City Forest Credits
Afforestation and Reforestation Project Application

1. Project Name
Central Texas Floodplain Reforestation Project 2024

2. Project Operator
Provide the name of organization/entity and contact information for the Project Lead

Organization/Entity: TreeFolks INC.
Address: P.O. Box 1395
City: Del Valle
State: Texas
Zip: 78617-1395
Contact(s): Marina Weikel, Valerie Tamburri, Andrew Smiley
Phone: 512-443-5323
Email: carbon@treefolks.org

3. Project Location
Project must be in or adjacent to one of the following. Describe which one of the criteria the project meets and provide name of city, town, or jurisdiction where project is located.

- *Urban Area or Urban Cluster boundary per U.S. Census Bureau*
- *Boundary of any incorporated or unincorporated city or town*
- *Boundary of any planning area for a regional metropolitan planning agency or entity*
- *Within the boundary of land owned, designated, and used by a municipal or quasi-municipal entity for source water or watershed protection*
- *Within a transportation or utility right of way through one of above*

The project meets the registration location requirements as its planting areas are entirely within the boundaries of two regional metropolitan planning entities: the Capital Areas Council of Governments (CAPCOG) and the Alamo Area Metropolitan Planning Organization (AAMPO).

The Capital Areas Council of Governments (CAPCOG) was formed as a voluntary organization pursuant to the Regional Planning Act of 1965. Its geographic boundaries are coextensive with the State of Texas Planning Region 12, which comprises the counties of Bastrop, Blanco, Burnet, Caldwell, Fayette, Hays, Lee, Llano, Travis, and Williamson.

Alamo Area Metropolitan Planning Organization (AAMPO), established under federal law, facilitates local input on transportation planning and the allocation of federal transportation funds for urban areas with populations over 50,000. Its jurisdiction includes Bexar, Comal, Guadalupe, and Kendall County.

The project comprises 21 sites (18 private and 3 public) in Central Texas, primarily within the Capital Area Council of Governments (CAPCOG) planning area. TreeFolks' Central Texas Floodplain

Reforestation Program currently serves seven of the ten counties in the CAPCOG jurisdiction, including Bastrop, Blanco, Burnet, Caldwell, Hays, Travis, and Williamson. 19 of the 21 sites included in this project are located entirely within the CAPCOG boundaries. The other sites are partially or wholly located within the Alamo Area Metropolitan Planning Organization (AAMPO).

Site 9 and Site 21 are the two project sites that include planting areas extending beyond the CAPCOG jurisdiction into the AAMPO district.

- Site 9 is located entirely within Guadalupe County, within the AAMCO jurisdiction.
- Site 21 is split between Hays and Comal Counties, straddling CAPCOG and AAMCO jurisdictions.

4. Project Description
Provide a short narrative of the overall project goals, location where trees will be planted, land ownership or eligibility to receive credits, approximate number of trees or acres, main tree species, and project timeframe.

TreeFolks' Central Texas Floodplain Reforestation Program (CTFRP) restores degraded riparian forest buffers along creeks, streams, and rivers within the 100-year floodplains of Central Texas. This program is a collaborative effort between the City of Austin Office of Sustainability, the City of Austin Watershed Protection Department, the City of Wimberley Parks and Recreation Department, and Texas Parks and Wildlife.

Through this project, 21 sites were reforested: 18 private sites and 3 public sites. All private landowners signed a deed covenant transferring rights to any carbon credits generated within the designated planting areas to TreeFolks. These deed covenants help prevent tree removal for the project's duration by imposing a reimbursement fee of up to $3,144/acre for any removals or intentional damage. All deed covenants have been filed with their respective County Clerk's Offices. Meanwhile, representatives from the three public sites signed an Agreement to Transfer Potential Credits to TreeFolks, which is not filed with a county clerk but still incurs the same penalty for tree removals.

Refer to *Table 1* on page 3 for a detailed breakdown of site locations and their public/private status.

This project includes sites for two consecutive planting seasons, beginning in February of 2024 and ending in December of 2024.

- Total: 91,141 trees planted on 121.42 acres
    - Season One: Feb 12 – 23, 2024 (Sites 1–14) 48,756 trees were planted on 54.58 acres
    - Season Two: Nov 2 – Dec 13, 2024 (Sites 15-21) 42,385 trees planted on 66.84 acres

Site	Nickname	Planting Completed	County	Parcel ID	Pub/Priv	Address	City	ZIP	Lat	Lon
1	[redacted]	2/13/2024	Travis	839211	Public	1425 Maier Dr	Pflugerville	78660	30.4131	-97.6390
2	[redacted]	2/15/2024	Bastrop	37484, 37420, 37268, 37236	Private	218 Kipahulu	Bastrop	78602	30.0777	-97.2775
3	[redacted]	2/14/2024	Travis	362061, 460240, 460228	Private	11247 Avering Ln	Austin	78754	30.3470	-97.6090
4	[redacted]	2/14/2024	Bastrop	75145	Private	112 Rattlesnake Hill Rd.	Elgin	78621	30.3934	-97.3490
5	[redacted]	2/16/2024	Hays	R20586	Private	4209 September Song Dr	Manchaca	78652	30.1461	-97.8899
6	[redacted]	2/16/2024	Hays	R20642	Private	256 Barton Ranch Rd	Dripping Springs	78620	30.2398	-98.0723
7	[redacted]	2/16/2024	Hays	R20646	Private	386 Barton Ranch Road	Dripping Springs	78620	30.2390	-98.0693
8	[redacted]	2/16/2024	Burnet	62995	Private	207 Waters Edge	Burnet	78611	30.7018	-98.4116
9	[redacted]	2/17/2024	Guadalupe	22252	Private	1300 Martindale Falls Rd.	Martindale	78655	29.8177	-97.8439
10	[redacted]	2/20/2024	Hays	R63473	Private	1200 GW Haschke Lane	Wimberley	78676	29.9847	-98.2055
11	[redacted]	2/20/2024	Hays	92042 & 52679	Public	1699 Mt Sharp Rd	Wimberley	78676	30.0342	-98.1278
12	[redacted]	2/22/2024	Hays	R15454	Private	5806 FM 32	Wimberley	78623	29.9431	-98.1680
13	[redacted]	2/17/2024	Hays	15461	Private	3451 Oak Run Dr	Wimberley	78676	29.9576	-98.1621
14	[redacted]	2/23/2024	Bastrop	113897	Private	1226 Old Hwy 20	McDade	78650	30.2539	-97.2136
15	[redacted]	12/3/2024	Caldwell	16055	Private	5220 Old McMahan Road	Lockhart	78644	29.8667	-97.5743
16	[redacted]	12/5/2024	Hays	R17465	Private	5840 Wayside Rd.	Fischer	78623	29.9692	-98.1974
17	[redacted]	12/13/2024	Williamson	R012293, R012295	Private	None	Florence	76527	30.8557	-97.6665
18	[redacted]	12/2/2024	Bastrop	47613	Private	122 Elbow Bnd	Elgin	78621	30.2448	-97.4402
19	[redacted]	12/5/2024	Burnet	120471	Private	TBD Park Rd 4	Burnet	78611	30.7497	-98.3676
20	[redacted]	12/3/2024	Travis	532901	Public	10500 Lindshire Ln	Austin	78748	30.1641	-97.8374
21	[redacted]	12/5/2024	Hays + Comal	R17451, 79368	Private	1661 John Knox Rd	Fischer	78623	29.9672	-98.1905

Table 1. *Descriptions of the planting sites and the properties on which they were planted.*

A total of 61 tree species were planted, with the ten species representing the largest proportions, shown in Table 2, comprising 36.96%.

Scientific Name	Common Name	CFC Status	# Planted	% of Total
Chilopsis linearis	Desert willow	BDM	**4,441**	4.87%
Fraxinus albicans	Texas ash	BDM	**4,184**	4.59%
Gleditsia triacanthos	Honey locust	BDL	**3,947**	4.33%
Ehretia anacua	Anacua or sandpaper tree	BEM	**3,665**	4.02%
Celtis laevigata	Sugar hackberry	BDL	**3,536**	3.88%
Quercus buckleyi	Texas red oak	BDM	**3,315**	3.64%
Quercus fusiformis	Escarpment live oak	BEL	**2,732**	3.00%
Acer negundo	Box elder maple	BDL	**2,697**	2.96%
Ungnadia speciosa	Mexican buckeye	BDS	**2,619**	2.87%
Maclura pomifera	Osage orange	BDM	**2,553**	2.80%

Table 2. *The 10 species comprising the highest percentages of the total planted*

5. Project Impacts

Provide a short narrative of the environmental, social, and health impacts this project will achieve. Examples include how the project addresses increased access to green spaces for under-resourced communities, flood control or watershed protection, benefits for human health and wellbeing, improved recreation opportunities, or protection of bird and wildlife habitat.

The trees planted through this reforestation project will enhance canopy cover and biodiversity in an ecosystem degraded for over a century due to farming, ranching, and other human activities through a process of assisted natural regeneration. Reestablishing riparian forest buffers throughout Central Texas provides numerous benefits, including watershed protection, erosion control, increased groundwater infiltration, stormwater filtration, regional cooling, and the creation of vital wildlife habitat. This project ensures the protection of planting areas for a minimum of 26 years through signed deed covenants from each property owner.

The reforestation effort also engages local community members and strengthens connections to the environment. It complements Austin's participation in the Biophilic Cities Network and the Children and Nature Collaborative while aligning with the city's broader green infrastructure initiatives. Reforesting these areas in and around the 100-year floodplain will create lasting ecological improvements within city limits and the broader area of Central Texas.

TreeFolks collaborated with professional planting crews and volunteers to plant native tree seedlings and grasses on each property. This project also supports the *Seed to Tree Partnership Working Group* and the TreeFolks Native Tree Nursery. The *Seed to Tree Partnership Working Group* is a partnership between TreeFolks, Central Texas Seed Savers, and the City of Austin's Watershed Protection Department. Through this initiative, volunteers receive free education through *Tree ID for Seed Savers Walks* and volunteer Nursery Work Days. Volunteers learn how to identify and collect woody seeds and are trained to do various aspects of tree nursery tasks, including seed cleaning, planting, soil mixing, building infrastructure, and other hands-on activities. Many seeds collected by volunteers from local tree populations are donated to TreeFolks to grow in our nursery. These trees are then planted or distributed through various TreeFolks projects, including the Central Texas Floodplain Reforestation Program, Ready, Set, Plant!, and NeighborWoods. For this project, the TreeFolks Nursery grew 7,892 seedlings, making up 8.66% of the total trees planted for Season Two of this project.

Reforestation services, including site consultations, trees, planting services, grass and wildflower seeds, and educational materials regarding best management practices in riparian zones, were provided at no cost to private landowners. In exchange, landowners allow TreeFolks to generate Carbon+ Credits, ensuring sustainable funding to help offset program costs and sustain ongoing reforestation efforts in Central Texas.

6. Planting Design and Quantification Method

Provide a short narrative about the planting design and quantification method you will use for the project. Refer to Protocol Appendix A for more detail.

- *Single Tree Quantification Method: trees planted in a dispersed or scattered design that are planted at least 16.5 feet apart (i.e. street trees). This method requires tracking of individual trees and tree survival for sampling and quantification.*
- *Clustered Quantification Method: trees planted at least 16.5 feet apart but are relatively contiguous and designed to create canopy over an area (i.e park-like settings). This method requires tracking change in canopy, not individual tree survival.*
- *Area Reforestation Quantification Method: tree planting areas greater than 5 acres and where many trees are planted closer than 16.5 feet. Higher tree mortality is expected and the goals are to create canopy and a forest ecosystem. Project Operators have several quantification models to choose from, all of which produce a carbon index on a per-acre basis.*

TreeFolks followed the Area Reforestation Quantification Method for this project. In total, 91,141 seedlings were planted on 121.42 acres. Planting densities varied slightly between Season One and Season Two plantings. The Season One sites were planted an average of 7' x 7' apart, and the Season Two plantings averaged 8.3' x 8.3' apart. A total of 61 tree species were planted through this project.

Season One also marked the first use of Groasis Waterboxxes within the CTFRP program. These water-catchment boxes were developed as an anti-desertification technology that slowly (and passively) provides water to seedling-sized trees, helping them establish their root systems for 6-18 months. The addition of "Growsafe Telescoprotexx Tubes" protects trees from extreme heat and browsing or grazing animals. *Table 3* details tree counts and the number of Groasis Waterboxxes used on each site for this project.

Site #	Date Planted	Acres	Groasis Boxes	Groasis Trees	Reg Trees	Total Trees
1	2/13/2024	10.02	0	0	13,184	13,184
2	2/15/2024	0.61	0	0	501	501
3	2/14/2024	3.36	0	0	2,741	2,741
4	2/14/2024	2.73	0	0	2,122	2,122
5	2/16/2024	0.65	0	0	501	501
6	2/16/2024	0.42	0	0	348	348
7	2/16/2024	0.29	0	0	247	247
8	2/16/2024	0.98	0	0	755	755
9	2/17/2024	5.94	0	0	4,801	4,801
10	2/20/2024	0.96	0	0	939	939
11	2/20/2024	2.20	250	500	1,436	1,936
12	2/22/2024	9.83	248	496	7,270	7,766
13	2/17/2024	0.82	0	0	867	867
14	2/23/2024	15.77	0	0	12,048	12,048
15	12/3/2024	2.35	85	85	1,393	1,478
16	12/5/2024	0.41	15	15	293	308
17	12/13/2024	38.64	996	996	23,144	24,140
18	12/2/2024	2.67	97	97	1,571	1,668
19	12/5/2024	2.40	87	87	1,528	1,615
20	12/3/2024	14.39	0	0	9,469	9,469
21	12/5/2024	5.98	216	216	3,491	3,707
						91,141

Table 3. Tree counts and number of Groasis Boxes at each site.

In Season One, the reforestation team piloted 498 Groasis boxes on two sites to

assess their impact on tree survival. TreeFolks found an average of 57% survival after 10 months, significantly improving from previous years, averaging 27% or less. In Season Two, TreeFolks scaled the use of Groasis boxes for ~3.5% of trees on most sites, totaling 1,496 boxes. We anticipate higher survival rates in Season Two, applying the lessons learned from the Season One pilot.

7. Additional Information

Provide additional information about your project. If the Project is part of a larger program or planting effort, include one sentence with more information. Examples include collaboration with other partners or how this project fits into a regional initiative.

Larger Program:

This project is part of the TreeFolks Central Texas Floodplain Reforestation Program. Since its inception in 2019 (originally known as the Travis County Floodplain Reforestation Program), TreeFolks has planted over 305,758 trees on 363.81 acres. This work advances TreeFolks' broader mission of empowering Central Texans to build stronger communities through planting and caring for trees.

Partnerships:

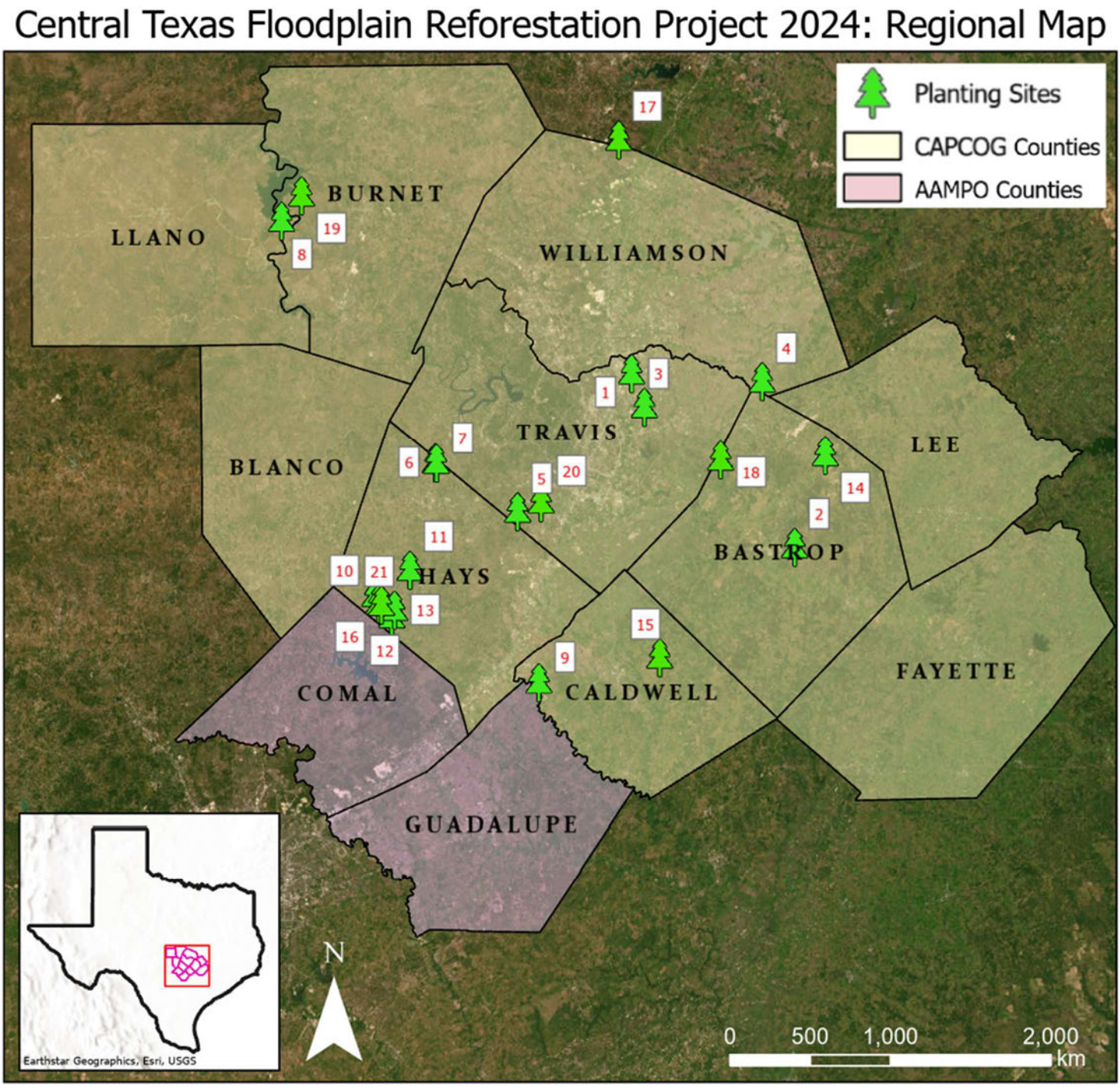
Strong partnerships with the City of Austin, Texas Parks and Wildlife, and Wimberley Parks and Recreation have supported the program consistently. We have secured multi-year funding from the City of Austin's Watershed Protection Department and multi-year grant funding from Texas Parks and Wildlife's Habitat and Angler Access Program. The City of Austin's Office of Sustainability continues to purchase carbon credits generated by this program, furthering the Austin Climate Equity Plan's goal of net-zero community-wide greenhouse gas emissions by 2040. This project also marks the continuation of public land plantings with the City of Austin's Watershed Protection Department. It also includes a site owned by the Hays County Parks, which has partnered with TreeFolks since 2015 through the Trees for the Blanco program, a former TreeFolks disaster recovery reforestation effort that worked with flood-affected homeowners to reforest stripped riparian buffers during a four-year period. In addition, it initiates a multi-year collaboration with the Hill Country Conservancy and an ongoing partnership with Circuit of the Americas LLC, both of which will help ensure sustained regional support and long-term project success.

Outreach:

Data from County Appraisal Districts helped guide site selection by identifying parcels with low canopy cover in riparian and floodplain areas. The TreeFolks reforestation team presented to regional partners and networking groups to raise awareness and engaged directly with local Parks and Recreation Departments and County Parks within the service area. Outreach included presentations or tabling at the International Society of Arboriculture Texas Chapter (ISAT), Arbor Day Foundation's Partners in Community Forestry conference, Texas Riparian Association, Goodwater, Bastrop, Capital Area, Hays, Caldwell, and Lost Pines Texas Master Naturalist Chapters, Hill Country Conservancy, Texas Forest Service, Rising Sun Vineyard, Hays County Watershed Association, UT Austin's Science Under the Stars, Lockhart State Park, the Elgin, San Marcos, and Martindale Parks and Recreation departments, Texas by Nature, the Village of Woodcreek, The Luling Foundation, the Clean Air Force, John Knox Ranch, and Partners in Community Forestry.

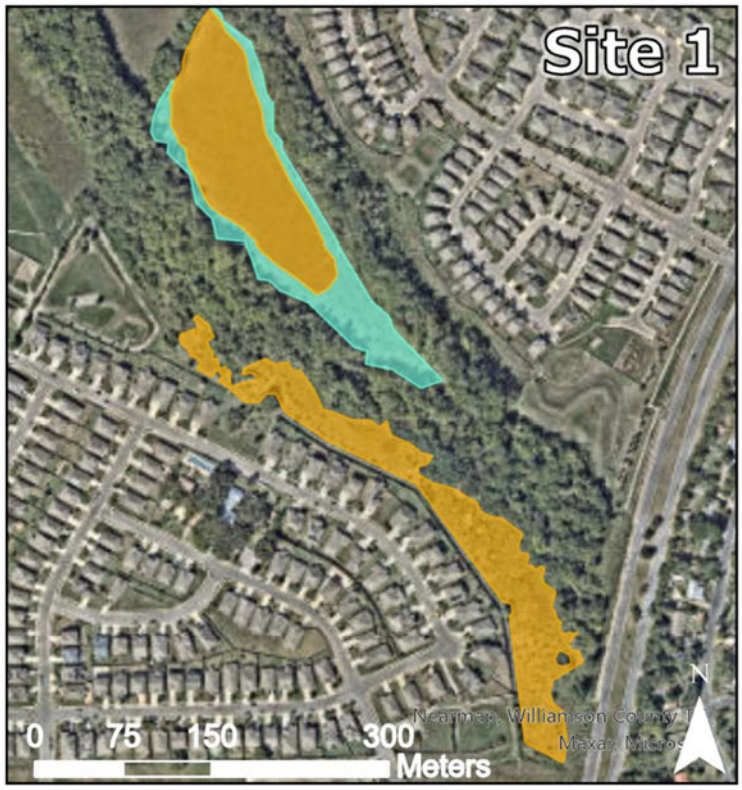
8. Map

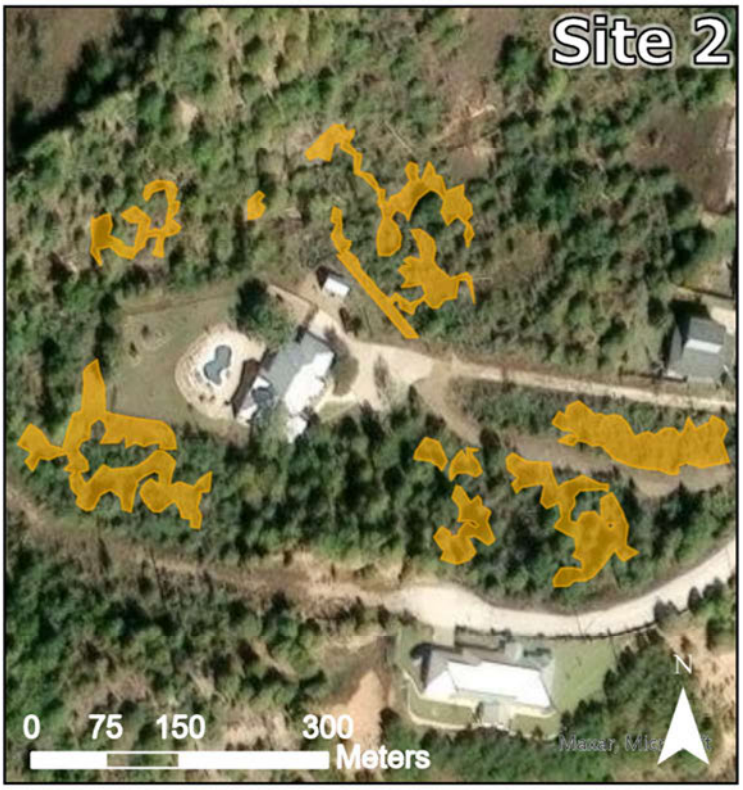
Provide a map of the Project Area.

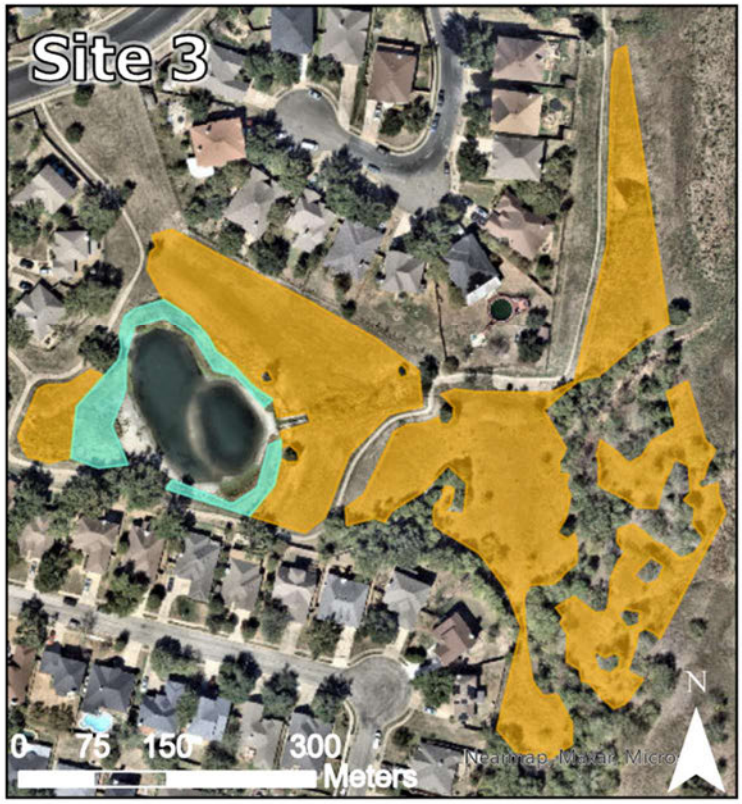


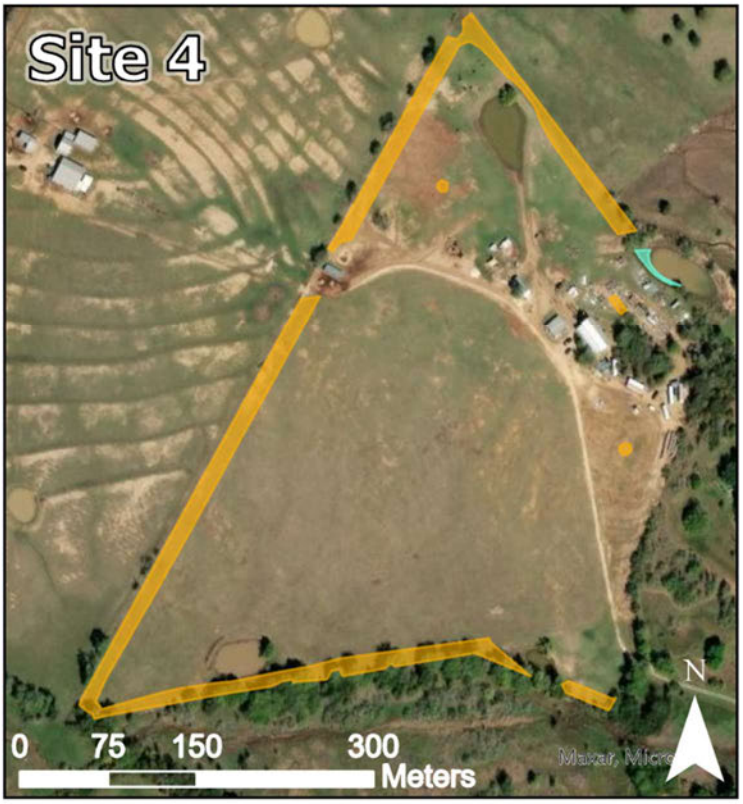
Central Texas Floodplain Reforestation Project 2024: Sites 1 - 4

Site Information					Upland		Wetland		Total	
Site #	Parcel ID	County	Ownership	Date Planted	Acres	Trees	Acres	Trees	Acres	Trees
1	839211	Travis	Public	2/13/2024	7.73	11,484	2.29	1,700	**10.02**	**13,184**
2	37484	Bastrop	Private	2/15/2024	0.61	501	-	-	**0.61**	**501**
3	362061	Travis	Private	2/14/2024	3.10	2,390	0.26	351	**3.36**	**2,741**
4	75145	Bastrop	Private	2/14/2024	2.70	2,081	0.03	41	**2.73**	**2,122**



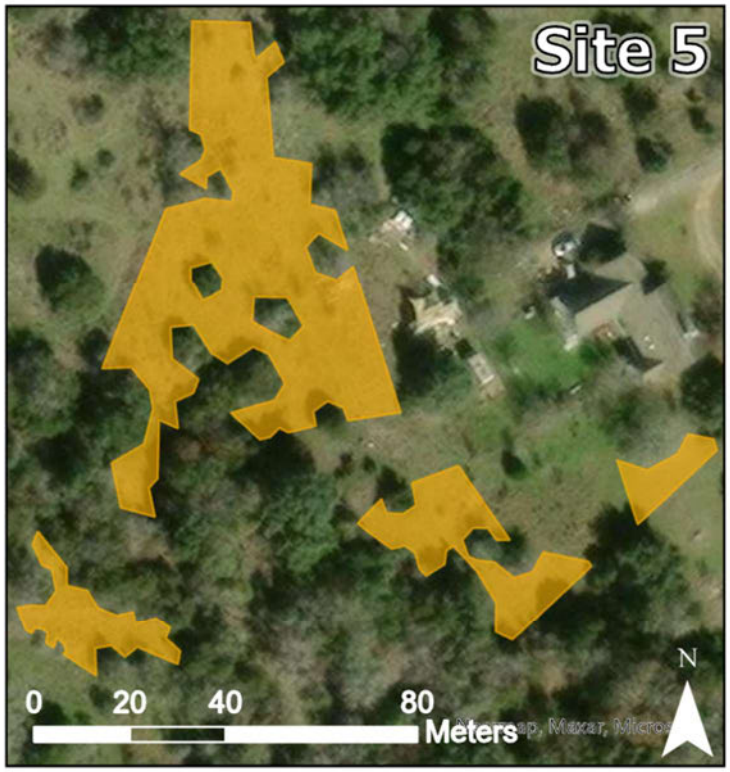


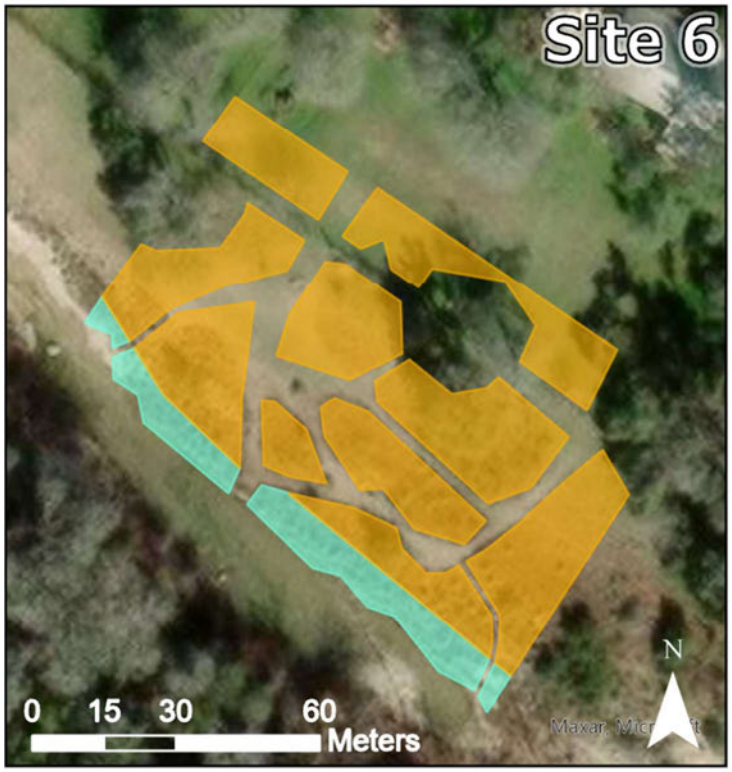


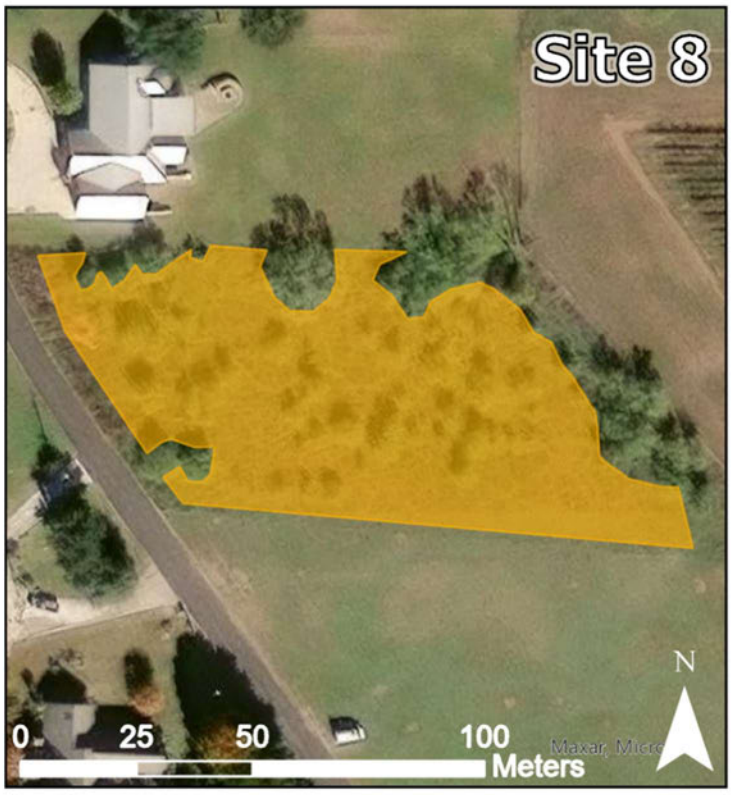


Central Texas Floodplain Reforestation Project 2024: Sites 5 - 8

Site Information					Upland		Wetland		Total	
Site #	Parcel ID	County	Ownership	Date Planted	Acres	Trees	Acres	Trees	Acres	Trees
5	20586	Hays	Private	2/16/2024	0.65	501	-	-	**0.65**	**501**
6	20642	Hays	Private	2/16/2024	0.36	267	0.06	81	**0.42**	**348**
7	20646	Hays	Private	2/16/2024	0.25	193	0.04	54	**0.29**	**247**
8	62995	Burnet	Private	2/16/2024	0.98	755	0.00	0	**0.98**	**755**

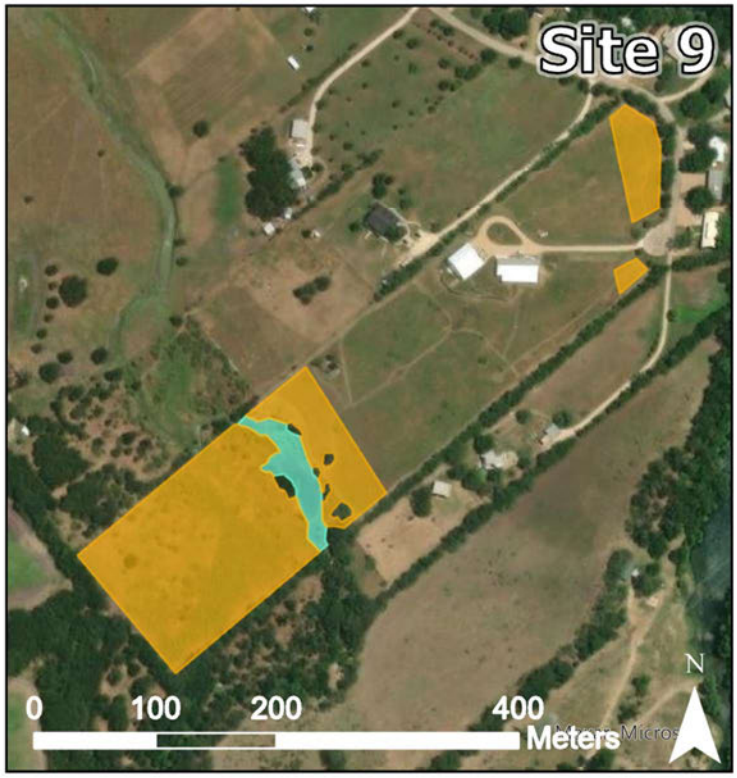


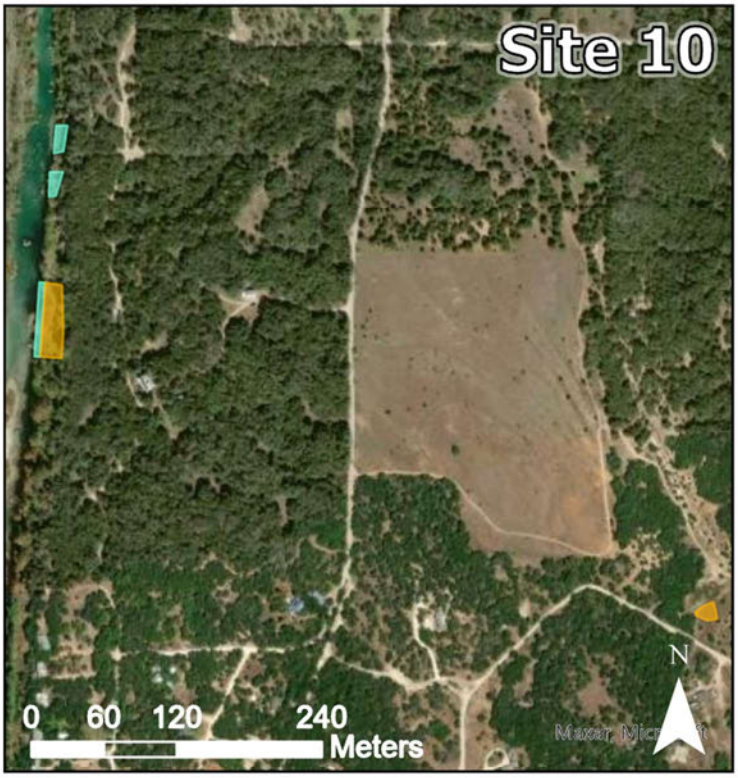


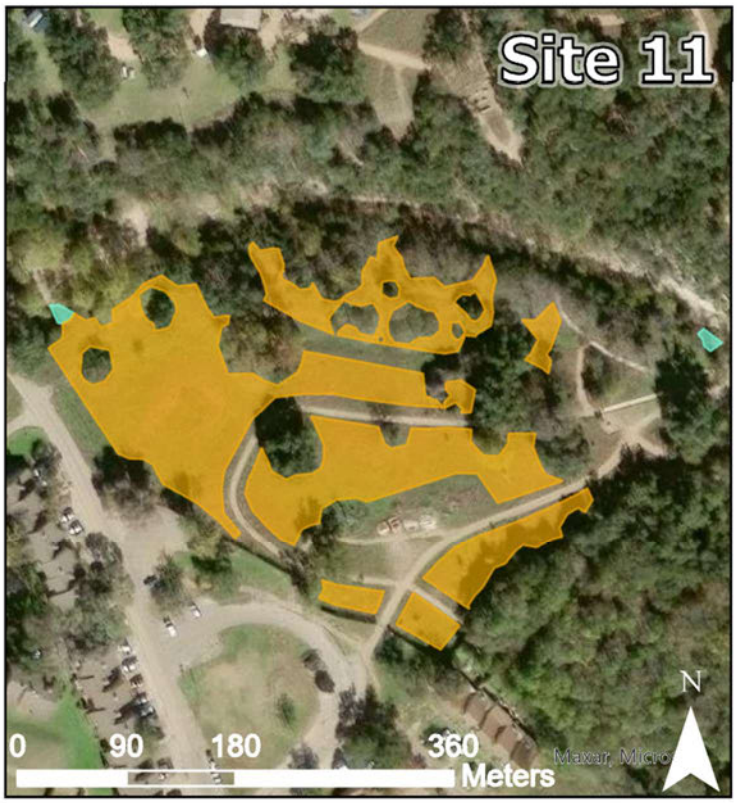


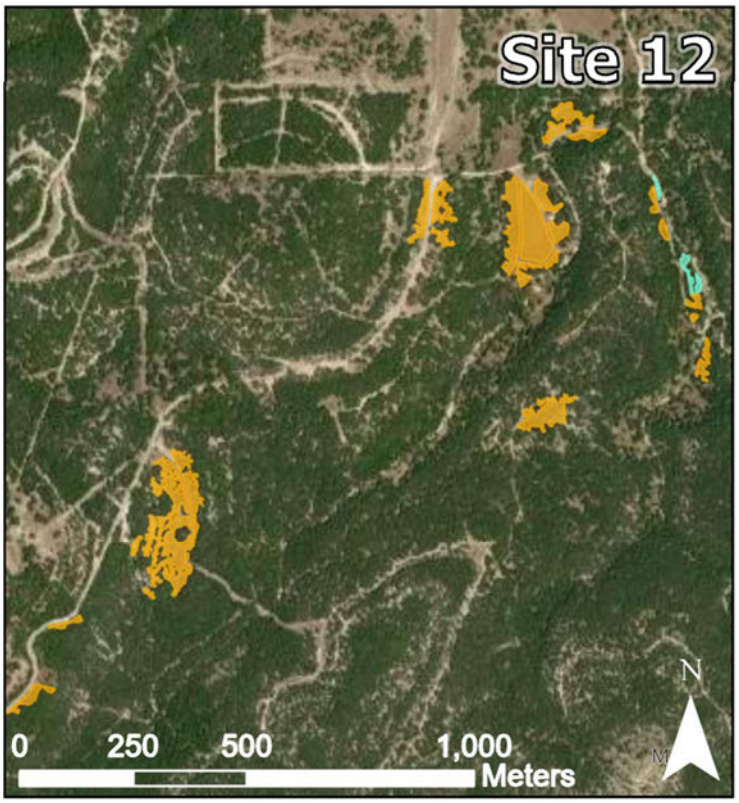
Central Texas Floodplain Reforestation Project 2024: Sites 9 - 12

Site Information					Upland		Wetland		Total	
Site #	Parcel ID	County	Ownership	Date Planted	Acres	Trees	Acres	Trees	Acres	Trees
9	22252	Guadalupe	Private	2/17/2024	5.48	4,179	0.46	622	**5.94**	**4,801**
10	63473	Hays	Private	2/20/2024	0.61	470	0.35	469	**0.96**	**939**
11	92042	Hays	Public	2/20/2024	2.18	1,909	0.02	27	**2.20**	**1,936**
12	15454	Hays	Private	2/22/2024	9.58	7,437	0.25	329	**9.83**	**7,766**



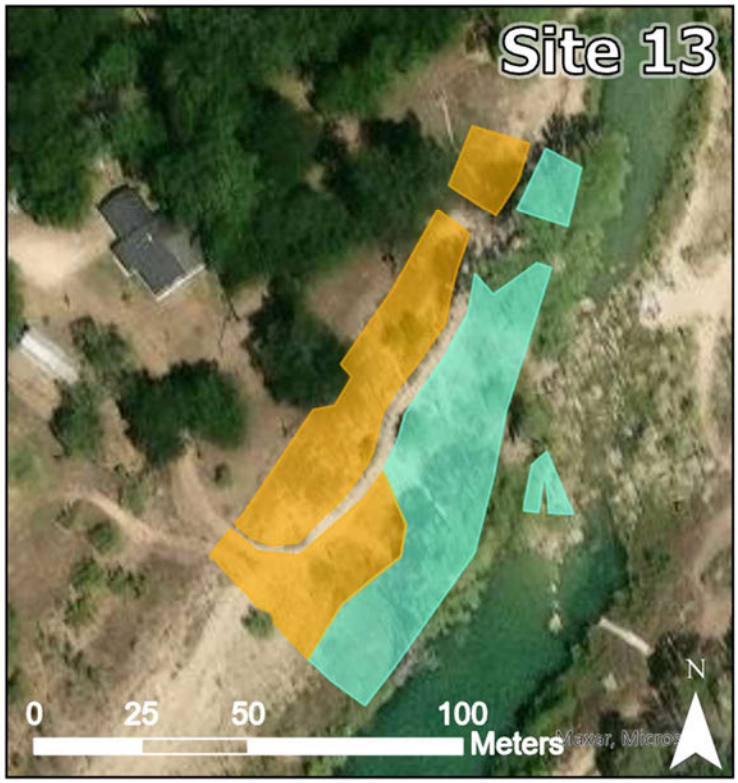


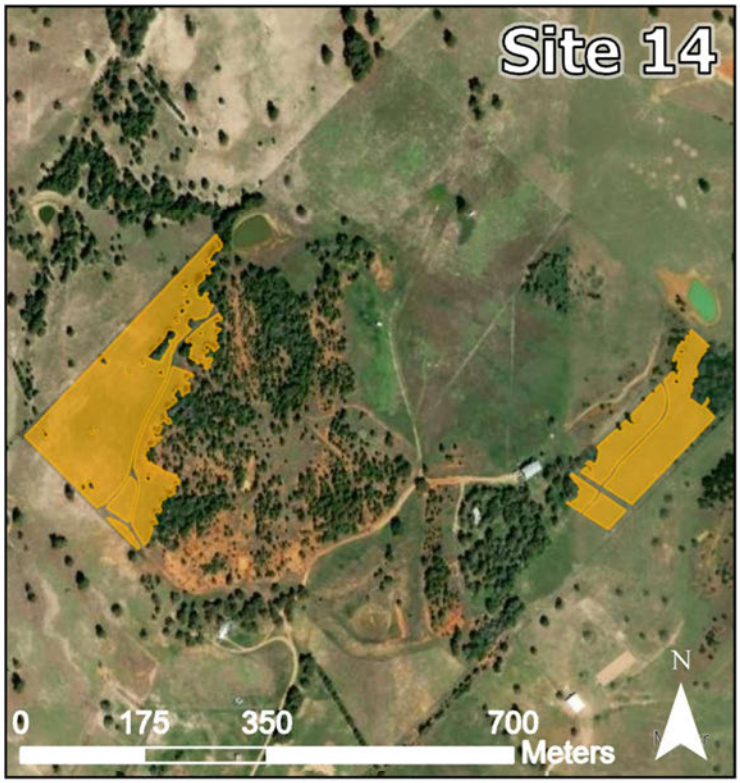


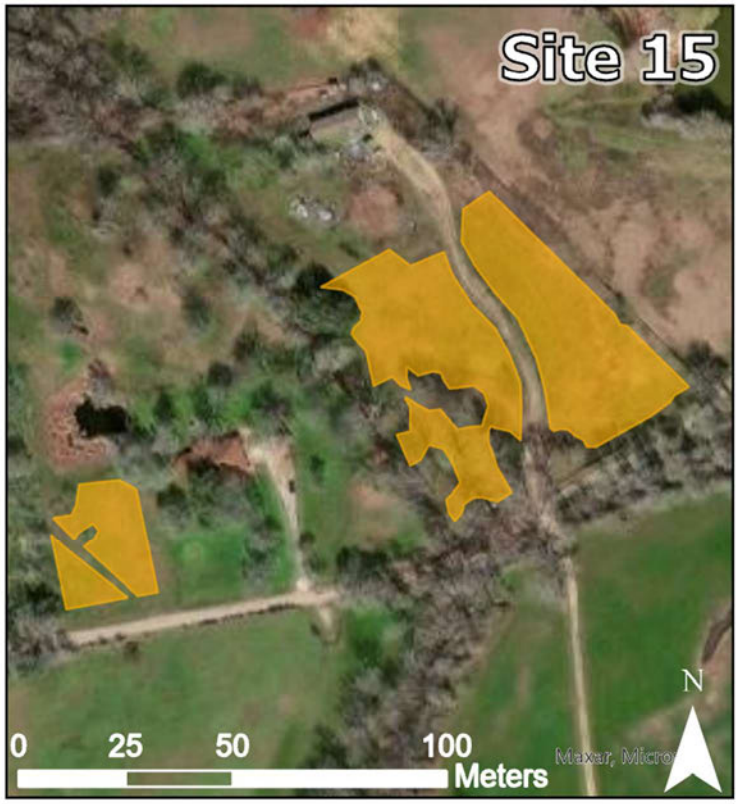


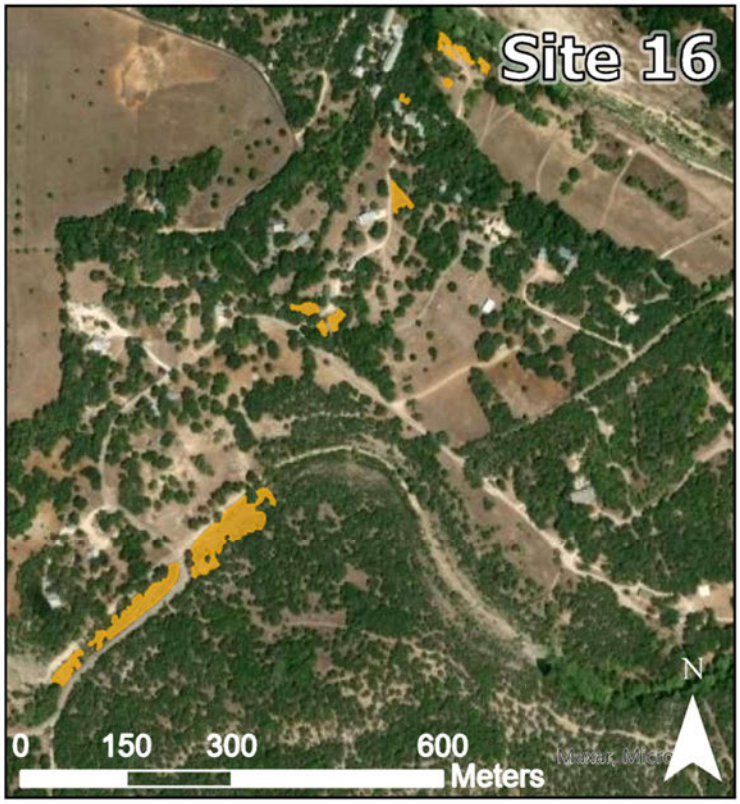
Central Texas Floodplain Reforestation Project 2024: Sites 13 - 16

Site Information					Upland		Wetland		Total	
Site #	Parcel ID	County	Ownership	Date Planted	Acres	Trees	Acres	Trees	Acres	Trees
13	15461	Hays	Private	2/17/2024	0.41	316	0.41	551	**0.82**	**867**
14	113897	Bastrop	Private	2/23/2024	15.77	12,048	-	-	**15.77**	**12,048**
15	16055	Caldwell	Private	12/3/2024	2.35	1,478	-	-	**2.35**	**1,478**
16	17465	Hays	Private	12/5/2024	0.41	308	-	-	**0.41**	**308**



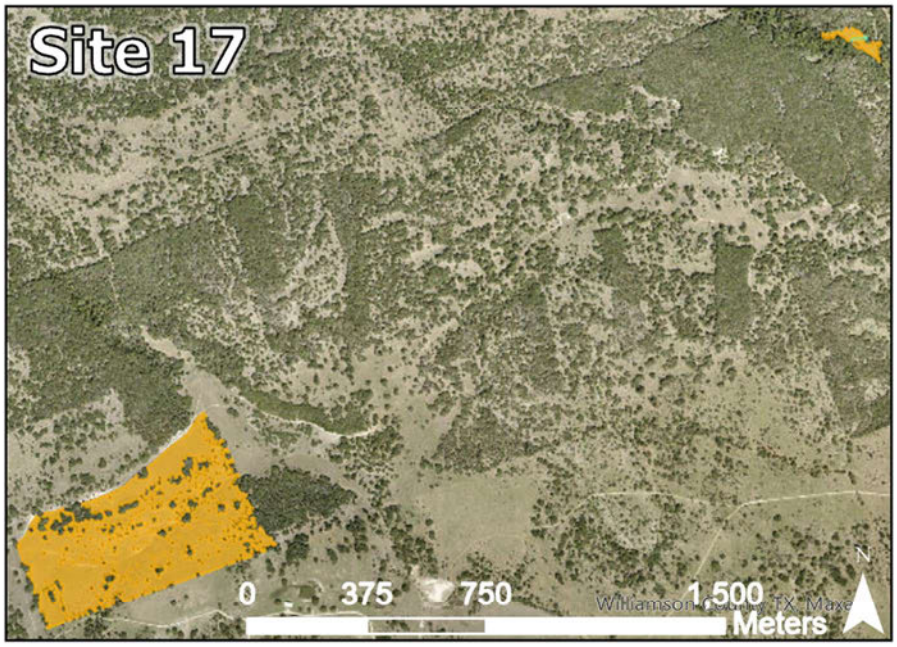


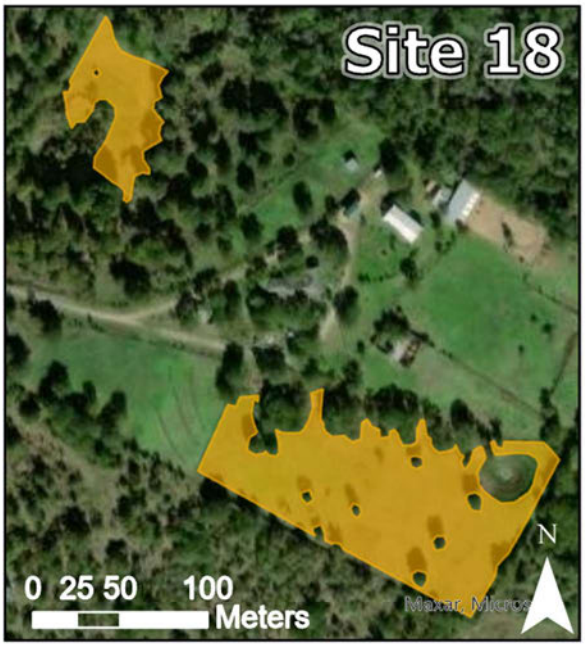


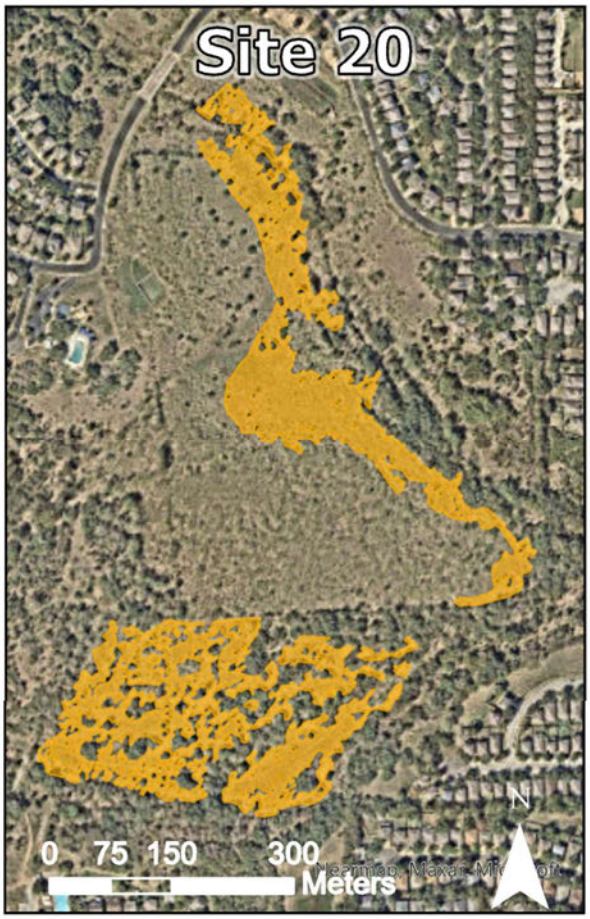


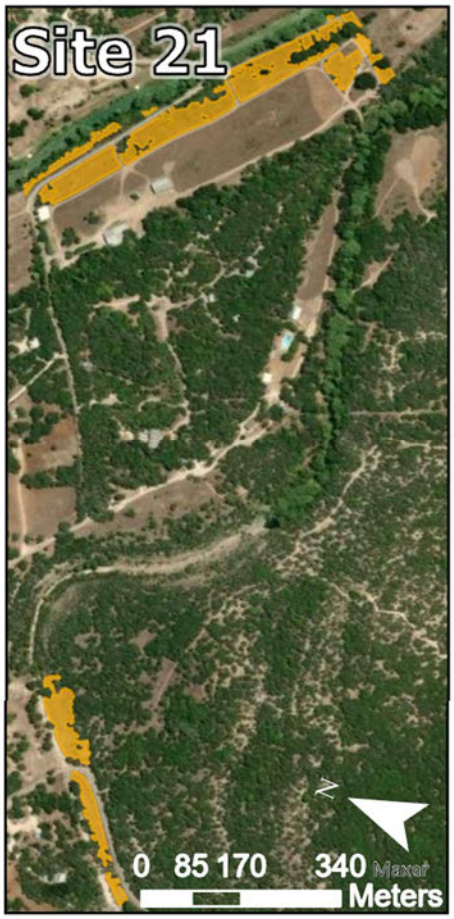
Central Texas Floodplain Reforestation Project 2024: Sites 17 - 21

Site Information					Upland		Wetland		Total	
Site #	Parcel ID	County	Ownership	Date Planted	Acres	Trees	Acres	Trees	Acres	Trees
17	12293	Willamson	Private	12/13/2024	38.54	23,997	0.10	143	**38.64**	**24,140**
18	47613	Bastrop	Private	12/2/2024	2.67	1,668	-	-	**2.67**	**1,668**
19	120471	Burnet	Private	12/5/2025	1.91	1,355	0.49	260	**2.40**	**1,615**
20	532901	Travis	Public	12/3/2024	14.39	9,469	-	-	**14.39**	**9,469**
21	17451	Hays	Private	12/5/2024	5.98	3,707	-	-	**5.98**	**3,707**

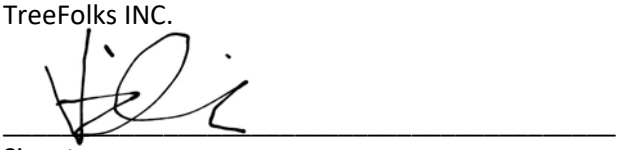








Signed on 19th of February in 2025, by Valerie Tamburri, Director of Reforestation and Lead Arborist, for TreeFolks INC.



Signature

Valerie Tamburri
Printed Name

+1 512-443-5323
Phone

valerie@treefolks.org
Email