after planting, they will use this tool to calculate credit amounts and to supply verification data to the Registry. Users will submit this spreadsheet to the Registry with other documentation so the Registry can verify the planting. Sampled data will be used to obtain Credits at subsequent points in time.

Steps

1) Plant project trees and collect the following data on each planted tree using the data collection table included in this workbook: species, site id#, tree id# and location (latitude and longitude). We use the term "site" instead of "tree" because some planted trees may no longer be present in the sites where they were planted.

2) Compile data on the numbers of trees planted by species to fill in the Planting List (Table 1).

3) Enter data on the anticipted mortality rate (% of planted sites without trees in 25 years) into row 6 on the Credits sheet.

4) Credits will be automatically calculated in Table 6, incorporating tree losses and the 5% buffer pool deduction.

5) Table 4 automatically infers the amount of CO_2 stored after 25 years from the sample to the population of live trees.

6) For planning purposes only, users can enter a low and high price of CO_2 ($ per t) in Table 5. Table 6 incorporates error estimates of ±15% to calculate low and high amounts of CO_2 stored.

7) Table 7 automatically provides estimates of co-benefits for live trees after 25 years in Resource Units (e.g., kWh) per year and $ per year.

This copy assigned to TREASURE VALLEY CANOPY NETWORK. Proprietary and confidential CFC information. Do not forward to third parties without CFC permission.

Directions
1) In Table 1 record the number of sites planted for each tree species.
2) If species are not listed, add them to the bottom of Table 1.

Table 1. Planting List

Scientific Name	Common Name	Tree-Type Abbreviation	No. Sites Planted	
Tilia americana	American basswood	BDL		
Tilia americana	American basswood	BDL		
Castanea dentata	American chestnut	BDL		
Ulmus americana	American elm	BDL		
Ulmus americana	American elm	BDL		
Ilex opaca	American holly	BES		
Carpinus caroliniana	American hornbeam	BDM	1	
Sorbus americana	American mountain ash	BDS		
Cotinus obovatus	American smoketree	BDS		
Platanus occidentalis	American sycamore	BDL		
Phellodendron amurense	Amur corktree	BDM		
Maackia amurensis	Amur maackia	BDM		
Acer ginnala	Amur maple	BDS		
Prunus armeniaca	apricot	BDS		
Fraxinus species	ash	BDL		
Cedrus atlantica	Atlas cedar	CEL		
Pinus nigra	Austrian pine	CEL	32	
Taxodium distichum	bald cypress	BDL		
Taxodium distichum	bald cypress	BDL		
Populus balsamifera	balsam poplar	BDL		
Rosa banksiae	banksian rose; Lady Bank's rose	BDS		
Tilia species	basswood	BDL		
Fagus species	beech	BDL		
Populus grandidentata	bigtooth aspen	BDL		
Acer grandidentatum	bigtooth maple	BDM		
Betula species	birch	BDM		
Fraxinus nigra	black ash	BDL		
Populus trichocarpa	black cottonwood	BDL		
Robinia pseudoacacia	black locust	BDL		
Robinia pseudoacacia	black locust	BDL		
Acer nigrum	black maple	BDL		
Quercus velutina	black oak	BDL		
Quercus velutina	black oak	BDL		
Populus nigra	black poplar	BDL		
Picea mariana	black spruce	CEL	3	For black hills-densata spruce
Juglans nigra	black walnut	BDL		
Salix nigra	black willow	BDM		
Salix nigra	black willow	BDM		
Viburnum prunifolium	blackhaw	BDS		
Quercus marilandica	blackjack oak	BDM		
Prunus blireiana	Blierana plum	BDS		
Fraxinus quadrangulata	blue ash	BDL		
Picea pungens	blue spruce	CEL	28	
Acer negundo	boxelder	BDL		
Broadleaf Deciduous Large Other	broadleaf deciduous large	BDL		
Broadleaf Deciduous Medium Other	broadleaf deciduous medium	BDM		
Broadleaf Deciduous Small Other	broadleaf deciduous small	BDS		
Rhamnus species	buckthorn	BDS		
Quercus macrocarpa	bur oak	BDL	2	
Quercus macrocarpa	bur oak	BDL		
Sabal palmetto	cabbage palmetto	PEM		
Quercus kelloggii	California black oak	BDL		
Washingtonia filifera	California palm	PES		
Pyrus calleryana	Callery pear	BDM	2	
Populus x canadensis	Carolina poplar	BDL		
Gleditsia caspica	Caspian locust	BDM		
Fraxinus oxycarpa	Caucasian ash	BDM		
Cedrus species	cedar	CEL		
Vitex agnus-castus	chaste tree	BDS		
Prunus cerasifera	cherry plum	BDS		
Ulmus parvifolia	Chinese elm	BDL		
Ulmus parvifolia	Chinese elm	BDL		
Picea asperata	Chinese spruce	CEL		
Quercus muehlenbergii	chinkapin oak	BDL		
Quercus muehlenbergii	chinkapin oak	BDL		
Prunus virginiana	common chokecherry	BDS	30	For common chokecherry and common-canada red chokecherry
Ptelea trifoliata	common hoptree	BDS		
Pyrus communis	common pear	BDM		
Diospyros virginiana	common persimmon	BDM		
Conifer Evergreen Large Other	conifer evergreen large other	CEL		
Conifer Evergreen Medium Other	conifer evergreen medium other	CEM		
Conifer Evergreen Small Other	conifer evergreen small other	CES		
Salix matsudana	corkscrew willow	BDS		
Salix matsudana	corkscrew willow	BDS		
Populus species	cottonwood	BDL		
Pinus coulteri	Coulter pine	CEL		
Malus species	crabapple	BDS	54	For crabapply, tschonoskii crabapple, and crabapple-spring snow
Magnolia acuminata	cucumber tree	BDL		
Cupressus species	cypress	CEL		
Cedrus deodara	deodar cedar	CEL		
Cornus species	dogwood	BDS		
Pseudotsuga menziesii	Douglas fir	CEL		
Amelanchier arborea	downy serviceberry	BDM	3	For serviceberry
Populus deltoides	eastern cottonwood	BDL		
Tsuga canadensis	eastern hemlock	CEL		
Tsuga canadensis	eastern hemlock	CEL		
Juniperus virginiana	eastern red cedar	CEM		
Cercis canadensis	eastern redbud	BDS	1	
Pinus strobus	eastern white pine	CEL		
Ulmus species	elm	BDL	2	For elm-prospector
Ulmus species	elm	BDL		
Picea engelmannii	Engelmann spruce	CEL		
Ulmus procera	English elm	BDL		
Quercus robur	English oak	BDL		

Table 2. Summary of Planting Sites

Tree-Type	Tree-Type Abbreviation	No. Sites Planted
Brdlf Decid Large (>50 ft)	**BDL**	184
Brdlf Decid Med (30-50 ft)	**BDM**	59
Brdlf Decid Small (<30 ft)	**BDS**	90
Brdlf Evgrn Large (>50 ft)	**BEL**	0
Brdlf Evgrn Med (30-50 ft)	**BEM**	0
Brdlf Evgrn Small (<30 ft)	**BES**	0
Conif Evgrn Large (>50 ft)	**CEL**	105
Conif Evgrn Med (30-50 ft)	**CEM**	16
Conif Evgrn Small (<30 ft)	**CES**	0
	Total Sites Planted	454

Quercus robur	English oak	BDL		
Juglans regia	English walnut	BDL		
Alnus glutinosa	European alder	BDL		
Fraxinus excelsior	European ash	BDL		
Fagus sylvatica	European beech	BDL		
Carpinus betulus	European hornbeam	BDM	6	
Larix decidua	European larch	BDL		
Sorbus aucuparia	European mountain ash	BDM		
Sorbus aucuparia	European mountain ash	BDM		
Betula pendula	European white birch	BDM		
Abies species	fir	CEL		
Torreya taxifolia	Florida torreya	CES		
Fraxinus ornus	flowering ash	BDM		
Cornus florida	flowering dogwood	BDS		
Prunus triloba	flowering plum	BDS		
Sequoiadendron giganteum	giant sequoia	CEL	10	For dawn redwood
Ginkgo biloba	ginkgo	BDL		
Laburnum x watereri	golden chain tree	BDS		
Koelreuteria paniculata	goldenrain tree	BDM		
Fraxinus pennsylvanica	green ash	BDL		
Crataegus viridis	green hawthorn	BDM		
Eucommia ulmoides	hardy rubber tree	BDL		
Crataegus species	hawthorn	BDS	5	For crusader-cruzam hawthorn and suksdorf's hawthorn
Corylus species	hazelnut	BDS		
Acer campestre	hedge maple	BDM		
Carya species	hickory	BDL		
Pinus wallichiana	Himalayan pine	CEM		
Gleditsia triacanthos	honeylocust	BDL	54	For honeylocust and shademaster honeylocust
Aesculus hippocastanum	horsechestnut	BDL		
Alnus cordata	Italian alder	BDM		
Abies homolepis	Japanese fir	CEL		
Sophora japonica	Japanese pagoda tree	BDM	9	
Sophora japonica	Japanese pagoda tree	BDM		
Styrax japonicus	Japanese snowbell	BDS		
Syringa reticulata	Japanese tree lilac	BDM		
Syringa reticulata	Japanese tree lilac	BDS		
Zelkova serrata	Japanese zelkova	BDL		
Juniperus species	juniper	CEM		
Cercidiphyllum japonicum	katsura tree	BDM		
Gymnocladus dioicus	Kentucky coffeetree	BDL	4	
Pinus attenuata	knobcone pine	CEL		
Quercus glandulifera	Konara oak	BDM		
Pyrus fauriei	Korean sun pear	BDS		
Prunus serrulata	Kwanzan cherry	BDS		
Quercus laurifolia	laurel oak	BDL		
x Cupressocyparis leylandii	Leyland cypress	CEL		
Syringa species	lilac	BDS		
Pterostyrax corymbosa	little Epaulette tree	BDS		
Tilia cordata	littleleaf linden	BDM	35	For american linden, american-redmond linden, littleleaf linden, and littleleaf-greenspire linden
Tilia cordata	littleleaf linden	BDM		
Quercus virginiana	live oak	BDL		
Quercus virginiana	live oak	BEL		
Platanus acerifolia	London planetree	BDL	10	For london planetree and london-bloodgood planetree
Magnolia species	magnolia	BDM		
Fraxinus mandshurica	Manchurian ash	BDL		
Abies holophylla	Manchurian fir	CEL		
Acer species	maple	BDL	21	For maple, crimson sunset maple, and pacific sunset maple
Washingtonia robusta	Mexican fan palm	PEM		
Albizia julibrissin	mimosa	BDM		
Catalpa speciosa	northern catalpa	BDL		
Celtis occidentalis	northern hackberry	BDL	3	For hackberry
Quercus rubra	northern red oak	BDL		
Quercus rubra	northern red oak	BDL	21	
Thuja occidentalis	northern white cedar	CEL		
Thuja occidentalis	northern white cedar	CEL		
Acer platanoides	Norway maple	BDM	3	For Norway-crimson king maple and norwegian sunset maple
Picea abies	Norway spruce	CEL	3	
Quercus species	oak	BDL		
Aesculus glabra	Ohio buckeye	BDL		
Crataegus monogyna	oneseed hawthorn	BDS		
Picea orientalis	Oriental spruce	CEL		
Quercus aliena	Oriental white oak	BDL		
Other species	other species	BDM		
Betula papyrifera	paper birch	BDL		
Acer griseum	paperbark maple	BDS		
Malus pumila	paradise apple	BDM		
Prunus persica	peach	BDS		
Quercus palustris	pin oak	BDL		
Quercus palustris	pin oak	BDL		
Pinus species	pine	CEL	5	For bosnian pine and limber pine
Pinus edulis	pinyon pine	CES		
Prunus species	plum	BDS		
Pinus serotina	pond pine	CEL		
Pinus ponderosa	ponderosa pine	CEL		
Quercus stellata	post oak	BDL		
Malus ioensis	prairie crabapple	BDS		
Acer truncatum	purpleblow maple	BDS		
Populus tremuloides	quaking aspen	BDL		
Acer rubrum	red maple	BDL	2	
Morus rubra	red mulberry	BDL		
Betula nigra	river birch	BDL	13	For heritage river-cully birch clump
Juniperus scopulorum	Rocky Mountain juniper	CEM		
Salix gracilistyla	rosegold pussy willow	BDS		
Elaeagnus angustifolia	Russian olive	BDS		
Prunus sargentii	Sargent cherry	BDM		
Sassafras albidum	sassafras	BDL		
Serenoa repens	saw palmetto	PES		
Quercus acutissima	sawtooth oak	BDM		
Quercus coccinea	scarlet oak	BDL		
Pinus sylvestris	Scotch pine	CEM	13	
Picea omorika	Serbian spruce	CEM		
Quercus shumardii	Shumard oak	BDL		
Ulmus pumila	Siberian elm	BDL		
Ulmus pumila	Siberian elm	BDL		
Abies alba	silver fir	CEL		

Tilia tomentosa	silver linden	BDM		
Acer saccharinum	silver maple	BDL		
Ulmus rubra	slippery elm	BDL		
Cotinus coggygria	smoke tree	BDS		
Crataegus laevigata	smooth hawthorn	BDS		
Catalpa bignonioides	southern catalpa	BDM		
Quercus falcata	southern red oak	BDL		
Picea species	spruce	CEL	1	
Pinus glabra	spruce pine	CEL		
Rhus typhina	staghorn sumac	BDS		
Acer saccharum	sugar maple	BDL	3	
Rhus species	sumac	BDS		
Rhus species	sumac	BDS		
Quercus michauxii	swamp chestnut oak	BDL		
Quercus bicolor	swamp white oak	BDL	5	
Pinus mugo	sweet mountain pine	CES		
Liquidambar styraciflua	sweetgum	BDL	7	
Pinus cembra	Swiss stone pine	CEL		
Acer pseudoplatanus	sycamore maple	BDL		
Sapium sebiferum	tallowtree	BDM		
Ailanthus altissima	tree of heaven	BDM		
Liriodendron tulipifera	tulip tree	BDL	24	
Nyssa sylvatica	Tupelo tree	BDM		
Corylus colurna	Turkish hazelnut	BDL		
Sciadopitys verticillata	umbrella pine	CEM		
Shrub	unknown shrub	BDS		
Unknown	unknown tree	BDM		
Viburnum species	viburnum	BDS		
Crataegus phaenopyrum	Washington hawthorn	BDM		
Quercus nigra	water oak	BEL		
Thuja plicata	western red cedar	CEL		
Thuja plicata	western red cedar	CEL		
Pinus monticola	western white pine	CEL		
Fraxinus americana	white ash	BDL	5	For white ash and white-autumn purple ash
Abies concolor	white fir	CEL		
Morus alba	white mulberry	BDM		
Quercus alba	white oak	BDL		
Populus alba	white poplar	BDL		
Picea glauca	white spruce	CEL	23	
Salix species	willow	BDL	8	For willow, weeping willow, and weeping or peking-pendula willow
Salix species	willow	BDL		
Quercus phellos	willow oak	BDL		
Quercus phellos	willow oak	BDL		
Ulmus alata	winged elm	BDL		
Salix x pendulina Wenderoth	Wisconsin weeping willow	BDL		
Ulmus glabra	Wych elm	BDL		
Cladrastis lutea	yellowwood	BDM		
Yucca species	yucca	PES		
Pinus flexilis 'Vanderwolf's'	Vanderwolf Pine	CEM	3	For Limber-Vanderwolfs Pyramid Pine

Directions

Using the information you provide and background data, the tool calculates the amount of Credits that could be issued at years 1 (10%), 3 (40%), and 5 (30%) after planting. A mortality deductions (% loss) is applied to account for anticipated tree losses (Cell D6). A 5% buffer pool deduction is applied that will go into a program-wide pool to insure against catastrophic loss of trees. This tool is used to determine credits issued after planting (Intial Crediting). A different tool is used for credit issuance in Years 4 and 6. The tool in those years requires calculation of a sample and collection of data on tree status in the sample sites.

Mortality Deduction (%):	10%

Table 3. Credits are based on 10%, 40%, and 30% at Years 1, 3, and 5 after planting, respectively, of the projected CO_2 stored by live trees 25-years after planting. These values account for anticipated tree losses and the 5% buffer pool deduction.

						10%	40%	30%	20%
	No. Sites Planted	**No. Live Trees**	**Mortality Deduction (%)**	**25-yr CO_2 stored (kg/tree)**	**Tot. 25-yr CO_2 stored w/ losses and 5% deduction (t)**	**10% CO_2 (t)**	**40% CO_2 (t)**	**30% CO_2 (t)**	**20% CO_2 (t)**
BDL	184	166	0.10	2,587.18	407.0	40.70	162.81	122.10	81.40
BDM	59	53	0.10	1,224.19	61.8	6.18	24.70	18.53	12.35
BDS	90	81	0.10	658.91	50.7	5.07	20.28	15.21	10.14
BEL	0	0	0.10	0.00	0.0	0.00	0.00	0.00	0.00
BEM	0	0	0.10	0.00	0.0	0.00	0.00	0.00	0.00
BES	0	0	0.10	0.00	0.0	0.00	0.00	0.00	0.00
CEL	105	95	0.10	472.49	42.4	4.24	16.97	12.73	8.48
CEM	16	14	0.10	421.75	5.8	0.58	2.31	1.73	1.15
CES	0	0	0.10	0.00	0.0	0.00	0.00	0.00	0.00
	454	409	0.10		567.7	56.77	227.06	170.30	113.53

In Table 4 the tool infers the amount of CO_2 stored after 25 years from the sample to the population of live trees. Values in column H account for anticipated tree losses and the 5% buffer pool deduction.

Table 4. Grand Total CO_2 Stored after 25 years (all live trees, includes tree losses and buffer pool deduction)

Tree-Type	No. Sites Planted	Mortality Deduction (%)	Total Live Trees After Mortality	25-yr CO_2 stored (kg/tree)	CO_2 Tot. - No Deductions (t)	Grand Total CO_2 w/ Deductions (t)
Brdlf Decid Large (>50 ft)	184	0.10	166	2,587.18	476.0	407.0
Brdlf Decid Med (30-50 ft)	59	0.10	53	1,224.19	72.2	61.8
Brdlf Decid Small (<30 ft)	90	0.10	81	658.91	59.3	50.7
Brdlf Evgrn Large (>50 ft)	0	0.10	0	0.00	0.0	0.0
Brdlf Evgrn Med (30-50 ft)	0	0.10	0	0.00	0.0	0.0
Brdlf Evgrn Small (<30 ft)	0	0.10	0	0.00	0.0	0.0
Conif Evgrn Large (>50 ft)	105	0.10	95	472.49	49.6	42.4
Conif Evgrn Med (30-50 ft)	16	0.10	14	421.75	6.7	5.8
Conif Evgrn Small (<30 ft)	0	0.10	0	0.00	0.0	0.0
	454		409		663.9	567.7

Directions
In Table 5, enter the low and high price of CO_2 in $ per tonne (t).

This table incorporates error estimates of ±15% to the high and low estimates of the total CO_2 (t) stored by the live tree population after 25 years. For planning purposes only, it calculates dollar values.

Table 5. CO_2 value

	CO_2 $ per tonne
Low	$19.00
High	$34.00

Table 6. Summary of CO_2 stored after 25 years (all live trees, includes tree losses)

Tree-Type	**Total CO_2 (t) at 25 years**	**Low $ value**	**High $ value**
Brdlf Decid	519.5	$9,870.00	$17,662.10
Brdlf Evgrn	0.0	$0.00	$0.00
Conif Evgrn	48.2	$915.56	$1,638.37
Total	567.7	$10,785.55	$19,300.47
	CO_2 (t)	**Total $**	**Total $**
Grand Total CO_2 (t) at 25 years:	567.7	$10,785.55	$19,300.47
High Est. with Error:	652.8	$12,403.39	$22,195.54
Low Est. with Error:	482.5	$9,167.72	$9,167.72
± 15% error = ± 10% formulaic ± 3% sampling ± 2% measurement			

Using the information you provide and background data, the tool provides estimates of co-benefits after 25 years in Resource Units per year and $ per year.

Table 7. Co-Benefits PER YEAR after 25 years (all live trees, includes tree losses)

Ecosystem Services	Resource Units Totals	Resource Unit/site	Total $	$/site
Rainfall Interception (m3/yr)	2,523.31	5.56	$5,199.38	$11.452
CO_2 Avoided (t, $20/t/yr)	2.43	0.01	$48.57	$0.107
Air Quality (t/yr)				
O3	0.1172	0.0003	$1,293.28	$2.849
NOx	0.0126	0.0000	$353.95	$0.780
PM10	0.0500	0.0001	$1,037.52	$2.285
Net VOCs	-0.1198	-0.0003	-$1,239.13	-$2.729
Air Quality Total	0.0600	0.0001	$1,445.61	$3.18
Energy (kWh/yr & kBtu/yr)				
Cooling - Electricity	84,571.85	186.28	$9,861.08	$21.72
Heating - Natural Gas	390,109.87	859.27	$4,854.67	$10.69
Energy Total ($/yr)			$14,715.75	$32.41
Grand Total ($/yr)			$21,409.31	$47.16

$535,232.87

OBJECTID	Park	Department ID	Installation Date	Status	Park Number	Street	Tree Cell	Tree Condition	Tree Diameter	Tree District	Tree Site Ty	Comment	Count	Common Name	Genus	Species	Pruning Code	Last Verified	Verified By	Pruned Verify Date	Latitude	Longitude
359	Mariposa Park	MARI-TR-P-83025	2018-10-16	Active		Mariposa Park		Good	3	3	Park	ma - added to planting list	1	Ash, White	FRAXINUS	AMERICANA		2021-05-24 17:26	Cbranning		43.61516831	-116.3049476
178	Magnolia Park	MAGN-TR-P-82272	2016-10-15	Active		MAGNOLIA		Good	2	2	Park		1	Ash, White-Autumn Purple	FRAXINUS	AMERICANA		2021-03-12 19:57	Cbranning		43.68164479	-116.2933244
230	Magnolia Park	MAGN-TR-P-82326	2016-10-15	Active		MAGNOLIA		Good	4	2	Park		1	Ash, White-Autumn Purple	FRAXINUS	AMERICANA		2021-03-15 17:01	Cbranning		43.68204483	-116.2926898
264	Magnolia Park	MAGN-TR-P-82360	2016-10-15	Active		MAGNOLIA		Good	3	2	Park		1	Ash, White-Autumn Purple	FRAXINUS	AMERICANA		2021-03-15 17:16	Cbranning		43.68207197	-116.2920738
265	Magnolia Park	MAGN-TR-P-82361	2016-10-15	Active		MAGNOLIA		Good	2	2	Park		1	Ash, White-Autumn Purple	FRAXINUS	AMERICANA		2021-03-15 17:16	Cbranning		43.68194958	-116.2920325
144	Bernardine Quinn Riverside Park	BEQU-TR-P-82146	2020-07-01	Active		Bernardine Quinn Riverside		Good	4	4		10 ft clump	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2020-11-05	ssirotnak		43.62257971	-116.2329662
145	Bernardine Quinn Riverside Park	BEQU-TR-P-82147	2020-07-01	Active		Bernardine Quinn Riverside		Good	4	4		10 ft clump	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2020-11-05	ssirotnak		43.62260194	-116.2331139
146	Bernardine Quinn Riverside Park	BEQU-TR-P-82148	2020-07-01	Active		Bernardine Quinn Riverside		Good	4	4		10 ft clump	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2020-11-05	ssirotnak		43.62263572	-116.2332341
147	Bernardine Quinn Riverside Park	BEQU-TR-P-82149	2020-07-01	Active		Bernardine Quinn Riverside		Good	4	4		10 ft clump	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2020-11-05	ssirotnak		43.62267949	-116.2333583
148	Bernardine Quinn Riverside Park	BEQU-TR-P-82150	2020-07-01	Active		Bernardine Quinn Riverside		Good	4	4		10 ft clump	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2020-11-05	ssirotnak		43.62271899	-116.2334767
149	Bernardine Quinn Riverside Park	BEQU-TR-P-82151	2020-07-01	Active		Bernardine Quinn Riverside		Good	4	4		10 ft clump	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2020-11-05	ssirotnak		43.62288683	-116.233653
204	Magnolia Park	MAGN-TR-P-82298	2016-10-15	Active		MAGNOLIA		Good	3	2	Unknown		1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2021-03-12 19:34	Cbranning		43.68102426	-116.2921269
207	Magnolia Park	MAGN-TR-P-82301	2016-10-15	Active		MAGNOLIA		Good	1	2	Unknown		1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2021-03-12 19:34	Cbranning		43.68106994	-116.2920095
419	Mariposa Park	MARI-TR-P-83116	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2021-05-28 18:40	Cbranning		43.61403286	-116.3065886
420	Mariposa Park	MARI-TR-P-83117	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2021-05-28 18:40	Cbranning		43.61412958	-116.3066716
439	Mariposa Park	MARI-TR-P-83136	2018-10-16	Active		Mariposa Park		Good	3	3	Park	ma - added to planting list	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2021-05-28 19:12	Cbranning		43.61532046	-116.3065562
441	Mariposa Park	MARI-TR-P-83138	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2021-05-28 19:12	Cbranning		43.61546777	-116.3065603
442	Mariposa Park	MARI-TR-P-83139	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Birch Clump, Heritage River-Cully	BETULA	NIGRA		2021-05-28 19:12	Cbranning		43.61544369	-116.3066481
19	Franklin Park	FRAN-TR-P-80137	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Chokecherry, Common	PRUNUS	VIRGINIANA		2018-10-03	mperkins		43.60151451	-116.245842
20	Franklin Park	FRAN-TR-P-80138	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Chokecherry, Common	PRUNUS	VIRGINIANA		2018-10-03	mperkins		43.60125322	-116.2458538
22	Franklin Park	FRAN-TR-P-80139	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Chokecherry, Common	PRUNUS	VIRGINIANA		2018-10-03	mperkins		43.60121003	-116.2456627
29	Franklin Park	FRAN-TR-P-80146	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Chokecherry, Common	PRUNUS	VIRGINIANA		2018-10-03	mperkins		43.60117536	-116.2444629
30	Franklin Park	FRAN-TR-P-80147	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Chokecherry, Common	PRUNUS	VIRGINIANA		2018-10-03	mperkins		43.60161132	-116.2443817
32	Franklin Park	FRAN-TR-P-80149	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Chokecherry, Common	PRUNUS	VIRGINIANA		2018-10-03	mperkins		43.60167399	-116.2443632
505	Bowler	BOWL-TR-P-83608	2021-06-09	Active		Bowler Park		Good	2	7	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-10-13 16:58	Cbranning		43.55587775	-116.127848
506	Bowler	BOWL-TR-P-83619	2021-06-09	Active		Bowler Park		Good	2	7	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-10-13 16:42	Cbranning		43.55619128	-116.1283323
517	Bowler	BOWL-TR-P-83620	2021-06-09	Active		Bowler Park		Good	2	7	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-10-13 16:42	Cbranning		43.55619794	-116.1282121
518	Bowler	BOWL-TR-P-83621	2021-06-09	Active		Bowler Park		Good	2	7	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-10-13 16:42	Cbranning		43.55616714	-116.1281109
202	Magnolia Park	MAGN-TR-P-82296	2016-10-15	Active		MAGNOLIA		Good	2	2	Unknown		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-03-12 19:34	Cbranning		43.68102797	-116.2923177
203	Magnolia Park	MAGN-TR-P-82297	2016-10-15	Active		MAGNOLIA		Good	2	2	Unknown		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-03-12 19:34	Cbranning		43.68109002	-116.2922569
220	Magnolia Park	MAGN-TR-P-82316	2016-10-15	Active		MAGNOLIA		Good	2	2	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-03-15 16:41	Cbranning		43.68148618	-116.2921202
221	Magnolia Park	MAGN-TR-P-82317	2016-10-15	Active		MAGNOLIA		Good	2	2	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-03-15 16:41	Cbranning		43.6814771	-116.2922341
222	Magnolia Park	MAGN-TR-P-82318	2016-10-15	Active		MAGNOLIA		Good	2	2	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-03-15 16:41	Cbranning		43.6814573	-116.2923536
234	Magnolia Park	MAGN-TR-P-82330	2016-10-15	Active		MAGNOLIA		Good	3	2	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-03-15 17:01	Cbranning		43.68228174	-116.2926316
235	Magnolia Park	MAGN-TR-P-82331	2016-10-15	Active		MAGNOLIA		Good	3	2	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-03-15 17:01	Cbranning		43.68225361	-116.292706
236	Magnolia Park	MAGN-TR-P-82332	2016-10-15	Active		MAGNOLIA		Good	3	2	Park		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-03-15 17:01	Cbranning		43.6823375	-116.2925741
391	Mariposa Park	MARI-TR-P-83057	2018-10-16	Active		Mariposa Park		Good	1	3	Park	ma - added to planting list	1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-05-25 17:34	Cbranning		43.6155759	-116.3058242
427	Mariposa Park	MARI-TR-P-83124	2018-10-16	Active		Mariposa Park		Fair	1	3	Park	ma - added to planting list	1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-05-28 19:12	Cbranning		43.61511665	-116.3060418
428	Mariposa Park	MARI-TR-P-83125	2018-10-16	Active		Mariposa Park		Fair	1	3	Park	ma - added to planting list	1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-05-28 19:12	Cbranning		43.61506535	-116.3061625
436	Mariposa Park	MARI-TR-P-83133	2018-10-16	Active		Mariposa Park		Good	1	3	Park	ma - added to planting list	1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-05-28 19:12	Cbranning		43.61517507	-116.3065552
440	Mariposa Park	MARI-TR-P-83137	2018-10-16	Active		Mariposa Park		Good	1	3	Park	ma - added to planting list	1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2021-05-28 19:12	Cbranning		43.61539007	-116.3065308
78	Pine Grove Park	PIGR-TR-P-82078	2017-11-29	Active		PINE GROVE PARK		Good	1	3	Unknown		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2020-10-29 19:30	Cbranning		43.59840637	-116.2935858
79	Pine Grove Park	PIGR-TR-P-82079	2017-11-29	Active		PINE GROVE PARK		Good	1	3	Unknown		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2020-10-29 19:30	Cbranning		43.59835739	-116.293631
80	Pine Grove Park	PIGR-TR-P-82080	2017-11-29	Active		PINE GROVE PARK		Fair	1	3	Unknown		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2020-10-29 19:30	Cbranning		43.59828875	-116.2936989
92	Pine Grove Park	PIGR-TR-P-82092	2017-11-29	Active		PINE GROVE PARK		Good	1	3	Unknown		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2020-10-29 19:30	Cbranning		43.59777658	-116.2934472
93	Pine Grove Park	PIGR-TR-P-82093	2017-11-29	Active		PINE GROVE PARK		Good	2	3	Unknown		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2020-10-29 19:30	Cbranning		43.59776125	-116.2933207
94	Pine Grove Park	PIGR-TR-P-82094	2017-11-29	Active		PINE GROVE PARK		Good	1	3	Unknown		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2020-10-29 19:30	Cbranning		43.59776519	-116.2932192
97	Pine Grove Park	PIGR-TR-P-82097	2017-11-29	Active		PINE GROVE PARK		Good	2	3	Unknown		1	Chokecherry, Common-Canada Red	PRUNUS	VIRGINIANA		2020-10-29 19:30	Cbranning		43.59782323	-116.2928561
152	Magnolia Park	MAGN-TR-P-82246	2016-10-15	Active		MAGNOLIA		Good	2	2	Strip		1	Crabapple	MALUS	SPECIES		2021-03-12 19:34	Cbranning		43.68167833	-116.2938815
153	Magnolia Park	MAGN-TR-P-82247	2016-10-15	Active		MAGNOLIA		Good	2	2	Strip		1	Crabapple	MALUS	SPECIES		2021-03-12 19:34	Cbranning		43.68160831	-116.2938827
154	Magnolia Park	MAGN-TR-P-82248	2016-10-15	Active		MAGNOLIA		Fair	2	2	Strip		1	Crabapple	MALUS	SPECIES		2021-03-12 19:34	Cbranning		43.68153371	-116.2938851
155	Magnolia Park	MAGN-TR-P-82249	2016-10-15	Active		MAGNOLIA		Good	2	2	Strip		1	Crabapple	MALUS	SPECIES		2021-03-12 19:34	Cbranning		43.6814662	-116.2938846
156	Magnolia Park	MAGN-TR-P-82250	2016-10-15	Active		MAGNOLIA		Good	1	2	Strip		1	Crabapple	MALUS	SPECIES		2021-03-12 19:34	Cbranning		43.68139845	-116.293886
157	Magnolia Park	MAGN-TR-P-82251	2016-10-15	Active		MAGNOLIA		Good	2	2	Strip		1	Crabapple	MALUS	SPECIES		2021-03-12 19:34	Cbranning		43.6813263	-116.2938873
158	Magnolia Park	MAGN-TR-P-82252	2016-10-15	Active		MAGNOLIA		Good	2	2	Strip		1	Crabapple	MALUS	SPECIES		2021-03-12 19:34	Cbranning		43.68124866	-116.2938876
225	Magnolia Park	MAGN-TR-P-82321	2016-10-15	Active		MAGNOLIA		Good	1	2	Park		1	Crabapple	MALUS	SPECIES		2021-03-15 16:41	Cbranning		43.68151103	-116.2926167
239	Magnolia Park	MAGN-TR-P-82335	2016-10-15	Active		MAGNOLIA		Good	1	2	Park		1	Crabapple	MALUS	SPECIES		2021-03-15 17:01	Cbranning		43.6820681	-116.292279
240	Magnolia Park	MAGN-TR-P-82336	2016-10-15	Active		MAGNOLIA		Good	1	2	Park		1	Crabapple	MALUS	SPECIES		2021-03-15 17:01	Cbranning		43.68214574	-116.2922727
272	Magnolia Park	MAGN-TR-P-82368	2016-10-15	Active		MAGNOLIA		Good	1	2	Park		1	Crabapple	MALUS	SPECIES		2021-03-15 17:51	Cbranning		43.68193931	-116.2917831
273	Magnolia Park	MAGN-TR-P-82369	2016-10-15	Active		MAGNOLIA		Good	1	2	Park		1	Crabapple	MALUS	SPECIES		2021-03-15 17:51	Cbranning		43.68199213	-116.2918744
274	Magnolia Park	MAGN-TR-P-82370	2016-10-15	Active		MAGNOLIA		Good	1	2	Park		1	Crabapple	MALUS	SPECIES		2021-03-15 17:51	Cbranning		43.68204988	-116.2918024
275	Magnolia Park	MAGN-TR-P-82371	2016-10-15	Active		MAGNOLIA		Fair	1	2	Park		1	Crabapple	MALUS	SPECIES		2021-03-15 17:51	Cbranning		43.68211682	-116.2917309
333	Mariposa Park	MARI-TR-P-82999	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61400743	-116.3044346
334	Mariposa Park	MARI-TR-P-83000	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61400953	-116.3046273
335	Mariposa Park	MARI-TR-P-83001	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61418705	-116.3047661
336	Mariposa Park	MARI-TR-P-83002	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61401623	-116.3048442
346	Mariposa Park	MARI-TR-P-83012	2018-10-16	Active		Mariposa Park		Good	1	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61481697	-116.3051729
347	Mariposa Park	MARI-TR-P-83013	2018-10-16	Active		Mariposa Park		Good	1	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61489406	-116.3052426
348	Mariposa Park	MARI-TR-P-83014	2018-10-16	Active		Mariposa Park		Good	1	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61495593	-116.3053612
349	Mariposa Park	MARI-TR-P-83015	2018-10-16	Active		Mariposa Park		Good	1	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61491442	-116.3054896
350	Mariposa Park	MARI-TR-P-83016	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61498389	-116.3056109
351	Mariposa Park	MARI-TR-P-83017	2018-10-16	Active		Mariposa Park		Good	1	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61507006	-116.305669
352	Mariposa Park	MARI-TR-P-83018	2018-10-16	Active		Mariposa Park		Good	1	3	Park	ma - added to planting list	1	Crabapple	MALUS	SPECIES		2021-05-24 17:26	Cbranning		43.61515166	-116.3056246
55	Mariposa Park	MARI-TR-P-81258	2020-01-23	Active		Mariposa Park		Good	3	3		ma - added to planting list	1	Crabapple, Tschonoskii	MALUS	TSCHONOSKII		2020-01-23	flambrecht		43.61570507	-116.3046675
500	Bowler	BOWL-TR-P-83603	2021-06-09	Active		Bowler Park		Good	1	7	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-13 16:47	Cbranning		43.55610956	-116.1276087
501	Bowler	BOWL-TR-P-83604	2021-06-09	Active		Bowler Park		Good	1	7	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-13 16:58	Cbranning		43.55604694	-116.1276572
503	Bowler	BOWL-TR-P-83606	2021-06-09	Active		Bowler Park		Good	1	7	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-13 16:58	Cbranning		43.55613759	-116.1278449
452	Cherie Buckner Webb Park	CHBW-TR-P-83555	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61917666	-116.2063119
453	Cherie Buckner Webb Park	CHBW-TR-P-83556	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61915196	-116.2062607
454	Cherie Buckner Webb Park	CHBW-TR-P-83557	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61908058	-116.2061122
455	Cherie Buckner Webb Park	CHBW-TR-P-83558	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61912815	-116.2062082
456	Cherie Buckner Webb Park	CHBW-TR-P-83559	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61910463	-116.2061571
457	Cherie Buckner Webb Park	CHBW-TR-P-83560	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61903332	-116.2060957
458	Cherie Buckner Webb Park	CHBW-TR-P-83561	2021-04-01	Active		Cherie Buckner-Webb Park		Fair	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61903936	-116.206157
459	Cherie Buckner Webb Park	CHBW-TR-P-83562	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61902685	-116.2060386
460	Cherie Buckner Webb Park	CHBW-TR-P-83563	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61908498	-116.2062672
461	Cherie Buckner Webb Park	CHBW-TR-P-83564	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61909148	-116.2063249
462	Cherie Buckner Webb Park	CHBW-TR-P-83565	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61909551	-116.2063871
463	Cherie Buckner Webb Park	CHBW-TR-P-83566	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61907921	-116.2062098
464	Cherie Buckner Webb Park	CHBW-TR-P-83567	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61913637	-116.2063074
467	Cherie Buckner Webb Park	CHBW-TR-P-83570	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61887115	-116.2064427
468	Cherie Buckner Webb Park	CHBW-TR-P-83571	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61886201	-116.2063639
469	Cherie Buckner Webb Park	CHBW-TR-P-83572	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61885683	-116.2062962
470	Cherie Buckner Webb Park	CHBW-TR-P-83573	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.6188523	-116.2062389
471	Cherie Buckner Webb Park	CHBW-TR-P-83574	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61884088	-116.2061429
472	Cherie Buckner Webb Park	CHBW-TR-P-83575	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.61883298	-116.2060849
473	Cherie Buckner Webb Park	CHBW-TR-P-83576	2021-04-01	Active		Cherie Buckner-Webb Park		Good	2	4	Park		1	Crabapple-Spring Snow	MALUS	SPECIES		2021-10-12 16:44	Cbranning		43.6188298	-116.2060289
39	Franklin Park	FRAN-TR-P-80155	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Crabapple-Spring Snow	MALUS	SPECIES		2018-10-03	mperkins		43.60194093	-116.2449397
40	Franklin Park	FRAN-TR-P-80156	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Crabapple-Spring Snow	MALUS	SPECIES		2018-10-03	mperkins		43.60194687	-116.2450443
42	Franklin Park	FRAN-TR-P-80158	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Crabapple-Spring Snow	MALUS	SPECIES		2018-10-03	mperkins		43.60188972	-116.2452526
44	Franklin Park	FRAN-TR-P-80160	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Crabapple-Spring Snow	MALUS	SPECIES		2018-10-03	mperkins		43.60188249	-116.2453454
47	Franklin Park	FRAN-TR-P-80163	2018-06-18	Active		FRANKLIN PARK		Good	2	6			1	Crabapple-Spring Snow	MALUS	SPECIES		2018-10-03	mperkins		43.60189305	-116.2454418
50	Mariposa Park	MARI-TR-P-81253	2020-01-09	Active		Mariposa Park		Good	3	3		ma - added to planting list	1	Elm-Prospector	ULMUS	WILSONIANA		2020-01-09	flambrecht		43.61494246	-116.3050957
53	Mariposa Park	MARI-TR-P-81256	2020-01-09	Active		Mariposa Park		Good	3	3		ma - added to planting list	1	Elm-Prospector	ULMUS	WILSONIANA		2020-01-09	flambrecht		43.61495658	-116.3052275
306	Hillside to Hollow Reserve	HIHO-TR-P-82972	2021-01-11	Active		Hillside to Hollow Reserve		Good	2	2	Park	Harrison Hollow Trailhead	1	Hackberry	CELTIS	OCCIDENTALIS		2021-05-18 19:19	Wlarimore		43.64479709	-116.2089541
307	Hillside to Hollow Reserve	HIHO-TR-P-82973	2021-01-11	Active		Hillside to Hollow Reserve		Good	2	2	Park	Harrison Hollow Trailhead	1	Hackberry	CELTIS	OCCIDENTALIS		2021-05-18 19:19	Wlarimore		43.64470242	-116.2089948
195	Magnolia Park	MAGN-TR-P-82289	2016-10-15	Active		MAGNOLIA		Fair	3	2	Unknown		1	Hackberry	CELTIS	OCCIDENTALIS		2021-03-12 19:34	Cbranning		43.6811115	-116.2932449
114	Bernardine Quinn Riverside Park	BEQU-TR-P-82116	2020-07-01	Active		Bernardine Quinn Riverside		Good	2	4		multi-trunk	1	Hawthorn, Crusader-Cruzam	CRATAEGUS	CRUS-GALLI		2020-11-05	ssirotnak		43.62249783	-116.232057
115	Bernardine Quinn Riverside Park	BEQU-TR-P-82117	2020-07-01	Active		Bernardine Quinn Riverside		Good	2	4		multi-trunk	1	Hawthorn, Crusader-Cruzam	CRATAEGUS	CRUS-GALLI		2020-11-05	ssirotnak		43.62253058	-116.2320828
116	Bernardine Quinn Riverside Park	BEQU-TR-P-82118	2020-07-01	Active		Bernardine Quinn Riverside		Good	2	4		multi-trunk	1	Hawthorn, Crusader-Cruzam	CRATAEGUS	CRUS-GALLI		2020-11-05	ssirotnak		43.62254653	-116.2320278
112	Bernardine Quinn Riverside Park	BEQU-TR-P-82114	2020-07-01	Active		Bernardine Quinn Riverside		Good	2	4		multi-trunk; formerly C. dougl	1	Hawthorn, Suksdorf's	CRATAEGUS	SUKSDORFII		2020-11-05	ssirotnak		43.62219353	-116.2320565
113	Bernardine Quinn Riverside Park	BEQU-TR-P-82115	2020-07-01	Active		Bernardine Quinn Riverside		Good	2	4		multi-trunk; formerly C. dougl	1	Hawthorn, Suksdorf's	CRATAEGUS	SUKSDORFII		2020-11-05	ssirotnak		43.62225525	-116.2319862
277	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82480	2018-07-18	Active		Hyatt Hidden Lakes Reserve		Good	2	3	Park		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-04-07 17:31	Cbranning		43.64869352	-116.2978858
278	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82481	2018-07-18	Active		Hyatt Hidden Lakes Reserve		Good	3	3	Park		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-04-07 17:31	Cbranning		43.64860897	-116.297988
279	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82482	2018-07-18	Active		Hyatt Hidden Lakes Reserve		Good	3	3	Island		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-04-07 17:31	Cbranning		43.6486163	-116.2978442
288	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82491	2018-07-18	Active		Hyatt Hidden Lakes Reserve		Good	2	3	Island		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-04-07 17:31	Cbranning		43.64862455	-116.2968316
289	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82492	2018-07-18	Active		Hyatt Hidden Lakes Reserve		Good	2	3	Island		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-04-07 17:31	Cbranning		43.64861409	-116.2969431
290	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82493	2018-07-18	Active		Hyatt Hidden Lakes Reserve		Good	2	3	Island		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-04-07 17:31	Cbranning		43.64862419	-116.2972804
166	Magnolia Park	MAGN-TR-P-82260	2016-10-15	Active		MAGNOLIA		Good	3	2	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-03-12 19:34	Cbranning		43.6812008	-116.2935816
167	Magnolia Park	MAGN-TR-P-82261	2016-10-15	Active		MAGNOLIA		Good	3	2	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-03-12 19:34	Cbranning		43.68128745	-116.2935827
168	Magnolia Park	MAGN-TR-P-82262	2016-10-15	Active		MAGNOLIA		Good	3	2	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-03-12 19:34	Cbranning		43.68138915	-116.2935883
169	Magnolia Park	MAGN-TR-P-82263	2016-10-15	Active		MAGNOLIA		Good	3	2	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-03-12 19:34	Cbranning		43.68149376	-116.2935825
170	Magnolia Park	MAGN-TR-P-82264	2016-10-15	Active		MAGNOLIA		Good	3	2	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-03-12 19:34	Cbranning		43.68159111	-116.2935805
399	Mariposa Park	MARI-TR-P-83065	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-05-25 17:34	Cbranning		43.61537947	-116.3055365
416	Mariposa Park	MARI-TR-P-83113	2018-10-16	Active		Mariposa Park		Fair	2	3	Park	ma - added to planting list	1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-05-28 18:40	Cbranning		43.61410526	-116.3063787
417	Mariposa Park	MARI-TR-P-83114	2018-10-16	Active		Mariposa Park		Fair	2	3	Park	ma - added to planting list	1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-05-28 18:40	Cbranning		43.61416446	-116.306515
418	Mariposa Park	MARI-TR-P-83115	2018-10-16	Active		Mariposa Park		Good	2	3	Park	ma - added to planting list	1	Honeylocust	GLEDITSIA	TRIACANTHOS		2021-05-28 18:40	Cbranning		43.61423289	-116.3064763
61	Pine Grove Park	PIGR-TR-P-82061	2017-11-29	Active		PINE GROVE PARK		Good	2	3	Island		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:03	Cbranning		43.59818103	-116.2912595
63	Pine Grove Park	PIGR-TR-P-82063	2017-11-29	Active		PINE GROVE PARK		Good	3	3	Island		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:03	Cbranning		43.5982215	-116.2915588
67	Pine Grove Park	PIGR-TR-P-82067	2017-11-29	Active		PINE GROVE PARK		Fair	2	3	Island		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:03	Cbranning		43.59827089	-116.291922
68	Pine Grove Park	PIGR-TR-P-82068	2017-11-29	Active		PINE GROVE PARK		Fair	2	3	Island		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:03	Cbranning		43.59828785	-116.2920522
69	Pine Grove Park	PIGR-TR-P-82069	2017-11-29	Active		PINE GROVE PARK		Good	3	3	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:12	Cbranning		43.59803667	-116.2915199
71	Pine Grove Park	PIGR-TR-P-82071	2017-11-29	Active		PINE GROVE PARK		Good	4	3	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:12	Cbranning		43.59798153	-116.2915973
72	Pine Grove Park	PIGR-TR-P-82072	2017-11-29	Active		PINE GROVE PARK		Good	4	3	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:12	Cbranning		43.59809747	-116.2917059
73	Pine Grove Park	PIGR-TR-P-82073	2017-11-29	Active		PINE GROVE PARK		Good	2	3	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:27	Cbranning		43.59845626	-116.2927362
74	Pine Grove Park	PIGR-TR-P-82074	2017-11-29	Active		PINE GROVE PARK		Good	2	3	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:27	Cbranning		43.59847831	-116.2928487
75	Pine Grove Park	PIGR-TR-P-82075	2017-11-29	Active		PINE GROVE PARK		Good	2	3	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:27	Cbranning		43.59845004	-116.2932166
76	Pine Grove Park	PIGR-TR-P-82076	2017-11-29	Active		PINE GROVE PARK		Good	3	3	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:27	Cbranning		43.59844535	-116.2933309
100	Pine Grove Park	PIGR-TR-P-82100	2017-11-29	Active		PINE GROVE PARK		Good	2	3	Unknown		1	Honeylocust	GLEDITSIA	TRIACANTHOS		2020-10-29 19:51	Cbranning		43.59794672	-116.2926076

120	Bernardine Quinn Riverside Park	BEQU-TR-P-82122	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62197327	-116.232452
121	Bernardine Quinn Riverside Park	BEQU-TR-P-82123	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62209792	-116.2323684
122	Bernardine Quinn Riverside Park	BEQU-TR-P-82124	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62206158	-116.2325156
123	Bernardine Quinn Riverside Park	BEQU-TR-P-82125	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62218487	-116.2324143
124	Bernardine Quinn Riverside Park	BEQU-TR-P-82126	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62214139	-116.2325615
125	Bernardine Quinn Riverside Park	BEQU-TR-P-82127	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62227183	-116.2324603
126	Bernardine Quinn Riverside Park	BEQU-TR-P-82128	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62222835	-116.2326055
127	Bernardine Quinn Riverside Park	BEQU-TR-P-82129	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.6223645	-116.2325043
128	Bernardine Quinn Riverside Park	BEQU-TR-P-82130	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62231814	-116.2326573
129	Bernardine Quinn Riverside Park	BEQU-TR-P-82131	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62244004	-116.2325481
130	Bernardine Quinn Riverside Park	BEQU-TR-P-82132	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2020-11-05	ssirotnak	43.62240941	-116.2326954
491	Bowler	BOWL-TR-P-83594	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:42	Cbranning	43.55664239	-116.1284511
492	Bowler	BOWL-TR-P-83595	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:42	Cbranning	43.55672345	-116.1283483
498	Bowler	BOWL-TR-P-83601	2021-06-09	Active	Bowler Park	Fair	2	7	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:47	Cbranning	43.5564056	-116.127837
504	Bowler	BOWL-TR-P-83607	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:58	Cbranning	43.5559741	-116.1277776
506	Bowler	BOWL-TR-P-83609	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:58	Cbranning	43.55577826	-116.1278626
510	Bowler	BOWL-TR-P-83613	2021-06-09	Active	Bowler Park	Good	2	7	Island		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:42	Cbranning	43.55659042	-116.1282236
515	Bowler	BOWL-TR-P-83618	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:42	Cbranning	43.55622535	-116.12857
519	Bowler	BOWL-TR-P-83622	2021-06-09	Active	Bowler Park	Fair	2	7	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:42	Cbranning	43.55567608	-116.1281643
523	Bowler	BOWL-TR-P-83626	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:42	Cbranning	43.55514362	-116.1281081
529	Bowler	BOWL-TR-P-83632	2021-06-09	Active	Bowler Park	Fair	2	7	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-10-13 16:42	Cbranning	43.55524039	-116.1271528
308	Hillside to Hollow Reserve	HIHO-TR-P-82974	2021-01-11	Active	Hillside to Hollow Reserve	Good	2	2	Park	Harrison Hollow Trailhead	1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-05-18 19:19	Wlarimore	43.64483661	-116.2088394
309	Hillside to Hollow Reserve	HIHO-TR-P-82975	2021-01-11	Active	Hillside to Hollow Reserve	Good	2	2	Park	Harrison Hollow Trailhead	1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-05-18 19:19	Wlarimore	43.64483959	-116.2085909
310	Hillside to Hollow Reserve	HIHO-TR-P-82976	2021-01-11	Active	Hillside to Hollow Reserve	Good	2	2	Park	Harrison Hollow Trailhead	1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-05-18 19:19	Wlarimore	43.64463636	-116.2089072
311	Hillside to Hollow Reserve	HIHO-TR-P-82977	2021-01-11	Active	Hillside to Hollow Reserve	Good	2	2	Park	Harrison Hollow Trailhead	1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-05-18 19:19	Wlarimore	43.64464043	-116.2087423
312	Hillside to Hollow Reserve	HIHO-TR-P-82978	2021-01-11	Active	Hillside to Hollow Reserve	Good	2	2	Park	Harrison Hollow Trailhead	1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-05-18 19:19	Wlarimore	43.64463892	-116.2085588
213	Magnolia Park	MAGN-TR-P-82309	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Honeylocust, Shademaster	GLEDITSIA	TRIACANTHOS	2021-03-15 16:41	Cbranning	43.68122435	-116.291657
49	Mariposa Park	MARI-TR-P-81252	2020-01-08	Active	Mariposa Park	Good	3	3		ma - added to planting list	1	Hophornbeam, American or Eastern	OSTRYA	VIRGINIANA	2020-01-08	flambrecht	43.61427096	-116.3066672
493	Bowler	BOWL-TR-P-83596	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Hornbeam, European	CARPINUS	BETULUS	2021-10-13 16:42	Cbranning	43.55673212	-116.1282404
494	Bowler	BOWL-TR-P-83597	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Hornbeam, European	CARPINUS	BETULUS	2021-10-13 16:47	Cbranning	43.55668196	-116.1281582
495	Bowler	BOWL-TR-P-83598	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Hornbeam, European	CARPINUS	BETULUS	2021-10-13 16:47	Cbranning	43.55660648	-116.1280533
496	Bowler	BOWL-TR-P-83599	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Hornbeam, European	CARPINUS	BETULUS	2021-10-13 16:47	Cbranning	43.55654432	-116.1279869
497	Bowler	BOWL-TR-P-83600	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Hornbeam, European	CARPINUS	BETULUS	2021-10-13 16:47	Cbranning	43.55648385	-116.1279043
502	Bowler	BOWL-TR-P-83605	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Hornbeam, European	CARPINUS	BETULUS	2021-10-13 16:58	Cbranning	43.55611253	-116.1277057
150	Bernardine Quinn Riverside Park	BEQU-TR-P-82152	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Kentucky Coffeetree	GYMNOCLADUS	DIOICUS	2020-11-05	ssirotnak	43.62243372	-116.2333682
151	Bernardine Quinn Riverside Park	BEQU-TR-P-82153	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Kentucky Coffeetree	GYMNOCLADUS	DIOICUS	2020-11-05	ssirotnak	43.62274993	-116.2335929
54	Mariposa Park	MARI-TR-P-81257	2020-01-23	Active	Mariposa Park	Good		3		ma - added to planting list	1	Kentucky Coffeetree	GYMNOCLADUS	DIOICUS	2020-01-23	flambrecht	43.61562404	-116.3046811
394	Mariposa Park	MARI-TR-P-83060	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Kentucky Coffeetree	GYMNOCLADUS	DIOICUS	2021-05-25 17:34	Cbranning	43.61560066	-116.305262
511	Bowler	BOWL-TR-P-83614	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Linden, American	TILIA	AMERICANA	2021-10-13 16:42	Cbranning	43.55644726	-116.1279839
512	Bowler	BOWL-TR-P-83615	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Linden, American	TILIA	AMERICANA	2021-10-13 16:42	Cbranning	43.55636981	-116.1280122
513	Bowler	BOWL-TR-P-83616	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Linden, American	TILIA	AMERICANA	2021-10-13 16:42	Cbranning	43.55637417	-116.1281293
51	Mariposa Park	MARI-TR-P-81254	2020-01-08	Active	Mariposa Park	Good	3	3		ma - added to planting list	1	Linden, American-Redmond	TILIA	AMERICANA	2020-01-08	flambrecht	43.61509976	-116.3047707
52	Mariposa Park	MARI-TR-P-81255	2020-01-08	Active	Mariposa Park	Good	3	3		ma - added to planting list	1	Linden, American-Redmond	TILIA	AMERICANA	2020-01-08	flambrecht	43.61490454	-116.3048162
280	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82483	2018-07-18	Active	Hyatt Hidden Lakes Reserve	Good	2	3	Strip		1	Linden, Littleleaf	TILIA	CORDATA	2021-04-07 17:31	Cbranning	43.64855776	-116.2976957
281	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82484	2018-07-18	Active	Hyatt Hidden Lakes Reserve	Good	3	3	Strip		1	Linden, Littleleaf	TILIA	CORDATA	2021-04-07 17:31	Cbranning	43.64855723	-116.2975822
282	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82485	2018-07-18	Active	Hyatt Hidden Lakes Reserve	Good	2	3	Strip		1	Linden, Littleleaf	TILIA	CORDATA	2021-04-07 17:31	Cbranning	43.64855758	-116.2974626
283	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82486	2018-07-18	Active	Hyatt Hidden Lakes Reserve	Good	3	3	Strip		1	Linden, Littleleaf	TILIA	CORDATA	2021-04-07 17:31	Cbranning	43.64855808	-116.2973268
284	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82487	2018-07-18	Active	Hyatt Hidden Lakes Reserve	Good	3	3	Strip		1	Linden, Littleleaf	TILIA	CORDATA	2021-04-07 17:31	Cbranning	43.64855942	-116.2971986
285	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82488	2018-07-18	Active	Hyatt Hidden Lakes Reserve	Good	3	3	Strip		1	Linden, Littleleaf	TILIA	CORDATA	2021-04-07 17:31	Cbranning	43.64855959	-116.2970594
286	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82489	2018-07-18	Active	Hyatt Hidden Lakes Reserve	Good	3	3	Strip		1	Linden, Littleleaf	TILIA	CORDATA	2021-04-07 17:31	Cbranning	43.64856011	-116.2969042
287	Hyatt Hidden Lakes Reserve	HYHI-TR-P-82490	2018-07-18	Active	Hyatt Hidden Lakes Reserve	Good	2	3	Strip		1	Linden, Littleleaf	TILIA	CORDATA	2021-04-07 17:31	Cbranning	43.64856026	-116.2965445
198	Magnolia Park	MAGN-TR-P-82292	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Linden, Littleleaf	TILIA	CORDATA	2021-03-12 19:34	Cbranning	43.68126177	-116.2934064
224	Magnolia Park	MAGN-TR-P-82320	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Linden, Littleleaf	TILIA	CORDATA	2021-03-15 16:41	Cbranning	43.68142536	-116.2924994
243	Magnolia Park	MAGN-TR-P-82339	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Linden, Littleleaf	TILIA	CORDATA	2021-03-15 17:16	Cbranning	43.68254691	-116.2926686
244	Magnolia Park	MAGN-TR-P-82340	2016-10-15	Active	MAGNOLIA	Good	2	2	Park		1	Linden, Littleleaf	TILIA	CORDATA	2021-03-15 17:16	Cbranning	43.68262952	-116.292567
245	Magnolia Park	MAGN-TR-P-82341	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Linden, Littleleaf	TILIA	CORDATA	2021-03-15 17:16	Cbranning	43.68271247	-116.2926247
248	Magnolia Park	MAGN-TR-P-82344	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Linden, Littleleaf	TILIA	CORDATA	2021-03-15 17:16	Cbranning	43.68270887	-116.2921057
252	Magnolia Park	MAGN-TR-P-82348	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Linden, Littleleaf	TILIA	CORDATA	2021-03-15 17:16	Cbranning	43.68270436	-116.2919127
253	Magnolia Park	MAGN-TR-P-82349	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Linden, Littleleaf	TILIA	CORDATA	2021-03-15 17:16	Cbranning	43.68269785	-116.2917879
262	Magnolia Park	MAGN-TR-P-82358	2016-10-15	Active	MAGNOLIA	Good	2	2	Park		1	Linden, Littleleaf	TILIA	CORDATA	2021-03-15 17:16	Cbranning	43.68233517	-116.2918035
409	Mariposa Park	MARI-TR-P-83106	2018-10-16	Active	Mariposa Park	Fair	2	3	Park	ma - added to planting list	1	Linden, Littleleaf	TILIA	CORDATA	2021-05-28 18:40	Cbranning	43.61413989	-116.3056641
410	Mariposa Park	MARI-TR-P-83107	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Linden, Littleleaf	TILIA	CORDATA	2021-05-28 18:40	Cbranning	43.61417337	-116.3057759
411	Mariposa Park	MARI-TR-P-83108	2018-10-16	Active	Mariposa Park	Fair	2	3	Park	ma - added to planting list	1	Linden, Littleleaf	TILIA	CORDATA	2021-05-28 18:40	Cbranning	43.61411119	-116.30583
58	Pine Grove Park	PIGR-TR-P-82058	2017-11-29	Active	PINE GROVE PARK	Fair	2	3	Unknown		1	Linden, Littleleaf	TILIA	CORDATA	2020-10-29 19:03	Cbranning	43.59810184	-116.2911417
59	Pine Grove Park	PIGR-TR-P-82059	2017-11-29	Active	PINE GROVE PARK	Good	2	3	Unknown		1	Linden, Littleleaf	TILIA	CORDATA	2020-10-29 19:03	Cbranning	43.59811604	-116.291253
60	Pine Grove Park	PIGR-TR-P-82060	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Linden, Littleleaf	TILIA	CORDATA	2020-10-29 19:03	Cbranning	43.5981315	-116.2913669
62	Pine Grove Park	PIGR-TR-P-82062	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Linden, Littleleaf	TILIA	CORDATA	2020-10-29 19:03	Cbranning	43.59814466	-116.2914722
64	Pine Grove Park	PIGR-TR-P-82064	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Linden, Littleleaf	TILIA	CORDATA	2020-10-29 19:03	Cbranning	43.59816396	-116.2916311
65	Pine Grove Park	PIGR-TR-P-82065	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Linden, Littleleaf	TILIA	CORDATA	2020-10-29 19:03	Cbranning	43.59817768	-116.2917385
66	Pine Grove Park	PIGR-TR-P-82066	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Linden, Littleleaf	TILIA	CORDATA	2020-10-29 19:03	Cbranning	43.59819122	-116.2918445
313	Hillside to Hollow Reserve	HIHO-TR-P-82979	2021-01-11	Active	Hillside to Hollow Reserve	Good	2	2	Park	Harrison Hollow Trailhead	1	Linden, Littleleaf-Greenspire	TILIA	CORDATA	2021-05-18 19:19	Wlarimore	43.64456049	-116.2084474
314	Hillside to Hollow Reserve	HIHO-TR-P-82980	2021-01-11	Active	Hillside to Hollow Reserve	Good	2	2	Park	Harrison Hollow Trailhead	1	Linden, Littleleaf-Greenspire	TILIA	CORDATA	2021-05-18 19:19	Wlarimore	43.64447912	-116.2084478
315	Hillside to Hollow Reserve	HIHO-TR-P-82981	2021-01-11	Active	Hillside to Hollow Reserve	Good	2	2	Park	Harrison Hollow Trailhead	1	Linden, Littleleaf-Greenspire	TILIA	CORDATA	2021-05-18 19:19	Wlarimore	43.64430423	-116.2084634
217	Magnolia Park	MAGN-TR-P-82313	2016-10-15	Active	MAGNOLIA	Good	2	2	Park		1	Maple	ACER	SPECIES	2021-03-15 16:41	Cbranning	43.68143944	-116.2917088
31	Franklin Park	FRAN-TR-P-80148	2018-06-18	Active	FRANKLIN PARK	Good	1	6			1	Maple, Crimson Sunset	ACER	TRUNCATUM X PLATANOIDES	2018-10-03	mperkins	43.60150232	-116.2445868
34	Franklin Park	FRAN-TR-P-80150	2018-06-18	Active	FRANKLIN PARK	Good	1	6			1	Maple, Crimson Sunset	ACER	TRUNCATUM X PLATANOIDES	2018-10-03	mperkins	43.60184778	-116.2443759
36	Franklin Park	FRAN-TR-P-80152	2018-06-18	Active	FRANKLIN PARK	Good	1	6			1	Maple, Crimson Sunset	ACER	TRUNCATUM X PLATANOIDES	2018-10-03	mperkins	43.60181161	-116.244471
37	Franklin Park	FRAN-TR-P-80153	2018-06-18	Active	FRANKLIN PARK	Good	1	6			1	Maple, Crimson Sunset	ACER	TRUNCATUM X PLATANOIDES	2018-10-03	mperkins	43.60189049	-116.2445214
46	Franklin Park	FRAN-TR-P-80162	2018-06-18	Active	FRANKLIN PARK	Good	1	6			1	Maple, Crimson Sunset	ACER	TRUNCATUM X PLATANOIDES	2018-10-03	mperkins	43.60182712	-116.2457943
48	Franklin Park	FRAN-TR-P-80164	2018-06-18	Active	FRANKLIN PARK	Good	1	6			1	Maple, Crimson Sunset	ACER	TRUNCATUM X PLATANOIDES	2018-10-03	mperkins	43.60164821	-116.2458014
185	Magnolia Park	MAGN-TR-P-82279	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Maple, Crimson Sunset	ACER	SACCHARUM	2021-03-12 19:34	Cbranning	43.68160416	-116.2928246
186	Magnolia Park	MAGN-TR-P-82280	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Maple, Crimson Sunset	ACER	SACCHARUM	2021-03-12 19:34	Cbranning	43.68137874	-116.2928435
187	Magnolia Park	MAGN-TR-P-82281	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Maple, Crimson Sunset	ACER	SACCHARUM	2021-03-12 19:34	Cbranning	43.68132736	-116.2929417
342	Mariposa Park	MARI-TR-P-83008	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Maple, Norway-Crimson King	ACER	PLATANOIDES	2021-05-24 17:26	Cbranning	43.61450314	-116.3048892
355	Mariposa Park	MARI-TR-P-83021	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Maple, Norway-Crimson King	ACER	PLATANOIDES	2021-05-24 17:26	Cbranning	43.61526255	-116.3054674
171	Magnolia Park	MAGN-TR-P-82265	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Maple, Norwegian Sunset	ACER	RUBRUM	2021-03-12 19:34	Cbranning	43.68177175	-116.2935904
184	Magnolia Park	MAGN-TR-P-82278	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2021-03-12 19:34	Cbranning	43.68170926	-116.2929262
56	Pine Grove Park	PIGR-TR-P-82056	2017-11-29	Active	PINE GROVE PARK	Good	2	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 18:58	Cbranning	43.59821642	-116.2907844
57	Pine Grove Park	PIGR-TR-P-82057	2017-11-29	Active	PINE GROVE PARK	Good	1	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 18:58	Cbranning	43.59822828	-116.2909103
84	Pine Grove Park	PIGR-TR-P-82084	2017-11-29	Active	PINE GROVE PARK	Good	2	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 19:36	Cbranning	43.59821962	-116.2937208
85	Pine Grove Park	PIGR-TR-P-82085	2017-11-29	Active	PINE GROVE PARK	Good	2	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 19:36	Cbranning	43.59815689	-116.2937248
89	Pine Grove Park	PIGR-TR-P-82089	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 19:36	Cbranning	43.59789636	-116.2936477
90	Pine Grove Park	PIGR-TR-P-82090	2017-11-29	Active	PINE GROVE PARK	Fair	3	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 19:36	Cbranning	43.59783411	-116.2935992
91	Pine Grove Park	PIGR-TR-P-82091	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 19:36	Cbranning	43.59778208	-116.2935133
95	Pine Grove Park	PIGR-TR-P-82095	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 19:36	Cbranning	43.59777683	-116.293112
99	Pine Grove Park	PIGR-TR-P-82099	2017-11-29	Active	PINE GROVE PARK	Good	2	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 19:45	Cbranning	43.59789484	-116.2926478
101	Pine Grove Park	PIGR-TR-P-82101	2017-11-29	Active	PINE GROVE PARK	Good	1	3	Unknown		1	Maple, Pacific Sunset	ACER	TRUNCATUM X PLATANOIDES	2020-10-29 19:45	Cbranning	43.59801388	-116.292588
41	Franklin Park	FRAN-TR-P-80157	2018-06-18	Active	FRANKLIN PARK	Good	2	6			1	Maple, Red	ACER	RUBRUM	2018-10-03	mperkins	43.60128685	-116.2450183
160	Magnolia Park	MAGN-TR-P-82254	2016-10-15	Active	MAGNOLIA	Fair	3	2	Unknown		1	Maple, Red	ACER	RUBRUM	2021-03-12 19:34	Cbranning	43.68115393	-116.2937358
338	Mariposa Park	MARI-TR-P-83004	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Maple, Sugar	ACER	SACCHARUM	2021-05-24 17:26	Cbranning	43.61410376	-116.3049533
339	Mariposa Park	MARI-TR-P-83005	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Maple, Sugar	ACER	SACCHARUM	2021-05-24 17:26	Cbranning	43.61421447	-116.3049362
70	Pine Grove Park	PIGR-TR-P-82070	2017-11-29	Active	PINE GROVE PARK	Good	2	3	Unknown		1	Maple, Sugar	ACER	RUBRUM X SACCHARINUM	2020-10-29 19:13	Cbranning	43.59807251	-116.2916075
361	Mariposa Park	MARI-TR-P-83027	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Oak, Bur	QUERCUS	MACROCARPA	2021-05-24 17:26	Cbranning	43.61538128	-116.3049591
363	Mariposa Park	MARI-TR-P-83029	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Oak, Bur	QUERCUS	MACROCARPA	2021-05-24 17:26	Cbranning	43.61563279	-116.3049641
104	Bernardine Quinn Riverside Park	BEQU-TR-P-82106	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Oak, Northern Red	QUERCUS	RUBRA	2020-11-05	ssirotnak	43.6218856	-116.2322369
105	Bernardine Quinn Riverside Park	BEQU-TR-P-82107	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Oak, Northern Red	QUERCUS	RUBRA	2020-11-05	ssirotnak	43.62191609	-116.2321211
106	Bernardine Quinn Riverside Park	BEQU-TR-P-82108	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Oak, Northern Red	QUERCUS	RUBRA	2020-11-05	ssirotnak	43.62193941	-116.2320112
107	Bernardine Quinn Riverside Park	BEQU-TR-P-82109	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Oak, Northern Red	QUERCUS	RUBRA	2020-11-05	ssirotnak	43.62196416	-116.2319013
108	Bernardine Quinn Riverside Park	BEQU-TR-P-82110	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Oak, Northern Red	QUERCUS	RUBRA	2020-11-05	ssirotnak	43.62198891	-116.2317913
514	Bowler	BOWL-TR-P-83617	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-10-13 16:42	Cbranning	43.55641399	-116.1283235
525	Bowler	BOWL-TR-P-83628	2021-06-09	Active	Bowler Park	Fair	1	7	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-10-13 16:42	Cbranning	43.5550158	-116.1277643
528	Bowler	BOWL-TR-P-83631	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-10-13 16:42	Cbranning	43.55512753	-116.1270608
465	Cherie Buckner Webb Park	CHBW-TR-P-83568	2021-03-16	Active	Cherie Buckner-Webb Park	Fair	8	4	Island		1	Oak, Northern Red	QUERCUS	RUBRA	2021-10-12 16:44	Cbranning	43.61902144	-116.2064797
466	Cherie Buckner Webb Park	CHBW-TR-P-83569	2021-03-16	Active	Cherie Buckner-Webb Park	Fair	8	4	Island		1	Oak, Northern Red	QUERCUS	RUBRA	2021-10-12 16:44	Cbranning	43.61890745	-116.2064827
27	Franklin Park	FRAN-TR-P-80144	2018-06-18	Active	FRANKLIN PARK	Good	2	6			1	Oak, Northern Red	QUERCUS	RUBRA	2018-10-03	mperkins	43.60113851	-116.2446041
200	Magnolia Park	MAGN-TR-P-82294	2016-10-15	Active	MAGNOLIA	Fair	3	2	Unknown		1	Oak, Northern Red	QUERCUS	RUBRA	2021-03-12 19:34	Cbranning	43.68103771	-116.2926828
215	Magnolia Park	MAGN-TR-P-82311	2016-10-15	Active	MAGNOLIA	Poor	3	2	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-03-15 16:41	Cbranning	43.6813842	-116.2916047
218	Magnolia Park	MAGN-TR-P-82314	2016-10-15	Active	MAGNOLIA	Poor	1	2	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-03-15 16:41	Cbranning	43.68155144	-116.2916394
228	Magnolia Park	MAGN-TR-P-82324	2016-10-15	Active	MAGNOLIA	Fair	2	2	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-03-15 17:01	Cbranning	43.68186307	-116.2925572
237	Magnolia Park	MAGN-TR-P-82333	2016-10-15	Active	MAGNOLIA	Good	2	2	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-03-15 17:01	Cbranning	43.68211357	-116.2924204
241	Magnolia Park	MAGN-TR-P-82337	2016-10-15	Active	MAGNOLIA	Good	2	2	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-03-15 17:01	Cbranning	43.68240134	-116.2925082
251	Magnolia Park	MAGN-TR-P-82347	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-03-15 17:16	Cbranning	43.68255836	-116.2918399
269	Magnolia Park	MAGN-TR-P-82365	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Oak, Northern Red	QUERCUS	RUBRA	2021-03-15 17:51	Cbranning	43.68168841	-116.2916186
341	Mariposa Park	MARI-TR-P-83007	2018-10-16	Active	Mariposa Park	Fair	2	3	Park	ma - added to planting list	1	Oak, Northern Red	QUERCUS	RUBRA	2021-05-24 17:26	Cbranning	43.61438287	-116.3049239
424	Mariposa Park	MARI-TR-P-83121	2018-10-16	Active	Mariposa Park	Fair	2	3	Park	ma - added to planting list	1	Oak, Northern Red	QUERCUS	RUBRA	2021-05-28 19:12	Cbranning	43.61520379	-116.3058377
179	Magnolia Park	MAGN-TR-P-82273	2016-10-15	Active	MAGNOLIA	Fair	3	2	Unknown		1	Oak, Swamp White	QUERCUS	BICOLOR	2021-03-12 19:57	Cbranning	43.68144405	-116.2931998
317	Mariposa Park	MARI-TR-P-82983	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Oak, Swamp White	QUERCUS	BICOLOR	2021-05-24 17:02	Cbranning	43.61540532	-116.3046754
360	Mariposa Park	MARI-TR-P-83026	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Oak, Swamp White	QUERCUS	BICOLOR	2021-05-24 17:26	Cbranning	43.61527302	-116.3049806
362	Mariposa Park	MARI-TR-P-83028	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Oak, Swamp White	QUERCUS	BICOLOR	2021-05-24 17:26	Cbranning	43.61548247	-116.30496
445	Mariposa Park	MARI-TR-P-83142	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Oak, Swamp White	QUERCUS	BICOLOR	2021-05-28 19:36	Cbranning	43.61437846	-116.3064711
131	Bernardine Quinn Riverside Park	BEQU-TR-P-82133	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Pagodatree, Japanese	SOPHORA	JAPONICA	2020-11-05	ssirotnak	43.62261081	-116.2323666
132	Bernardine Quinn Riverside Park	BEQU-TR-P-82134	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Pagodatree, Japanese	SOPHORA	JAPONICA	2020-11-05	ssirotnak	43.62263709	-116.2322331
133	Bernardine Quinn Riverside Park	BEQU-TR-P-82135	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Pagodatree, Japanese	SOPHORA	JAPONICA	2020-11-05	ssirotnak	43.62265906	-116.2321054
134	Bernardine Quinn Riverside Park	BEQU-TR-P-82136	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Pagodatree, Japanese	SOPHORA	JAPONICA	2020-11-05	ssirotnak	43.62269246	-116.2319779
135	Bernardine Quinn Riverside Park	BEQU-TR-P-82137	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Pagodatree, Japanese	SOPHORA	JAPONICA	2020-11-05	ssirotnak	43.62273572	-116.2318838
219	Magnolia Park	MAGN-TR-P-82315	2016-10-15	Active	MAGNOLIA	Good	4	2	Park		1	Pagodatree, Japanese	SOPHORA	JAPONICA	2021-03-15 16:41	Cbranning	43.68157815	-116.29173
268	Magnolia Park	MAGN-TR-P-82364	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Pagodatree, Japanese	SOPHORA	JAPONICA	2021-03-15 17:51	Cbranning	43.68174622	-116.2918096
401	Mariposa Park	MARI-TR-P-83067	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pagodatree, Japanese	SOPHORA	JAPONICA	2021-05-25 17:34	Cbranning	43.6153669	-116.3052124
449	Mariposa Park	MARI-TR-P-83146	2018-10-16	Active	Mariposa Park	Fair	1	3	Park	ma - added to planting list	1	Pagodatree, Japanese	SOPHORA	JAPONICA	2021-05-28 19:36	Cbranning	43.61472178	-116.3065206
38	Franklin Park	FRAN-TR-P-80154	2018-06-18	Active	FRANKLIN PARK	Good	3	6			1	Pear, Callery or Flowering	PYRUS	CALLERYANA	2018-10-03	mperkins	43.6018479	-116.2447181

45	Franklin Park	FRAN-TR-P-80161	2018-06-18	Active	FRANKLIN PARK	Good	3	6			1	Pear, Callery or Flowering	PYRUS	CALLERYANA	2018-10-03	mperkins	43.60126744	-116.2454642
161	Magnolia Park	MAGN-TR-P-82255	2016-10-15	Active	MAGNOLIA	Good	5	2	Unknown		1	Pine, Austrian	PINUS	NIGRA	2021-03-12 19:34	Cbranning	43.68108057	-116.2936367
162	Magnolia Park	MAGN-TR-P-82256	2016-10-15	Active	MAGNOLIA	Good	4	2	Unknown		1	Pine, Austrian	PINUS	NIGRA	2021-03-12 19:34	Cbranning	43.68108343	-116.2935268
163	Magnolia Park	MAGN-TR-P-82257	2016-10-15	Active	MAGNOLIA	Good	5	2	Unknown		1	Pine, Austrian	PINUS	NIGRA	2021-03-12 19:34	Cbranning	43.68112976	-116.2935768
183	Magnolia Park	MAGN-TR-P-82277	2016-10-15	Active	MAGNOLIA	Good	5	2	Unknown		1	Pine, Austrian	PINUS	NIGRA	2021-03-12 19:57	Cbranning	43.68182138	-116.2928155
206	Magnolia Park	MAGN-TR-P-82300	2016-10-15	Active	MAGNOLIA	Good	5	2	Unknown		1	Pine, Austrian	PINUS	NIGRA	2021-03-12 19:34	Cbranning	43.68101809	-116.2920295
209	Magnolia Park	MAGN-TR-P-82303	2016-10-15	Active	MAGNOLIA	Good	4	2	Unknown		1	Pine, Austrian	PINUS	NIGRA	2021-03-12 19:34	Cbranning	43.68106356	-116.291812
210	Magnolia Park	MAGN-TR-P-82306	2016-10-15	Active	MAGNOLIA	Fair	5	2	Park		1	Pine, Austrian	PINUS	NIGRA	2021-03-15 16:41	Cbranning	43.68107339	-116.2917299
211	Magnolia Park	MAGN-TR-P-82307	2016-10-15	Active	MAGNOLIA	Good	5	2	Park		1	Pine, Austrian	PINUS	NIGRA	2021-03-15 16:41	Cbranning	43.68108572	-116.2916037
228	Magnolia Park	MAGN-TR-P-82322	2016-10-15	Active	MAGNOLIA	Fair	4	2	Park		1	Pine, Austrian	PINUS	NIGRA	2021-03-15 17:01	Cbranning	43.68174908	-116.2926265
231	Magnolia Park	MAGN-TR-P-82327	2016-10-15	Active	MAGNOLIA	Good	5	2	Park		1	Pine, Austrian	PINUS	NIGRA	2021-03-15 17:01	Cbranning	43.68213554	-116.2925705
232	Magnolia Park	MAGN-TR-P-82328	2016-10-15	Active	MAGNOLIA	Good	5	2	Park		1	Pine, Austrian	PINUS	NIGRA	2021-03-15 17:01	Cbranning	43.68218045	-116.2925059
233	Magnolia Park	MAGN-TR-P-82329	2016-10-15	Active	MAGNOLIA	Good	4	2	Park		1	Pine, Austrian	PINUS	NIGRA	2021-03-15 17:01	Cbranning	43.68222575	-116.2925805
254	Magnolia Park	MAGN-TR-P-82350	2016-10-15	Active	MAGNOLIA	Good	4	2	Park		1	Pine, Austrian	PINUS	NIGRA	2021-03-15 17:16	Cbranning	43.68262358	-116.2917758
255	Magnolia Park	MAGN-TR-P-82351	2016-10-15	Active	MAGNOLIA	Good	6	2	Park		1	Pine, Austrian	PINUS	NIGRA	2021-03-15 17:16	Cbranning	43.68268177	-116.2916939
256	Magnolia Park	MAGN-TR-P-82352	2016-10-15	Active	MAGNOLIA	Good	6	2	Park		1	Pine, Austrian	PINUS	NIGRA	2021-03-15 17:16	Cbranning	43.68260927	-116.2916709
319	Mariposa Park	MARI-TR-P-82985	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:08	Cbranning	43.61505447	-116.3047811
320	Mariposa Park	MARI-TR-P-82986	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:08	Cbranning	43.6149813	-116.3047994
322	Mariposa Park	MARI-TR-P-82988	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:08	Cbranning	43.6148444	-116.3047778
323	Mariposa Park	MARI-TR-P-82989	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:08	Cbranning	43.61477077	-116.3047587
324	Mariposa Park	MARI-TR-P-82990	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:08	Cbranning	43.61469705	-116.3047544
329	Mariposa Park	MARI-TR-P-82995	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:08	Cbranning	43.61427486	-116.3046797
330	Mariposa Park	MARI-TR-P-82996	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:08	Cbranning	43.61428707	-116.3045743
331	Mariposa Park	MARI-TR-P-82997	2018-10-16	Active	Mariposa Park	Fair	1	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:08	Cbranning	43.61427865	-116.3044496
343	Mariposa Park	MARI-TR-P-83009	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:26	Cbranning	43.61474409	-116.3049118
344	Mariposa Park	MARI-TR-P-83010	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:26	Cbranning	43.61484459	-116.3049676
353	Mariposa Park	MARI-TR-P-83019	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:26	Cbranning	43.61528264	-116.3056989
354	Mariposa Park	MARI-TR-P-83020	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-24 17:26	Cbranning	43.61526942	-116.3055756
395	Mariposa Park	MARI-TR-P-83061	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-25 17:34	Cbranning	43.61563784	-116.3053723
396	Mariposa Park	MARI-TR-P-83062	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-25 17:34	Cbranning	43.61564091	-116.3054885
397	Mariposa Park	MARI-TR-P-83063	2018-10-16	Active	Mariposa Park	Fair	3	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-25 17:34	Cbranning	43.61562015	-116.3056237
405	Mariposa Park	MARI-TR-P-83102	2018-10-16	Active	Mariposa Park	Fair	2	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-28 18:40	Cbranning	43.61416109	-116.3052842
406	Mariposa Park	MARI-TR-P-83103	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Austrian	PINUS	NIGRA	2021-05-28 18:40	Cbranning	43.61414539	-116.3054163
189	Magnolia Park	MAGN-TR-P-82283	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Pine, Bosnian	PINUS	SPECIES	2021-03-12 19:34	Cbranning	43.68119273	-116.2929219
413	Mariposa Park	MARI-TR-P-83101	2018-10-16	Active	Mariposa Park	Good	1	3	Park	ma - added to planting list	1	Pine, Limber	PINUS	FLEXILIS	2021-05-28 18:40	Cbranning	43.61405665	-116.305335
415	Mariposa Park	MARI-TR-P-83112	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Limber	PINUS	FLEXILIS	2021-05-28 18:40	Cbranning	43.6140973	-116.30613
425	Mariposa Park	MARI-TR-P-83122	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Limber	PINUS	FLEXILIS	2021-05-28 19:12	Cbranning	43.61526278	-116.3059839
426	Mariposa Park	MARI-TR-P-83123	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Limber	PINUS	FLEXILIS	2021-05-28 19:12	Cbranning	43.61513276	-116.305924
28	Franklin Park	FRAN-TR-P-80145	2018-06-18	Active	FRANKLIN PARK	Good	3	6			1	Pine, Limber-Vanderwolfs Pyramid	PINUS	FLEXILIS	2018-10-03	mperkins	43.60115607	-116.2445239
35	Franklin Park	FRAN-TR-P-80151	2018-06-18	Active	FRANKLIN PARK	Good	3	6			1	Pine, Limber-Vanderwolfs Pyramid	PINUS	FLEXILIS	2018-10-03	mperkins	43.60176818	-116.2444432
43	Franklin Park	FRAN-TR-P-80159	2018-06-18	Active	FRANKLIN PARK	Good	3	6			1	Pine, Limber-Vanderwolfs Pyramid	PINUS	FLEXILIS	2018-10-03	mperkins	43.60128688	-116.2452643
507	Bowler	BOWL-TR-P-83610	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-10-13 16:58	Cbranning	43.55564201	-116.127344
508	Bowler	BOWL-TR-P-83611	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-10-13 16:58	Cbranning	43.55556029	-116.1273933
509	Bowler	BOWL-TR-P-83612	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-10-13 16:58	Cbranning	43.55551951	-116.1272357
188	Magnolia Park	MAGN-TR-P-82282	2016-10-15	Active	MAGNOLIA	Good	4	2	Unknown		1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-03-12 19:34	Cbranning	43.68125797	-116.2929065
190	Magnolia Park	MAGN-TR-P-82284	2016-10-15	Active	MAGNOLIA	Good	4	2	Unknown		1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-03-12 19:34	Cbranning	43.681184	-116.2927802
192	Magnolia Park	MAGN-TR-P-82286	2016-10-15	Active	MAGNOLIA	Good	4	2	Unknown		1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-03-12 19:34	Cbranning	43.6810274	-116.2929391
205	Magnolia Park	MAGN-TR-P-82299	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-03-12 19:34	Cbranning	43.68108155	-116.2921032
384	Mariposa Park	MARI-TR-P-83050	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-05-25 17:34	Cbranning	43.61565701	-116.3063935
385	Mariposa Park	MARI-TR-P-83051	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-05-25 17:34	Cbranning	43.61566413	-116.3062862
407	Mariposa Park	MARI-TR-P-83104	2018-10-16	Active	Mariposa Park	Poor	2	3	Park	ma - added to planting list	1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-05-28 18:40	Cbranning	43.61405896	-116.3054919
437	Mariposa Park	MARI-TR-P-83134	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-05-28 19:12	Cbranning	43.61516239	-116.3066776
438	Mariposa Park	MARI-TR-P-83135	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-05-28 19:12	Cbranning	43.61534575	-116.3066755
443	Mariposa Park	MARI-TR-P-83140	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Pine, Scotch or Scots	PINUS	SYLVESTRIS	2021-05-28 19:12	Cbranning	43.61552662	-116.3066812
177	Magnolia Park	MAGN-TR-P-82271	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Planetree, London	PLATANUS	X ACERIFOLIA	2021-03-12 19:57	Cbranning	43.68176543	-116.2933018
421	Mariposa Park	MARI-TR-P-83118	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Planetree, London	PLATANUS	X ACERIFOLIA	2021-05-28 18:40	Cbranning	43.61427796	-116.3065797
447	Mariposa Park	MARI-TR-P-83144	2018-10-16	Active	Mariposa Park	Good	4	3	Park	ma - added to planting list	1	Planetree, London	PLATANUS	X ACERIFOLIA	2021-05-28 19:36	Cbranning	43.61452704	-116.3064067
77	Pine Grove Park	PIGR-TR-P-82077	2017-11-29	Active	PINE GROVE PARK	Good	4	3	Unknown		1	Planetree, London	PLATANUS	X ACERIFOLIA	2020-10-29 19:30	Cbranning	43.59843799	-116.2934773
102	Pine Grove Park	PIGR-TR-P-82102	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Planetree, London	PLATANUS	X ACERIFOLIA	2020-10-29 19:54	Cbranning	43.59817102	-116.2922519
103	Pine Grove Park	PIGR-TR-P-82103	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Planetree, London	PLATANUS	X ACERIFOLIA	2020-10-29 19:54	Cbranning	43.59818409	-116.2920959
118	Bernardine Quinn Riverside Park	BEQU-TR-P-82120	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Planetree, London-Bloodgood	PLATANUS	X ACERIFOLIA	2020-11-05	ssirotnak	43.62189495	-116.2323904
119	Bernardine Quinn Riverside Park	BEQU-TR-P-82121	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Planetree, London-Bloodgood	PLATANUS	X ACERIFOLIA	2020-11-05	ssirotnak	43.62200813	-116.2323166
208	Magnolia Park	MAGN-TR-P-82302	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Planetree, London-Bloodgood	PLATANUS	X ACERIFOLIA	2021-03-12 19:34	Cbranning	43.68106265	-116.2919062
238	Magnolia Park	MAGN-TR-P-82334	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Planetree, London-Bloodgood	PLATANUS	X ACERIFOLIA	2021-03-15 17:01	Cbranning	43.68195346	-116.2923089
267	Magnolia Park	MAGN-TR-P-82363	2016-10-15	Active	MAGNOLIA	Good	1	2	Park		1	Redbud, Eastern	CERCIS	CANADENSIS	2021-03-15 17:51	Cbranning	43.68181879	-116.2918958
181	Magnolia Park	MAGN-TR-P-82275	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-03-12 19:57	Cbranning	43.68179413	-116.2931961
242	Magnolia Park	MAGN-TR-P-82338	2016-10-15	Active	MAGNOLIA	Good	5	2	Park		1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-03-15 17:01	Cbranning	43.68242471	-116.2926772
276	Magnolia Park	MAGN-TR-P-82372	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-03-15 17:51	Cbranning	43.68196758	-116.2916622
340	Mariposa Park	MARI-TR-P-83006	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-05-24 17:26	Cbranning	43.61428651	-116.3049453
356	Mariposa Park	MARI-TR-P-83022	2018-10-16	Active	Mariposa Park	Good	1	3	Park	ma - added to planting list	1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-05-24 17:26	Cbranning	43.61528832	-116.3053544
357	Mariposa Park	MARI-TR-P-83023	2018-10-16	Active	Mariposa Park	Good	1	3	Park	ma - added to planting list	1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-05-24 17:26	Cbranning	43.6152591	-116.3052579
358	Mariposa Park	MARI-TR-P-83024	2018-10-16	Active	Mariposa Park	Good	1	3	Park	ma - added to planting list	1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-05-24 17:26	Cbranning	43.61529468	-116.3051659
422	Mariposa Park	MARI-TR-P-83119	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-05-28 18:40	Cbranning	43.61437989	-116.3066309
446	Mariposa Park	MARI-TR-P-83143	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-05-28 19:36	Cbranning	43.614412	-116.306421
448	Mariposa Park	MARI-TR-P-83145	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Redwood, Dawn	METASEQUOIA	GLYPTOSTROBOIDES	2021-05-28 19:36	Cbranning	43.61463892	-116.306404
109	Bernardine Quinn Riverside Park	BEQU-TR-P-82111	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4		Landscape plan listed A. alnif	1	Serviceberry	AMELANCHIER	SPECIES	2020-11-05	ssirotnak	43.62200631	-116.2320707
110	Bernardine Quinn Riverside Park	BEQU-TR-P-82112	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4		Landscape plan listed A. alnif	1	Serviceberry	AMELANCHIER	SPECIES	2020-11-05	ssirotnak	43.62204484	-116.2320809
111	Bernardine Quinn Riverside Park	BEQU-TR-P-82113	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4		Landscape plan listed A. alnif	1	Serviceberry	AMELANCHIER	SPECIES	2020-11-05	ssirotnak	43.62202363	-116.2320296
197	Magnolia Park	MAGN-TR-P-82291	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Spruce	PICEA	SPECIES	2021-03-12 19:34	Cbranning	43.68124738	-116.2932769
141	Bernardine Quinn Riverside Park	BEQU-TR-P-82143	2020-07-01	Active	Bernardine Quinn Riverside	Good	1	4		8 ft	1	Spruce, Black Hills-Densata	PICEA	GLAUCA	2020-11-05	ssirotnak	43.62239982	-116.2329372
142	Bernardine Quinn Riverside Park	BEQU-TR-P-82144	2020-07-01	Active	Bernardine Quinn Riverside	Good	1	4		8 ft	1	Spruce, Black Hills-Densata	PICEA	GLAUCA	2020-11-05	ssirotnak	43.62243106	-116.2329827
143	Bernardine Quinn Riverside Park	BEQU-TR-P-82145	2020-07-01	Active	Bernardine Quinn Riverside	Good	1	4		8 ft	1	Spruce, Black Hills-Densata	PICEA	GLAUCA	2020-11-05	ssirotnak	43.62244271	-116.2329297
520	Bowler	BOWL-TR-P-83623	2021-06-09	Active	Bowler Park	Good	3	7	Park		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-10-13 16:42	Cbranning	43.55556176	-116.1284747
524	Bowler	BOWL-TR-P-83627	2021-06-09	Active	Bowler Park	Good	3	7	Park		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-10-13 16:42	Cbranning	43.55534919	-116.1281267
526	Bowler	BOWL-TR-P-83629	2021-06-09	Active	Bowler Park	Good	3	7	Park		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-10-13 16:42	Cbranning	43.55516089	-116.1276653
21	Franklin Park	FRAN-TR-P-80220	2018-06-18	Active	FRANKLIN PARK	Fair	2	6			1	Spruce, Colorado or Blue	PICEA	PUNGENS	2018-10-03	mperkins	43.60120192	-116.2457686
33	Franklin Park	FRAN-TR-P-80221	2018-06-18	Active	FRANKLIN PARK	Fair	2	6			1	Spruce, Colorado or Blue	PICEA	PUNGENS	2018-10-03	mperkins	43.60163796	-116.2444895
159	Magnolia Park	MAGN-TR-P-82253	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-03-12 19:34	Cbranning	43.68109095	-116.293831
174	Magnolia Park	MAGN-TR-P-82268	2016-10-15	Active	MAGNOLIA	Good	4	2	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-03-12 19:57	Cbranning	43.68180871	-116.2935431
175	Magnolia Park	MAGN-TR-P-82269	2016-10-15	Active	MAGNOLIA	Good	4	2	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-03-12 19:57	Cbranning	43.68173301	-116.2934942
182	Magnolia Park	MAGN-TR-P-82276	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-03-12 19:57	Cbranning	43.68184317	-116.2929577
227	Magnolia Park	MAGN-TR-P-82323	2016-10-15	Active	MAGNOLIA	Fair	2	2	Park		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-03-15 17:01	Cbranning	43.68193416	-116.2926601
266	Magnolia Park	MAGN-TR-P-82362	2016-10-15	Active	MAGNOLIA	Fair	2	2	Park		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-03-15 17:51	Cbranning	43.68171075	-116.2919794
318	Mariposa Park	MARI-TR-P-82984	2018-10-16	Active	Mariposa Park	Fair	2	3	Park	ma - added to planting list	1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-05-24 17:02	Cbranning	43.61533364	-116.3046792
326	Mariposa Park	MARI-TR-P-82992	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-05-24 17:08	Cbranning	43.61445084	-116.3047717
328	Mariposa Park	MARI-TR-P-82994	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-05-24 17:08	Cbranning	43.61431563	-116.304762
332	Mariposa Park	MARI-TR-P-82998	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-05-24 17:08	Cbranning	43.61424116	-116.3044864
400	Mariposa Park	MARI-TR-P-83066	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-05-25 17:34	Cbranning	43.61537832	-116.3053808
402	Mariposa Park	MARI-TR-P-83099	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-05-28 18:40	Cbranning	43.61402714	-116.3050416
423	Mariposa Park	MARI-TR-P-83120	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-05-28 18:40	Cbranning	43.61466135	-116.3066469
450	Mariposa Park	MARI-TR-P-83147	2018-10-16	Active	Mariposa Park	Fair	3	3	Park	ma - added to planting list	1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-05-28 19:36	Cbranning	43.61474637	-116.3066597
451	Mariposa Park	MARI-TR-P-83148	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Spruce, Colorado or Blue	PICEA	PUNGENS	2021-05-28 19:36	Cbranning	43.61483605	-116.3066745
81	Pine Grove Park	PIGR-TR-P-82081	2017-11-29	Active	PINE GROVE PARK	Good	2	3	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2020-10-29 19:30	Cbranning	43.59834203	-116.293757
82	Pine Grove Park	PIGR-TR-P-82082	2017-11-29	Active	PINE GROVE PARK	Good	2	3	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2020-10-29 19:30	Cbranning	43.59840309	-116.2937154
83	Pine Grove Park	PIGR-TR-P-82083	2017-11-29	Active	PINE GROVE PARK	Good	1	3	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2020-10-29 19:30	Cbranning	43.59842892	-116.2936439
86	Pine Grove Park	PIGR-TR-P-82086	2017-11-29	Active	PINE GROVE PARK	Good	4	3	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2020-10-29 19:30	Cbranning	43.59809507	-116.2937095
87	Pine Grove Park	PIGR-TR-P-82087	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2020-10-29 19:30	Cbranning	43.59803827	-116.2936823
88	Pine Grove Park	PIGR-TR-P-82088	2017-11-29	Active	PINE GROVE PARK	Good	2	3	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2020-10-29 19:30	Cbranning	43.59797097	-116.2936773
96	Pine Grove Park	PIGR-TR-P-82096	2017-11-29	Active	PINE GROVE PARK	Good	1	3	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2020-10-29 19:30	Cbranning	43.5977985	-116.2929491
98	Pine Grove Park	PIGR-TR-P-82098	2017-11-29	Active	PINE GROVE PARK	Good	3	3	Unknown		1	Spruce, Colorado or Blue	PICEA	PUNGENS	2020-10-29 19:30	Cbranning	43.5978994	-116.2927875
196	Magnolia Park	MAGN-TR-P-82290	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Spruce, Norway	PICEA	ABIES	2021-03-12 19:34	Cbranning	43.68116982	-116.2933298
214	Magnolia Park	MAGN-TR-P-82310	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Spruce, Norway	PICEA	ABIES	2021-03-15 16:41	Cbranning	43.68127821	-116.2915837
216	Magnolia Park	MAGN-TR-P-82312	2016-10-15	Active	MAGNOLIA	Good	2	2	Park		1	Spruce, Norway	PICEA	ABIES	2021-03-15 16:41	Cbranning	43.68147018	-116.2916229
164	Magnolia Park	MAGN-TR-P-82258	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Spruce, White	PICEA	GLAUCA	2021-03-12 19:34	Cbranning	43.68109753	-116.2934587
172	Magnolia Park	MAGN-TR-P-82266	2016-10-15	Active	MAGNOLIA	Good	1	2	Unknown		1	Spruce, White	PICEA	GLAUCA	2021-03-12 19:34	Cbranning	43.68181605	-116.29374
173	Magnolia Park	MAGN-TR-P-82267	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Spruce, White	PICEA	GLAUCA	2021-03-12 19:34	Cbranning	43.68182959	-116.2938366
176	Magnolia Park	MAGN-TR-P-82270	2016-10-15	Active	MAGNOLIA	Good	4	2	Unknown		1	Spruce, White	PICEA	GLAUCA	2021-03-12 19:57	Cbranning	43.68166385	-116.2934314
180	Magnolia Park	MAGN-TR-P-82274	2016-10-15	Active	MAGNOLIA	Fair	1	2	Unknown		1	Spruce, White	PICEA	GLAUCA	2021-03-12 19:57	Cbranning	43.6816635	-116.2931188
193	Magnolia Park	MAGN-TR-P-82287	2016-10-15	Active	MAGNOLIA	Good	3	2	Unknown		1	Spruce, White	PICEA	GLAUCA	2021-03-12 19:34	Cbranning	43.68102334	-116.2930598
201	Magnolia Park	MAGN-TR-P-82295	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Spruce, White	PICEA	GLAUCA	2021-03-12 19:34	Cbranning	43.68101495	-116.2924415
246	Magnolia Park	MAGN-TR-P-82342	2016-10-15	Active	MAGNOLIA	Good	4	2	Park		1	Spruce, White	PICEA	GLAUCA	2021-03-15 17:16	Cbranning	43.68267518	-116.2922947
247	Magnolia Park	MAGN-TR-P-82343	2016-10-15	Active	MAGNOLIA	Good	5	2	Park		1	Spruce, White	PICEA	GLAUCA	2021-03-15 17:16	Cbranning	43.68271698	-116.2922177
263	Magnolia Park	MAGN-TR-P-82359	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Spruce, White	PICEA	GLAUCA	2021-03-15 17:16	Cbranning	43.68225231	-116.2916377
270	Magnolia Park	MAGN-TR-P-82366	2016-10-15	Active	MAGNOLIA	Good	2	2	Park		1	Spruce, White	PICEA	GLAUCA	2021-03-15 17:51	Cbranning	43.68179828	-116.2916008
271	Magnolia Park	MAGN-TR-P-82367	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Spruce, White	PICEA	GLAUCA	2021-03-15 17:51	Cbranning	43.68185468	-116.2917143
325	Mariposa Park	MARI-TR-P-82991	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-24 17:08	Cbranning	43.61453491	-116.3047537
327	Mariposa Park	MARI-TR-P-82993	2018-10-16	Active	Mariposa Park	Good	1	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-24 17:08	Cbranning	43.61439651	-116.3047623
345	Mariposa Park	MARI-TR-P-83011	2018-10-16	Active	Mariposa Park	Poor	1	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-24 17:26	Cbranning	43.61476024	-116.3050202
386	Mariposa Park	MARI-TR-P-83052	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-25 17:34	Cbranning	43.61567838	-116.3061875
403	Mariposa Park	MARI-TR-P-83100	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-28 18:40	Cbranning	43.61412808	-116.3052096
412	Mariposa Park	MARI-TR-P-83109	2018-10-16	Active	Mariposa Park	Good	1	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-28 18:40	Cbranning	43.61401618	-116.3058281
413	Mariposa Park	MARI-TR-P-83110	2018-10-16	Active	Mariposa Park	Good	1	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-28 18:40	Cbranning	43.61403081	-116.3059155
414	Mariposa Park	MARI-TR-P-83111	2018-10-16	Active	Mariposa Park	Good	1	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-28 18:40	Cbranning	43.61402286	-116.3060361
430	Mariposa Park	MARI-TR-P-83127	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-28 19:12	Cbranning	43.61491516	-116.3063084
431	Mariposa Park	MARI-TR-P-83128	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-28 19:12	Cbranning	43.61485273	-116.3063336
432	Mariposa Park	MARI-TR-P-83129	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Spruce, White	PICEA	GLAUCA	2021-05-28 19:12	Cbranning	43.61487138	-116.3064269
165	Magnolia Park	MAGN-TR-P-82259	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Sweetgum	LIQUIDAMBAR	STYRACIFLUA	2021-03-12 19:34	Cbranning	43.68102198	-116.2934897
191	Magnolia Park	MAGN-TR-P-82285	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Sweetgum	LIQUIDAMBAR	STYRACIFLUA	2021-03-12 19:34	Cbranning	43.68112162	-116.2929585
194	Magnolia Park	MAGN-TR-P-82288	2016-10-15	Active	MAGNOLIA	Good	2	2	Unknown		1	Sweetgum	LIQUIDAMBAR	STYRACIFLUA	2021-03-12 19:34	Cbranning	43.68111679	-116.2930965
249	Magnolia Park	MAGN-TR-P-82345	2016-10-15	Active	MAGNOLIA	Good	2	2	Park		1	Sweetgum	LIQUIDAMBAR	STYRACIFLUA	2021-03-15 17:16	Cbranning	43.68258916	-116.2920889

250	Magnolia Park	MAGN-TR-P-82346	2016-10-15	Active	MAGNOLIA	Good	2	2	Park		1	Sweetgum	LIQUIDAMBAR	STYRACIFLUA	2021-03-15 17:16	Cbranning	43.68259563	-116.2919767
434	Mariposa Park	MARI-TR-P-83131	2018-10-16	Active	Mariposa Park	Good	2	3	Park	ma - added to planting list	1	Sweetgum	LIQUIDAMBAR	STYRACIFLUA	2021-05-28 19:12	Cbranning	43.61495902	-116.3066821
435	Mariposa Park	MARI-TR-P-83132	2018-10-16	Active	Mariposa Park	Fair	1	3	Park	ma - added to planting list	1	Sweetgum	LIQUIDAMBAR	STYRACIFLUA	2021-05-28 19:12	Cbranning	43.61512995	-116.3065936
136	Bernardine Quinn Riverside Park	BEQU-TR-P-82138	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Tuliptree	LIRIODENDRON	TULIPIFERA	2020-11-05	ssirotnak	43.62248337	-116.2327747
137	Bernardine Quinn Riverside Park	BEQU-TR-P-82139	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Tuliptree	LIRIODENDRON	TULIPIFERA	2020-11-05	ssirotnak	43.62255592	-116.232848
138	Bernardine Quinn Riverside Park	BEQU-TR-P-82140	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Tuliptree	LIRIODENDRON	TULIPIFERA	2020-11-05	ssirotnak	43.62262763	-116.2327837
139	Bernardine Quinn Riverside Park	BEQU-TR-P-82141	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Tuliptree	LIRIODENDRON	TULIPIFERA	2020-11-05	ssirotnak	43.62263258	-116.2326264
140	Bernardine Quinn Riverside Park	BEQU-TR-P-82142	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Tuliptree	LIRIODENDRON	TULIPIFERA	2020-11-05	ssirotnak	43.62253713	-116.2325627
499	Bowler	BOWL-TR-P-83602	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-13 16:47	Cbranning	43.55618893	-116.1275921
521	Bowler	BOWL-TR-P-83624	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-13 16:42	Cbranning	43.55548456	-116.1285472
522	Bowler	BOWL-TR-P-83625	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-13 16:42	Cbranning	43.55540443	-116.1284137
527	Bowler	BOWL-TR-P-83630	2021-06-09	Active	Bowler Park	Good	2	7	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-13 16:42	Cbranning	43.55502121	-116.1274206
474	Cherie Buckner Webb Park	CHBW-TR-P-83577	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61877552	-116.206009
475	Cherie Buckner Webb Park	CHBW-TR-P-83578	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61878395	-116.2060778
476	Cherie Buckner Webb Park	CHBW-TR-P-83579	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61878955	-116.2061537
477	Cherie Buckner Webb Park	CHBW-TR-P-83580	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61879888	-116.2062282
478	Cherie Buckner Webb Park	CHBW-TR-P-83581	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61880786	-116.2063046
479	Cherie Buckner Webb Park	CHBW-TR-P-83582	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61876592	-116.206253
480	Cherie Buckner Webb Park	CHBW-TR-P-83583	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61875731	-116.2061781
481	Cherie Buckner Webb Park	CHBW-TR-P-83584	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61875381	-116.2061056
482	Cherie Buckner Webb Park	CHBW-TR-P-83585	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61874989	-116.206033
483	Cherie Buckner Webb Park	CHBW-TR-P-83586	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61872114	-116.2060611
484	Cherie Buckner Webb Park	CHBW-TR-P-83587	2021-06-01	Active	Cherie Buckner-Webb Park	Good	2	4	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-10-12 16:44	Cbranning	43.61872387	-116.2061343
229	Magnolia Park	MAGN-TR-P-82325	2016-10-15	Active	MAGNOLIA	Good	4	2	Park		1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-03-15 17:01	Cbranning	43.68197885	-116.2925318
398	Mariposa Park	MARI-TR-P-83064	2018-10-16	Active	Mariposa Park	Good	3	3	Park	ma - added to planting list	1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-05-25 17:34	Cbranning	43.61555181	-116.30567
408	Mariposa Park	MARI-TR-P-83105	2018-10-16	Active	Mariposa Park	Fair	2	3	Park	ma - added to planting list	1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-05-28 18:40	Cbranning	43.61406933	-116.3056539
433	Mariposa Park	MARI-TR-P-83130	2018-10-16	Active	Mariposa Park	Fair	2	3	Park	ma - added to planting list	1	Tuliptree	LIRIODENDRON	TULIPIFERA	2021-05-28 19:12	Cbranning	43.61485989	-116.3064941
212	Magnolia Park	MAGN-TR-P-82308	2016-10-15	Active	MAGNOLIA	Good	3	2	Park		1	Willow	SALIX	NIGRA	2021-03-15 16:41	Cbranning	43.6811449	-116.2916762
199	Magnolia Park	MAGN-TR-P-82293	2016-10-15	Active	MAGNOLIA	Fair	4	2	Unknown		1	Willow, Weeping	SALIX	BABYLONICA	2021-03-12 19:34	Cbranning	43.68109609	-116.2926599
223	Magnolia Park	MAGN-TR-P-82319	2016-10-15	Active	MAGNOLIA	Good	5	2	Park		1	Willow, Weeping	SALIX	BABYLONICA	2021-03-15 16:41	Cbranning	43.68141032	-116.292205
383	Mariposa Park	MARI-TR-P-83049	2018-10-16	Active	Mariposa Park	Good	6	3	Park	ma - added to planting list	1	Willow, Weeping	SALIX	BABYLONICA	2021-05-25 17:34	Cbranning	43.61561376	-116.3064579
392	Mariposa Park	MARI-TR-P-83058	2018-10-16	Active	Mariposa Park	Good	5	3	Park	ma - added to planting list	1	Willow, Weeping	SALIX	BABYLONICA	2021-05-25 17:34	Cbranning	43.61546219	-116.3057898
429	Mariposa Park	MARI-TR-P-83126	2018-10-16	Active	Mariposa Park	Good	6	3	Park	ma - added to planting list	1	Willow, Weeping	SALIX	BABYLONICA	2021-05-28 19:12	Cbranning	43.61500131	-116.3062937
444	Mariposa Park	MARI-TR-P-83141	2018-10-16	Active	Mariposa Park	Good	4	3	Park	ma - added to planting list	1	Willow, Weeping	SALIX	BABYLONICA	2021-05-28 19:12	Cbranning	43.61554046	-116.3065588
117	Bernardine Quinn Riverside Park	BEQU-TR-P-82119	2020-07-01	Active	Bernardine Quinn Riverside	Good	2	4			1	Willow, Weeping or Peking-Pendula	SALIX	BABYLONICA PEKINENSIS	2020-11-05	ssirotnak	43.62227834	-116.2322715
											454							

From:	Lance Davisson
To:	Christine Cole
Cc:	Mark McPherson
Subject:	Request for Early Action Status for Treasure Valley Canopy Network"s City Forest Credits application for credit verification -- Treasure Valley Parks Project
Date:	Monday, November 1, 2021 4:53:14 AM

Dear Ms. Cole and Mr. McPherson --

The Treasure Valley Canopy Network, as Project Operator for the Treasure Valley Municipal Parks Project, would like to request Early Action Status for our project, as outlined in City Forest Credits Tree Planting Protocol Version 9, dated 2/7/2021.

Our application for credit verification includes 504 trees planted within nine City of Boise parks between October 2016 and June 2021. This application is the product of discussions with City Forest Credits, City of Boise, and Treasure Valley Canopy Network that began since the inception of City Forest Credits Registry. All trees planted within these parks are part of a well-planned effort to pilot the efficacy of a Treasure Valley Program. The Treasure Valley Parks Project (TV Parks Project) represents a purposeful deliverable of the Treasure Valley Forest Carbon Assessment developed with The Nature Conservancy in Idaho and other regional partners. The TV Parks Project represents a key building block for a larger self-sustaining climate action program that will serve the mission of the Treasure Valley Canopy Network and the City of Boise's progressive Climate Action Plan. We appreciate the consideration of the Registry in granting this Early Action status to help us realize and grow our carbon mitigation and climate resilience strategies across the Treasure Valley.

Sincerely, Lance Davisson

--

Lance Davisson
President & Director, Treasure Valley Canopy Network

Phone: (208) 994-1135
E-mail: coordinator@tvcanopy.net

Signature: Lance Davisson
Lance Davisson (Dec 6, 2021 13:10 MST)

Email: coordinator@tvcanopy.net

CFC Planting Initial Credit PDD_TVCN_FINAL 20211206

Final Audit Report 2021-12-06

Created:	2021-12-06
By:	Christine Cole (christine@cityforestcredits.org)
Status:	Signed
Transaction ID:	CBJCHBCAABAA1-PTmjgt68nA1blsv5dlH6rlFBrES240

"CFC Planting Initial Credit PDD_TVCN_FINAL 20211206" History

Document created by Christine Cole (christine@cityforestcredits.org)
2021-12-06 - 8:00:22 PM GMT- IP address: 67.183.7.143

Document emailed to Lance Davisson (coordinator@tvcanopy.net) for signature
2021-12-06 - 8:01:18 PM GMT

Email viewed by Lance Davisson (coordinator@tvcanopy.net)
2021-12-06 - 8:10:16 PM GMT- IP address: 66.249.84.205

Document e-signed by Lance Davisson (coordinator@tvcanopy.net)
Signature Date: 2021-12-06 - 8:10:51 PM GMT - Time Source: server- IP address: 184.155.141.83

Agreement completed.
2021-12-06 - 8:10:51 PM GMT