CLSA

GJC

Monitoring Report Submittal Transmittal Form

Attn: Guy Childs (916) 464-4648
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

Discharger:	The Morning Star Packing Company, LP and Fred Gobel
Name of Facility:	Williams Facility
WDRs Order Number:	R5-2013-0144
WDID:	5A062005001
County:	Colusa

RECEIVED
SACRAMENTO
CVRWQCB
14 AUG -4 PM 2:51

I am hereby submitting to the Central Valley Water Board the following information:

Check all that apply:

Monthly Monitoring Report for the month of June 2014

1st / 2nd / 3rd / 4th (**circle one**) Quarterly Monitoring Report for the year of _____

1st / 2nd (**circle one**) Semi-annual Monitoring Report for the year _____

Annual Monitoring Report for the year _____

Violation Notification

During the monitoring period, there were / were not (circle one) any violations of the WDRs.

1. The violations were: (*add extra pages as needed*)
2. Have the violations been corrected? Yes / No. If no, what will be done to correct the violations: (*add extra pages as needed*) N/A

Certification Statement

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Signature: Michael Oliveira Phone: 209-277-4986

Printed Name: Michael Oliveira Date: 8-1-2014

Staff: GC

Logged in as received: AUG. 13, 2014 LC

Date reviewed: _____

Violations?: _____

Logged in as Reviewed: _____

THE MORNING STAR PACKING COMPANY
724 Main Street, Woodland CA 95695

31 June 2014

Mr. Guy Childs
Central Valley Regional Water Quality Control Board
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

Re: Monthly Report for The Morning Star Packing Company – Williams, according to Waste Discharge Requirements Order No. R5-2013-0144.

Dear Mr. Childs:

Please find herewith the June Report with items requested in the Monthly Monitoring Reports section of the Monitoring and Reporting Program No. R5-2013-0144.

1. Tabulated pond monitoring data.

The tabulated cooling pond monitoring results for June are included as **Attachment A**.

2. Tabulated daily flow measurements from each wastewater source and supplemental irrigation water to each check in each LAA field.

As The Morning Star Packing Company – Williams is not processing, there are no daily flow measurements from the washwater sources nor supplemental irrigation water. The June logsheets are included as **Attachment B**.

3. The cumulative annual wastewater (Station 1 and Station 2) flow discharged to the LAAs to date, the average daily flow for the month, and comparison to the average daily flow limit.

As The Morning Star Packing Company – Williams is not processing the June average daily flow is zero and a comparison to the average daily flow limit is not needed. The cumulative annual washwater from Station 1 and Station 2 are provided below and included in **Attachment B**:

Source	Annual Flow	Flow Limit
Station 1: Settling Pond/Gutters	0	
Station 2: Cooling Pond	0	
Total Washwater Discharge	0	422,000,000

4. Tabulated wastewater monitoring data and calculation of the running average for each group of three consecutive sample results for BOD and total nitrogen.

As The Morning Star Packing Company – Williams is not processing, there is no washwater monitoring data and calculations to be submitted, however, a June logsheet is included as **Attachment C**.

5. A current site plan depicting the irrigation checks within each LAA field that will be used during the calendar year, including all water conveyance ditches and internal berms that divide each LAA (where applicable).

An updated 2014 site plan for the facility's LAA and individual field maps are provided in **Attachment D**.

6. Tabulated update cropping information for each LAA field that includes at least:

a. *The crop that will be grown in each field;*
b. *Planned and actual planting dates;*
c. *Planned and actual harvest dates;*
d. *Planned and actual cattle grazing schedule, location of cattle grazing, including the number of head on each field;*
e. *Typical maximum expected and actual yield at harvest in applicable crop units per acre;*
f. *Crop total nitrogen demand; and*
g. *Crop average evapotranspiration rate in inches*

The tabulated cropping information for each LAA is included as **Attachment E**. The number of checks for some of the fields are still estimates and will be updated after irrigations begin.

7. Tabulated land application area monitoring data for each LAA field, including; calculation of the hydraulic loading, irrigation cycle average BOD loading, and total nitrogen loading to date from all sources. The average of the three most recent monitoring results shall be used to determine irrigation cycle average BOD and total nitrogen loading. Loading rates for Settling Pond solids, residual solids, cattle manure and commercial fertilizers shall be calculated separately using actual load analytical results and application areas.

The tabulated land application area monitoring data for each LAA field are also included as **Attachment E**.

8. A summary of the daily pre-application inspection reports for the month.

As The Morning Star Packing Company – Williams is not processing, there is no pre-application inspection reports to submit, however, a June logsheet is included as **Attachment F**.

9. Calculation of the flow-weighted average FDS concentration to date (representative of the Settling Pond and plant sanitation/clean-up water) as monitored at Station 1.

As The Morning Star Packing Company – Williams is not processing, there is no calculation of the flow-weighted average FDS concentration to report, however, this information is presented at the bottom of **Attachment C**.

10. Residual solids monitoring data and monthly mass of residual solids generated and applied to each LAA field and/or disposed of off-site.

As The Morning Star Packing Company – Williams is not processing, there is no residual solids monitoring data to report, however, a June logsheet is included as **Attachment G**.

11. A comparison of monitoring data to the flow limitations, effluent limitations; mass loading limitations (for each LAA field), and discharge specifications, and an explanation of any violation of those requirements.

As The Morning Star Packing Company – Williams is not processing, there is no comparison of monitoring data to the flow limitations, effluent limitations, mass loading limitations or discharge specifications.

12. If requested by staff, copies of laboratory analytical report(s).

As The Morning Star Packing Company – Williams is not processing, there are no laboratory analytical reports to be submitted.

13. Copies of current calibration logs for all field test instruments.

The calibration log for June and calibration logs for the flow monitoring devices are included as **Attachment H**.

> *"I certify under penalty of law that this document and all attachments have been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."*

Respectfully yours,

Ross Oliveira

Attachment A

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

POND MONITORING RESULTS

Monitoring Location	Monitoring Week	Monitoring Date	Monitoring Time	Dissolved Oxygen[1] (mg/L)	pH	Freeboard (0.1 feet)	Odors[3]	Monthly Pond Berm/Leeve Condition[4]	Technican's Initials
Settling Pond	Week 1								
	Week 2								
	Week 3								
	Week 4								
	Week 5								
Coolng Pond	Week 1								
	Week 2								
	Week 3								
	Week 4								
	Week 5	6/30/14	8:50 AM	4.1	7.10	2.1	None	Good	J.I.

Sample frequency shall be weekly during the processing season and monthly during the non-processing season.

[1]Samples shall be collected at a depth of one foot from each pond in use, opposite the inlet.

[2]Freeboard shall be measured to the nearest 0.1 foot from staff gauge.

[3]Odors shall be reported as (none, slight, moderate, strong)

[4]If a pond berm/leeve conditon is not reported as good, a description of the condition of the berm/leeve shall be provided, as well as the maintenance that was completed.

MORNING STAR

"Excellence Through Commitment"

Field Log: CP/SP #6 Jon Ikerd Technician:

Date: 6-30-14 Weather: 82° f

COOLING POND

pH 7.1 EC: 680 umhos/cm Temp: ~~0~~ °C 78 °F

Freeboard: 25" inches Time: 0850 (0700-0900 hours)

Sample for dissolved oxygen analysis: Taken with Hach Meter RESULT: 4.1

Levee Condition: Good

Water Color: Grey Green

Odors: yes / (no) Strength: _____ Characteristics: _____

Other Observations: _____

Equipment Calibration: (yes) / no Please see attached calibration notes.

SETTLING POND

pH EC: ____ umhos/cm Temp: °C °F

Freeboard: _____ inches Time: _____ (0700-0900 hours)

Sample for dissolved oxygen analysis: RESULT: #1_____ #2_____

Levee Condition: _____

Water Color: _____

Odors: yes / no Strength: _____ Characteristics: _____

Other Observations: _____

Equipment Calibration: yes / no Please see attached calibration notes.

Attachment B

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

FLOW MONITORING RESULTS :

Monitoring Date (Day of Month)	Flow Source					
	Supplemental ~~GCID~~ Irrigation Water (gallons; calculated)	Station 1 - Settling Pond Water (gallons; meter)	Station 2 - Cooling Pond Water (gallons; meter)	Station 3 - Total Discharge to LAAs (gallons; meter)	Names of LAAs Irrigated	Station 3 - Total Discharge to LAAs (inches)
1	0	0	0	0	-	0
2	0	0	0	0	-	0
3	2,376,000	0	0	0	-	0
4	2,376,000	0	0	0	-	0
5	1,015,200	0	0	0	-	0
6	2,059,200	0	0	0	-	0
7	4,737,600	0	0	0	-	0
8	4,737,600	0	0	0	-	0
9	4,737,600	0	0	0	-	0
10	3,110,400	0	0	0	-	0
11	3,110,400	0	0	0	-	0
12	3,110,400	0	0	0	-	0
13	3,110,400	0	0	0	-	0
14	1,137,600	0	0	0	-	0
15	1,036,800	0	0	0	-	0
16	1,296,000	0	0	0	-	0
17	1,296,000	0	0	0	-	0
18	1,296,000	0	0	0	-	0
19	1,296,000	0	0	0	-	0
20	1,296,000	0	0	0	-	0
21	1,296,000	0	0	0	-	0
22	1,296,000	0	0	0	-	0
23	2,714,400	0	0	0	-	0
24	2,581,200	0	0	0	-	0
25	3,852,000	0	0	0		0
26	4,528,800	0	0	0		0
27	4,305,600	0	0	0		0
28	4,204,800	0	0	0		0
29	4,204,800	0	0	0		0
30	4,464,000	0	0	0		0
31	0	0	0	0		0
Total Monthly Flow (MG)	76,582,800	0	0	0		0
Average Daily Flow (MGD)	2,470,413	0	0	0		0
Cumulative Annual Flow to Date (MG)	114,016,800	0	0	0		0

Attachment C

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

WASTEWATER MONITORING RESULTS : No Washwater Monitoring for June 2014

Samples Collected from Station 1

Monitoring Week	Monitoring Date	BOD (mg/L)	3-Sample Average BOD (mg/L)[1]	Total Nitrogen (mg/L)	3-Sample Average Total Nitrogen (mg/L)[1]	FDS (mg/L)
Second to Last Week of Previous Month			N/A		N/A	N/A
Last Week of Previous Month			N/A		N/A	N/A
Week 1 of Current Month						
Week 2 of Current Month						
Week 3 of Current Month						
Week 4 of Current Month						
Week 5 of Current Month						

Sampling is not required during periods when no wastewater is discharged to the LAAs.

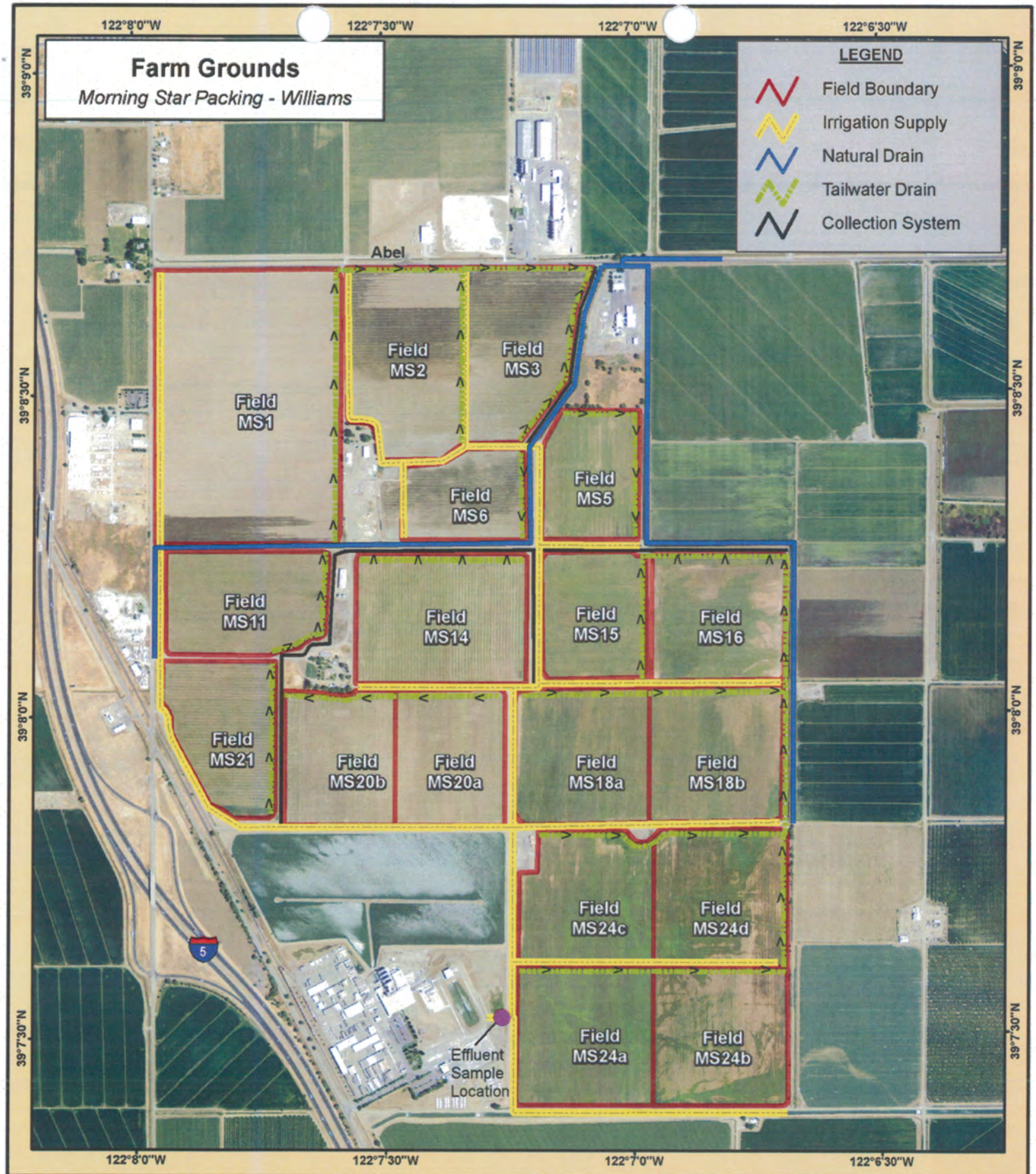
Average BOD Concentration (mg/L)[1]	
Average Monthly Total Nitrogen Concentration (mg/L)[2]	
Monthly Average FDS Concentration (mg/L)	
Flow Weighted Average FDS Concentration to Date (mg/L)[3]	

[1]See MRP Reporting Section A.4.

[2]Value to be used in annual loading calculation (WDR Section C.2.a).

[3]Calculated per WDR Section C.1.a (Show Calculations).

Attachment D



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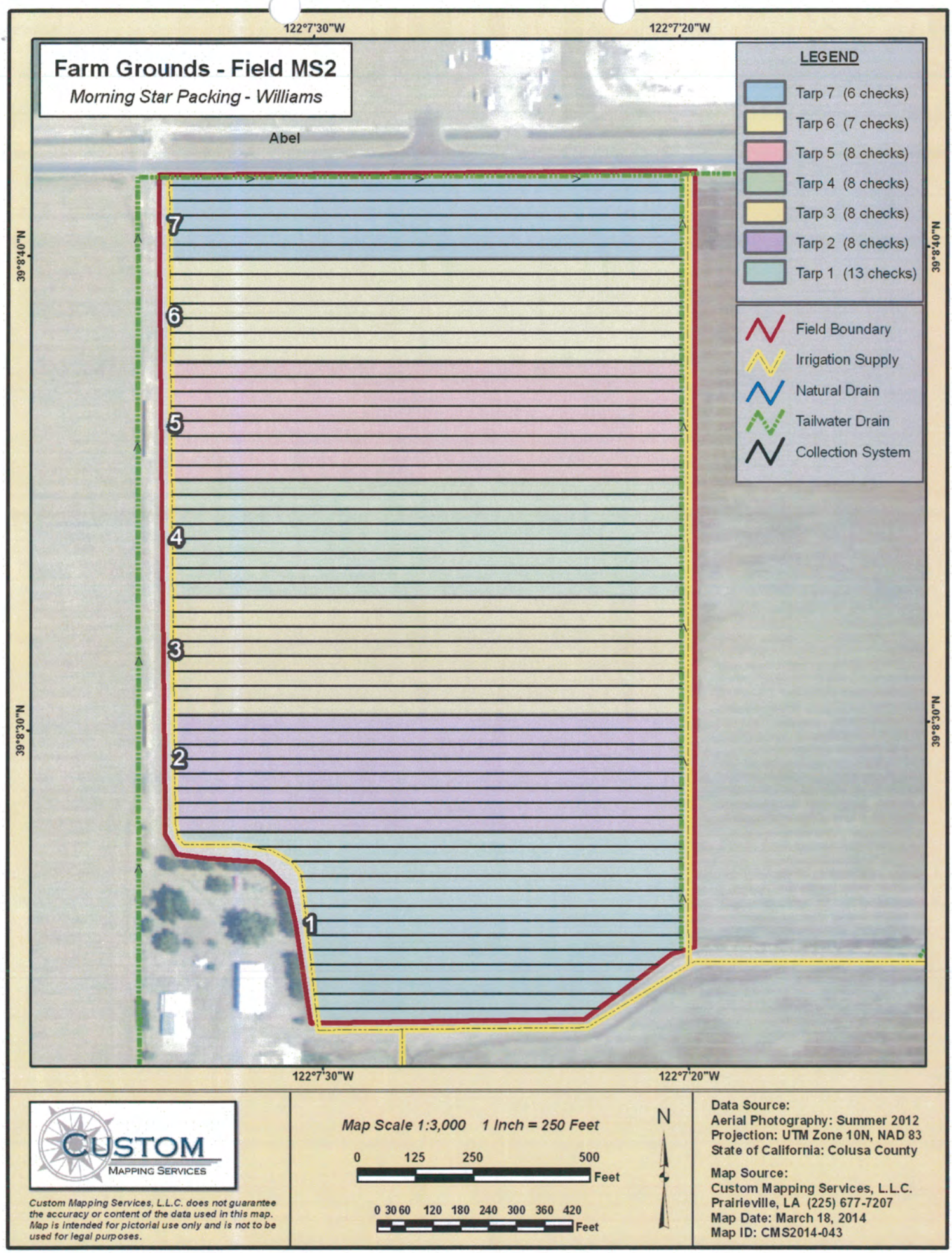
Map Scale 1:14,400 1 Inch = 1,200 Feet

0 300 600 1,200 1,800 2,400 Feet

N

Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: February 27, 2014
Map ID: CMS2014-038


Farm Grounds - Field MS2
Morning Star Packing - Williams
Abel
122°7'30"W
122°7'20"W
39°8'40"N
39°8'30"N
LEGEND
Tarp 7 (6 checks)
Tarp 6 (7 checks)
Tarp 5 (8 checks)
Tarp 4 (8 checks)
Tarp 3 (8 checks)
Tarp 2 (8 checks)
Tarp 1 (13 checks)
Field Boundary
Irrigation Supply
Natural Drain
Tailwater Drain
Collection System
7
6
5
4
3
2
1
CUSTOM
MAPPING SERVICES
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Map Scale 1:3,000 1 Inch = 250 Feet
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0 30 60 120 180 240 300 360 420 Feet
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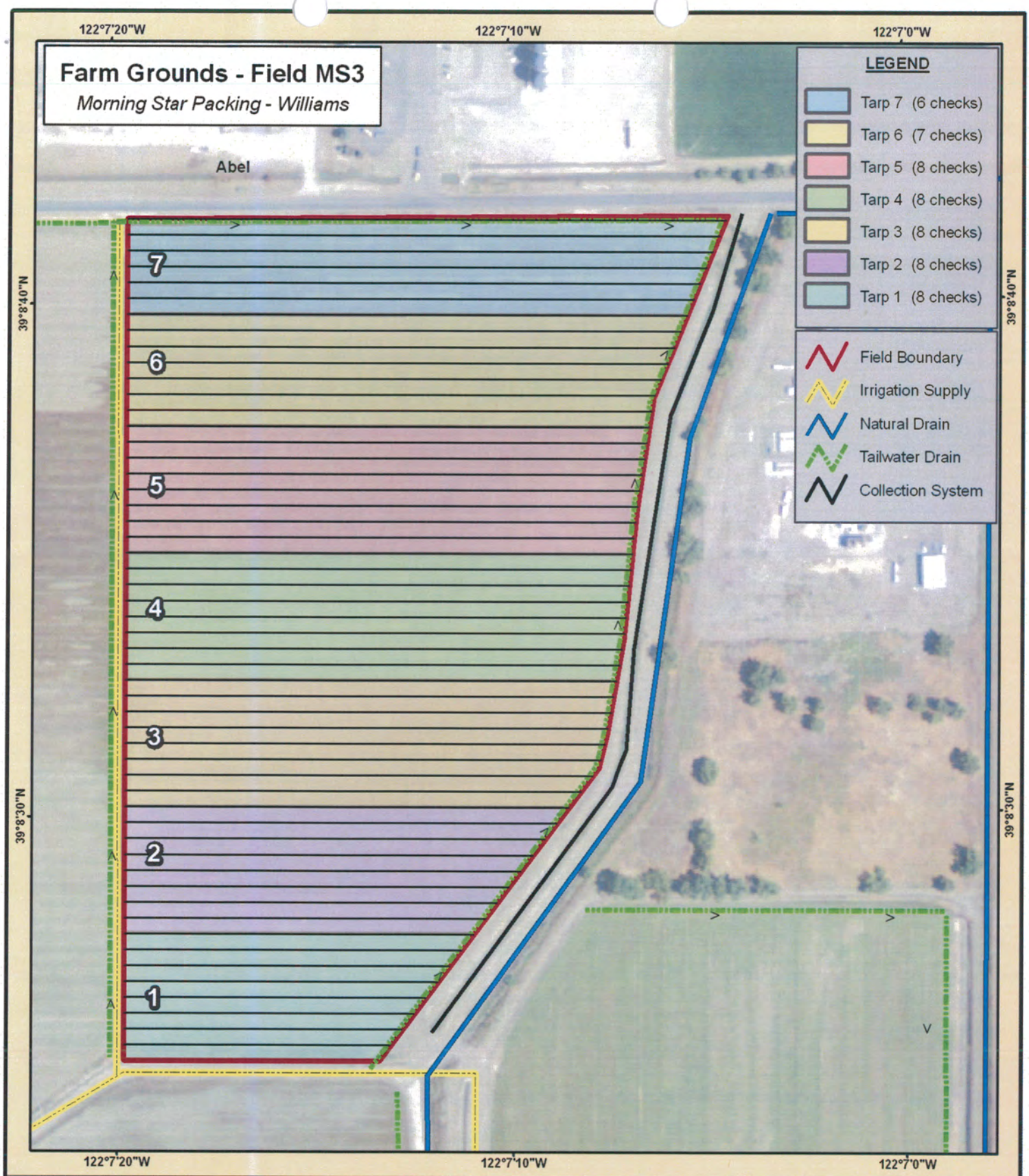
Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County
Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 18, 2014
Map ID: CMS2014-043



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Map Scale 1:3,000 1 Inch = 250 Feet

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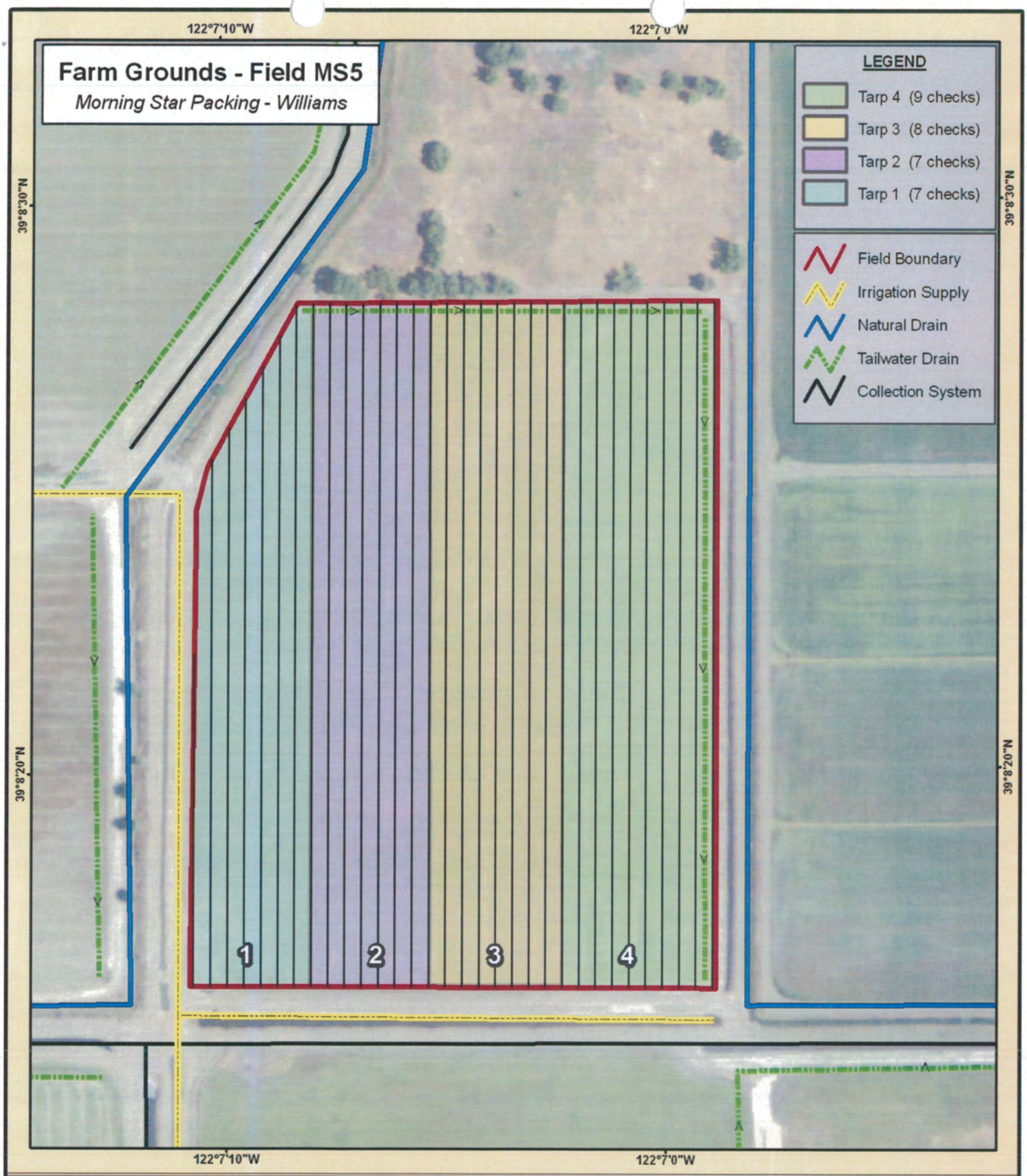
N

Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-044



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Map Scale 1:2,700 1 Inch = 225 Feet

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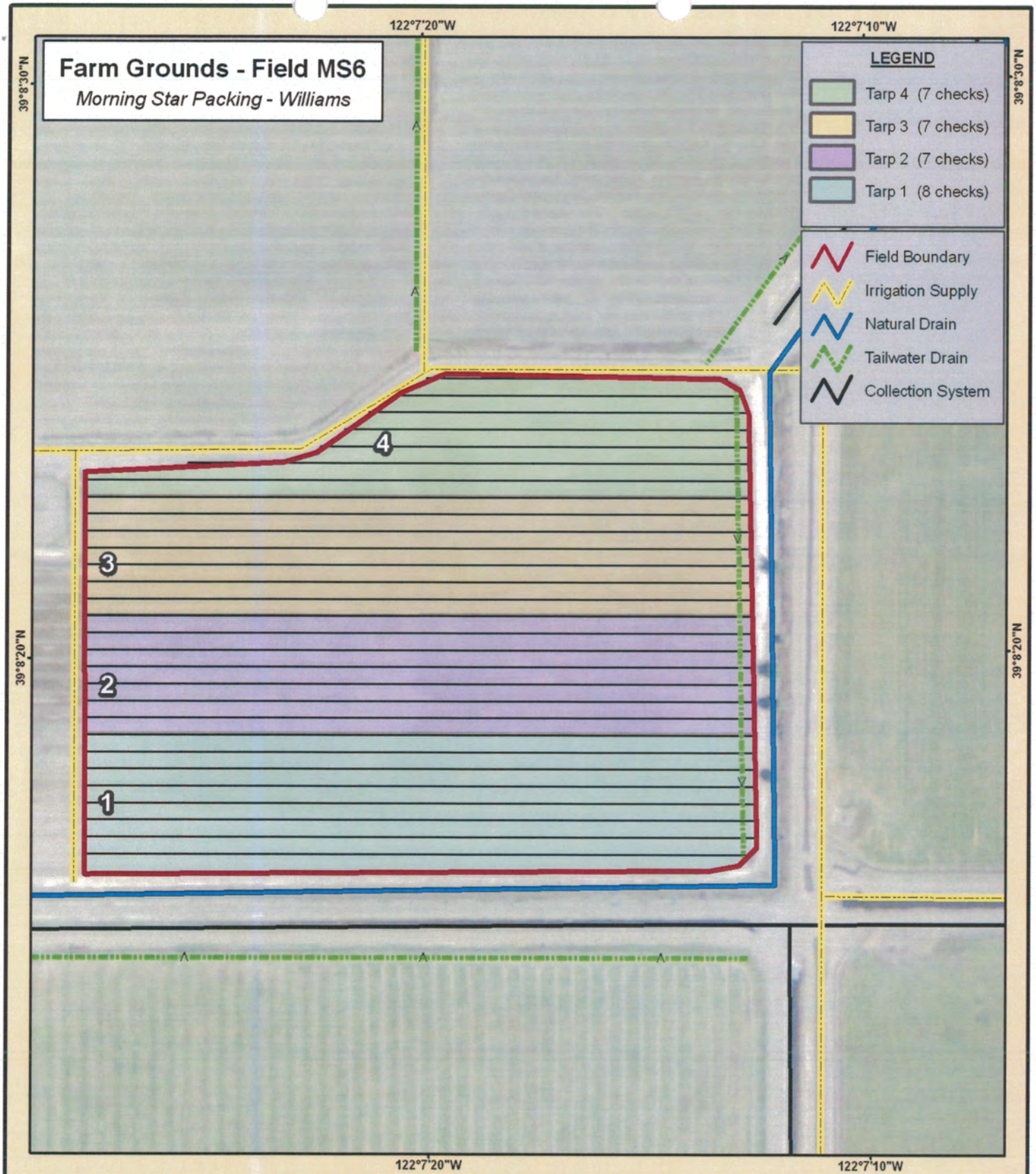
N

Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-049



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Map Scale 1:2,700 1 Inch = 225 Feet

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N

Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

Map Source:
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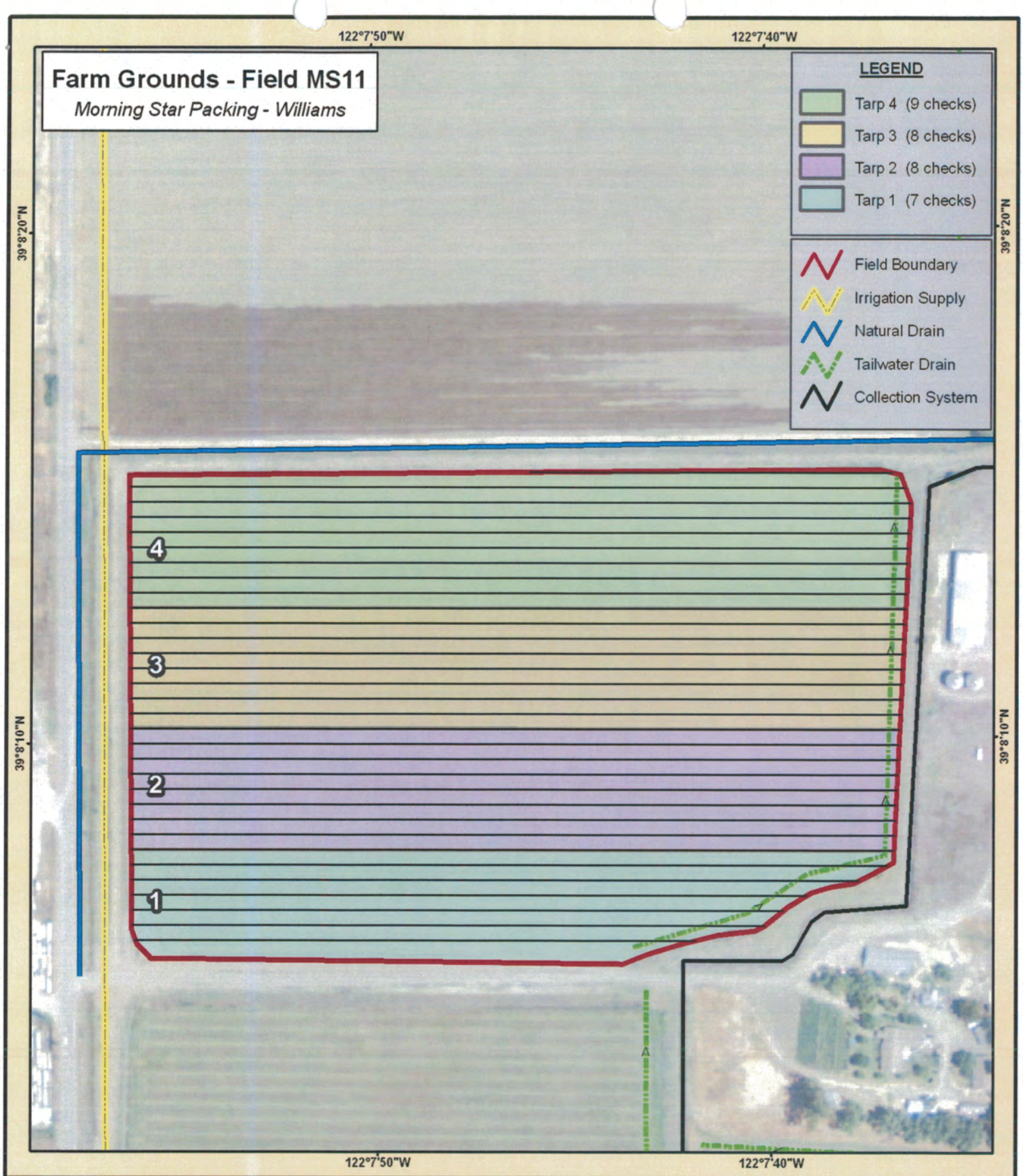
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-047



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Map Scale 1:3,000 1 Inch = 250 Feet

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N

Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

Map Source:
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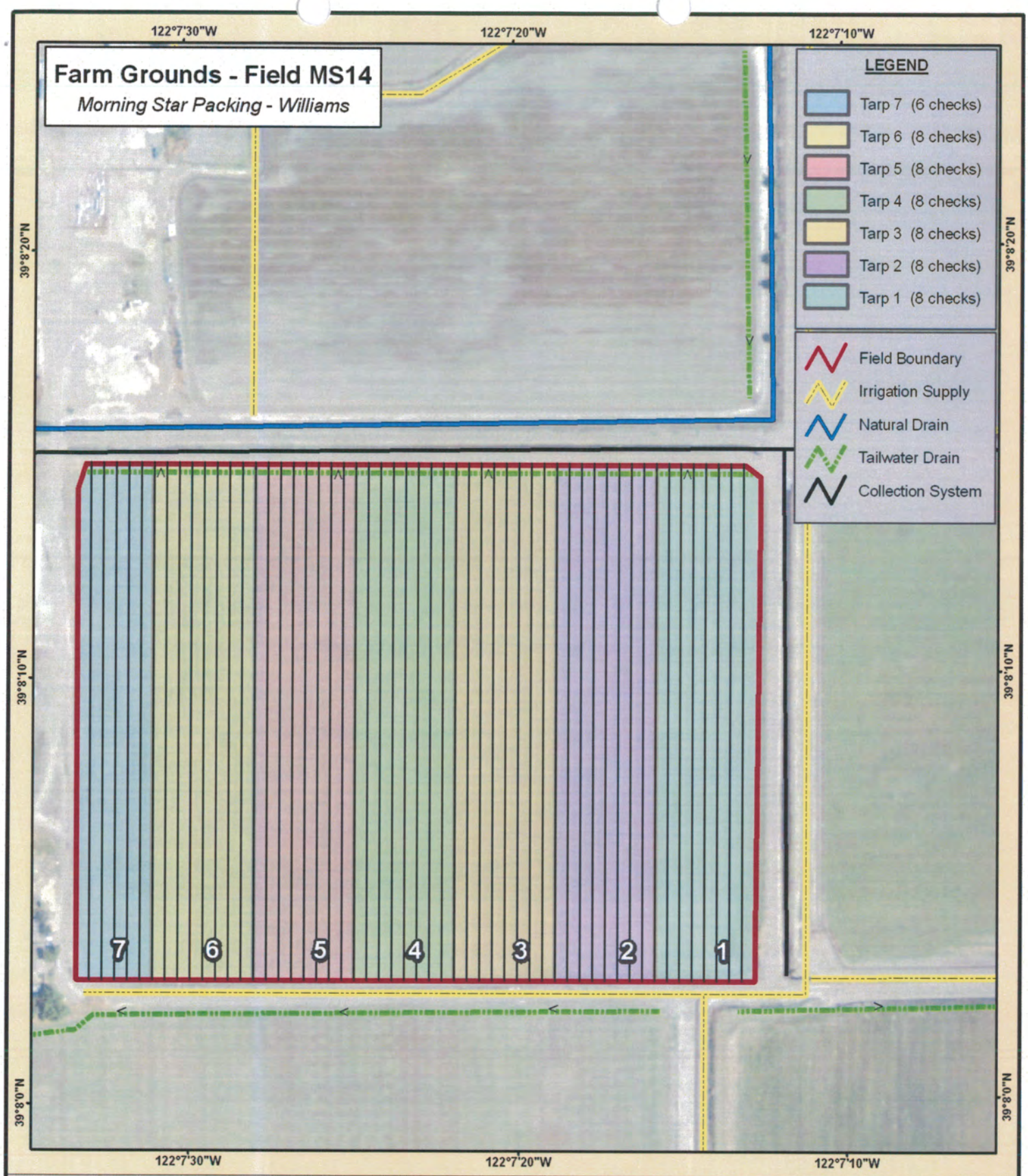
Map Date: March 24, 2014
Map ID: CMS2014-048



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Map Scale 1:3,600 1 Inch = 300 Feet

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N

Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

Map Source:
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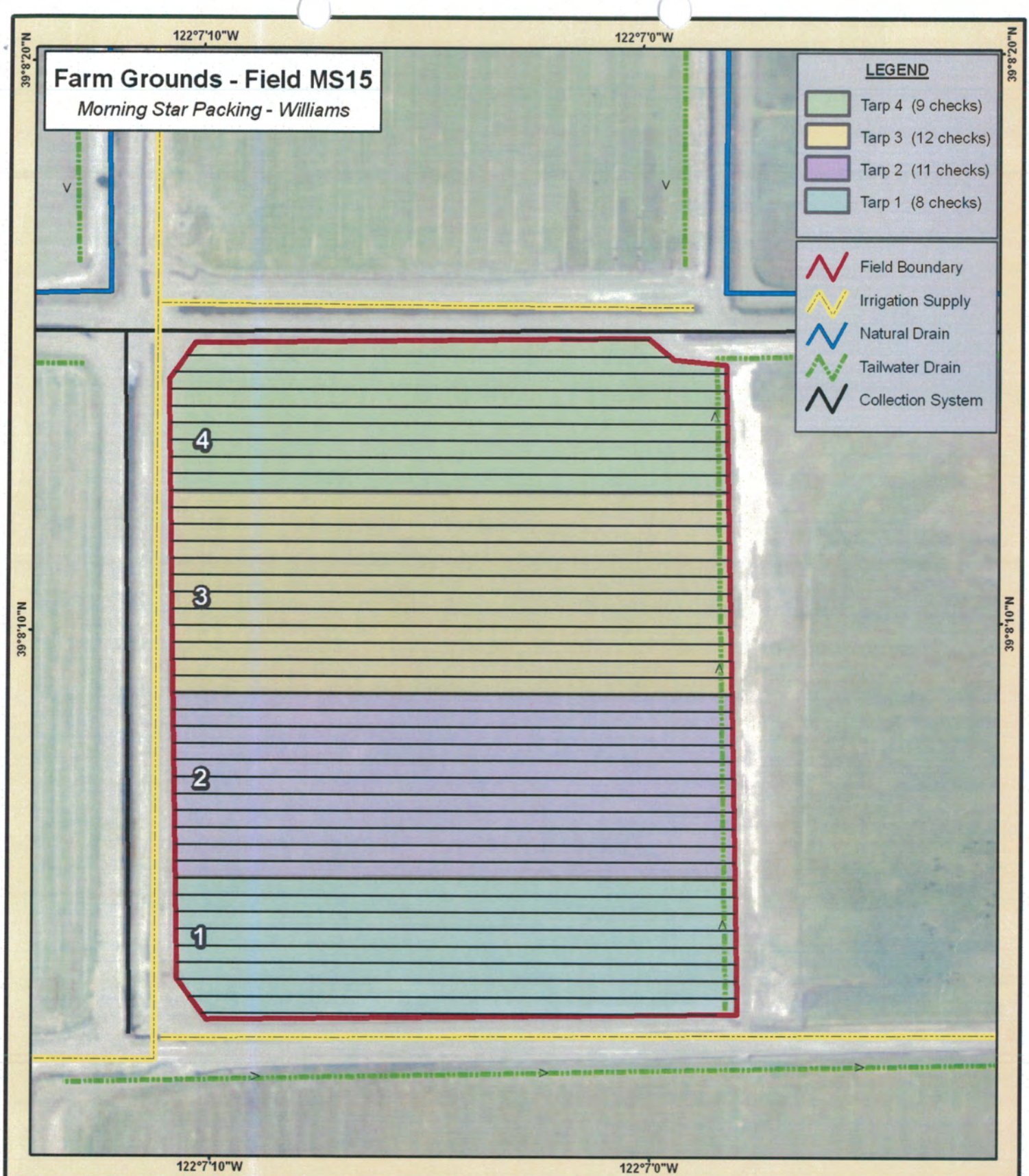
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-050



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Map Scale 1:2,700 1 Inch = 225 Feet

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N

Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

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Map Scale 1:3,840 1 Inch = 320 Feet

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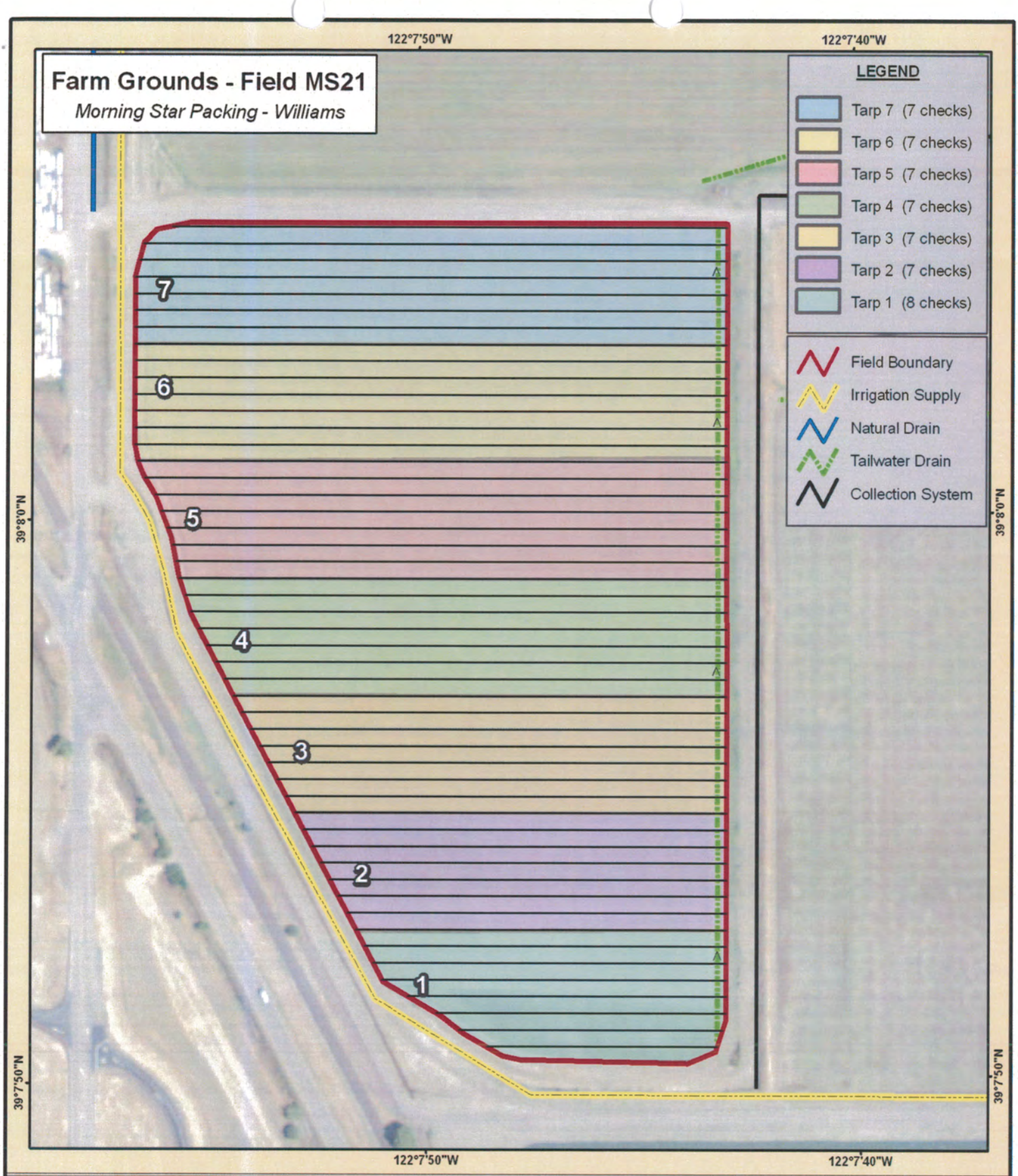
N

Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-051



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Map Scale 1:2,700 1 Inch = 225 Feet

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Data Source:
Aerial Photography: Summer 2012
Projection: UTM Zone 10N, NAD 83
State of California: Colusa County

Map Source:
Custom Mapping Services, L.L.C.
Prairieville, LA (225) 677-7207
Map Date: March 24, 2014
Map ID: CMS2014-046

Attachment E

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME MS2

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	41.05
Number of Checks	58
Check Width (feet)	30
Check Length (feet)**	1,100
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	4-Jun
Actual Planting Date	6/4/14
Anticipated Harvest Date	August 13, October 17
Actual Harvest Date	N/A
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

**Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3	11:30 AM	7:00 PM	0.00	Checks 1-8	Supp. Irrig	825	7.5	2.26	
	7:00 PM			Checks 9-13	Supp. Irrig	825	5	2.41	
4		8:00 AM	0.00	Checks 1-13	Supp. Irrig	825	8	3.86	
	8:00 AM		0.00	Checks 1-13	Supp. Irrig	825	16	2.97	
5		6:30 AM	0.00	Checks 1-13	Supp. Irrig	353	6.5	0.52	
	6:30 AM			Checks 14-19	Supp. Irrig	353	17.5	3.01	
6		6:00 AM	0.00	Checks 14-19	Supp. Irrig	715	6	2.09	
	6:00 AM			Checks 20-29	Supp. Irrig	715	18	3.76	
7		6:00 AM	0.00	Checks 20-29	Supp. Irrig	1645	6	2.89	
	6:00 AM			Checks 30-37	Supp. Irrig	1645	18	10.82	
8		6:00 AM	0.00	Checks 30-37	Supp. Irrig	1645	6	3.61	
	6:00 AM			Checks 38-44	Supp. Irrig	1645	18	12.37	
9		6:00 AM	0.00	Checks 38-44	Supp. Irrig	1645	6	4.12	
	6:00 AM			Checks 45-52	Supp. Irrig	1645	18	10.82	
10		6:00 AM	0.00	Checks 45-52	Supp. Irrig	720	6	1.58	
	6:30 AM			Checks 53-59	Supp. Irrig	720	17.5	5.26	
11		6:30 AM	0.00	Checks 53-59	Supp. Irrig	720	6.5	1.95	
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25	4:00 PM		0.00	Checks 1-8	Supp. Irrig	669	8	1.96	
26		7:00 AM	0.00	Checks 1-8	Supp. Irrig	629	7	1.61	
	7:00 AM	5:30 PM		Checks 9-14	Supp. Irrig	629	10.5	3.22	
	5:30 PM			Checks 15-23	Supp. Irrig	629	6.5	1.33	
27		7:00 AM	0.00	Checks 15-23	Supp. Irrig	374	7	0.85	
	7:00 AM	8:00 PM		Checks 24-31	Supp. Irrig	374	13	1.78	
	8:00 PM			Checks 32-38	Supp. Irrig	374	4	0.62	
28		5:00 PM	0.00	Checks 32-38	Supp. Irrig	730	17	5.18	
	5:00 PM			Checks 39-45	Supp. Irrig	730	7	2.13	
29		8:00 AM	0.00	Checks 39-45	Supp. Irrig	730	8	2.44	
	8:00 AM			Checks 46-52	Supp. Irrig	730	16	4.88	
30		2:00 AM	0.00	Checks 46-52	Supp. Irrig	517	2	0.43	
	2:00 AM	2:30 PM		Checks 53-59	Supp. Irrig	517	12.5	2.70	
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME MS3

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	41.05
Number of Checks	53
Check Width (feet)	30
Check Length (feet)**	1,000
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	5-Jun
Actual Planting Date	5-Jun
Anticipated Harvest Date	August 14, October 18
Actual Harvest Date	N/A
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3	10:00 AM	4:45 PM	0.00	Checks 1-6	Supp. Irrig	825	6.75	2.98	
	5:00 PM			Checks 7-19	Supp. Irrig	825	7	1.55	
4		8:30 AM	0.00		Supp. Irrig	825	8.5	1.88	
	8:30 AM	5:30 PM		Checks 1-6	Supp. Irrig	825	9	3.98	
	5:30 PM			Checks 1-18	Supp. Irrig	825	6.5	0.96	
5		6:30 AM	0.00	Checks 1-18	Supp. Irrig	353	6.5	0.41	
	6:30 AM			Checks 20-26	Supp. Irrig	353	17.5	2.48	
6		6:00 AM	0.00	Checks 20-26	Supp. Irrig	715	6	1.72	
	6:00 AM			Checks 27-30	Supp. Irrig	715	18	10.35	
7		6:00 AM	0.00	Checks 27-30	Supp. Irrig	1645	6	7.94	
	6:00 AM			Checks 31-35	Supp. Irrig	1645	18	19.05	
8		6:00 AM	0.00	Checks 31-35	Supp. Irrig	1645	6	6.35	
	6:00 AM			Checks 36-42	Supp. Irrig	1645	18	13.60	
9		6:00 AM	0.00	Checks 36-42	Supp. Irrig	1645	6	4.53	
	6:00 AM			Checks 43-49	Supp. Irrig	1645	18	13.60	
10		6:00 AM	0.00	Checks 43-49	Supp. Irrig	720	6	1.98	
	6:30 AM			Checks 50-54	Supp. Irrig	720	17.5	8.10	
11		6:30 AM	0.00	Checks 50-54	Supp. Irrig	720	6.5	3.01	
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25	4:00 PM		0.00	Checks 1-6	Supp. Irrig	669	8	2.87	
26		7:00 AM	0.00	Checks 1-6	Supp. Irrig	629	7	2.36	
	7:00 AM	7:00 PM		Checks 6-13	Supp. Irrig	629	12	3.03	
	7:00 PM			Checks 14-21	Supp. Irrig	629	5	1.26	
27		7:00 AM	0.00	Checks 14-21	Supp. Irrig	374	7	1.05	
	7:00 AM			Checks 22-29	Supp. Irrig	374	17	2.56	
28		4:00 AM	0.00	Checks 22-29	Supp. Irrig	730	4	1.17	
	4:00 AM	6:00 PM		Checks 30-37	Supp. Irrig	730	14	4.11	
	6:00 PM			Checks 38-45	Supp. Irrig	730	6	1.76	
29		9:00 AM	0.00	Checks 38-45	Supp. Irrig	517	9	1.87	
	9:00 AM			Checks 46-54	Supp. Irrig	517	15	2.77	
30		3:00 AM	0.00	Checks 46-54	Supp. Irrig	517	3	0.55	
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME MS5

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	24.6
Number of Checks	34
Check Width (feet)	30
Check Length (feet)**	1,200
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	3-Jul
Actual Planting Date	N/A
Anticipated Harvest Date	Sept 11, November 15
Actual Harvest Date	N/A
Expected Harvest Yield	N/A
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1	0.00						
2	0.00						
3	0.00						
4	0.00						
5	0.00						
6	0.00						
7	0.00						
8	0.00						
9	0.00						
10	0.00						
11	0.00						
12	0.00						
13	0.00						
14	0.00						
15	0.00						
16	0.00						
17	0.00						
18	0.00						
19	0.00						
20	0.00						
21	0.00						
22	0.00						
23	0.00						
24	0.00						
25	0.00						
26	0.00						
27	0.00						
28	0.00						
29	0.00						
30	0.00						
31	0.00						
Total	0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME MS6

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	21.4
Number of Checks	29
Check Width (feet)	30
Check Length (feet)**	1,300
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	3-Jul
Actual Planting Date	
Anticipated Harvest Date	Sept 11, November 15
Actual Harvest Date	N/A
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

**Est based on Google Earth

Day of Month	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1	0.00						
2	0.00						
3	0.00						
4	0.00						
5	0.00						
6	0.00						
7	0.00						
8	0.00						
9	0.00						
10	0.00						
11	0.00						
12	0.00						
13	0.00						
14	0.00						
15	0.00						
16	0.00						
17	0.00						
18	0.00						
19	0.00						
20	0.00						
21	0.00						
22	0.00						
23	0.00						
24	0.00						
25	0.00						
26	0.00						
27	0.00						
28	0.00						
29	0.00						
30	0.00						
31	0.00						
Total	0.00						

[1]**Calculations and assumptions shall be documented on a separate piece of paper**

[2]**See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.**

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]**See MRP footnote 5**

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME MS11

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	35.6
Number of Checks	32
Check Width (feet)	30
Check Length (feet)**	1,500
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	24-Jun
Actual Planting Date	24-Jun
Anticipated Harvest Date	Sept 2, Nov 6
Actual Harvest Date	N/A
Expected Harvest Yield	2 tons/acre
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

**Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23	8:00 AM		0.00	Checks 1-6	Suppl Irrig	943	16	5.39	
24		10:00 AM	0.00	Checks 1-6	Suppl Irrig	896	10	3.20	
	10:00 AM			Checks 7-13	Suppl Irrig	896	14	3.84	
25		1:00 PM	0.00	Checks 7-13	Suppl Irrig	1338	13	5.33	
	1:00 PM			Checks 14-20	Suppl Irrig	1338	11	4.51	
26		4:30 PM	0.00	Checks 14-20	Suppl Irrig	629	16.5	3.18	
	4:30 PM			Checks 21-32	Suppl Irrig	629	7.5	0.84	
27			0.00	Checks 21-32	Suppl Irrig	373.75	24	1.60	
28		10:30 AM	0.00	Checks 21-32	Suppl Irrig	730	10.5	1.37	
29			0.00						
30			0.00						
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME MS14

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	44.5
Number of Checks	54
Check Width (feet)	30
Check Length (feet)**	1,250
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

Crop Information

Crop Name	Grass Hay
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	June 19th
Actual Planting Date	2008
Anticipated Harvest Date	August 28, Nov 1
Actual Harvest Date	N/A
Expected Harvest Yield	2 tons/acre
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

**Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						0
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25			0.00						
26			0.00						
27			0.00						
28			0.00						
29			0.00						
30			0.00						
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME MS15

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	26.7
Number of Checks	40
Check Width (feet)	30
Check Length (feet)**	1,000
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	30-Jun
Actual Planting Date	30-Jun
Anticipated Harvest Date	Sept 8, Nov 12
Actual Harvest Date	N/A
Expected Harvest Yield	N/A
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

**Est based on Google Earth

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25			0.00						
26			0.00						
27			0.00						
28			0.00						
29			0.00						
30	4:00 PM		0.00	Checks 1-7	Suppl. Irrig		8.00	0.00	
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME MS16

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	36.7
Number of Checks	*42
Check Width (feet)	30
Check Length (feet)**	1,240
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

*Estimated & Calculated based on Google Earth with 30' checks
**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	1-Jul
Actual Planting Date	
Anticipated Harvest Date	Sept 9, Nov 13
Actual Harvest Date	N/A
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25			0.00						
26			0.00						
27			0.00						
28			0.00						
29			0.00						
30	5:00 PM		0.00	Checks 1-5	Suppl. Irrig		7.00	0.00	
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME: MS18a

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	39.1
Number of Checks*	42
Check Width (feet)	30
Check Length (feet)**	1,300
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

*Estimated & Calculated based on Google Earth with 30' checks
**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	23-Jun
Actual Planting Date	23-Jun
Anticipated Harvest Date	Sept 1, Nov 5
Actual Harvest Date	N/A
Expected Harvest Yield	N/A
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23	7:00 AM		0.00	Checks 1-7	Suppl. Irrig	943	17.00	5.66	
24		11:00 AM	0.00	Checks 1-7	Suppl. Irrig	896	11	3.48	
	11:00 AM			Checks 6-13	Suppl. Irrig	896	13	3.60	
25		9:00 AM	0.00	Checks 6-13	Suppl. Irrig	1338	9	3.72	
	9:00 AM			Checks 14-20	Suppl. Irrig	1338	15	7.09	
26		8:30 AM	0.00	Checks 14-20	Suppl. Irrig	629	8.5	1.89	
	8:30 AM			Checks 21-27	Suppl. Irrig	629	15.5	3.45	
27		3:00 AM	0.00	Checks 21-27	Suppl. Irrig	374	3	0.40	
	3:00 AM	7:00 PM		Checks 28-34	Suppl. Irrig	374	16	2.11	
	7:00 PM			Checks 34-42	Suppl. Irrig	374	5	0.51	
28		3:00 PM	0.00	Checks 34-42	Suppl. Irrig	730	15	3.01	
29			0.00						
30			0.00						
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME: MS18b

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	39.1
Number of Checks*	43
Check Width (feet)	30
Check Length (feet)**	1,300
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

*Estimated & Calculated based on Google Earth with 30' checks
**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	23-Jun
Actual Planting Date	23-Jun
Anticipated Harvest Date	Sept 1, Nov 5
Actual Harvest Date	N/A
Expected Harvest Yield	N/A
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25			0.00						
26			0.00						
27	7:00 PM		0.00	Check 42	Suppl. Irrig			0.00	
28		3:00 PM	0.00	Check 42	Suppl. Irrig			0.00	
	3:00 PM			Checks 43-49	Suppl. Irrig			0.00	
29		2:00 PM	0.00	Checks 43-49	Suppl. Irrig			0.00	
	3:00 PM			Checks 50-57	Suppl. Irrig			0.00	
30		11:30am	0.00	Checks 50-57	Suppl. Irrig			0.00	
	11:30am			Checks 58-64	Suppl. Irrig			0.00	
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME: MS20a

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	32.3
Number of Checks	34
Check Width (feet)	30
Check Length (feet)**	1,250
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	10-Jun
Actual Planting Date	10-Jun
Anticipated Harvest Date	Aug 19, Oct 23
Actual Harvest Date	N/A
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8	1:00 PM		0.00	Checks 1-11	Supp. Irrig	1645	11	4.23	
9			0.00	Checks 1-11	Supp. Irrig	1645	24	9.23	
10		8:00 AM	0.00	Checks 1-11	Supp. Irrig	720	8	1.35	
	8:00 AM			Checks 12-19	Supp. Irrig	720	16	3.70	
11		8:00 AM	0.00	Checks 12-19	Supp. Irrig	720	8	1.85	
	8:00 AM			Checks 20-28	Supp. Irrig	720	16	3.29	
12		8:00 AM	0.00	Checks 20-28	Supp. Irrig	720	8	1.65	
	8:00 AM			Checks 29-34	Supp. Irrig	475	16	3.26	
13		7:00 AM	0.00	Checks 29-34	Supp. Irrig	475	7	1.43	
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25			0.00						
26	10:30 AM	15:00	0.00	Checks 1-5	Supp. Irrig	629	4.5	1.46	
27			0.00						
28			0.00						
29			0.00						
30			0.00						
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant

MONTH	June
YEAR	2014

COUNTY: Colusa

WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME: MS20b

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	32.3
Number of Checks	35
Check Width (feet)	30
Check Length (feet)**	1,250
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	10-Jun
Actual Planting Date	10-Jun
Anticipated Harvest Date	Aug 19, Oct 23
Actual Harvest Date	N/A
Expected Harvest Yield	3 tons/acre
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12	8:00 AM			Checks 35-37	Supp. Irrig	238	16	3.26	
13		7:00 AM	0.00	Checks 35-37	Supp. Irrig	238	7	1.43	
	7:00 AM			Checks 38-46	Supp. Irrig	238	17	1.15	
14		6:00 AM	0.00	Checks 38-46	Supp. Irrig	790	6	1.36	
	6:00 AM			Checks 47-53	Supp. Irrig	790	18	5.23	
15		6:00 AM	0.00	Checks 47-53	Supp. Irrig	720	6	1.59	
	6:00 AM			Checks 54-60	Supp. Irrig	720	18	4.76	
16		3:00 AM	0.00	Checks 54-60	Supp. Irrig	900	3	0.99	
	3:00 AM	11:30 PM		Checks 61-70	Supp. Irrig	900	21.5	4.98	
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25			0.00						
26			0.00						
27			0.00						
28			0.00						
29			0.00						
30			0.00						
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant

MONTH	June
YEAR	2014

COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME: MS21

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	25.9
Number of Checks	50
Check Width (feet)	30
Check Length (feet)**	750
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	28-Jun
Actual Planting Date	28-Jun
Anticipated Harvest Date	Sept 6, Nov 10
Actual Harvest Date	N/A
Expected Harvest Yield	2 tons/acre
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19			0.00						
20			0.00						
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25			0.00						
26			0.00						
27			0.00						
28	1:00 PM		0.00	Checks 1-8	Supp. Irrig		11	0.00	
29		7:00 AM	0.00	Checks 1-8	Supp. Irrig		7	0.00	
	7:00 AM	5:00 PM		Checks 9-16	Supp. Irrig		10	0.00	
	5:00 PM			Checks 17-24	Supp. Irrig		7	0.00	
30		8:00 AM	0.00	Checks 17-24	Supp. Irrig		8	0.00	
	8:00 AM			Checks 25-31	Supp. Irrig		16	0.00	
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME: MS24a

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	39.95
Number of Checks*	44
Check Width (feet)	30
Check Length (feet)**	2,600
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

*Estimated & Calculated based on Google Earth with 30' checks
**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	15-Jun
Actual Planting Date	15-Jun
Anticipated Harvest Date	Aug 24, Oct 28
Actual Harvest Date	N/A
Expected Harvest Yield	N/A
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14	8:00 AM	4:00 PM	0.00	Checks 1-9	Suppl. Irrig	700	8	0.77	
	4:00 PM			Checks 1-11	Suppl. Irrig	700	8	0.63	
15		1:45 PM	0.00	Checks 1-11	Suppl. Irrig	700	13.8	1.09	
	1:45 PM			Checks 6-17	Suppl. Irrig	700	10.2	0.74	
16		2:00 AM	0.00	Checks 6-17	Suppl. Irrig	700	2	0.14	
	2:00 AM			Checks 10-21	Suppl. Irrig	700	22	1.59	
17		2:00 AM	0.00	Checks 10-21	Suppl. Irrig	700	2	0.14	
	2:00 AM	6:00 AM		Checks 19-25	Suppl. Irrig	700	4	0.49	
	6:00 AM	10:00 AM		Checks 22-28	Suppl. Irrig	700	4	0.49	
	10:00 AM			Checks 22-31	Suppl. Irrig	700	14	1.21	
18		6:00 AM	0.00	Checks 22-31	Suppl. Irrig	700	6	0.52	
	6:00 AM			Checks 32-41	Suppl. Irrig	700	18	1.56	
19		7:00 AM	0.00	Checks 32-41	Suppl. Irrig	700	7	0.61	
	7:00 AM			Checks 40-44	Suppl. Irrig	700	17	2.94	
20		6:00 AM	0.00	Checks 40-44	Suppl. Irrig	700	18	3.12	
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25			0.00						
26			0.00						
27			0.00						
28			0.00						
29			0.00						
30			0.00						
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME: MS24b

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	39.95
Number of Checks*	44
Check Width (feet)	30
Check Length (feet)**	2,600
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

*Estimated & Calculated based on Google Earth with 30' checks
**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	15-Jun
Actual Planting Date	15-Jun
Anticipated Harvest Date	Aug 24, Oct 28
Actual Harvest Date	N/A
Expected Harvest Yield	N/A
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19	9:00 AM		0.00	Checks 1-5	Suppl. Irrig	700	15	2.60	
20		7:00 AM	0.00	Checks 1-5	Suppl. Irrig	700	7	1.21	
	7:00 AM	10:00 PM		Checks 1-11	Suppl. Irrig	700	15	1.18	
	10:00 PM			Checks 1-12	Suppl. Irrig	700	2	0.14	
21		6:00 AM	0.00	Checks 1-12	Suppl. Irrig	700	6	0.43	
	6:00 AM	7:00 AM		Checks 10-12	Suppl. Irrig	700	1	0.29	
	7:00 AM			Checks 10-19	Suppl. Irrig	700	17	1.47	
22		2:00 AM	0.00	Checks 10-19	Suppl. Irrig	700	2	0.17	
	2:00 AM			Checks 20-26	Suppl. Irrig	700	22	2.72	
23		4:00 PM	0.00	Checks 20-26	Suppl. Irrig	700	16	1.98	
	4:00 PM			Checks 27-33	Suppl. Irrig	700	8	0.99	
24		5:00 PM	0.00	Checks 27-33	Suppl. Irrig	700	17	2.10	
	5:00 PM			Checks 34-41	Suppl. Irrig	700	7	0.76	
25			0.00	Checks 34-41	Suppl. Irrig			0.00	
26		6:00 AM	0.00	Checks 34-41	Suppl. Irrig			0.00	
27			0.00						
28			0.00						
29			0.00						
30			0.00						
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant

MONTH	June
YEAR	2014

COUNTY: Colusa
WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME: MS24c

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	39.95
Number of Checks*	44
Check Width (feet)	30
Check Length (feet)**	2,600
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

*Estimated & Calculated based on Google Earth with 30' checks
**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	15-Jun
Actual Planting Date	15-Jun
Anticipated Harvest Date	Aug 24, Oct 28
Actual Harvest Date	N/A
Expected Harvest Yield	N/A
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14	8:00 AM		0.00	Checks 1-10	Suppl. Irrig	700	16	1.39	
15		7:00 AM		Checks 1-10	Suppl. Irrig	700	7	0.61	
	7:00 AM	2:00 PM	0.00	Checks 1-17	Suppl. Irrig	700	7	0.36	
	2:00 PM			Checks 8-23	Suppl. Irrig	700	10	0.54	
16		6:00 AM	0.00	Checks 8-23	Suppl. Irrig	700	6	0.32	
	6:00 AM			Checks 17-30	Suppl. Irrig	700	18	1.11	
17		6:00 AM	0.00	Checks 17-30	Suppl. Irrig	700	6	0.37	
	6:00 AM			Checks 17-38	Suppl. Irrig	700	18	0.71	
18		2:00 AM	0.00	Checks 17-38	Suppl. Irrig	700	2	0.08	
	2:00 AM	7:00 AM		Checks 25-38	Suppl. Irrig	700	5	0.31	
	7:00 AM			Checks 32-38	Suppl. Irrig	700	17	2.10	
19		3:00 AM	0.00	Checks 32-38	Suppl. Irrig	700	3	0.37	
	3:00 AM			Checks 38-44	Suppl. Irrig	700	21	2.60	
20		3:00 AM	0.00	Checks 38-44	Suppl. Irrig	700	3	0.37	
21			0.00						
22			0.00						
23			0.00						
24			0.00						
25			0.00						
26			0.00						
27			0.00						
28			0.00						
29			0.00						
30			0.00						
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant

MONTH	June
YEAR	2014

COUNTY: Colusa

WDRs Order: R5-2013-0144

LAND APPLICATION AREA MONITORING RESULTS FOR FIELD NAME: MS24d

(Submit one sheet for each field irrigated during the month)

Field Irrigation Information

Area (acres)	39.95
Number of Checks*	44
Check Width (feet)	30
Check Length (feet)**	2,600
Irrigation Application Days	N/A
Irrigation Resting Days	N/A
Irrigation Cycle Days	N/A

*Estimated & Calculated based on Google Earth with 30' checks
**Est based on Google Earth

Crop Information

Crop Name	Sudan Grass
Crop ET (Inches)	
Total Nitrogen Demand (lb/ac)	
Anticipated Planting Date	15-Jun
Actual Planting Date	15-Jun
Anticipated Harvest Date	Aug 24, Oct 28
Actual Harvest Date	N/A
Expected Harvest Yield	N/A
Actual Harvest Yield	N/A

Cattle Grazing Schedule

Number of Cattle on Field	0
Cattle Grazing Start Date	N/A
Cattle Grazing End Date	N/A
BOD Mass/Head (lb/day/head)	N/A
Nitrogen Mass/Head (lb/day/head)	N/A

Day of Month	Start Time	End Time	Precipitation (Inches)	Names of Checks Irrigated Each Day	Types of Water Applied (wastewater, cooling water, supplemental irrigation)	Estimated Flow Rate to Each Check (gpm)	Total Irrigation Hours for Each Check	Total Volume of Water Applied to Each Check (inches)[1]	BOD Loading Rate as an Irrigation Cycle Average (lb/ac/day)[2]
1			0.00						
2			0.00						
3			0.00						
4			0.00						
5			0.00						
6			0.00						
7			0.00						
8			0.00						
9			0.00						
10			0.00						
11			0.00						
12			0.00						
13			0.00						
14			0.00						
15			0.00						
16			0.00						
17			0.00						
18			0.00						
19	7:00 AM		0.00	Checks 1-5	Suppl. Irrig	700	17	2.94	
20		3:00 AM	0.00	Checks 1-5	Suppl. Irrig	700	3	0.52	
	3:00 AM			Checks 1-10	Suppl. Irrig	700	21	1.82	
21		3:00 AM	0.00	Checks 1-10	Suppl. Irrig	700	3	0.26	
	3:00 AM	6:00 AM		Checks 6-10	Suppl. Irrig	700	3	0.52	
	6:00 AM			Checks 11-17	Suppl. Irrig	700	18	2.23	
22		7:00 AM	0.00	Checks 11-17	Suppl. Irrig	700	7	0.87	
	7:00 AM	11:00 PM		Checks 18-25	Suppl. Irrig	700	16	1.73	
	11:00 PM			Checks 26-33	Suppl. Irrig	700	1	0.11	
23		5:00 PM	0.00	Checks 26-33	Suppl. Irrig	700	17	1.84	
	5:00 PM			Checks 34-41	Suppl. Irrig	700	7	0.76	
24			0.00	Checks 34-41	Suppl. Irrig	700	24	2.60	
25		6:30 AM	0.00	Checks 34-41	Suppl. Irrig	700	6.5	0.70	
26			0.00						
27			0.00						
28			0.00						
29			0.00						
30			0.00						
31			0.00						
Total			0.00						

[1]Calculations and assumptions shall be documented on a separate piece of paper

[2]See MRP page 3, "Land Application Area" footnote 4 for calculation instructions. Calculations and assumptions shall be documented on a separate piece of paper.

Total Nitrogen Loading Rate for Month (lb/ac)[3]	0

[3]See MRP footnote 5

MONTHLY MONITORING REPORT

DISCHARGER: Morming Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order R5-2013-0144

MONTH	June
YEAR	2014

LAND APPLICATION AREA MONITORING TOTAL NITROGEN LOADING RESULTS

LAA Field	~~Gobel~~	MS 1	MS 2	MS 3	MS 5	MS 6	MS 11	MS 14	MS 15	MS 16	MS 18a	MS 18b	MS 20a	MS 20b	MS 21	MS 24a	MS 24b	MS 24c	MS 24d
Acres of LAA Irrigated																			
Total Nitrogen Loading from Wastewater (lbs/ac/month)																			
Total Nitrogen Loading Rate from Settling Pond Solids (lbs/ac/month)					123	123			123	123					123				
Total Nitrogen Loading Rate from Cooling Pond Solids (lbs/ac/month)																			
Total Nitrogen Loading Rate from Residual Solids (lbs/ac/month)																			
Total Nitrogen Loading Rate from Cattle/ Manure (lbs/ac/month)																			
Total Nitrogen Loading Rate from Commercial Fertilizers (lbs/ac/month)			56	14		63	14	63	0	0	82	82	119	119	0	82	82	82	82
Cumulative Annual Total Nitrogen Value (lbs/ac/year)			56	14	123	186	14	63	123	123	82	82	119	119	123	82	82	82	82
Annual Crop Demand (lbs/ac/year)																			

Attachment F

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order: R5-2013-0144

MONTHLY MONITORING REPORT : Facility Not Processing, Land Application Monitoring N/A

MONTH	June
YEAR	2014

LAND APPLICATION AREA WASTEWATER INSPECTION MONITORING

Field No.		**Technician**	
Date		**Weather**	

1. Any evidence of erosion: yes/no_____

2. Berm Condition:_____

3. Standpipe and flow control valve condition_____

4. Are the valves being used properly: yes/no_____

5. Is there any soil saturation: yes/no_____

6. Is there any ponding: yes/no_____

7. Is there any potential runoff to offsite areas: yes/no_____

8. Is there any potential and actual discharge to surface water: yes/no_____

9. Are there any accumulation of organic solids at soil surface: yes/no

10. Is there any soil clogging: yes/no_____

11. Are there any odors that have the potential to be objectionable at or beyond the property boundary: yes/no_____

12. Are there any insects: yes/no_____

13. Temperature and wind direction/strength_____

14. Other observations_____

At least once per week when wastewater is being applied to the land application areas, the application areas in use shall be inspected to identify any equipment malfunction or other circumstance that might allow wastewater or irrigation runoff to leave each LAA and/or create conditions that violate the Waste Discharge Requirements. A log of these inspections shall be kept at the facility and summarized for submittal with the monthly monitoring reports.

In accordance with Section A.5 of the Monitoring Report, please attach a current site plan depicting the irrigation checks within each LAA field that will be used during the calendar year, including all water conveyance ditches and internal berms that divide each LAA (where applicable).

Attachment G

DISCHARGER: Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order R5-2013-0144

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

RESIDUAL SOLIDS MONITORING : Facility Not Processing, Solids Monitoring N/A

Date	Type of Solids Generated	Volume of Solids Generated (tons)[1]	Volume of Solids Disposed of Offsite (tons)	Offsite Solids Disposal Location[2]	Volume of Solids Disposed of Onsite (tons)	Onsite Solids Disposal Location[3]

[1]Volume of Solids Generated. Solids may include pomace, seeds, stems, diatomaceous earth, screenings, pond solids, and sump solids, or other material.

[2]Volume Disposed of Off-site. Describe the disposal method (e.g. animal feed, land application, off-site composting, landfill, etc.) and the name of the hauling company.

[3]Volume Disposed of On-site; location of on-site disposal (e.g. land application area field); method of application, spreading, and incorporation; application rate (tons/acre), and results from weekly grab sample analysis for total nitrogen.

Attachment H

DISCHARGE Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Order R5-2013-0144

MONTHLY MONITORING REPORT

MONTH	June
YEAR	2014

FIELD INSTRUMENT CALIBRATION LOG

Monitoring Week	Date	Time	Lower Standard pH Buffer	Lower Standard Stabilized pH	Lower pH Standard Calibrated pH	Upper Standard pH Buffer	Upper Standard Stabilized pH	Upper Standard Calibrated pH	DO Initial Reading	Electrolyte Solution Added	DO Reading after Calibration	Technican's Initials
Week 1												
Week 2												
Week 3												
Week 4	6/30/14	8:50	4	3.9		10	9.8		4.1	N/A	N/A	JI
Week 5												

If either calibrated pH value is more than 0.2 higher or lower than its corresponding pH buffer value, recalibrate the meter before using it in the field.

DISCHARG Morning Star Packing Company, LP and Fred Gobel
FACILITY: Morning Star Tomato Packing Plant
COUNTY: Colusa
WDRs Orde R5-2013-0144

MONTHLY MONITORING REPORT

MONTH	
YEAR	2014

FIELD INSTRUMENT CALIBRATION LOG

Monitoring Week	Date	Time	Lower Standard pH Buffer	Lower Standard Stabilized pH	Lower pH Standard Calibrated pH	Upper Standard pH Buffer	Upper Standard Stabilized pH	Upper Standard Calibrated pH	DO Initial Reading	Electrolyte Solution Added	DO Reading after Calibration	Technican's Initials
Week 1												
Week 2												
Week 3												
Week 4												
Week 5	6/30/14	850 AM	4	3.9		10	9.8		4.1	NA	NA	JP

If either calibrated pH value is more than 0.2 higher or lower than its corresponding pH buffer value, recalibrate the meter before using it in the field.

INSTRUMENT CALIBRATION REPORT

Aqua Sierra Controls, Inc.
1650 Industrial Drive
Auburn, CA 95603
Phone (800) 649-4287
Fax (530) 823-3475
service@aquasierra.com
www.aquasierra.com

Attn: JAMES BRISCO
MORNING STAR PACKING COMPANY
2211 OLD HIGHWAY 99
WILLIAMS, CA 95987

Instrument ID 01
Description FLOW METER
Serial Number A1J001295
Model Number U SONIC R

Calibrated 5/30/2014
Scheduled 5/30/2015
Calibration ID 21526
Certificate # 01
Equipment ID
Department
Manufacturer DREXEL BROOK
Calibration Type INITIAL
Location SETTLING POND
Building OUTSIDE

Calibration Specifications

Stated Accy Pct of Reading

In Val	In Type	Out Val	Out Type	Fnd As	Error %	Lft As	Error %
0.00	FEET H2O	0.00	GPM	0.00	0.00%	0.00	0.00%
0.20	FEET H2O	334.20	GPM	330.00	-1.26%	330.00	-1.26%
0.54	FEET H2O	1483.00	GPM	1,483.00	0.00%	1,483.00	0.00%
0.71	FEET H2O	2235.00	GPM	2,275.00	1.79%	2,275.00	1.79%
0.87	FEET H2O	3032.00	GPM	3,068.00	1.19%	3,068.00	1.19%

Test Instruments Used During the Calibration

Test Instrument ID	Description	Manufacturer	Model Number	Serial Number
101	ULTRASONIC TEST STAND	ASC	1076-10	ASC-04-KEN

Notes about this calibration
2.5' RECTANGULAR WEIR
ZERO DISTANCE = 2.74'
VERIFIED LEVEL READING AT WEIR

Calibration Result Calibration Successful
Who Calibrated KEN LANE

INSTRUMENT CALIBRATION REPORT

Aqua Sierra Controls, Inc.
1650 Industrial Drive
Auburn, CA 95603
Phone (800) 649-4287
Fax (530) 823-3475
service@aquasierra.com
www.aquasierra.com

Attn: JAMES BRISCO
MORNING STAR PACKING COMPANY
2211 OLD HIGHWAY 99
WILLIAMS, CA 95987

Instrument ID	02	**Serial Number**	A1J000210
Description	FLOW METER	**Model Number**	U SONIC R
Calibrated	5/30/2014	**Department**	
Scheduled	5/30/2015	**Manufacturer**	DREXEL BROOK
Calibration ID	21527	**Calibration Type**	INITIAL
Certificate #	02	**Location**	COOLING POND
Equipment ID		**Building**	OUTSIDE

Calibration Specifications

Stated Accy Pct of Reading

In Val	In Type	Out Val	Out Type	Fnd As	Error %	Lft As	Error %
0.00	FEET H2O	0.00	GPM	0.00	0.00%	0.00	0.00%
0.22	FEET H2O	301.70	GPM	299.00	-0.89%	299.00	-0.89%
0.41	FEET H2O	752.80	GPM	749.00	-0.50%	749.00	-0.50%
0.55	FEET H2O	1153.00	GPM	1,174.00	1.82%	1,174.00	1.82%
0.67	FEET H2O	1530.00	GPM	1,542.00	0.78%	1,542.00	0.78%

Test Instruments Used During the Calibration

Test Instrument ID	Description	Manufacturer	Model Number	Serial Number
101	ULTRASONIC TEST STAND	ASC	1076-10	ASC-04-KEN

Notes about this calibration

2' RECTANGULAR WEIR WITH END CONTRACTIONS
ZERO DISTANCE = 32.6" OR 2.72'
CHANNEL #2

Calibration Result Calibration Successful
Who Calibrated KEN LANE

Aqua Sierra Controls, Inc.

INSTRUMENT CALIBRATION REPORT

Aqua Sierra Controls, Inc.
1650 Industrial Drive
Auburn, CA 95603
Phone (800) 649-4287
Fax (530) 823-3475
service@aquasierra.com
www.aquasierra.com

Attn: JAMES BRISCO
MORNING STAR PACKING COMPANY
2211 OLD HIGHWAY 99
WILLIAMS, CA 95987

Instrument ID 03
Description FLOW METER
Serial Number A1J000210
Model Number U SONIC R

Calibrated 5/30/2014
Scheduled 5/30/2015
Calibration ID 21524
Certificate # 03
Equipment ID
Department
Manufacturer DREXEL BROOK
Calibration Type INITIAL
Location MAIN DITCH
Building OUTSIDE

Calibration Specifications

Stated Accy Pct of Reading

In Val	In Type	Out Val	Out Type	Fnd As	Error %	Lft As	Error %
0.00	FEET H2O	0.00	GPM	0.00	0.00%	0.00	0.00%
0.20	FEET H2O	334.20	GPM	340.00	1.74%	340.00	1.74%
0.54	FEET H2O	1483.00	GPM	1,476.00	-0.47%	1,476.00	-0.47%
0.71	FEET H2O	2235.00	GPM	2,228.00	-0.31%	2,228.00	-0.31%
0.87	FEET H2O	3032.00	GPM	3,048.00	0.53%	3,048.00	0.53%

Test Instruments Used During the Calibration

Test Instrument ID	Description	Manufacturer	Model Number	Serial Number
101	ULTRASONIC TEST STAND	ASC	1076-10	ASC-04-KEN

Notes about this calibration
2.5' RECTANGULAR WEIR
CHANNEL #1
ZERO DISTANCE MEASURED AT 3.13'
VERIFIED LEVEL READING AT WEIR

Calibration Result Calibration Successful
Who Calibrated KEN LANE