# **Appendix B**

# 2015 Vegetation Monitoring Program Observation Monitoring Sites and Livestock Grazing Summary for the Kern Water Bank



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SUBMITTED TO: KernWater Bank Authority

PREPARED BY:



June 24, 2016

### 2015 VEGETATION MONIROTING PROGRAM OBSERVATION MONITORING SITES AND LIVESTOCK GRAZING SUMMARY for the KERN WATER BANK

Submitted to:

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June 24, 2016

## Vegetation Monitoring Program Observation Monitoring Sites and Livestock Grazing Summary

### INTRODUCTION

The Kern Water Bank (KWB) vegetation monitoring program consists of eight permanently established vegetation Observation Monitoring Sites (OMS), each one located in a representative habitat on the KWB (e.g., canal, ditch, pond, uplands, old farm lands, and conservation lands). The locations of monitoring sites have been unchanged since their establishment in the late 1990's. Their locations are indicated in Figure 1. The primary purpose of monitoring these sites is to provide a qualitative evaluation and documentation of the dynamic nature of the vegetation on the KWB. Data collected and observations made at the monitoring sites are used to help guide vegetation management decisions, particularly in regards to livestock grazing strategies in an attempt to help improve and maintain habitat quality, control invasive plants, and to facilitate the application of successful adaptive management strategies for the KWB.

### METHODS

All eight of the vegetation monitoring sites are visited each quarter by one or two biologists. The biologists collect data such as the observed plant and animal species, basic weather conditions, general vegetation conditions, and other pertinent information. Lastly, photographs from all four cardinal directions (North, East, West, and South) are taken to provide a visual representation of the conditions encountered at each site. This approach has resulted in many years of successive photographic data that help to illustrate the dynamic nature of the KWB. The data collected from each observation monitoring site is provided as Attachment 1.

### **RESULTS AND DISCUSSION**

Rainfall during the 2015 rain year (October 1, 2014 – September 30, 2015) for the KWB was approximately 5.33 inches. That was significantly higher than the 2.42 inches that fell during the prior 2014 rain year. Although 5.33 inches is still below the long-term average of 6.12 inches for the Bakersfield area, it was approximately 87% of the normal, and well over twice as much as the 2014 rain year. Officially, 2015 was the fourth successive season of below average rainfall and the effects of the drought have dramatically impacted all of central and southern California. Still, the 2014 – 2015 rain year brought abundant welcomed growth of vegetation on all parts of the KWB.

It was reported in 2014 that there was almost no observable primary production at almost all of the OMS. Photographs 1 - 4 help to illustrate the contrasting conditions observed in 2015 from what was seen in 2014. The 2015 rain year got started with modest rainfall in October and very little in November, but December was relatively wet with a little over 2 inches of precipitation falling in the Bakersfield area. These early rains resulted in relatively rapid growth of herbaceous vegetation. Although by late January it appeared that the potential for a substantial growth of vegetation was possible, it was unknown whether the rain would continue. SVB began reconnaissance site inspections on the KWB in mid-January monitor vegetation growth and make recommendations as to whether cattle should be turned out into one or more areas. The decision was made to hold off turning out cattle and continue to monitor growth and rainfall into February.

By late February, herbaceous growth had progressed substantially and the decision was made to turn cattle out into the areas where growth appeared to be most rapidly progressing. Cattle were introduced back into the Strand, West, and River areas in late February in an effort to keep the abundant vegetation growth in check. A total of 115 Animal Units (AU, defined as one adult cow and her calf), were put into the Strand Area, 120 AU were turned out into the West Area, and 55 AU were put into the River Area. In general, cattle numbers were systematically increased and maintained into June and early July in most areas (Figure 2). By early August, it was determined that cattle numbers should begin to be drawn down, as most of the KWB looked to be in excellent range condition. The often problematic late season Russian thistle (Salsola tragus) blooms that the KWB has experienced in many prior years did not really come to pass in 2015. There were some areas such as the Strand Area that did have some noticeable Russian thistle growth, but it was substantially less than many prior seasons. The Strand Area is consistently the most densely vegetated area on the KWB. There was still a large amount of standing dry vegetation over much of the Strand despite late into the season. As a result, cattle numbers were increased and maintained in the Strand Area for the entire year (Figure 2, Photograph 5). This was also the case, albeit to a lesser extent within the Main Area as well. The North Area also experienced some Russian thistle growth late in the season and cattle were turned out there in June and were increased significantly in number from August through December to not only combat the Russian thistle, but also to lessen the standing dry vegetation that still remained from earlier in the season.

The River Area did not require the same level of intensity of grazing that most of the other areas on the KWB. Cattle were turned out in modest number in late February and the numbers remained steady into early May to help keep the abundant herbaceous growth from becoming too dense (Photograph 6). Cattle were decreased in May, but additional cattle were returned to the River Area in early September to combat some late-season Russian thistle growth. The James Area did not require significant grazing in 2015. Cattle were turned out in relatively low number (55 AU) into the James Area in early May and remained until early September. These cattle were then moved to the River Area, as described above.

In conclusion, the 2014 – 2015 rain year brought abundant, but not excessive growth of vegetation to most areas of the KWB, and most of the upland habitats appeared to be in a healthy and desirable condition for most native wildlife species.











Figure 2. Charts showing the number of cattle, expressed as an Animal Unit (AU) which is one adult cow and one calf, that were present in each area by month in 2015.



### Photograph 1.

Vegetation conditions at OMS 1 on March 7, 2014. Note the very scant growth of vegetation.



Photograph 2.

Same area as above as it appeared on March 9, 2015. Note the abundant herbaceous growth compared to the prior year.

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### Photograph 3.

Vegetation conditions at OMS 4 on March 7, 2014. Note that essentially no growth of vegetation is evident.



Photograph 4.

Vegetation conditions at OMS 4 on March 9, 2015. An abundance of lush green growth can be seen.

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Photograph 5.

Vegetation conditions at OMS 3 in the Strand Area on August 7, 2015. An excessive cover of dense, dry herbaceous cover was still standing. Cattle were allowed to remain to remove some of the excess cover.



Photograph 6.

Densely growing vegetation conditions at OMS 5 in the River Area on February 11, 2015. Cattle were turned out in the River Area two weeks later to help manage the abundant growth.

### **ATTACHMENT 1**

Kern Water Bank 2015 Observation Monitoring Site Observation Program Observations

#### LOCATION INFORMATION

LOCATION: OMS-1 SECTION: 3 TOWNSHIP/RANGE: 30S/25E COORDINATES (CA5-NAD83): 6181490, 2313744 NUMBER OF ACRES: 40 VEGETATION TYPE: EMERGENT WETLAND SPECIES PRESENT SITE TYPE: POND BASIN/POND LITTORAL ZONES





#### LOCATION INFORMATION

LOCATION: OMS-2 SECTION: 9 TOWNSHIP/RANGE: 30S/25E COORDINATES (CA5-NAD83): 6177540, 2308574 NUMBER OF ACRES: >1 VEGETATION TYPE: EMERGENT WETLAND SPECIES PRESENT/MOSTLY DOMINATED BY ANNUAL GRASSES AND WEEDS SITE TYPE: DITCH BANK/DITCH BOTTOM



#### LOCATION INFORMATION

LOCATION: OMS-3 SECTION: 10 TOWNSHIP/RANGE: 30S/25E COORDINATES (CA5-NAD83): 6177656, 2311449 NUMBER OF ACRES: 80 VEGETATION TYPE: MOSTLY DOMINATED BY ANNUAL GRASSES AND WEEDS/DOMINATED BY RUSSIAN THISTLE AND/OR PRICKLY LETTUCE SITE TYPE: UPLAND-OLD FARM FIELD

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	PLANTS PRESENT: AMSINCKIA MENZIES				
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#### LOCATION INFORMATION

LOCATION: OMS-4 SECTION: 11 TOWNSHIP/RANGE: 30S/25E COORDINATES (CA5-NAD83): 6186254, 2311943 NUMBER OF ACRES: 10 VEGETATION TYPE: MOSTLY DOMINATED BY ANNUAL GRASSES AND WEEDS/NON-NATIVE PLANTS SITE TYPE: DITCH BANK/DITCH BOTTOM





#### LOCATION INFORMATION

LOCATION: OMS-5 SECTION: 7 TOWNSHIP/RANGE: 30S/26E COORDINATES (CA5-NAD83): 6194387, 2306947 NUMBER OF ACRES: 50 VEGETATION TYPE: MOSTLY DOMINATED BY ANNUAL GRASSES AND WEEDS/NON-NATIVE PLANTS/RUDERAL VEGETATION SITE TYPE: UPLAND-OLD FARM FIELDS

1ST QUARTER	SURVEY DATE: 02/11/2015 TIME: 02:00 PM MONITOR(S): J. JONES, Z. BRISCO RAINFALL TO DATE: 4.26 IN WIND DIRECTION: WIND VELOCITY: 0 MPH TEMPERATURE: 69 F HUMIDITY: 57% NOTES: WILDLIFE PRESENT: RED-WINGED BLAC PLANTS PRESENT: AMSINCKIA MENZIE:			SOUTH	WEST
	SISYMBRIUM IRRO.				
2ND QUARTER	SURVEY DATE: 06/09/2015 TIME: 01:07 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.29 IN WIND DIRECTION: WIND VELOCITY: 0 MPH TEMPERATURE: 88 F HUMIDITY: 33% NOTES: VERY FEW BURROWS. NEEDS TO WILDLIFE PRESENT:	NORTH	EAST	SOUTH	WEST
	PLANTS PRESENT: AMSINCKIA MENZIE	SII, BROMUS RUBENS, SCHISMU	JS ARABICUS, SISYMBRIUM IF	RIO.	
3RD QUARTER	SURVEY DATE: 08/07/2015 TIME: 11:47 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: NW WIND VELOCITY: 9 MPH TEMPERATURE: 91 F HUMIDITY: 30% NOTES: NO TUMBLEWEED ANYWHERE I WILDLIFE PRESENT: RED-TAILED HAWK PLANTS PRESENT: AMSINCKIA MENZIE:	•		SOUTH	WEST
4TH QUARTER	SURVEY DATE: 11/05/2015 TIME: 12:25 PM MONITOR(S): J. JONES, A. VASQUEZ RAINFALL TO DATE: 5.33 IN WIND DIRECTION: NE WIND VELOCITY: 3 MPH TEMPERATURE: 71 F HUMIDITY: 29%	NORTH	EAST	SOUTH	WEST
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#### LOCATION INFORMATION LOCATION: OMS-6 SECTION: 36 TOWNSHIP/RANGE: 30S/25E COORDINATES (CA5-NAD83): 6192992, 2287399 NUMBER OF ACRES: 160 VEGETATION TYPE: MIXED ANNUAL GRASSLAND WITH SCATTERED SHRUBS/SCATTERED SHRUBS-BARE SOIL SITE TYPE: UPLAND-SENSITIVE HABITAT

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	PLANTS PRESENT: AMSINCKIA MENZIES NICA, LEPIDIUM NITIDUM, PROSOPIS GL			IM MURINUM SSP. LEPORINUN	I, LASTHENIA CALIFOR-
	SURVEY DATE: 06/09/2015	NORTH	EAST	SOUTH	WEST
	TIME: 12:25 PM				
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RTE	WIND DIRECTION: SW	and the second second			· ····································
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2ND QUARTER	HUMIDITY: 30%		The Destruction		and the second second
2N	NOTES: SHRUBS VERY DRY AND APPEAR	RS STRESSED. VERY FEW SMAI	LL MAMMAL BURROWS.		
	WILDLIFE PRESENT: PLANTS PRESENT: AMSINCKIA MENZIES				
	SCHISMUS ARABICUS, SISYMBRIUM IRIC				LOSA VAN. TONNE TANA,
	SURVEY DATE: 08/07/2015	NORTH	EAST	SOUTH	WECT
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QUARTER	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN			3001	WEST
ID QUARTER	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH			3001	WEST
<b>3RD QUARTER</b>	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS	MODERATELY DENSE, THERE			
<b>3RD QUARTER</b>	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26%	MODERATELY DENSE, THERE	ARE SEVERAL ACTIVE KANGAI	ROO RAT BURROWS AND RUN	WAYS.
3RD QUARTER	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE	MODERATELY DENSE, THERE	ARE SEVERAL ACTIVE KANGAI	ROO RAT BURROWS AND RUN	WAYS.
3RD QUARTER	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE PLANTS PRESENT: AMSINCKIA MENZIES	MODERATELY DENSE, THERE	ARE SEVERAL ACTIVE KANGAI	ROO RAT BURROWS AND RUN	WAYS.
3RD QUARTER	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE PLANTS PRESENT: AMSINCKIA MENZIES SISYMBRIUM IRIO, VULPIA MYUROS. SURVEY DATE: 11/04/2015 TIME: 12:45 PM	MODERATELY DENSE, THERE	ARE SEVERAL ACTIVE KANGAI	ROO RAT BURROWS AND RUN ANDULOSA VAR. TORREYANA, SOUTH	IWAYS. SCHISMUS ARABICUS,
	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE PLANTS PRESENT: AMSINCKIA MENZIES SISYMBRIUM IRIO, VULPIA MYUROS.	MODERATELY DENSE, THERE	ARE SEVERAL ACTIVE KANGAI	ROO RAT BURROWS AND RUN	IWAYS. SCHISMUS ARABICUS,
	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE. PLANTS PRESENT: MOURNING DOVE. PLANTS PRESENT: AMSINCKIA MENZIES SISYMBRIUM IRIO, VULPIA MYUROS. SURVEY DATE: 11/04/2015 TIME: 12:45 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W	MODERATELY DENSE, THERE	ARE SEVERAL ACTIVE KANGAI	ROO RAT BURROWS AND RUN ANDULOSA VAR. TORREYANA, SOUTH	IWAYS. SCHISMUS ARABICUS,
	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE. PLANTS PRESENT: AMSINCKIA MENZIES SISYMBRIUM IRIO, VULPIA MYUROS. SURVEY DATE: 11/04/2015 TIME: 12:45 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 6 MPH	MODERATELY DENSE, THERE	ARE SEVERAL ACTIVE KANGAI	ROO RAT BURROWS AND RUN ANDULOSA VAR. TORREYANA, SOUTH	IWAYS. SCHISMUS ARABICUS,
	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE. PLANTS PRESENT: MOURNING DOVE. PLANTS PRESENT: AMSINCKIA MENZIES SISYMBRIUM IRIO, VULPIA MYUROS. SURVEY DATE: 11/04/2015 TIME: 12:45 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W	MODERATELY DENSE, THERE	ARE SEVERAL ACTIVE KANGAI	ROO RAT BURROWS AND RUN ANDULOSA VAR. TORREYANA, SOUTH	IWAYS. SCHISMUS ARABICUS,
4TH QUARTER 3RD QUARTER	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE: PLANTS PRESENT: AMSINCKIA MENZIES SISYMBRIUM IRIO, VULPIA MYUROS. SURVEY DATE: 11/04/2015 TIME: 12:45 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 6 MPH TEMPERATURE: 67 F	MODERATELY DENSE, THERE SII, ATRIPLEX POLYCARPA, BRO	ARE SEVERAL ACTIVE KANGAI	ROO RAT BURROWS AND RUN ANDULOSA VAR. TORREYANA, SOUTH	IWAYS. SCHISMUS ARABICUS,
	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE PLANTS PRESENT: AMSINCKIA MENZIES SISYMBRIUM IRIO, VULPIA MYUROS. SURVEY DATE: 11/04/2015 TIME: 12:45 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND DIRECTION: W WIND VELOCITY: 6 MPH TEMPERATURE: 67 F HUMIDITY: 34% NOTES: SEVERAL ACTIVE KANGAROO RAT WILDLIFE PRESENT: MOURNING DOVE,	MODERATELY DENSE, THERE SII, ATRIPLEX POLYCARPA, BRO NORTH	ARE SEVERAL ACTIVE KANGAI DMUS RUBENS, PROSOPIS GLA	ROO RAT BURROWS AND RUN ANDULOSA VAR. TORREYANA, SOUTH	IWAYS. SCHISMUS ARABICUS, WEST
	TIME: 11:20 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: N WIND VELOCITY: 9 MPH TEMPERATURE: 92 F HUMIDITY: 26% NOTES: ALTHOUGH GROUND COVER IS WILDLIFE PRESENT: MOURNING DOVE PLANTS PRESENT: MOURNING DOVE PLANTS PRESENT: AMSINCKIA MENZIES SISYMBRIUM IRIO, VULPIA MYUROS. SURVEY DATE: 11/04/2015 TIME: 12:45 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 6 MPH TEMPERATURE: 67 F HUMIDITY: 34% NOTES: SEVERAL ACTIVE KANGAROO RAT	MODERATELY DENSE, THERE SII, ATRIPLEX POLYCARPA, BRO NORTH	ARE SEVERAL ACTIVE KANGAI DMUS RUBENS, PROSOPIS GLA	ROO RAT BURROWS AND RUN ANDULOSA VAR. TORREYANA, SOUTH	IWAYS. SCHISMUS ARABICUS, WEST



#### LOCATION INFORMATION

LOCATION: OMS-7 SECTION: 34 TOWNSHIP/RANGE: 30S/25E COORDINATES (CA5-NAD83):612246, 2290740 NUMBER OF ACRES: 160 VEGETATION TYPE: MOSTLY DOMINATED BY ANNUAL GRASSES AND WEEDS SITE TYPE: UPLAND-SENSITIVE HABITAT/UPLAND-OLD FARM FIELDS

	SURVEY DATE: 02/11/2015 TIME: 12:05 PM MONITOR(S): J. JONES, Z. BRISCO	NORTH	EAST	SOUTH	WEST	
2	RAINFALL TO DATE: 4.26 IN					
ST QUARTER	WIND DIRECTION:			1		
AB	WIND VELOCITY: 0 MPH		and the second second	and the state of the	and the second sec	
	TEMPERATURE: 68 F	A state of the same		and the second second		
Ĕ	HUMIDITY: 54%			A Contraction of the second	Start Start Handler	
15	NOTES: THICK & DENSE GROWTH. 100 HEAD OF CATTLE TURNED OUT TODAY. WILDLIFE PRESENT: WESTERN MEADOWLARK. PLANTS PRESENT: AMSINCKIA MENZIESII, CALANDRINIA CILIATA, ERODIUM CICUTARIUM, LASTHENIA CALIFORNICA, SCHISMUS ARABICUS, SISYMBRIUM IRIO.					
	SURVEY DATE: 06/09/2015	NORTH	EAST	SOUTH	WEST	
2ND QUARTER	TIME: 12:48 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.29 IN WIND DIRECTION: SW WIND VELOCITY: 10 MPH TEMPERATURE: 86 F					
2ND	HUMIDITY: 37% NOTES: VERY FEW BURROWS. NEEDS TO WILDLIFE PRESENT: AMERICAN CROW, PLANTS PRESENT: AMSINCKIA MENZIE	LOGGERHEAD SHRIKE.	SMUS ARABICUS, SISYMBRIUI	M IRIO.		
	SURVEY DATE: 08/07/2015	NORTH	EAST	SOUTH	WEST	
	TIME: 10:45 AM	NORTH	EAST	SOUTH	WEST	
R	TIME: 10:45 AM MONITOR(S): J. JONES	NORTH	EAST	SOUTH	WEST	
TER	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN	NORTH	EAST	SOUTH	WEST	
ARTER	TIME: 10:45 AM MONITOR(S): J. JONES	NORTH	EAST	SOUTH	WEST	
QUARTER	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W	NORTH	EAST	SOUTH	WEST	
D QUARTER	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 2 MPH	NORTH	EAST	SOUTH	WEST	
3RD QUARTER	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 2 MPH TEMPERATURE: 90 F	ESENT. NEED TO BE GRAZED A RIKE, MOURNING DOVE.	S SOON AS POSSIBLE WHEN	OIL FACILITIES ARE FULLY PR	OTECTED.	
3RD QUARTER	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 2 MPH TEMPERATURE: 90 F HUMIDITY: 25% NOTES: DENSE, DRY MATTER COVER PR WILDLIFE PRESENT: LOGGERHEAD SHE PLANTS PRESENT: AMSINCKIA MENZIE	ESENT. NEED TO BE GRAZED A RIKE, MOURNING DOVE.	S SOON AS POSSIBLE WHEN	OIL FACILITIES ARE FULLY PR	OTECTED.	
3RD QUARTER	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 2 MPH TEMPERATURE: 90 F HUMIDITY: 25% NOTES: DENSE, DRY MATTER COVER PR WILDLIFE PRESENT: LOGGERHEAD SHF	ESENT. NEED TO BE GRAZED A IKE, MOURNING DOVE. SII, BROMUS RUBENS, ERODIU	S SOON AS POSSIBLE WHEN M CICUTARIUM, HIRSHFELDIA	OIL FACILITIES ARE FULLY PR A INCANA, SCHISMUS ARABIC	OTECTED. CUS, SISYMBRIUM IRIO.	
3RD	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 2 MPH TEMPERATURE: 90 F HUMIDITY: 25% NOTES: DENSE, DRY MATTER COVER PR WILDLIFE PRESENT: LOGGERHEAD SHE PLANTS PRESENT: AMSINCKIA MENZIE SURVEY DATE: 11/04/2015	ESENT. NEED TO BE GRAZED A IKE, MOURNING DOVE. SII, BROMUS RUBENS, ERODIU	S SOON AS POSSIBLE WHEN M CICUTARIUM, HIRSHFELDIA	OIL FACILITIES ARE FULLY PR A INCANA, SCHISMUS ARABIC	OTECTED. CUS, SISYMBRIUM IRIO.	
R 3RD	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 2 MPH TEMPERATURE: 90 F HUMIDITY: 25% NOTES: DENSE, DRY MATTER COVER PR WILDLIFE PRESENT: LOGGERHEAD SHF PLANTS PRESENT: AMSINCKIA MENZIE SURVEY DATE: 11/04/2015 TIME: 01:25 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN	ESENT. NEED TO BE GRAZED A IKE, MOURNING DOVE. SII, BROMUS RUBENS, ERODIU	S SOON AS POSSIBLE WHEN M CICUTARIUM, HIRSHFELDIA	OIL FACILITIES ARE FULLY PR A INCANA, SCHISMUS ARABIC	OTECTED. CUS, SISYMBRIUM IRIO.	
R 3RD	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 2 MPH TEMPERATURE: 90 F HUMIDITY: 25% NOTES: DENSE, DRY MATTER COVER PR WILDLIFE PRESENT: LOGGERHEAD SHF PLANTS PRESENT: AMSINCKIA MENZIE SURVEY DATE: 11/04/2015 TIME: 01:25 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: NW	ESENT. NEED TO BE GRAZED A IKE, MOURNING DOVE. SII, BROMUS RUBENS, ERODIU	S SOON AS POSSIBLE WHEN M CICUTARIUM, HIRSHFELDIA	OIL FACILITIES ARE FULLY PR A INCANA, SCHISMUS ARABIC	OTECTED. CUS, SISYMBRIUM IRIO.	
R 3RD	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 2 MPH TEMPERATURE: 90 F HUMIDITY: 25% NOTES: DENSE, DRY MATTER COVER PR WILDLIFE PRESENT: LOGGERHEAD SHF PLANTS PRESENT: AMSINCKIA MENZIE SURVEY DATE: 11/04/2015 TIME: 01:25 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: NW WIND VELOCITY: 9 MPH	ESENT. NEED TO BE GRAZED A IKE, MOURNING DOVE. SII, BROMUS RUBENS, ERODIU	S SOON AS POSSIBLE WHEN M CICUTARIUM, HIRSHFELDIA	OIL FACILITIES ARE FULLY PR A INCANA, SCHISMUS ARABIC	OTECTED. CUS, SISYMBRIUM IRIO.	
R 3RD	TIME: 10:45 AM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: W WIND VELOCITY: 2 MPH TEMPERATURE: 90 F HUMIDITY: 25% NOTES: DENSE, DRY MATTER COVER PR WILDLIFE PRESENT: LOGGERHEAD SHF PLANTS PRESENT: AMSINCKIA MENZIE SURVEY DATE: 11/04/2015 TIME: 01:25 PM MONITOR(S): J. JONES RAINFALL TO DATE: 5.33 IN WIND DIRECTION: NW WIND VELOCITY: 9 MPH TEMPERATURE: 69 F	ESENT. NEED TO BE GRAZED A IKE, MOURNING DOVE. SII, BROMUS RUBENS, ERODIU	S SOON AS POSSIBLE WHEN M CICUTARIUM, HIRSHFELDIA	OIL FACILITIES ARE FULLY PR A INCANA, SCHISMUS ARABIC	OTECTED. CUS, SISYMBRIUM IRIO.	
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