

Hello My Name is

Good Evening, My name is Tatum Davis, I am an eleventh grader at Wimberley High School. I participate in Theater and UIL One Act Play at the high school. Outside of school I am in Girl Scouts and have been since second grade. I have also been gardening since second grade as part of the garden club at Jacob's Well Elementary and keep my family garden looking good. I am most interested in environmental science and conservation. I am looking at various colleges now that offer these types of education for my career. So when Becky reached out about creating the Monarch Waystation that was part of the park plans, I was absolutely ready to take on this project. As an Ambassador Girl Scout I chose to make this project my Gold Award project. For those that do not know, the Gold Award is the highest award a Girl Scout can earn. I plan to see this project through and making the Waystation a perfect addition to the new garden area at Augusta Park.





What is a Monarch Waystation?

A Monarch Waystation is a resting, nesting, and feeding place for the monarch butterflies on their migration south for winter. Monarchs feed off of pollen and nest on certain types of milkweed. Once they make it to the Oyamel Fir Forest they cluster to keep warm. It also helps the monarchs on their migration north for the spring. Wimberley happens to be in the path of the migration.



Augusta Park Waystation

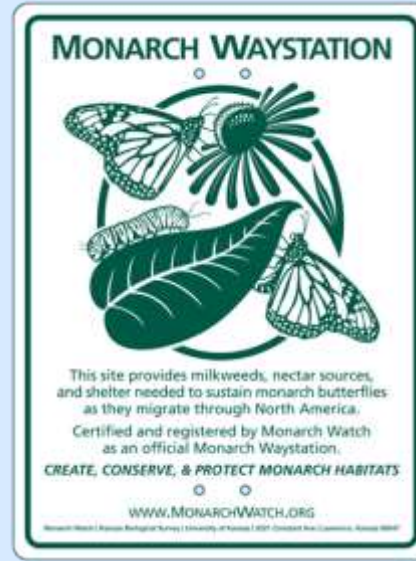
As part of my Gold Award project I am working closely with the Woodcreek Parks and Recreation Board members to ensure the Waystation is installed with all the proper regulations being followed within the city.

The plan is in addition to the beautification being done at Augusta Park, we are incorporating a section for a Monarch Waystation. It will be a 10x10 raised bed with native and hopefully deer resistant pollinator plants. Some of the pollinator plants we are planning to put in the garden include butterfly weed, antelope horn milkweed, lantana, and a few other pollinating attracting plants.



Education For All Visitors

Once the Waystation is registered we will get a certificate with the Waystation ID number for the city to have on record and a small sign to inform the public of the Waystation and the importance of it. If funding permits, I would also like to also incorporate a small interactive sign that shows the life cycle of the Monarch and small plant identification signs that also reveal the different pollinators each plant attracts.





CRANE PARK POLLINATOR GARDEN

Providing Habitat and Nectar Resources For Survival

Eastern Tiger Swallowtail
Papilio glaucus

Great Spangled Fritillary
Speyeria cybele

Hummer Blue
Archives

Painted Lady
Vanessa cardui

HOW YOU CAN HELP

Attract a lot of birds, bees, and butterflies to the garden by planting a variety of plants that provide nectar and shelter. Plants that are native to the area and provide nectar and shelter will help attract pollinators.



Monarch Butterfly
Danaus plexippus

Flowers that are native to the area are the best choice. The plants that are native to the area will also have the best chance of survival.



Flowering plants use fragrance and color to attract butterflies, moths, flies, bees, bats, and hummingbirds. Most of these pollinators come to drink nectar—the energy-packed sugary liquid flowers produce. The plant's pollen (powdery seed dust) rubs off onto the feet, wings, and bodies of pollinators as they drink. The pollen is moved from flower to flower, helping the plants to reproduce by making fruits and seeds.

POLLINATORS AT WORK

Many flowering plants have evolved over time to reflect the form and habits of their pollinators. Some pollinated plants are often trumpet or deep, with a lip or "landing pad." Some pollinated flowers tend to be bright and flat like tubular plants. Some require open flowers with more for their wings, and some require pollinators to be able to fly.



White-throated Sparrow Hawk
Spizella monticola



Monarch Butterfly
Danaus plexippus



Honey Bee
Apis mellifera



Golden Rosette Bee
Osmia lignaria



Monarch Hawkmoth
Xanthopan morgani praedicta



Monarch Hawkmoth
Xanthopan morgani praedicta



Monarch Hawkmoth
Xanthopan morgani praedicta



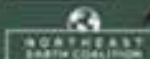
Monarch Hawkmoth
Xanthopan morgani praedicta



Monarch Hawkmoth
Xanthopan morgani praedicta



Monarch Hawkmoth
Xanthopan morgani praedicta



For more information on plants in pollinator gardens, visit www.northeastearthcoalition.org

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Black-eyed Susan
Rudbeckia hirta



Black-eyed Susan
Rudbeckia hirta



Black-eyed Susan
Rudbeckia hirta



Black-eyed Susan
Rudbeckia hirta



Monarch Hawkmoth
Xanthopan morgani praedicta



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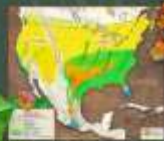
Photo: www.flickr.com/photos/...

MONARCH BUTTERFLY

A Life Cycle of Amazing Changes



MONARCH MIGRATION



MONARCH TREESIDE WINTERES

These silver-spotted monarchs hibernate along the roadside and in the woods. They are very hardy and can survive the winter by staying in a dormant state. They are found in the southern part of the country.



WINTER HOLLOWED BY WIND

Lack of food, moisture, and shelter in the winter can be a challenge for monarchs. They are often found in hollowed-out tree trunks where they can find shelter and food. They are often found in the southern part of the country.

POLLINATOR POCKETS

Providing Nectar & Resources For Survival

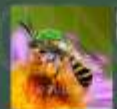


POLLINATORS AT WORK

Many flowering plants have evolved over time to reflect the form and habits of their pollinators. For pollinated plants are often irregular in shape, with a liquid "nectar pad". Some are pollinated by bees, which require open flowers with room for their wings, and hummingbirds and honeycreepers pollinate tubular flowers.



Honey Bee
Apis mellifera



Green Sweat Bee
Agriocera sp.



Bumblebee
Bombus sp.



Monarch Butterfly
Danaus plexippus



Monarch Butterfly
Danaus plexippus



Monarch Butterfly
Danaus plexippus



White-throated Sparrow
Spizella monticola



Monarch Butterfly
Danaus plexippus



Monarch Butterfly
Danaus plexippus



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Danaus plexippus



Monarch Butterfly
Danaus plexippus

Meadow plants are better at supporting our native pollinators than non-native plants. In the absence of native plants, many pollinators struggle to survive. Planting a pollinator pocket at your home is a great way to help. A pollinator pocket is a small group of plants that provide food and shelter to pollinators. In addition to nectar and pollen-rich plants, consider planting host plants to provide butterflies and moths with a place to lay their eggs.



Common Butterfly
Danaus plexippus



Monarch Butterfly
Danaus plexippus



Monarch Butterfly
Danaus plexippus



Monarch Butterfly
Danaus plexippus

Common Flower
Lonicera sp.
These flowers are excellent for bees and other pollinators. They are also a great source of nectar for monarch butterflies. They are found in the southern part of the country.

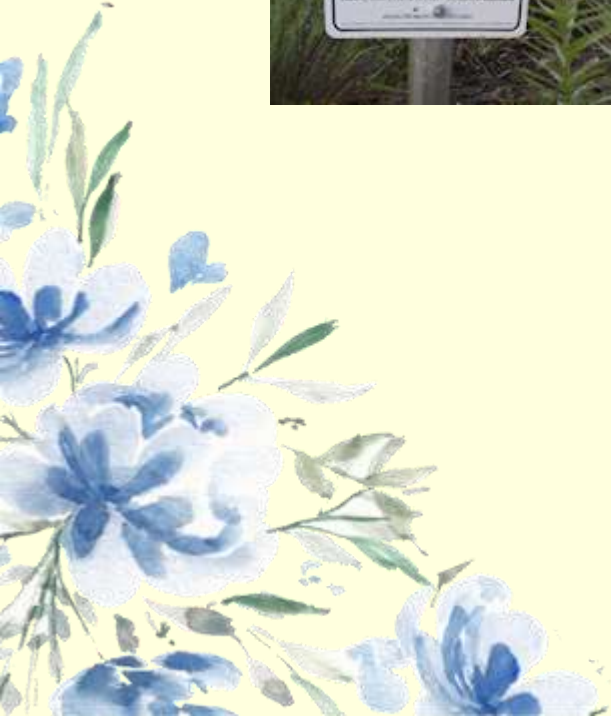


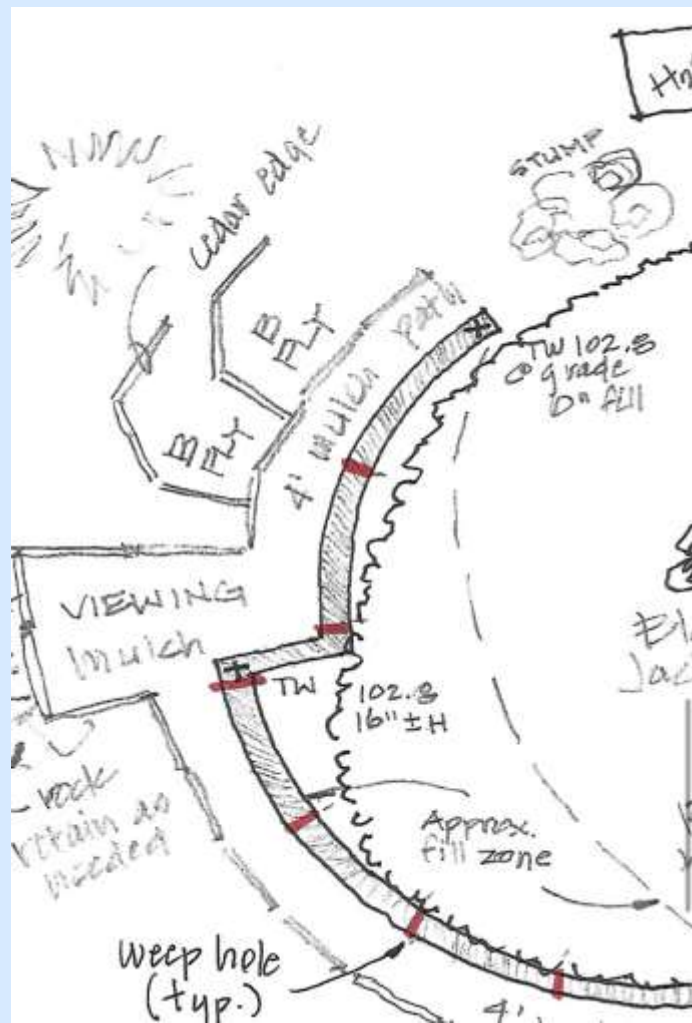
Common Flower
Lonicera sp.



Sustainability of the Waystation

I plan to continue working with the Woodcreek Parks and Recreation Board members and neighborhood volunteers for at least the first year to ensure the structure of the garden bed and the plants all establish and thrive. The placement of the Monarch Waystation has been decided based on the amount of sunshine and proximity to the rainwater collection tank that is being installed along with input from master naturalists and Native Plant Society of Texas.





Estimated Budget

Wood for border - donated (free)

Rebar/wire - \$30

Cardboard boxes - Recycled (free)

Mulch - from city (free)

Weed barrier - donated (free)

Soil - \$500 - getting addtl quotes

Plants - \$500 - getting addtl quotes

Waystation Sign - Free with Registration

Monarch Life Cycle Sign - waiting on quote

Plant Identification Signs - budget permitting

***Please note that part of the budget is from funds that I have earned through my Girl Scout Cookie and Fall Product sales. We have applied for grants, but did not get them for this project at this time. I will be looking for additional grants, discounts and coupons to help reduce any cost.



Rainbow's End
2023

Custom Garden Markers

LASER ENGRAVED WITH YOUR TEXT