

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

Lake County Watershed Protection District

Clover Creek Diversion Structure

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

Highland Canal Diversion Weir And Drainage Structure

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

Flood Control Project Maintenance

Unit Cover Sheet

2010 Structure Inspection Results

Lake County Watershed Protection District

Structure
Clover Creek Diversion Structure

Structure Rating	M
Date of Inspection	8/11/2010
DWR Inspector	Clay Thomas
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lake County Watershed Protection District

Structure	Structure Length	Inspection Start/End	Inspector
Clover Creek Diversion Structure		08/11/2010 08/11/2010	Clay Thomas

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				39.177050 ° -122.898750 °	39.177050 ° -122.898750 °	Y	1
2	0.00	0.00	Structures	Vegetation & Obstructions		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °	Y	2
3	0.00	0.00	Structures	Shoaling / Sedimentation		M	Inspector Comments: Shoaling / Sedimentation was being removed at the time of this inspection.	39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		3
4	0.00	0.00	Structures	Erosion / Bank Caving		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		4
5	0.00	0.00	Structures	Revetments		N		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		5
6	0.00	0.00	Structures	Encroachments		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		M		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		8
9	0.00	0.00	Structures	Metal Pipes		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		9
10	0.00	0.00	Structures	Trash Racks		N		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		10
11	0.00	0.00	Structures	Flap Gates		N		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		11
12	0.00	0.00	Structures	Sluice/Slide Gates		A	Inspector Comments: The sediment has built up onto the slide gates, recommend removing the sediment.	39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		12
13	0.00	0.00	Structures	Electric Gate Operators		N		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		13
14	0.00	0.00	Structures	Manual Gate Operators		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		14
15	0.00	0.00	Structures	Concrete Surfaces		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		16

<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</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

Lake County Watershed Protection District

Structure	Structure Length	Inspection Start/End	Inspector
Clover Creek Diversion Structure		08/11/2010 08/11/2010	Clay Thomas

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		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		17
18	0.00	0.00	Structures	Security Fencing		N		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		18
19	0.00	0.00	Structures	Closure Structures		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		19
20	0.00	0.00	Structures	Trash Rakes		N		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		20
21	0.00	0.00	Structures	Other Metallic Items		M		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		21
22	0.00	0.00	Structures	Monolith Joints		A		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		22
23	0.00	0.00	Structures	Safety		M		39.177050 ° -122.898750 °	39.177050 ° -122.898750 °		23

<p>* Location LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating 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

Lake County Watershed Protection District

Structure	Structure Length	Inspection Start/End	Inspector
Clover Creek Diversion Structure		08/11/2010 08/11/2010	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
The view of the diversion structure gates at the intake.	
cathom_t_20100812_035.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
Walkway and control gate mechanism.	
cathom_t_20100812_036.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
View of the structure outlet, sediment buildup has reduced the flow.	
cathom_t_20100812_037.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</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

Lake County Watershed Protection District

Structure	Structure Length	Inspection Start/End	Inspector
Clover Creek Diversion Structure		08/11/2010 08/11/2010	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
View of the concrete weir downstream of the diversion structure in the bypass channel.	
cathom_t_20100812_038.jpg	



Levee Mile Report Line	2
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Vegetation & Obstructions
Vegetation in the outlet channel.	
cathom_t_20100805_015.jpg	



<p>* Location</p> <p>LS : Land Side WS : Water Side CR : Crown</p>	<p>** Rating</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****Lake County Watershed Protection District**

Structure
Highland Canal Diversion Weir And Drainage Structure

Structure Rating	A
Date of Inspection	8/11/2010
DWR Inspector	Clay Thomas
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2010

Lake County Watershed Protection District

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/11/2010 08/11/2010	Clay Thomas

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				39.126317 ° -121.882733 °	39.126317 ° -121.882733 °	Y	1
2	0.00	0.00	Structures	Vegetation & Obstructions		A	Inspector Comments: There's moderate vegetation around the structures or in the channel.	39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		2
3	0.00	0.00	Structures	Shoaling / Sedimentation		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		3
4	0.00	0.00	Structures	Erosion / Bank Caving		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		4
5	0.00	0.00	Structures	Revetments		N		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		5
6	0.00	0.00	Structures	Encroachments		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		6
7	0.00	0.00	Structures	Culverts: Inlets / Outlets		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		7
8	0.00	0.00	Structures	Culverts: Breaks / Holes / Cracks		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		8
9	0.00	0.00	Structures	Metal Pipes		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		9
10	0.00	0.00	Structures	Trash Racks		N		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		10
11	0.00	0.00	Structures	Flap Gates		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		11
12	0.00	0.00	Structures	Sluice/Slide Gates		N		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		12
13	0.00	0.00	Structures	Electric Gate Operators		N		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		13
14	0.00	0.00	Structures	Manual Gate Operators		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		14
15	0.00	0.00	Structures	Concrete Surfaces		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		15
16	0.00	0.00	Structures	Concrete Tilting / Settlement		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		16
17	0.00	0.00	Structures	Concrete Foundations		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		17

* Location LS : Land Side WS : Water Side CR : Crown	** Rating 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

Lake County Watershed Protection District

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/11/2010 08/11/2010	Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue No.
	Start	End						Start	End		
18	0.00	0.00	Structures	Security Fencing		N		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		18
19	0.00	0.00	Structures	Closure Structures		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		19
20	0.00	0.00	Structures	Trash Rakes		N		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		20
21	0.00	0.00	Structures	Other Metallic Items		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		21
22	0.00	0.00	Structures	Monolith Joints		A		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		22
23	0.00	0.00	Structures	Safety		M		39.126317 ° -121.882733 °	39.126317 ° -121.882733 °		23

* Location LS : Land Side WS : Water Side CR : Crown	** Rating 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

Lake County Watershed Protection District

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		08/11/2010 08/11/2010	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
The view of the outlet pipes and channel.	
cathom_t_20100813_039.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
The concrete weir and the diversion pipe intake.	
cathom_t_20100813_040.jpg	



Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	
Category	Structures
Item	Photo Documentation
One of the flap gates on the outlet pipes.	
cathom_t_20100813_041.jpg	



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