## MAP KEY

A: Blue Palo Verde 1 B: Blue Palo Verde 2

C: Blue Palo Verde 3
D: Blue Palo Verde 4 E: Blue Palo Verde 5 F: Blue Palo Verde 6 G: Jojoba 1 H: Jojoba 2
I: Mountain Laurel 1

## J: Mountain Laurel 2

 K: Velvet Mesquite 1 L: Velvet Mesquite 2 M: Velvet Mesquite 3 N: Desert Willow 1

## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Dermatophyllum Secundiflorum
Nickname: Texas Mountain Laurel 1
Site: Mansfeld Platt Perimeter Walk

Location:


Leaves:


Flowers or Flower Buds:


Fruits:


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Dermatophyllum Secundiflorum
Nickname: Texas Mountain Laurel 2
Site: Mansfeld Platt Perimeter Walk

Location:


Leaves:


Flowers or Flower Buds:


Fruits:


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Chilopsis Linearis Nickname: Desert Willow 1
Site: Mansfeld Platt Perimeter Walk


Flowers or Flower Buds:


## Fruits:



## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 1
Site: Mansfeld Perimeter Walk

## Location:

Leaves:


Flowers or Flower Buds:


Fruits and Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 2
Site: Mansfeld Perimeter Walk
Location:
Leaves:


Flowers or Flower Buds:


Fruits and Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 3
Site: Mansfeld Perimeter Walk

## Location:

Leaves:


Flowers or Flower Buds:


Fruits and Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 4
Site: Mansfeld Perimeter Walk

## Location:

Leaves:


Flowers or Flower Buds:


Fruits and Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 5
Site: Mansfeld Perimeter Walk

## Location:

Leaves:


Flowers or Flower Buds:


Fruits and Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 6
Site: Mansfeld Perimeter Walk

## Location:

Leaves:


Flowers or Flower Buds:


Fruits and Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Prosopis Velutina Nickname: Velvet Mesquite 1
Site: Mansfeld Platt Perimeter Walk

Location:


Flowers or Flower Buds:


Fruits and Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Prosopis Velutina Nickname: Velvet Mesquite 2
Site: Mansfeld Platt Perimeter Walk

Location:


Flowers or Flower Buds:


Fruits and Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Prosopis Velutina Nickname: Velvet Mesquite 3
Site: Mansfeld Platt Perimeter Walk

Location:


Flowers or Flower Buds:


Fruits and Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Simmondsia Chinensis
Nickname: Jojoba 1
Site: Mansfeld Platt Perimeter Walk

Location:


Leaves:


Flowers or Flower Buds:


Fruits or Dried Fruits (Seed Pods):


## NATURE'S NOTEBOOK FIELD GUIDE GROUP NAME: MANSFELD PLATT PERIMETER WALK

Scientific Name: Simmondsia Chinensis
Nickname: Jojoba 2
Site: Mansfeld Platt Perimeter Walk

Location:


Leaves:


Flowers or Flower Buds:


Fruits or Dried Fruits (Seed Pods):

nature's,
Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 1
Site: Mansfeld Platt Perimeter Walk
$\qquad$ Date:


| Do you see ... | Phenophase |  |  | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Leaves? | Y | N | ? | Less than 5\% $50-74 \%$ | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Colored Leaves? <br> (brown or yellow) | Y | N | ? | Less than 5\% $50-74 \%$ | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Falling Leaves? | Y | N | ? |  |  |  |
| Flowers or Flower Buds? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Open Flowers? | Y | N | ? | Less than 5\% $50-74 \%$ | $5-24 \%$ <br> 75-94\% | $25-49 \%$ <br> 95\% or more |
| Fruits? (green or tan bean pod) | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ 10,000 ו |
| Ripe Fruits? <br> (tan bean pod) | Y | N | ? | Less than 5\% $50-74 \%$ | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |

$\qquad$ Date:
___

| Do you see ... | Phenophase |  |  | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y | N | ? | Less than 3 101-10,000 | $\begin{aligned} & 3-10 \\ & \text { More th } \end{aligned}$ | $\begin{array}{r} 11-100 \\ \text { han } 10,000 \end{array}$ |
| Leaves? | Y | N | ? | Less than 5\% $50-74 \%$ | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | 25-49\% <br> 95\% or more |
| Colored Leaves? <br> (brown or yellow) | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | 25-49\% <br> 95\% or more |
| Falling Leaves? | Y | N | ? |  |  |  |
| Flowers or Flower Buds? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More th |  |
| Open Flowers? | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} \hline 5-24 \% \\ 75-94 \% \end{gathered}$ | 25-49\% <br> 95\% or more |
| Fruits? (green or tan bean pod) | Y | N | ? | Less than 3 <br> 101-10,000 | $3-10$ <br> More th |  |
| Ripe Fruits? <br> (tan bean pod) | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More th |  |

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 2
Site: Mansfeld Platt Perimeter Walk
Observer: $\qquad$ Date: $\qquad$

| Do you see ... | Phenophase |  |  | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y |  | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Leaves? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Colored Leaves? <br> (brown or yellow) | Y | N | ? | Less than 5\% <br> 50-74\% | 5-24\% <br> 75-94\% | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Falling Leaves? | Y | N | ? |  |  |  |
| Flowers or Flower Buds? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Open Flowers? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Fruits? (green or tan bean pod) | Y | N | ? | Less than 3 $101-10,000$ | $3-10$ <br> More | $11-100$ <br> han 10,000 |
| Ripe Fruits? <br> (tan bean pod) | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | 11-100 <br> n 10,000 |



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Scientific Name: Parkinsonia Florida Nickname: Blue Palo Verde 2
Site: Mansfeld Platt Perimeter Walk
$\qquad$ Date: $\qquad$

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 3
Site: Mansfeld Platt Perimeter Walk
Observer: $\qquad$ Date: $\qquad$

| Do you see ... | Phenophase |  |  | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y |  | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Leaves? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Colored Leaves? <br> (brown or yellow) | Y | N | ? | Less than 5\% <br> 50-74\% | 5-24\% <br> 75-94\% | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Falling Leaves? | Y | N | ? |  |  |  |
| Flowers or Flower Buds? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Open Flowers? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Fruits? (green or tan bean pod) | Y | N | ? | Less than 3 $101-10,000$ | $3-10$ <br> More | $11-100$ <br> han 10,000 |
| Ripe Fruits? <br> (tan bean pod) | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | 11-100 <br> n 10,000 |

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Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 3
Site: Mansfeld Platt Perimeter Walk
$\qquad$ Date: $\qquad$

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 4
Site: Mansfeld Platt Perimeter Walk
Observer: $\qquad$ Date: $\qquad$

| Do you see ... | Phenophase |  |  | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y |  | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Leaves? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Colored Leaves? <br> (brown or yellow) | Y | N | ? | Less than 5\% <br> 50-74\% | 5-24\% <br> 75-94\% | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Falling Leaves? | Y | N | ? |  |  |  |
| Flowers or Flower Buds? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Open Flowers? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Fruits? (green or tan bean pod) | Y | N | ? | Less than 3 $101-10,000$ | $3-10$ <br> More | $11-100$ <br> han 10,000 |
| Ripe Fruits? <br> (tan bean pod) | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | 11-100 <br> n 10,000 |



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Scientific Name: Parkinsonia Florida Nickname: Blue Palo Verde 4
Site: Mansfeld Platt Perimeter Walk
$\qquad$ Date: $\qquad$

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 5
Site: Mansfeld Platt Perimeter Walk
Observer: $\qquad$ Date: $\qquad$

| Do you see ... | Phenophase |  |  | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y |  | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Leaves? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Colored Leaves? <br> (brown or yellow) | Y | N | ? | Less than 5\% <br> 50-74\% | 5-24\% <br> 75-94\% | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Falling Leaves? | Y | N | ? |  |  |  |
| Flowers or Flower Buds? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Open Flowers? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Fruits? (green or tan bean pod) | Y | N | ? | Less than 3 $101-10,000$ | $3-10$ <br> More | $11-100$ <br> han 10,000 |
| Ripe Fruits? <br> (tan bean pod) | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | 11-100 <br> n 10,000 |

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Scientific Name: Parkinsonia Florida Nickname: Blue Palo Verde 5
Site: Mansfeld Platt Perimeter Walk
$\qquad$ Date: $\qquad$

Scientific Name: Parkinsonia Florida
Nickname: Blue Palo Verde 6
Site: Mansfeld Platt Perimeter Walk
Observer: $\qquad$ Date: $\qquad$

| Do you see ... | Phenophase |  |  | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y |  | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Leaves? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Colored Leaves? <br> (brown or yellow) | Y | N | ? | Less than 5\% <br> 50-74\% | 5-24\% <br> 75-94\% | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Falling Leaves? | Y | N | ? |  |  |  |
| Flowers or Flower Buds? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Open Flowers? | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Fruits? (green or tan bean pod) | Y | N | ? | Less than 3 $101-10,000$ | $3-10$ <br> More | $11-100$ <br> han 10,000 |
| Ripe Fruits? <br> (tan bean pod) | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | 11-100 <br> n 10,000 |

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Scientific Name: Parkinsonia Florida Nickname: Blue Palo Verde 6
Site: Mansfeld Platt Perimeter Walk
$\qquad$ Date: $\qquad$

Scientific Name: Simmondsia Chinensis
nature's
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Nickname: Jojoba 1
Site: Mansfeld Platt Perimeter Walk

Date: $\qquad$
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Scientific Name: Simmondsia Chinensis Nickname: Jojoba 1
Site: Mansfeld Platt Perimeter Walk Date: $\qquad$ Observer: $\qquad$

| Do you see ... | Phenophase | What Value? |  |  |
| :--- | :---: | :--- | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y N ? | Less than 3 | $3-10$ | $11-100$ |
| Flowers or Flower <br> Buds? |  |  | Y N ? |  |

Scientific Name: Simmondsia Chinensis
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A project of the USA-NPN
Nickname: Jojoba 2
Site: Mansfeld Platt Perimeter Walk

Date: $\qquad$
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Scientific Name: Simmondsia Chinensis Nickname: Jojoba 2
Site: Mansfeld Platt Perimeter Walk Date: $\qquad$
Observer: $\qquad$ Observer: $\qquad$

| Do you see ... | Phenophase | What Value? |  |
| :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y N ? | Less than 3 101-10,000 | $3-10 \quad 11-100$ <br> More than 10,000 |
| Flowers or Flower Buds? | Y N ? | Less than 3 101-10,000 | $3-10 \quad 11-100$ <br> More than 10,000 |
| Open Flowers? | Y N ? | Less than 5\% <br> 50-74\% | $\begin{array}{rl} \hline 5-24 \% & 25-49 \% \\ 75-94 \% & 95 \% \text { or more } \end{array}$ |
| Fruits? <br> (seed has changed from green to brown) | Y N ? | Less than 3 $101-10,000$ | $3-10 \quad 11-100$ <br> More than 10,000 |
| Ripe Fruits? <br> (seed has turned light brown or red/brown) | Y N ? | Less than 5\% 50-74\% | $\begin{array}{rl} 5-24 \% & 25-49 \% \\ 75-94 \% & 95 \% \text { or more } \end{array}$ |
| Fruits or seeds on the ground? | Y N ? | Less than 3 $101-10,000$ | $3-10 \quad 11-100$ <br> More than 10,000 |


| Do you see ... | Phenophase | What Value? |  |  |
| :--- | :---: | :--- | :--- | :--- |
| Young Leaves? <br> (small, just unfolding) | Y N ? | Less than 3 | $3-10$ | $11-100$ |
| Flowers or Flower <br> Buds? |  |  | Y N ? |  |

Scientific Name: Dermatophyllum Secundiflorum
Scientific Name: Dermatophyllum Secundiflorum
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Nickname: Mountain Laurel 1
Site: Mansfeld Platt Perimeter Walk
Date: $\qquad$
Observer: $\qquad$
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A project of the USA-NPM

Nickname: Mountain Laurel 1
Site: Mansfeld Platt Perimeter Walk
Date: $\qquad$
Observer: $\qquad$


| Do you see ... | Phenophase | What Value? |  |
| :---: | :---: | :---: | :---: |
| Breaking Leaf Buds? <br> (green leaf tip is emerging from branch) | $Y \mathrm{~N}$ ? | Less than 3 $101-10,000$ | $3-10 \quad 11-100$ <br> More than 10,000 |
| Young Leaves? <br> (small, just unfolding) | Y N ? | Less than 3 101-10,000 | $3-10 \quad 11-100$ <br> More than 10,000 |
| Flowers or Flower Buds? | Y N ? | Less than 3 101-10,000 | $3-10 \quad 11-100$ <br> More than 10,000 |
| Open Flowers? | Y N ? | Less than 5\% 50-74\% | $\begin{array}{rl} 5-24 \% & 25-49 \% \\ 75-94 \% & 95 \% \text { or more } \end{array}$ |
| Fruits? <br> (brown pods) | Y N ? | Less than 3 $101-10,000$ | $3-10 \quad 11-100$ <br> More than 10,000 |
| Ripe Fruits? <br> (brown pod has split open to show seeds) | $Y \mathrm{~N}$ ? | Less than 5\% 50-74\% | $\begin{array}{rl} 5-24 \% & 25-49 \% \\ 75-94 \% & 95 \% \text { or more } \end{array}$ |
| Fruits or seeds on the ground? | Y N ? | Less than 3 101-10,000 | $3-10 \quad 11-100$ <br> More than 10,000 |

Scientific Name: Dermatophyllum Secundiflorum
Scientific Name: Dermatophyllum Secundiflorum
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A project of the USA.NPI

Nickname: Mountain Laurel 2
Site: Mansfeld Platt Perimeter Walk
Date: $\qquad$
Observer: $\qquad$

| Do you see ... | Phenophase | What Value? |
| :---: | :---: | :---: |
| Breaking Leaf Buds? <br> (green leaf tip is emerging from branch) | $Y \mathrm{~N}$ ? | Less than 3 $3-10$ $11-100$ <br> $101-10,000$ More than 10,000  |
| Young Leaves? <br> (small, just unfolding) | $Y \mathrm{~N}$ ? | Less than 3 $3-10$ $11-100$ <br> $101-10,000$ More than 10,000  |
| Flowers or Flower Buds? | Y N ? | Less than 3 $3-10$ $11-100$ <br> $101-10,000$ More than 10,000  |
| Open Flowers? | $Y \mathrm{~N}$ ? | $\begin{array}{lll}\text { Less than 5\% } & 5-24 \% & 25-49 \% \\ 50-74 \% & 75-94 \% & 95 \% \text { or more }\end{array}$ |
| Fruits? <br> (brown pods) | $Y \mathrm{~N}$ ? | Less than 3 $3-10$ $11-100$ <br> $101-10,000$ More than 10,000  |
| Ripe Fruits? <br> (brown pod has split open to show seeds) | $Y \mathrm{~N}$ ? | $\begin{array}{lll}\text { Less than } 5 \% & 5-24 \% & 25-49 \% \\ 50-74 \% & 75-94 \% & 95 \% \text { or more }\end{array}$ |
| Fruits or seeds on the ground? | $Y \mathrm{~N}$ ? | Less than 3 $3-10$ $11-100$ <br> $101-10,000$ More than 10,000  |


| Do you see ... | Phenophase | What Value? |
| :---: | :---: | :---: |
| Breaking Leaf Buds? <br> (green leaf tip is emerging from branch) | Y N ? | Less than 3 $3-10$ $11-100$ <br> $101-10,000$ More than 10,000  |
| Young Leaves? <br> (small, just unfolding) | Y N ? | Less than 3 $3-10$ $11-100$ <br> $101-10,000$ More than 10,000  |
| Flowers or Flower Buds? | Y N ? | Less than 3 $3-10$ $11-100$ <br> $101-10,000$ More than 10,000  |
| Open Flowers? | $Y \mathrm{~N}$ ? | $\begin{array}{lll}\text { Less than 5\% } & 5-24 \% & 25-49 \% \\ 50-74 \% & 75-94 \% & 95 \% \text { or more }\end{array}$ |
| Fruits? <br> (brown pods) | Y N ? | Less than 3 $3-10$ $11-100$ <br> $101-10,000$ More than 10,000  |
| Ripe Fruits? <br> (brown pod has split open to show seeds) | Y N ? | Less than 5\% 5-24\% 25-49\% <br> 50-74\% 75-94\% 95\% or more |
| Fruits or seeds on the ground? | Y N ? | Less than 3 $3-10$ $11-100$ <br> 101-10,000 More than 10,000  |

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Scientific Name: Prosopis Velutina
Site: Mansfeld Platt Perimeter Walk Date: $\qquad$
$\qquad$
notebook

| Do you see ... | Phenophase |  |  | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> han 10,000 |
| Leaves? | Y | N | ? | Less than 5\% 50-74\% | $5-24 \%$ <br> 75-94\% | $25-49 \%$ <br> 95\% or more |
| Colored Leaves? <br> (brown or yellow) | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Falling Leaves? | Y | N | ? |  |  |  |
| Flowers or Flower Buds? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Open Flowers? | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Pollen? (shake tree; yellow pollen?) | Y | $N$ | ? | Little | Some | Lots |
| Fruits? (green or tan bean pod) | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> han 10,000 |
| Ripe Fruits? <br> (tan bean pod) | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y | N |  | Less than 3 | $3-10$ | $11-100$ |

Scientific Name: Prosopis Velutina Site: Mansfeld Platt Perimeter Walk

Nickname: Velvet Mesquite 1

Observer:

natu'e's
Scientific Name: Prosopis Velutina
Site: Mansfeld Platt Perimeter Walk Date: $\qquad$
$\qquad$
notebook

| Do you see ... | Phenophase |  |  | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> han 10,000 |
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| Colored Leaves? <br> (brown or yellow) | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Falling Leaves? | Y | N | ? |  |  |  |
| Flowers or Flower Buds? | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> 10,000 |
| Open Flowers? | Y | N | ? | Less than 5\% <br> 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $\begin{aligned} & 25-49 \% \\ & 95 \% \text { or more } \end{aligned}$ |
| Pollen? (shake tree; yellow pollen?) | Y | $N$ | ? | Little | Some | Lots |
| Fruits? (green or tan bean pod) | Y | N | ? | Less than 3 101-10,000 | $3-10$ <br> More | $11-100$ <br> han 10,000 |
| Ripe Fruits? <br> (tan bean pod) | Y | N | ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y | N |  | Less than 3 | $3-10$ | $11-100$ |


| Do you see ... | Phenophase | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y N ? | Less than 3 101-10,000 | $3-10$ <br> More t | $11-100$ <br> an 10,000 |
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| Falling Leaves? | Y N ? |  |  |  |
| Flowers or Flower Buds? | Y N ? | Less than 3 101-10,000 | $3-10$ <br> More | $\begin{array}{r} 11-100 \\ \text { nan } 10,000 \end{array}$ |
| Open Flowers? | Y N ? | Less than 5\% <br> 50-74\% | 5-24\% <br> 75-94\% | $25-49 \%$ <br> 95\% or more |
| Pollen? (shake tree; yellow pollen?) | Y N ? | Little | Some | Lots |
| Fruits? (green or tan bean pod) | Y N ? | Less than 3 101-10,000 | $3-10$ <br> More | $\begin{array}{r} 11-100 \\ \tan 10,000 \end{array}$ |
| Ripe Fruits? <br> (tan bean pod) | Y N ? | Less than 5\% 50-74\% | 5-24\% <br> 75-94\% | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y N ? | Less than 3 | 3-10 | 11-100 |

natu'e's
Scientific Name: Prosopis Velutina
Site: Mansfeld Platt Perimeter Walk notebook

Scientific Name: Prosopis Velutina
Nickname: Velvet Mesquite 3
$\qquad$
$\qquad$ Observer:

| Do you see ... | Phenophase | Circle the Value |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y N ? | Less than 3 101-10,000 | $3-10$ <br> More t | $11-100$ <br> an 10,000 |
| Leaves? | Y N ? | Less than 5\% 50-74\% | $\begin{gathered} 5-24 \% \\ 75-94 \% \end{gathered}$ | 25-49\% <br> 95\% or more |
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| Falling Leaves? | Y N ? |  |  |  |
| Flowers or Flower Buds? | Y N ? | Less than 3 101-10,000 | $3-10$ <br> More | $\begin{array}{r} 11-100 \\ \text { nan } 10,000 \end{array}$ |
| Open Flowers? | Y N ? | Less than 5\% <br> 50-74\% | 5-24\% <br> 75-94\% | $25-49 \%$ <br> 95\% or more |
| Pollen? (shake tree; yellow pollen?) | Y N ? | Little | Some | Lots |
| Fruits? (green or tan bean pod) | Y N ? | Less than 3 101-10,000 | $3-10$ <br> More | $\begin{array}{r} 11-100 \\ \tan 10,000 \end{array}$ |
| Ripe Fruits? <br> (tan bean pod) | Y N ? | Less than 5\% 50-74\% | 5-24\% <br> 75-94\% | $25-49 \%$ <br> 95\% or more |
| Fruits or Seeds on the ground? | Y N ? | Less than 3 | 3-10 | 11-100 |

Scientific Name: Chilopsis Linearis
Scientific Name: Chilopsis Linearis

Nickname: Desert Willow 1
Site: Mansfeld Platt Perimeter Walk
Observer: $\qquad$ Date:


#### Abstract

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nature's
notebook

| Phenophase | Circle the Value |
| :--- | :--- |



Nickname: Desert Willow 1
Site: Mansfeld Platt Perimeter Walk
Observer: $\qquad$ Date: $\qquad$

| Do you see ... | Phenophase | Circle the Value |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Young Leaves? <br> (small, just unfolding) | Y | N | $?$ | Less than 3 | $3-10$ | $11-100$ |

