

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Reclamation District No. 0551 Pearson

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) | | | | |

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0551 Pearson

| Waterway | | | Bank | Unit Miles |
|--|-------------------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Sacramento River | | | Left | 6.78 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | | |
| Date of Inspection | 4/6/2017 - 4/6/2017 | | | |
| DWR Inspector | Herman Phillips | | | |
| Accompanied By | Mr. Topper Van-Loben-Sels RD 551 | | | |

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|---|--------------------------------|--------------|------------------------|------------|----------|
| LM Start | | Rating ** | A | Issue No. | 3 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Emergency Supplies & Equipment | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0551_01_s_2012_3 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| District has emergency supplies stored in locked container near Courtland's fire house. | | | | | |

No Photos

| | | | | | |
|--|-------------------------------|--------------|------------------------|------------|-----------|
| LM Start | | Rating ** | A | Issue No. | 15 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Flood Preparedness & Training | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0551_01_s_2012_15 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| District has been trained in Flood Fight Methods | | | | | |

No Photos

| | | | | | |
|--|----------------------------------|--------------|------------------------|------------|-----------|
| LM Start | | Rating ** | A | Issue No. | 23 |
| LM End | | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | Operations & Maintenance Manuals | | | ° | ° |
| | | | | ° | ° |
| DWR ID | DWR_RD0551_01_s_2012_23 | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| District has O&M Manual on hand and stored with flood fight materials. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.03 | Rating ** | M | Issue No. | 18 |
| LM End | 6.77 | Issue Type + | Ma | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.335987 ° | 38.258998 ° |
| | | | | -121.564827 ° | -121.517930 ° |
| DWR ID | DWR_RD0551_01_s_2017_18 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the weed growth on the waterside levee slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0551_175_18_20170410_00037.jpg



Levee mile 0.00 looking downstream waterside levee slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.03 | Rating ** | M | Issue No. | 17 |
| LM End | 0.39 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.335987 ° | 38.332255 ° |
| | | | | -121.564830 ° | -121.569462 ° |
| DWR ID | DWR_RD0551_01_s_2017_17 | | | | |
| Comment Code | | | | | |
| V1 : Control annual grass and weeds on the levee slopes and easements. | | | | | |
| Inspector Comment | | | | | |
| Control the weeds and annual grass growth on the landside levee slope. | | | | | |

Photo 1 of 1 : SP_2017_RD0551_175_17_20170410_00038.jpg



Looking downstream at the landside levee slope.

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.36 | Rating ** | U | Issue No. | 25 |
| LM End | 0.36 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Erosion / Bank Caving | | | 38.332577 ° | 38.332577 ° |
| | | | | -121.569125 ° | -121.569125 ° |
| DWR ID | DWR_RD0551_01_s_2017_25 | | | | |
| Comment Code | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | |
| Inspector Comment | | | | | |
| This erosion was discovered by the property owner during the Feb 2017 Storm event Mr. Tony of Tony's Market Courtland Ca. It was brought to our attention during this Spring inspection 4-06-2017. | | | | | |

Photo 1 of 3 : SP_2017_RD0551_175_25_20170410_00039.jpg



From landside standing North of erosion. The concrete footing is being undermined.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | | |
|--|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 0.36 | Rating ** | U | Issue No. | 25 (cont) | |
| LM End | 0.36 | Issue Type + | Ma | Location * | LS | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | Erosion / Bank Caving | | | 38.332577 ° | | 38.332577 ° |
| | | | | -121.569125 ° | | -121.569125 ° |
| DWR ID | DWR_RD0551_01_s_2017_25 | | | | | |
| Comment Code | | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | | |
| Inspector Comment | | | | | | |
| This erosion was discovered by the property owner during the Feb 2017 Storm event Mr. Tony of Tony's Market Courtland Ca. It was brought to our attention during this Spring inspection 4-06-2017. | | | | | | |

Photo 2 of 3 : SP_2017_RD0551_175_25_20170410_00040.jpg



Standing on the shoulder North of the eroded slope looking downstream of slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.36 | Rating ** | U | Issue No. | 25 (cont) |
| LM End | 0.36 | Issue Type + | Ma | Location * | LS |

Photo 3 of 3 : SP_2017_RD0551_175_25_20170410_00041.jpg



Standing south of the eroded slope looking upstream. The cut is 3 foot deep and 6 foot wide.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.41 | Rating ** | M | Issue No. | 26 |
| LM End | 0.41 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.332039 ° | 38.332039 ° |
| | | | | -121.569730 ° | -121.569730 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:11705 | | | | | |
| DS_ID:21982 | | | | | |
| EP_NO: 2759 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Unclear where exact crossing is located. | | | | | |
| FIELD_STRUCT_DESC: 1-inch steel waterline through the levee. | | | | | |
| Ramp, boating facilities on waterward side (Courtland boating facilities). | | | | | |
| Pipe visible under buildings at concrete foundation on LS. Water | | | | | |
| service connections for irrigation located on WS slope. (Permit No. | | | | | |
| 2759, 1959) | | | | | |
| FS Date: 4/10/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_11705_19145.jpg



Irrigation pipes on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.41 | Rating ** | M | Issue No. | 26 (cont) |
| LM End | 0.41 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_11705_19144.jpg



Irrigation pipes on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 0.41 | Rating ** | M | Issue No. | 26 (cont) | |
| LM End | 0.41 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.332039 ° | 38.332039 ° | |
| | | | | -121.569730 ° | -121.569730 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:11705 | | | | | | |
| DS_ID:21982 | | | | | | |
| EP_NO: 2759 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Unclear where exact crossing is located. | | | | | | |
| FIELD_STRUCT_DESC: 1-inch steel waterline through the levee. | | | | | | |
| Ramp, boating facilities on waterward side (Courtland boating facilities). | | | | | | |
| Pipe visible under buildings at concrete foundation on LS. Water | | | | | | |
| service connections for irrigation located on WS slope. (Permit No. | | | | | | |
| 2759, 1959) | | | | | | |
| FS Date: 4/10/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_11705_19143.jpg



Various disconnected pipes visible at foundation/retaining wall under buildings on LS.

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.47 | Rating ** | M | Issue No. | 19 |
| LM End | 6.77 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.331300 ° | 38.258998 ° |
| | | | | -121.570493 ° | -121.517930 ° |
| DWR ID | DWR_RD0551_01_s_2017_19 | | | | |
| Comment Code | | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | |
| Inspector Comment | | | | | |
| Remove the wild growth other than native grasses from the landside levee slope. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.49 | Rating ** | M | Issue No. | 21 |
| LM End | 0.49 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.331158 ° | 38.331158 ° |
| | | | | -121.570751 ° | -121.570751 ° |
| DWR ID | DWR_RD0551_01_s_2014_21 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| The new land owner is working with the LMA trying to get CVFPB Permits for this project. No other work at this site. Waiting to hear from Enforcements. | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.49 | Rating ** | M | Issue No. | 21 (cont) |
| LM End | 0.49 | Issue Type + | En | Location * | WS |

Photo 1 of 3 : SP_2017_RD0551_175_21_20170404_00001.jpg



Building and steps waterward. Photo taken 01-04-2014.

Photo 2 of 3 : SP_2017_RD0551_175_21_20170404_00002.jpg



Building remodeling project on waterside levee section. Photo taken 01-04-2014.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.49 | Rating ** | M | Issue No. | 21 (cont) |
| LM End | 0.49 | Issue Type + | En | Location * | WS |

Photo 3 of 3 : SP_2017_RD0551_175_21_20170410_00042.jpg



Photo taken 4-06-2017 no change. No work done, no permit issued.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.53 | Rating ** | U | Issue No. | 20 |
| LM End | 0.53 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.330638 ° | 38.330638 ° |
| | | | | -121.571142 ° | -121.571142 ° |
| DWR ID | DWR_RD0551_01_s_2017_20 | | | | |
| Comment Code | | | | | |
| BU : Building | | | | | |
| Inspector Comment | | | | | |
| Unauthorized restoration work on building. No CVFPB Permit. | | | | | |

Photo 1 of 1 : SP_2017_RD0551_175_20_20170410_00036.jpg



Landside shoulder levee mile 0.53 unauthorized restoration work.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.71 | Rating ** | M | Issue No. | 27 |
| LM End | 0.71 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.328401 ° | 38.328401 ° |
| | | | | -121.572954 ° | -121.572954 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:11726 DS_ID:21985 EP_NO: 6220 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be removed. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee 6.1-feet below the crown. Pump on waterside with slide gate and air vent. (Permit No. 6220, 1968) FS Date: 4/10/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_11726_19165.jpg



Abandoned pump covered in vegetation on WS slope.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.71 | Rating ** | M | Issue No. | 27 (cont) |
| LM End | 0.71 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.328401 ° | 38.328401 ° |
| | | | | -121.572954 ° | -121.572954 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:11726 DS_ID:21985 EP_NO: 6220 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be removed. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee 6.1-feet below the crown. Pump on waterside with slide gate and air vent. (Permit No. 6220, 1968) FS Date: 4/10/2013 | | | | | |

Photo 2 of 3 : UCIP_SP_2017_11726_19164.jpg



Pump, slide gate, and missing vent pipe on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.71 | Rating ** | M | Issue No. | 27 (cont) |
| LM End | 0.71 | Issue Type + | En | Location * | LS |

Photo 3 of 3 : UCIP_SP_2017_11726_19163.jpg



JP and pipe covered with vegetation on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.74 | Rating ** | C | Issue No. | 22 |
| LM End | 0.74 | Issue Type + | En | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.328028 ° | 38.328028 ° |
| | | | | -121.573298 ° | -121.573298 ° |
| DWR ID | DWR_RD0551_01_f_2014_22 | | | | |
| Comment Code | | | | | |
| AV : Abandoned vehicles | | | | | |
| Inspector Comment | | | | | |
| The District will talk with landowner. | | | | | |

No Photos

| | | | | | |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.84 | Rating ** | M | Issue No. | 24 |
| LM End | 0.84 | Issue Type + | Ma | Location * | LS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Encroachments | | | 38.326772 ° | 38.326772 ° |
| | | | | -121.574108 ° | -121.574108 ° |
| DWR ID | DWR_RD0551_01_s_2017_24 | | | | |
| Comment Code | | | | | |
| TR : Tree or limb | | | | | |
| Inspector Comment | | | | | |
| This fallen tree was partially cut up and removed from the levee shoulder by Caltrans, there is still material on the levee slope that needs removing. | | | | | |

No Photos

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 0.89 | Rating ** | M | Issue No. | 28 |
| LM End | 0.89 | Issue Type + | En | Location * | LS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.326088 ° | 38.326088 ° |
| | | | | -121.574525 ° | -121.574525 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:11727 | | | | | |
| DS_ID:21986 | | | | | |
| EP_NO: 701 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Pipe appears abandoned and should be done so properly. Good candidate for video inspection. | | | | | |
| FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 7.2 feet below crown. Pump in pump house on waterward slope. | | | | | |
| Service pole on landward slope. (Permit No. 701-Smith). 1-inch galvanized filler pipe and a 2-inch electrical conduit at same location. | | | | | |
| Originally included in O+M manual (1959). | | | | | |
| FS Date: 4/10/2013 | | | | | |

Photo 1 of 3 : UCIP_SP_2017_11727_19168.jpg



Pump house and pipes visible on WS slope.

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 0.89 | Rating ** | M | Issue No. | 28 (cont) |
| LM End | 0.89 | Issue Type + | En | Location * | LS |

Photo 2 of 3 : UCIP_SP_2017_11727_19167.jpg



Pipe and JP visible on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 0.89 | Rating ** | M | Issue No. | 28 (cont) | |
| LM End | 0.89 | Issue Type + | En | Location * | LS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.326088 ° | | 38.326088 ° |
| | | | | -121.574525 ° | | -121.574525 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:11727 | | | | | | |
| DS_ID:21986 | | | | | | |
| EP_NO: 701 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Pipe appears abandoned and should be done so properly. Good candidate for video inspection. | | | | | | |
| FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through the levee, 7.2 feet below crown. Pump in pump house on waterward slope. | | | | | | |
| Service pole on landward slope. (Permit No. 701-Smith). 1-inch galvanized filler pipe and a 2-inch electrical conduit at same location. | | | | | | |
| Originally included in O+M manual (1959). | | | | | | |
| FS Date: 4/10/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_11727_19166.jpg



galvanized iron filler pipe and 16-inch pipe visible at LS toe.

| | | | | | |
|---|------------------------|--------------|----|------------------------|---------------|
| LM Start | 1.53 | Rating ** | M | Issue No. | 6 |
| LM End | 1.60 | Issue Type + | En | Location * | WS |
| Category | Earthen Levee | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | Vegetation | | | 38.317138 ° | 38.316060 ° |
| | | | | -121.576567 ° | -121.576688 ° |
| DWR ID | DWR_RD0551_01_s_2012_6 | | | | |
| Comment Code | | | | | |
| V6 : Landscaping | | | | | |
| Inspector Comment | | | | | |
| This landscape on the landside should be monitored. | | | | | |

No Photos

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

Reclamation District No. 0551 Pearson

36-inch concrete standpipe at LS toe.

Page 12 of 26

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 1.78 | Rating ** | M | Issue No. | 29 (cont) | |
| LM End | 1.78 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.313552 ° | 38.313552 ° | |
| | | | | -121.576640 ° | -121.576640 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:26874 DS_ID:21990 EP_NO: 11145 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Based on District notes from January 14, 2014, pump discharge pipe has been repaired. Pipe failing on LS slope causing erosion along pipe alignment. Pipe debris on both slopes should be removed as well.: As of 12/13/2013 District President noted that the landowner had made repairs to the LS slope leaks.: As of 12/17/2013 District submitted letter to landowner explaining UCIP report details including photos of the pipe problems FIELD_STRUCT_DESC: 10-inch pipe through levee, 4.7 feet below crown. Pump in 7'X9' concrete pump house on waterward slope. 36-inch concrete riser on LS toe. 1-inch electrical conduit at same location. Service pole at landward toe (ABO No. 11145-Towne). Originally included in O+M manual (1959). FS Date: 1/15/2014 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_26874_49594.jpg



Pipe failing on LS slope due to corrosion holes causing erosion.

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.01 | Rating ** | M | Issue No. | 30 |
| LM End | 2.01 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.310237 ° | 38.310237 ° |
| | | | | -121.575470 ° | -121.575470 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:11749 | | | | | |
| DS_ID:22040 | | | | | |
| EP_NO: 3676 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Not Found | | | | | |
| UCIP Comments: Fresh cut through pavement on crown indicates recent work on pipes at this location. Need to determine if pipe was removed or abandoned in place. | | | | | |
| FIELD_STRUCT_DESC: 2 of 2: 8-inch steel irrigation pipe sleeved through a 12-inch pipe, 5 feet below crown. Pump on platform waterside. (Permit No. 3676-Wheeler). | | | | | |
| FS Date: 4/10/2013 | | | | | |

Photo 1 of 1 : UCIP_SP_2017_11749_19217.jpg



Fresh cut through pavement at crown.

| | | | | | | | |
|--|--|--|--|---|--|---|--|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement | |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.01 | Rating ** | M | Issue No. | 31 |
| LM End | 2.01 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.310223 ° | 38.310223 ° |
| | | | | -121.575458 ° | -121.575458 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:11763 DS_ID:21991 EP_NO: 6551 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent activity undermining pipe on LS slope. FIELD_STRUCT_DESC: 1 of 2: 14-inch PVC wrapped Steel irrigation pipe 3-feet below the crown. Butterfly valve on WS shoulder. 2-inch galvanized electric conduit at same location. Pump on pile structure on WS toe. Pressure booster and pump on LS toe. (Permit No. 6551-Wheeler 1969). FS Date: 4/10/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 2.01 | Rating ** | M | Issue No. | 31 (cont) |
| LM End | 2.01 | Issue Type + | En | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_11763_19222.jpg



Pipe, butterfly valve, and electrical conduit 3-feet below the crown on the WS shoulder.

Photo 2 of 3 : UCIP_SP_2017_11763_19221.jpg



Pipe, electrical conduit, and booster pump on LS toe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start | 2.01 | Rating ** | M | Issue No. | 31 (cont) | |
| LM End | 2.01 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | End | |
| Item | DWR UCIP Field Study | | | 38.310223 ° | 38.310223 ° | |
| | | | | -121.575458 ° | -121.575458 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:11763 | | | | | | |
| DS_ID:21991 | | | | | | |
| EP_NO: 6551 | | | | | | |
| Repair Type: Non-Urgent | | | | | | |
| Crossing Status: Found | | | | | | |
| UCIP Comments: Rodent activity undermining pipe on LS slope. | | | | | | |
| FIELD_STRUCT_DESC: 1 of 2: 14-inch PVC wrapped Steel irrigation | | | | | | |
| pipe 3-feet below the crown. Butterfly valve on WS shoulder. 2-inch | | | | | | |
| galvanized electric conduit at same location. Pump on pile structure on | | | | | | |
| WS toe. Pressure booster and pump on LS toe. (Permit No. 6551- | | | | | | |
| Wheeler 1969). | | | | | | |
| FS Date: 4/10/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_11763_19220.jpg



Rodent activity undermining pipe on LS slope.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.41 | Rating ** | M | Issue No. | 32 |
| LM End | 2.41 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.305189 ° | 38.305189 ° |
| | | | | -121.572012 ° | -121.572012 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:11783 DS_ID:21994 EP_NO: 11141 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Records indicate this pipe was abandoned, but it appears to be active. Verify status. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through levee, 8.0 feet below the crown. Slant pump on waterward slope. Service pole on landward slope with a 1.5-inch galvanized iron electrical conduit through the levee at same location. (ABO No. 11141-Runyon). Originally included in O+M manual (1959). FS Date: 4/10/2013 | | | | | |

Photo 1 of 2 : UCIP_SP_2017_11783_19241.jpg



JP and concrete standpipe on LS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.41 | Rating ** | M | Issue No. | 32 (cont) |
| LM End | 2.41 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.305189 ° | 38.305189 ° |
| | | | | -121.572012 ° | -121.572012 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:11783 DS_ID:21994 EP_NO: 11141 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Records indicate this pipe was abandoned, but it appears to be active. Verify status. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through levee, 8.0 feet below the crown. Slant pump on waterward slope. Service pole on landward slope with a 1.5-inch galvanized iron electrical conduit through the levee at same location. (ABO No. 11141-Runyon). Originally included in O+M manual (1959). FS Date: 4/10/2013 | | | | | |

Photo 2 of 2 : UCIP_SP_2017_11783_19240.jpg



Pump, pipe, and butterfly valve on WS slope.

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 2.96 | Rating ** | M | Issue No. | 33 |
| LM End | 2.96 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.298323 ° | 38.298323 ° |
| | | | | -121.566941 ° | -121.566941 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:11803 | | | | | |
| DS_ID:22032 | | | | | |
| EP_NO: 1204 | | | | | |
| Repair Type: Non-Urgent | | | | | |
| Crossing Status: Found | | | | | |
| UCIP Comments: Gap between sleeved pipes does not appear to be grouted on LS slope. | | | | | |
| FIELD_STRUCT_DESC: 12-inch steel conduit with 10-inch irrigation pipe sleeved through it 6-feet below the crown. Pump on pile structure on the Water Side toe. 48-inch concrete riser on LS toe. (Permit No. 1204-Wheeler). Originally included in the O+M manual 1959. | | | | | |
| FS Date: 4/10/2013 | | | | | |

Photo 1 of 2 : UCIP_SP_2017_11803_19261.jpg



48-inch concrete riser on LS toe.

| | | | | | |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location | | ** Rating | | + Issue Type | |
| LS : Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiency | |
| WS : Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence | |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement | |

Reclamation District No. 0551 Pearson

| * Location | ** Rating | + Issue Type |
|---|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start | 4.02 | Rating ** | M | Issue No. | 35 (cont) | |
| LM End | 4.02 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.286568 ° | 38.286568 ° | |
| | | | | -121.554569 ° | -121.554569 ° | |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:11823 DS_ID:22018 EP_NO: 11146 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Wooden walkway in bad repair and presents a hazard to the public. FIELD_STRUCT_DESC: 14-inch pipe through levee, 10.4 feet below crown. Pump on pile structure in stream with wooden walkway. 48-inch concrete standpipe on LS toe with booster pump and electric panel. Siphon breaker in 24-inch CMP riser on LS slope. 1.5-inch electrical conduit at same location.(ABO No. 11146- Turner). Originally included in O+M manual 1959. FS Date: 4/11/2013 | | | | | | |

Photo 2 of 2 : UCIP_SP_2017_11823_19300.jpg



Pump on pier with wooden walkway on WS toe.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

Reclamation District No. 0551 Pearson

Pipe and stand pipe on LS toe with subsidence along pipe on LS slope.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.59 | Rating ** | M | Issue No. | 36 (cont) |
| LM End | 4.59 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.281074 ° | 38.281074 ° |
| | | | | -121.546628 ° | -121.546628 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:51324
DS_ID:22020
EP_NO: 11152
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/24/2016 Per Mr. Topper Van Loben, LMA contact, new owner is working with DCC Engineering to obtain CVFPB permit for pipe rehabilitation. Work rehabilitation for existing pipe includes sleeving an 8-inch steel pipe through existing pipe and grouting space between pipes. Crossing has been downgraded to Non-Urgent since walkway has been repaired and pipe in the process of being rehabilitated. UCIP staff is waiting for permit authorizing pipe rehabilitation. (O. Magana - DWR UCIP) (Olivia) As of 09/21/2015 owner is working with Gilbert Labrie, LMA consultant, to resolve issue. (T. Van Loben - LMA representative / G. Labrie - LMA Engineer - DCC Engineering) As of 12/17/2013 District submitted letter to landowner explaining UCIP report details including photos of the pipe problems. (T. Van Loben - LMA representative / G. Labrie - LMA Engineer - DCC Engineering) As of 12/13/2013 the District has contacted the tenant farmer who is in the process of contacting the owner to update on condition of pipe. (T. Van Loben - LMA representative / G. Labrie - LMA Engineer - DCC Engineering) 04/11/2013 Pier for pump is falling apart and is a hazard to the public. Some settlement along pipe on LS slope. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 6.5 feet below the crown. Service pole and a 36-inch concrete riser are located on the landside (LS) toe. 1-inch electrical conduit at same location. Metal walkway, pump, and control panel are located on the waterside (WS). Pump previous on pile structure has been removed not found in Oct 2016. (10-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11152, 1975 - Wilcox) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 111, May 1959, (RM 30.15), Drawing Number 50-4-2983, Sheet 5]
FS Date: 10/24/2016

Photo 2 of 3 : UCIP_SP_2017_51324_46280.jpg



Pump on pier showing structural failure on WS toe.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 4.59 | Rating ** | M | Issue No. | 36 (cont) |
| LM End | 4.59 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.281074 ° | 38.281074 ° |
| | | | | -121.546628 ° | -121.546628 ° |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:51324
DS_ID:22020
EP_NO: 11152
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 10/24/2016 Per Mr. Topper Van Loben, LMA contact, new owner is working with DCC Engineering to obtain CVFPB permit for pipe rehabilitation. Work rehabilitation for existing pipe includes sleeving an 8-inch steel pipe through existing pipe and grouting space between pipes. Crossing has been downgraded to Non-Urgent since walkway has been repaired and pipe in the process of being rehabilitated. UCIP staff is waiting for permit authorizing pipe rehabilitation. (O. Magana - DWR UCIP) (Olivia) As of 09/21/2015 owner is working with Gilbert Labrie, LMA consultant, to resolve issue. (T. Van Loben - LMA representative / G. Labrie - LMA Engineer - DCC Engineering) As of 12/17/2013 District submitted letter to landowner explaining UCIP report details including photos of the pipe problems. (T. Van Loben - LMA representative / G. Labrie - LMA Engineer - DCC Engineering) As of 12/13/2013 the District has contacted the tenant farmer who is in the process of contacting the owner to update on condition of pipe. (T. Van Loben - LMA representative / G. Labrie - LMA Engineer - DCC Engineering) 04/11/2013 Pier for pump is falling apart and is a hazard to the public. Some settlement along pipe on LS slope. (W. Wylie - DWR UCIP)
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 6.5 feet below the crown. Service pole and a 36-inch concrete riser are located on the landside (LS) toe. 1-inch electrical conduit at same location. Metal walkway, pump, and control panel are located on the waterside (WS). Pump previous on pile structure has been removed not found in Oct 2016. (10-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 11152, 1975 - Wilcox) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 111, May 1959, (RM 30.15), Drawing Number 50-4-2983, Sheet 5]
FS Date: 10/24/2016

Photo 3 of 3 : UCIP_SP_2017_51324_76157.jpg



View of levee crown and LS slope, photo taken downstream of crossing looking upstream.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.05 | Rating ** | M | Issue No. | 37 |
| LM End | 5.05 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.276220 ° | 38.276220 ° |
| | | | | -121.540811 ° | -121.540811 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:12105 DS_ID:22022 EP_NO: 11125 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pumphouse has been removed from pump and pump is in disrepair. Pipe at LS toe is sleeved or has been replaced with a 6-inch PVC pipe. This pump appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch pipe through the levee 6.5-feet below the crown. Pump and slide gate on WS slope. 1-inch electrical conduit at same location with service pole at landward toe. 4'X6' concrete distribution box at LS toe (ABO No. 11125- Cortopassi). Originally included in O+M manual 1959. FS Date: 4/11/2013 | | | | | |

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 5.05 | Rating ** | M | Issue No. | 37 (cont) |
| LM End | 5.05 | Issue Type + | En | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_12105_19649.jpg



Pipe in distribution box at LS toe.

Photo 2 of 3 : UCIP_SP_2017_12105_19648.jpg



Meter on pole at LS toe.

| | | | |
|--|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | | |
|---|----------------------|--------------|----|------------------------|-----------|---------------|
| LM Start | 5.05 | Rating ** | M | Issue No. | 37 (cont) | |
| LM End | 5.05 | Issue Type + | En | Location * | WS | |
| Category | Supplemental | | | GPS Latitude/Longitude | | |
| | | | | Start | | End |
| Item | DWR UCIP Field Study | | | 38.276220 ° | | 38.276220 ° |
| | | | | -121.540811 ° | | -121.540811 ° |
| DWR ID | | | | | | |
| Comment Code | | | | | | |
| | | | | | | |
| Inspector Comment | | | | | | |
| FS_ID:12105 DS_ID:22022 EP_NO: 11125 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pumphouse has been removed from pump and pump is in disrepair. Pipe at LS toe is sleeved or has been replaced with a 6-inch PVC pipe. This pump appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch pipe through the levee 6.5-feet below the crown. Pump and slide gate on WS slope. 1-inch electrical conduit at same location with service pole at landward toe. 4'X6' concrete distribution box at LS toe (ABO No. 11125- Cortopassi). Originally included in O+M manual 1959. FS Date: 4/11/2013 | | | | | | |

Photo 3 of 3 : UCIP_SP_2017_12105_19647.jpg



Relocated pumphouse on WS shoulder.

| | | |
|--|---|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|----------|----------------------|--------------|------------------------|---------------|-----------|
| LM Start | 5.26 | Rating ** | M | Issue No. | 38 |
| LM End | 5.26 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | GPS Latitude/Longitude | | |
| | | | Start | End | |
| Item | DWR UCIP Field Study | | 38.274147 ° | 38.274147 ° | |
| | | | -121.538076 ° | -121.538076 ° | |
| DWR ID | | | | | |

Comment Code

Inspector Comment

FS_ID:26875
DS_ID:22023
EP_NO: 11131
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Based on District notes from January 15, 2014, pump discharge pipe has been repaired. Corrosion holes in pipe at LS toe good indicator that pipe is failing internally. Pipe should be examined internally for damage (video inspect).: As of 12/12/2013 the District discussed with farmer tenant what needed to be done, and the tenant informed the District that they would address the repairs.: As of 12/17/2013 District submitted letter to landowner explaining UCIP report details including photos of the pipe problems
FIELD_STRUCT_DESC: 10-inch pipe through the levee 7.7-feet below the crown. Pump and slide gate on concrete pad on waterward slope. Siphon breaker in 24-inch CMP riser on LS slope. Concrete riser, power pole with panel box on landward toe. (ABO No. 11131-Latimer). Originally included in the O+M manual 1959.
FS Date: 1/15/2014

| | | | | | |
|----------|-------------|--------------|----|------------|------------------|
| LM Start | 5.26 | Rating ** | M | Issue No. | 38 (cont) |
| LM End | 5.26 | Issue Type + | En | Location * | WS |

Photo 1 of 3 : UCIP_SP_2017_26875_49602.jpg



Concrete standpipe, JP and meter, and 4-inch steel pipe visible at LS toe.

Photo 2 of 3 : UCIP_SP_2017_26875_49601.jpg



Pump and slide gate at Concrete pad on WS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0551 Pearson

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|-----------------|
| Unit No. 01 Sacramento River | Left | 6.78 | 04/06/2017 04/06/2017 | Herman Phillips |

| | | | | | |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start | 5.26 | Rating ** | M | Issue No. | 38 (cont) |
| LM End | 5.26 | Issue Type + | En | Location * | WS |
| Category | Supplemental | | | GPS Latitude/Longitude | |
| | | | | Start | End |
| Item | DWR UCIP Field Study | | | 38.274147 ° | 38.274147 ° |
| | | | | -121.538076 ° | -121.538076 ° |
| DWR ID | | | | | |
| Comment Code | | | | | |
| | | | | | |
| Inspector Comment | | | | | |
| FS_ID:26875 DS_ID:22023 EP_NO: 11131 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Based on District notes from January 15, 2014, pump discharge pipe has been repaired. Corrosion holes in pipe at LS toe good indicator that pipe is failing internally. Pipe should be examined internally for damage (video inspect).: As of 12/12/2013 the District discussed with farmer tenant what needed to be done, and the tenant informed the District that they would address the repairs.: As of 12/17/2013 District submitted letter to landowner explaining UCIP report details including photos of the pipe problems FIELD_STRUCT_DESC: 10-inch pipe through the levee 7.7-feet below the crown. Pump and slide gate on concrete pad on waterward slope. Siphon breaker in 24-inch CMP riser on LS slope. Concrete riser, power pole with panel box on landward toe. (ABO No. 11131-Latimer). Originally included in the O+M manual 1959. FS Date: 1/15/2014 | | | | | |

Photo 3 of 3 : UCIP_SP_2017_26875_49600.jpg



Siphon breaker in 24-inch CMP riser on LS slope.

| | | | | |
|--|--|---|--|---|
| * Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | | ** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain | | + Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement |
|--|--|---|--|---|