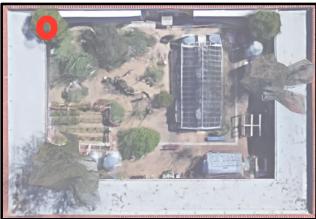


Scientific Name: Parkinsonia Praecox Nickname: Palo Brea Tree Site: Manzo Ecology Courtyard

#### Location:



Flowers or Flower Buds:

Leaves:





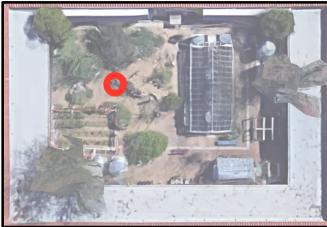
Fruits and Dried Fruits (Seed Pods):



Scientific Name: Fouquieria Splendens Nickname: Ocotillo 1 Site: Manzo Ecology Courtyard

#### Location:

Leaves:





Flowers and Flower Buds:

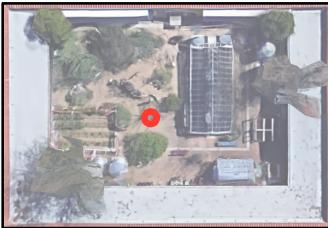




Scientific Name: Fouquieria Splendens Nickname: Ocotillo 2 Site: Manzo Ecology Courtyard

#### Location:

Leaves:





Flowers and Flower Buds:





Scientific Name: Ferocactus Wislizeni Nickname: Fishhook Barrel Cactus 1 Site: Manzo Ecology Courtyard

#### Location:



Leaves (Spines):



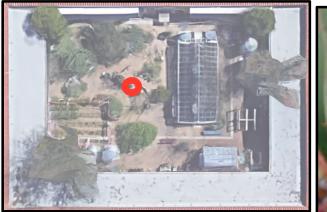




Scientific Name: Ferocactus Wislizeni Nickname: Fishhook Barrel Cactus 2 Site: Manzo Ecology Courtyard

#### Location:

Leaves (Spines):



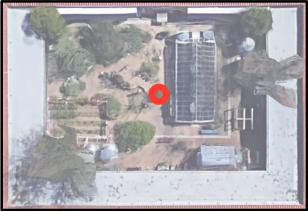
**Flowers and Flower Buds:** 





Scientific Name: Larrea Tridentata Nickname: Creosote Bush 1 Site: Manzo Ecology Courtyard

#### Location:



Flowers and Flower Buds:

C;Walter Feller - DigitalDesert.NET

Fruits:



Leaves:



Scientific Name: Larrea Tridentata Nickname: Creosote Bush 2 Site: Manzo Ecology Courtyard

#### Location:



Flowers and Flower Buds:

(c)Walter Feller - DigitalDesert.NET

Fruits:



Leaves:



Scientific Name: Fortunella Nickname: Kumquat Site: Manzo Ecology Courtyard

#### Location:

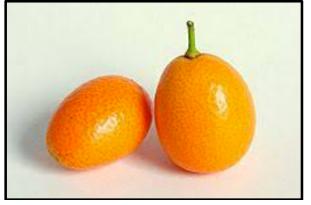


Flowers or Flower Buds:



Leaves:







Scientific Name: Parkinsonia Praecox

Nickname: Palo Brea Tree

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_\_

Observer: \_\_\_\_\_

Do you see	Phenopha	ase	Circle the Value
Young Leaves?		•	Less than 3 3-10 11-100
(small, just unfolding)	YN	?	101-10,000 More than 10,000
Leaves?			Less than 5% 5-24% 25-49%
	YN	?	50-74% 75-94% 95% or more
Colored Leaves?			Less than 5% 5-24% 25-49%
(brown or yellow)	YN	?	50-74% 75-94% 95% or more
Falling Leaves?	YN	?	
Flowers or Flower			Less than 3 3-10 11-100
Buds?	YN	?	101-10,000 More than 10,000
Open Flowers?			Less than 5% 5-24% 25-49%
	YN	?	50-74% 75-94% 95% or more
Fruits? (green or tan			Less than 3 3-10 11-100
bean pod)	YN	?	101-10,000 More than 10,000
Ripe Fruits?			Less than 5% 5-24% 25-49%
(tan bean pod)	YN	?	50-74% 75-94% 95% or more
Fruits or Seeds on			Less than 3 3-10 11-100
the ground?	YN	?	101-10,000 More than 10,000



Scientific Name: Parkinsonia Praecox

Nickname: Palo Brea Tree

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Do you see	Phenophase	Circle the Value
Young Leaves?		Less than 3 3-10 11-100
(small, just unfolding)	YN?	101-10,000 More than 10,000
Leaves?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Colored Leaves?		Less than 5% 5-24% 25-49%
(brown or yellow)	YN?	50-74% 75-94% 95% or more
Falling Leaves?	YN?	
Flowers or Flower		Less than 3 3-10 11-100
Buds?	YN?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Fruits? (green or tan		Less than 3 3-10 11-100
bean pod)	YN?	101-10,000 More than 10,000
Ripe Fruits?		Less than 5% 5-24% 25-49%
(tan bean pod)	YN?	50-74% 75-94% 95% or more
Fruits or Seeds on		Less than 3 3-10 11-100
the ground?	YN?	101-10,000 More than 10,000



Scientific Name: Fouquieria Spendens

Nickname: Ocotillo 1

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Observer: \_\_\_\_\_

Do you see	Phenophase	Circle the Value
Young Leaves?		Less than 3 3-10 11-100
(small, just unfolding)	Y N ?	101-10,000 More than 10,000
Leaves?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Colored Leaves?		Less than 5% 5-24% 25-49%
(brown or yellow)	Y N ?	50-74% 75-94% 95% or more
Falling Leaves?	Y N ?	
Flowers or Flower		Less than 3 3-10 11-100
Buds? (at top of plant, red)	Y N ?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	Y N ?	50-74% 75-94% 95% or more
Fruits? (round		Less than 3 3-10 11-100
capsule, green or brown)	YN?	101-10,000 More than 10,000
Ripe Fruits?	_	Less than 5% 5-24% 25-49%
(brown capsule)	Y N ?	50-74% 75-94% 95% or more
Fruits or Seeds on		Less than 3 3-10 11-100
the ground?	Y N ?	101-10,000 More than 10,000



Scientific Name: Fouquieria Spendens

Nickname: Ocotillo 1

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Do you see	Phenophase	Circle the Value
Young Leaves?		Less than 3 3-10 11-100
(small, just unfolding)	YN?	101-10,000 More than 10,000
Leaves?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Colored Leaves?		Less than 5% 5-24% 25-49%
(brown or yellow)	YN?	50-74% 75-94% 95% or more
Falling Leaves?	Y N ?	
Flowers or Flower		Less than 3 3-10 11-100
Buds? (at top of plant, red)	YN?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Fruits? (round		Less than 3 3-10 11-100
capsule, green or brown)	YN?	101-10,000 More than 10,000
Ripe Fruits?		Less than 5% 5-24% 25-49%
(brown capsule)	YN?	50-74% 75-94% 95% or more
Fruits or Seeds on		Less than 3 3-10 11-100
the ground?	YN?	101-10,000 More than 10,000



Scientific Name: Fouquieria Spendens

Nickname: Ocotillo 2

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Observer: \_\_\_\_\_

Do you see	Phenophase	Circle the Value
Young Leaves?	_	Less than 3 3-10 11-100
(small, just unfolding)	Y N ?	101-10,000 More than 10,000
Leaves?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Colored Leaves?		Less than 5% 5-24% 25-49%
(brown or yellow)	Y N ?	50-74% 75-94% 95% or more
Falling Leaves?	Y N ?	
Flowers or Flower		Less than 3 3-10 11-100
Buds? (at top of plant, red)	YN?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	Y N ?	50-74% 75-94% 95% or more
Fruits? (round		Less than 3 3-10 11-100
capsule, green or brown)	YN?	101-10,000 More than 10,000
Ripe Fruits?	_	Less than 5% 5-24% 25-49%
(brown capsule)	Y N ?	50-74% 75-94% 95% or more
Fruits or Seeds on		Less than 3 3-10 11-100
the ground?	Y N ?	101-10,000 More than 10,000



Scientific Name: Fouquieria Spendens

Nickname: Ocotillo 2

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Do you see	Phenophase	Circle the Value
Young Leaves?		Less than 3 3-10 11-100
(small, just unfolding)	YN?	101-10,000 More than 10,000
Leaves?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Colored Leaves?		Less than 5% 5-24% 25-49%
(brown or yellow)	Y N ?	50-74% 75-94% 95% or more
Falling Leaves?	Y N ?	
Flowers or Flower		Less than 3 3-10 11-100
Buds? (at top of plant, red)	YN?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	Y N ?	50-74% 75-94% 95% or more
Fruits? (round		Less than 3 3-10 11-100
capsule, green or brown)	YN?	101-10,000 More than 10,000
Ripe Fruits?		Less than 5% 5-24% 25-49%
(brown capsule)	Y N ?	50-74% 75-94% 95% or more
Fruits or Seeds on		Less than 3 3-10 11-100
the ground?	YN?	101-10,000 More than 10,000



Scientific Name: Fortunella

Nickname: Kumquat Tree

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Observer: \_\_\_\_\_

Do you see	Phenophase	What Value?
Breaking Leaf Buds?	YN?	Less than 3 3-10 11-100 101-10,000 More than 10,000
(green leaf tip is emerging from branch)		101 10,000 Wore than 10,000
Young Leaves? (leaves are unfolding)	YN?	Less than 3 3-10 11-100
(leaves are unroluing)	T IN P	101-10,000 More than 10,000
Flowers or Flower		Less than 3 3-10 11-100
Buds?	YN?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
(small, white)	YN?	50-74% 75-94% 95% or more
Fruits?		Less than 3 3-10 11-100
(green or orange, small and round)	YN?	101-10,000 More than 10,000
Ripe Fruits?		Less than 5% 5-24% 25-49%
(fruits have turned deep orange)	YN?	50-74% 75-94% 95% or more
Fruits or seeds on		Less than 3 3-10 11-100
the ground?	YN?	101-10,000 More than 10,000



Scientific Name: Fortunella

Nickname: Kumquat Tree

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Do you see	Phenophase	What Value?
Breaking Leaf Buds? (green leaf tip is emerging from branch)	Y N ?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Young Leaves? (leaves are unfolding)	YN?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Flowers or Flower Buds?	Y N ?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Open Flowers? (small, white)	YN?	Less than 5% 5-24% 25-49% 50-74% 75-94% 95% or more
Fruits? (green or orange, small and round)	YN?	Less than 3 3-10 11-100   101-10,000 More than 10,000
Ripe Fruits? (fruits have turned deep orange)	YN?	Less than 5% 5-24% 25-49% 50-74% 75-94% 95% or more
Fruits or seeds on the ground?	YN?	Less than 3 3-10 11-100 101-10,000 More than 10,000



Scientific Name: Larrea Tridentata Nickname: Creosote Bush 1

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Observer: \_\_\_\_\_



Scientific Name: Larrea Tridentata

Nickname: Creosote Bush 1

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Do you see	Phenophase	What Value?
Young Leaves?		Less than 3 3-10 11-100
(they look smaller than the rest and are still unfolding)	Y N ?	101-10,000 More than 10,000
Flowers or Flower		Less than 3 3-10 11-100
Buds?	Y N ?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	Y N ?	50-74% 75-94% 95% or more
Fruits?		Less than 3 3-10 11-100
(small, round with fuzzy white hairs)	YN?	101-10,000 More than 10,000
Ripe Fruits?		Less than 5% 5-24% 25-49%
(starting to open and turn brown)	YN?	50-74% 75-94% 95% or more
Fruits or seeds on		Less than 3 3-10 11-100
the ground?	YN?	101-10,000 More than 10,000

Do you see	Phenophase	What Value?
Young Leaves? (they look smaller than the rest and are still unfolding)	Y N ?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Flowers or Flower Buds?	YN?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Open Flowers?	YN?	Less than 5% 5-24% 25-49% 50-74% 75-94% 95% or more
Fruits? (small, round with fuzzy white hairs)	YN?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Ripe Fruits? (starting to open and turn brown)	Y N ?	Less than 5% 5-24% 25-49% 50-74% 75-94% 95% or more
Fruits or seeds on the ground?	Y N ?	Less than 3 3-10 11-100 101-10,000 More than 10,000



Scientific Name: Larrea Tridentata Nickname: Creosote Bush 2

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Observer: \_\_\_\_\_



Scientific Name: Larrea Tridentata

Nickname: Creosote Bush 2

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Do you see	Phenophase	What Value?
Young Leaves? (they look smaller than the rest and are still unfolding)	Y N ?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Flowers or Flower Buds?	YN?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Open Flowers?	Y N ?	Less than 5% 5-24% 25-49% 50-74% 75-94% 95% or more
Fruits? (small, round with fuzzy white hairs)	Y N ?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Ripe Fruits? (starting to open and turn brown)	Y N ?	Less than 5% 5-24% 25-49% 50-74% 75-94% 95% or more
Fruits or seeds on the ground?	Y N ?	Less than 3 3-10 11-100 101-10,000 More than 10,000

Do you see	Phenophase	What Value?
Young Leaves? (they look smaller than the rest and are still unfolding)	YN ?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Flowers or Flower Buds?	Y N ?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Open Flowers?	Y N ?	Less than 5% 5-24% 25-49% 50-74% 75-94% 95% or more
Fruits? (small, round with fuzzy white hairs)	YN?	Less than 3 3-10 11-100 101-10,000 More than 10,000
Ripe Fruits? (starting to open and turn brown)	Y N ?	Less than 5% 5-24% 25-49% 50-74% 75-94% 95% or more
Fruits or seeds on the ground?	YN?	Less than 3 3-10 11-100 101-10,000 More than 10,000



Scientific Name: Ferocactus Wislizeni

Nickname: Barrel Cactus 1

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_\_

Observer: \_\_\_\_\_

Do you see	Phenophase	What Value?
Flowers or Flower		Less than 3 3-10 11-100
Buds?	YN?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Fruits?		Less than 3 3-10 11-100
(yellow or green, looks like a pineapple)	YN?	101-10,000 More than 10,000
Ripe Fruits?		Less than 5% 5-24% 25-49%
(fruit is a bright yellow)	YN?	50-74% 75-94% 95% or more
Fruits or seeds on		Less than 3 3-10 11-100
the ground? (seeds are small, round and black)	YN?	101-10,000 More than 10,000



Scientific Name: Ferocactus Wislizeni

Nickname: Barrel Cactus 1

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Do you see	Phenophase	What Value?
Flowers or Flower		Less than 3 3-10 11-100
Buds?	YN?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Fruits?		Less than 3 3-10 11-100
(yellow or green, looks like a pineapple)	YN?	101-10,000 More than 10,000
Ripe Fruits?		Less than 5% 5-24% 25-49%
(fruit is a bright yellow)	YN?	50-74% 75-94% 95% or more
Fruits or seeds on		Less than 3 3-10 11-100
the ground? (seeds are small, round and black)	YN?	101-10,000 More than 10,000



Scientific Name: Ferocactus Wislizeni

Nickname: Barrel Cactus 2

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_\_

Observer: \_\_\_\_\_

Do you see	Phenophase	What Value?
Flowers or Flower		Less than 3 3-10 11-100
Buds?	YN?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	Y N ?	50-74% 75-94% 95% or more
Fruits?		Less than 3 3-10 11-100
(yellow or green, looks like a pineapple)	YN?	101-10,000 More than 10,000
Ripe Fruits?		Less than 5% 5-24% 25-49%
(fruit is a bright yellow)	YN?	50-74% 75-94% 95% or more
Fruits or seeds on		Less than 3 3-10 11-100
the ground? (seeds are small, round and black)	Y N ?	101-10,000 More than 10,000



Scientific Name: Ferocactus Wislizeni

Nickname: Barrel Cactus 2

Site: Manzo Ecology Courtyard

Date: \_\_\_\_\_

Do you see	Phenophase	What Value?
Flowers or Flower		Less than 3 3-10 11-100
Buds?	YN?	101-10,000 More than 10,000
Open Flowers?		Less than 5% 5-24% 25-49%
	YN?	50-74% 75-94% 95% or more
Fruits?		Less than 3 3-10 11-100
(yellow or green, looks like a pineapple)	YN?	101-10,000 More than 10,000
Ripe Fruits?		Less than 5% 5-24% 25-49%
(fruit is a bright yellow)	Y N ?	50-74% 75-94% 95% or more
Fruits or seeds on		Less than 3 3-10 11-100
the ground? (seeds are small, round and black)	Y N ?	101-10,000 More than 10,000