

**Flood Control Project Maintenance**  
**2010 Structure Summary Report**  
**Overall Unit and Item Ratings**

**Merced Streams Group**

**Black Rascal Creek Drop Structure**

Overall Unit Rating	Rated Item	Item Rating
<b>M</b>	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	N
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	M
	Concrete Tilting / Settlement	N
	Concrete Foundations	M
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A

**Owens Creek Siphon Structure**

Overall Unit Rating	Rated Item	Item Rating
<b>M</b>	Vegetation & Obstructions	M
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	A
	Revetments	M
	Encroachments	M
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A

**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2010 Structure Inspection Results**

**Merced Streams Group**

Structure
Black Rascal Creek Drop Structure

Structure Rating	<b>M</b>
Date of Inspection	8/17/2010
DWR Inspector	Herman Phillips
Accompanied By	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2010**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/17/2010 08/17/2010	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location*	Rating**	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1	0.00	0.00	Structures	Photo Documentation			Inspector Comments: The structure is in good shape, the fence is intact, and the brush from the banks has been removed.	37.314751 ° -120.396102 °	37.314751 ° -120.396102 °	Y	1
2	0.00	0.00	Structures	Vegetation & Obstructions		M		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °	Y	2
3			Structures	Shoaling / Sedimentation		A		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		24
4	0.00	0.00	Structures	Shoaling / Sedimentation		A		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		3
5	0.00	0.00	Structures	Erosion / Bank Caving		M		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °	Y	4
6	0.00	0.00	Structures	Revetments		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		5
7	0.00	0.00	Structures	Encroachments		A		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		6
8	0.00	0.00	Structures	Culverts: Inlets / Outlets		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		7
9	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		8
10	0.00	0.00	Structures	Metal Pipes		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		9
11	0.00	0.00	Structures	Trash Racks		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		10
12	0.00	0.00	Structures	Flap Gates		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		11
13	0.00	0.00	Structures	Sluice/Slide Gates		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		12
14	0.00	0.00	Structures	Electric Gate Operators		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		13
15	0.00	0.00	Structures	Manual Gate Operators		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		14
16	0.00	0.00	Structures	Concrete Surfaces		M		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		15

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2010**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/17/2010 08/17/2010	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
17	0.00	0.00	Structures	Concrete Tilting / Settlement		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		16
18	0.00	0.00	Structures	Concrete Foundations		M		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		17
19	0.00	0.00	Structures	Security Fencing		A		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °	Y	18
20	0.00	0.00	Structures	Closure Structures		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		19
21	0.00	0.00	Structures	Trash Rakes		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		20
22	0.00	0.00	Structures	Other Metallic Items		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		21
23	0.00	0.00	Structures	Monolith Joints		N		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		22
24	0.00	0.00	Structures	Safety		A		37.314751 ° -120.396102 °	37.314751 ° -120.396102 °		23

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2010**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/17/2010 08/17/2010	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Photo Documentation
<p>This photo shows the structure from downstream across from Bear Creek. You can see the conditions of the structure from this view.</p>	
<p>phillips_t_20100812_010.jpg</p>	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Photo Documentation
<p>Right bank of structure, safety wire good</p>	
<p>phillips_t_20100831_023.jpg</p>	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Photo Documentation
<p>This photo shows the spill way viewed from R/B Unit 1.</p>	
<p>phillips_t_20100902_047.jpg</p>	



<p><b>* Location</b>                      LS : Land Side                      WS : Water Side                      CR : Crown</p>	<p><b>** Rating</b>                      A : Acceptable                      M : Minimally Acceptable                      U : Unacceptable</p>	<p>PO : Partially Obstructing                      CO : Completely Obstructing                      N : Not Inspected/Rated</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2010**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/17/2010 08/17/2010	Herman Phillips

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
Bambo present on R/B downstream end of structure.	
phillips_t_20100901_031.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
Standing on R/B Unit 1 looking across channel upstream side at L/B unit 2 structure are Fig trees. These trees should be removed.37.31473N - 120,39583N.	
phillips_t_20100901_032.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Erosion / Bank Caving
Erosion present on L/B downstream of concrete structure.	
phillips_t_20100901_033.jpg	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2010**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Black Rascal Creek Drop Structure		08/17/2010 08/17/2010	Herman Phillips

Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Erosion / Bank Caving
<p>Standing on Unit1 downstream of structure looking over at Unit 2 bank erosion has occurred downstream. Its hidden by the wild growth. 37.31458N -120.39583W</p> <p>phillips_t_20100901_034.jpg</p>	



Levee Mile Report Line	19
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Security Fencing
<p>This view shows safety fence of both RB and LB side of structure, UNIT 1 in view and Unit 2 across channel in back ground.</p> <p>phillips_t_20100831_024.jpg</p>	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>
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**Flood Control Project Maintenance**  
**Unit Cover Sheet**  
**2010 Structure Inspection Results**

**Merced Streams Group**

Structure
Owens Creek Siphon Structure

Structure Rating	<b>M</b>
Date of Inspection	8/17/2010
DWR Inspector	Herman Phillips
Accompanied By	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2010**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/17/2010 08/17/2010	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
1	0.00	0.00	Structures	Photo Documentation				37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		1
2	0.00	0.00	Structures	Vegetation & Obstructions		M		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °	Y	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		M		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °	Y	3
4	0.00	0.00	Structures	Erosion / Bank Caving		A		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		4
5	0.00	0.00	Structures	Revetments		M		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		5
6	0.00	0.00	Structures	Encroachments		M	Inspector Comments: The encroachments are the small trees and tules present at the inlet both banks and channel adjacent to structure.	37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		8
9	0.00	0.00	Structures	Metal Pipes		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		9
10	0.00	0.00	Structures	Trash Racks		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		10
11	0.00	0.00	Structures	Flap Gates		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		11
12	0.00	0.00	Structures	Sluice/Slide Gates		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		12
13	0.00	0.00	Structures	Electric Gate Operators		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		13
14	0.00	0.00	Structures	Manual Gate Operators		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		14
15	0.00	0.00	Structures	Concrete Surfaces		A		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		16

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2010**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/17/2010 08/17/2010	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
17	0.00	0.00	Structures	Concrete Foundations		A		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		17
18	0.00	0.00	Structures	Security Fencing		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		18
19	0.00	0.00	Structures	Closure Structures		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		19
20	0.00	0.00	Structures	Trash Rakes		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		20
21	0.00	0.00	Structures	Other Metallic Items		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		21
22	0.00	0.00	Structures	Monolith Joints		N		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		22
23	0.00	0.00	Structures	Safety		A		37.263160 ° -120.288190 °	37.263160 ° -120.288190 °		23

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2010**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/17/2010 08/17/2010	Herman Phillips

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
Outlet (discharge) end down stream of structure vegetation is present.	
phillips_t_20100901_036.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
Standing on downstream end of unit 3 looking back at the growth at discharge end of structure.	
phillips_t_20100901_037.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
Standing on unit 4 upstream there are small willow trees and tules in channel at the inlet, left bank right bank and in channel. 37.26316N - 120.28819W.	
phillips_t_20100901_038.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Structure 2010**

**Merced Streams Group**

Structure	Structure Length	Inspection Start/End	Inspector
Owens Creek Siphon Structure		08/17/2010 08/17/2010	Herman Phillips

Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Vegetation & Obstructions
<p>Standing on left bank unit 4 shooting back across channel to unit 3 willows over taking the bank blocking the inlet.</p>	
<p>phillips_t_20100901_039.jpg</p>	



Levee Mile Report Line	3
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Structures
Item	Shoaling / Sedimentation
<p>This photo shows not only vegetation but it also shows where the tules are growing there is great amount of sedimentation that is not visible because of that growth.</p>	
<p>phillips_t_20100902_040.jpg</p>	



<p><b>* Location</b></p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p><b>** Rating</b></p> <p>A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated</p>
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