



**Reunion Ranch WCID
General Manager Reports for the month of
March 2021
Board Meeting: April 20th, 2021**

Reviewed By: Kristi Hester
Date: 4/16/2021



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Memorandum for: Board of Director's Reunion Ranch WCID

From: Kristi Hester

Date: April 20, 2021

Subject: General Manager's Executive Summary Report

Below is a summary of activities since the last board meeting:

1) Water System

- a) 504 active connections. 3.7 MG purchased for the month. 106.49 water accounted for.
- b) Chlorine and bacteriological samples all in compliance.
- c) 17 delinquent letters mailed out, 5 tags hung, zero disconnects.
- d) Leak on HOA irrigation system at 420 Mary Elise Way 4.16.21 - notified HOA. Inframark shut down the hydrant to stop the flow.

2) WWTP/Collection System

- a) Total flows 1.47 MG, average 48,000 GPD, 96% capacity (excursion).
- b) We installed a isolation valve to shut down zones 17 -19 on the main line. After 2 weeks the fields are still saturated we have reason to believe it be caused by ground water.
- c) Annual preventive maintenance on generators completed.
- d) Effluent pumps over temp - pulled pumps unclogged and reinstalled all operational now.
- e) A separate memo will be provided to the Board on WWTP operations.

3) Drainage/Ponds

- a) Pond inspections conducted 3.25.21. Reports are included.
- b) Several repairs have been made to the drainage ponds refer to the list of open & completed work orders included.
- d) Committee meeting was scheduled for 4.15.21 cancelled due to weather rescheduled for 4.23.

4) Customer Care

- a) No payment plans requested.

5) Construction

- a) 26 Customer Service Inspections, 1 Pool Inspection and 2 re-inspections completed in March.

Current Items Requiring Board Approval

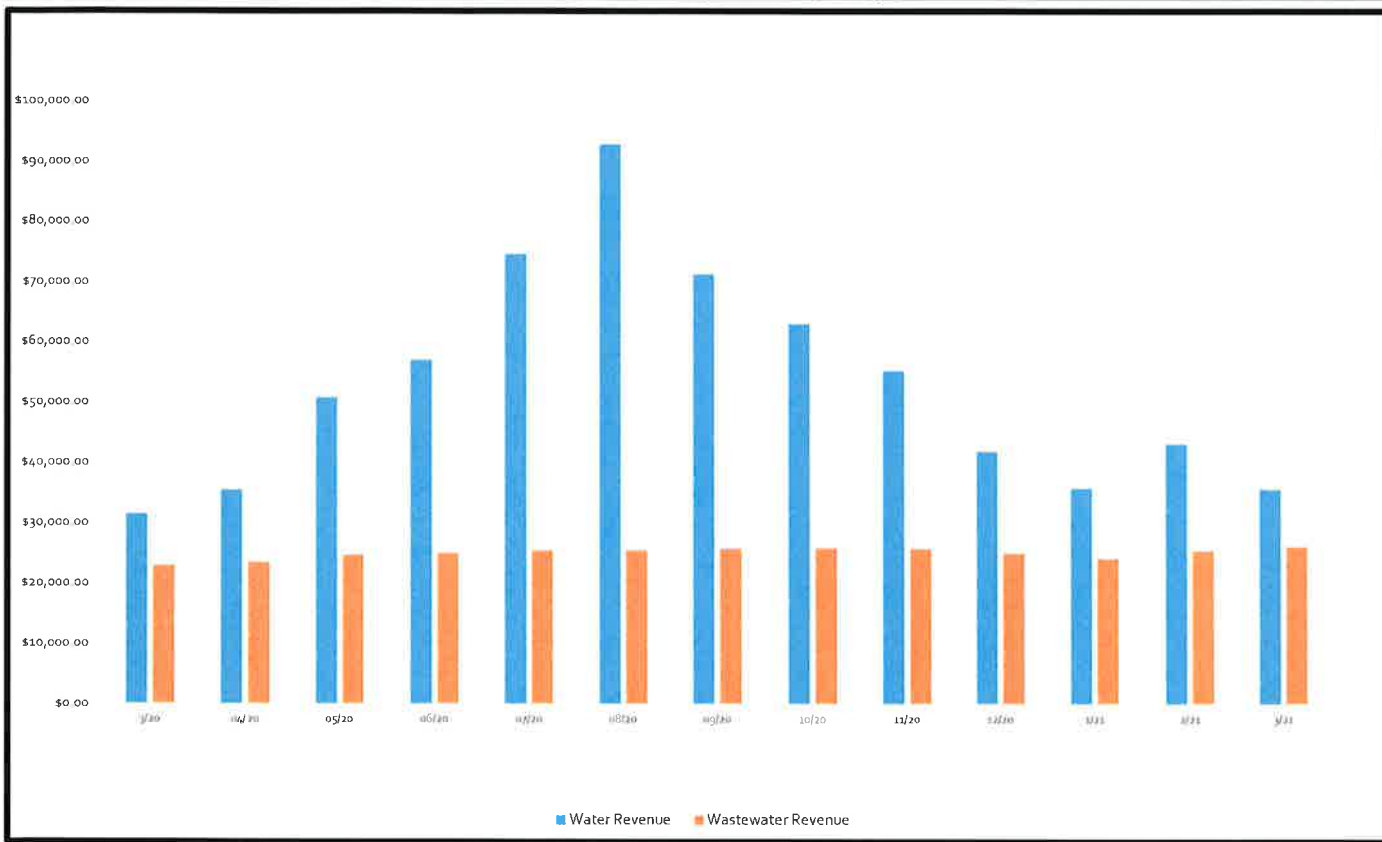
Amount	WO#	Amount	Description
N/A			



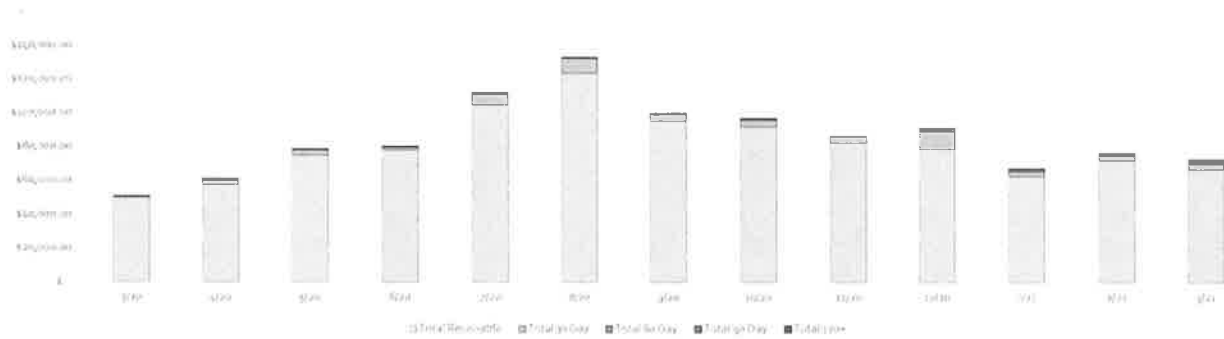
Billing Summary

Description	Connections		Variance
	Mar-20	Mar-21	
Residential	431	489	58
Commercial - HOA	9	14	
Hydrant	2	0	(2)
Tracking	1	1	-
Reclaimed	-	-	
Total Number of Accounts Billed	443	504	61
	Consumption		
Residential	3,281,000	3,419,000	138,000
Commercial - HOA	95,000	447,000	352,000
Hydrant	-	-	-
Tracking	310,000	-	(310,000)
Reclaimed	-	-	
Total Gallons Consumed	3,686,000	3,866,000	180,000
	Average Consumption		
Residential	7,613	6,992	(621)
Commercial - HOA	10,556	31,929	-
Hydrant	-	0	500
Tracking	310,000	-	(310,000)
Reclaimed	-	-	
Avg Water Use for Accounts Billed	8,320.54	7,670.63	(650)
Total Billed	56,044	63,168	7,124
Total Aged Receivables	(5,959)	3,422	9,381
Total Receivables	50,085	66,590	16,505

12 Billing Month History Revenue by Category



12 Month Accounts Receivable and Collections Report



Date	Total Receivable	Total 30 Day	Total 60 Day	Total 90 Day	Total 120+
3/20	\$ 50,085.39	\$ 11.77	\$ 479.25	\$ -	\$ 150.00
4/20	\$ 57,776.26	\$ 2,148.36	\$ 640.35	\$ 297.49	\$ 150.00
5/20	\$ 75,117.61	\$ 3,025.98	\$ 400.90	\$ -	\$ 150.00
6/20	\$ 78,405.65	\$ 1,297.87	\$ 320.35	\$ -	\$ 150.00
7/20	\$ 104,438.94	\$ 6,033.18	\$ 907.59	\$ 129.48	\$ 150.00
8/20	\$ 123,564.66	\$ 8,733.77	\$ 366.70	\$ 83.42	\$ 260.23
9/20	\$ 95,115.55	\$ 3,916.26	\$ 47.55	\$ -	\$ 343.65
10/20	\$ 92,013.46	\$ 4,019.90	\$ 742.29	\$ 2.25	\$ 150.00
11/20	\$ 82,439.31	\$ 3,512.35	\$ 38.02	\$ -	\$ 150.00
12/20	\$ 78,484.70	\$ 10,467.78	\$ 1,635.25	\$ 4.25	\$ 150.00
1/21	\$ 62,838.23	\$ 2,826.80	\$ 1,230.94	\$ -	\$ 150.00
2/21	\$ 71,868.27	\$ 2,651.64	\$ 710.54	\$ 963.56	\$ 150.00
3/21	\$ 66,589.70	\$ 3,275.28	\$ 1,024.60	\$ 514.93	\$ 1,113.56

Board Consideration to Write Off	\$0.00
Board Consideration Collections	\$0.00
Delinquent Letter Mailed	17
Delinquent Tags Hung	5
Disconnects for Non Payment	N/A



Water Production and Quality

Water Quality Monitoring

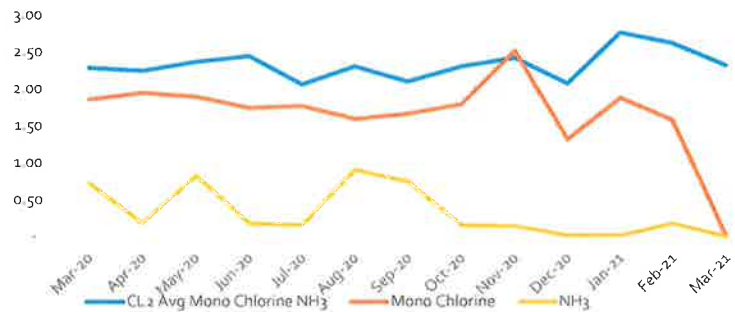
Current Annual Avg

2.25

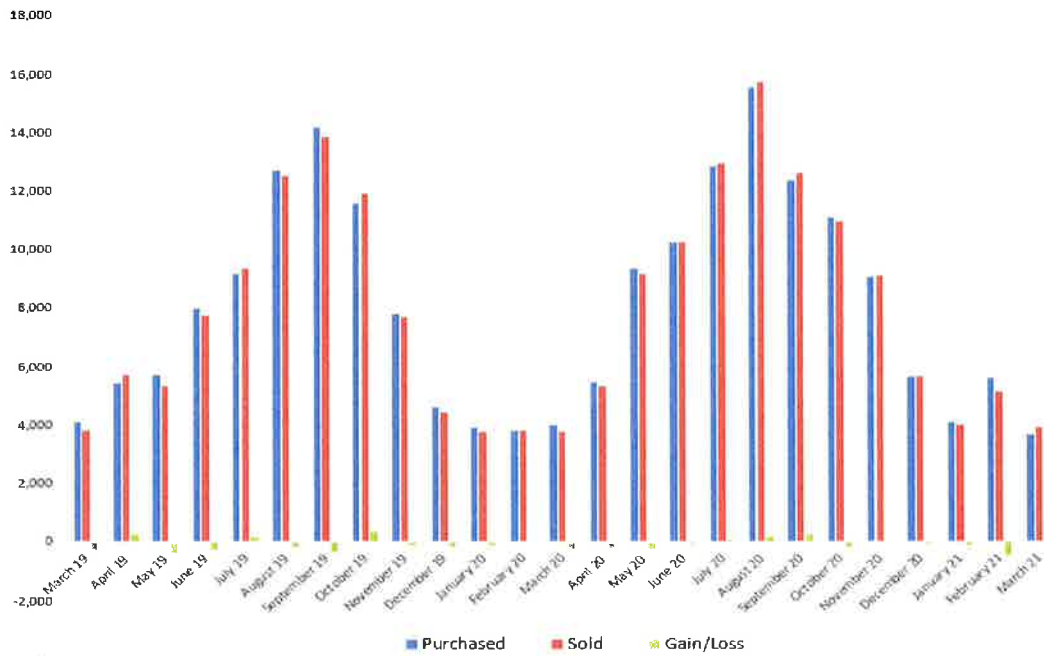
State Requirements Must Be Above .50

Date	CL2 Avg	Mono Chlorine	NH3
Mar-20	2.28	1.85	0.71
Apr-20	2.24	1.94	0.17
May-20	2.36	1.89	0.82
Jun-20	2.44	1.74	0.17
Jul-20	2.06	1.76	0.15
Aug-20	2.30	1.59	0.90
Sep-20	2.10	1.66	0.74
Oct-20	2.30	1.79	0.15
Nov-20	2.42	2.51	0.14
Dec-20	2.07	1.31	0.01
Jan-21	2.76	1.87	0.01
Feb-21	2.62	1.57	0.17
Mar-21	2.32	0.00	0.00

CL2 Avg-Mono Chlorine - NH3



Water Accountability Report



Month	Read Date	Number of Connections	Master Meters	Billed Use	Flushing /Other	Gal.s Loss (-)	% Loss	Accounted For
March 19	3/15/19	354	4,102	3,822	12	(268)	-6.53%	99.73%
April 19	4/16/19	358	5,970	5,734	12	(224)	-3.75%	115.28%
May 19	5/17/19	363	5,703	5,351	15	(337)	-5.91%	94.09%
June 19	6/17/19	371	8,009	7,756	13	(240)	-2.99%	97.01%
July 19	7/17/19	381	9,201	9,350	9	158	1.72%	101.72%
August 19	8/16/19	389	12,709	12,554	15	(140)	-1.10%	98.90%
September 19	9/17/19	399	14,217	13,856	0	(361)	-2.54%	97.46%
October 19	10/16/19	407	11,605	11,944	7	346	2.98%	102.98%
November 19	11/15/19	415	7,813	7,702	13	(98)	-1.25%	98.75%
December 19	12/17/19	424	4,622	4,461	5	(156)	-3.38%	96.62%
January 20	1/16/20	426	3,910	3,792	10	(108)	-2.77%	97.23%
February 20	2/17/20	432	3,820	3,840	9	29	0.75%	100.75%
March 20	3/18/20	443	3,996	3,793	8	(195)	-4.89%	95.11%
April 20	4/17/20	453	5,479	5,326	7	(146)	-2.66%	97.34%
May 20	5/18/20	459	9,377	9,157	8	(212)	-2.26%	97.74%
June 20	6/17/20	463	10,260	10,251	7	(2)	-0.10%	99.99%
July 20	7/17/20	468	12,895	12,956	1	62	0.48%	100.48%
August 20	8/18/20	474	15,588	15,754	8	174	1.12%	101.12%
September 20	9/18/20	481	12,398	12,644	8	254	2.05%	102.05%
October 20	10/19/20	485	11,108	10,956	7	(145)	-1.31%	98.69%
November 20	11/18/20	489	9,106	9,129	8	31	0.34%	100.34%
December 20	12/17/20	496	5,686	5,658	0	(20)	-0.48%	99.52%
January 21	1/15/21	498	4,118	3,998	7	(113)	-2.75%	97.25%
February 21	2/20/21	502	5,619	5,175	0	(444)	-7.90%	92.10%
March 21	3/19/21	504	3,695	3,920	15	240	6.49%	106.49%

Wastewater Flows for the Month of March



For the Month of March

	PERMIT	ACTUAL	COMPLIANT	PERCENT
Flow WWTP (Avg.)	0.050 MGD	0.048 MGD	Yes	96.0%
BOD (Avg)	20 mg/L	70.3 mg/L	No	
TSS (Avg)	20 mg/L	66.6 mg/L	No	
Chlorine Residual (Min)	1.0 mg/L	0.9 mg/L	No	
PH (Min)	6.0 Std Units	7.56 Std Units	Yes	
PH (Max)	9.0 Std Units	7.56 Std Units	Yes	

Reunion Ranch WCID Wastewater Flow Historical

* Water Leak at Rec Center

	Connections	Total Flows	Average	Avg Flow Per Connection	WWTP Capacity %
Mar-21	504	1,472,000	48,000	95	96%
Feb-21	502	1,234,000	44,000	89	88%
Jan-21	498	1,640,000	53,000	108	106%
TOTALS		4,346,000	46,333.33	96	97%
Dec-20	496	1,715,000	55,000	111	110%
Nov-20	489	1,468,000	49,000	100	98%
Oct-20	485	1,543,000	50,000	103	100%
Sep-20	481	1,511,000	50,000	104	100%
Aug-20	474	1,861,000	54,000	114	108%
Jul-20	468	1,542,000	50,000	107	100%
Jun-20	463	1,594,000	53,100	115	106%
May-20	459	1,545,000	49,800	108	100%
Apr-20	453	1,372,000	46,000	102	92%
Mar-20	443	1,344,000	43,000	97	86%
Feb-20	432	1,156,000	40,000	93	80%
Jan-20	428	1,129,000	38,000	85	72%
TOTALS		17,578,000	47,991.67	103	96%
Dec-19	424	1,171,000	38,000	90	76%
Nov-19	415	1,103,000	37,000	89	74%
Oct-19	407	1,167,000	38,000	93	76%
Sep-19	399	1,144,000	39,000	98	78%
Aug-19	389	1,306,000	42,000	108	84%
Jul-19	381	1,204,000	39,000	102	78%
Jun-19	371	1,038,000	35,000	94	70%
May-19	363	1,139,000	37,000	102	74%
Apr-19	358	1,017,000	33,000	92	66%
Mar-19	353	933,000	30,000	85	60%
Feb-19	347	807,000	29,000	84	58%
Jan-19	327	1,073,000	35,000	107	70%
TOTALS		13,102,000	36,000	95	72%

Open Work Orders for Pond maintenance & repair:

WO#:	Location:	Work scheduled:
2275994	591B Katie Dr, DP 2-4	Investigate deep trench, remove vegetation
2367086	591B Katie Dr, DP 2-4	Remove vegetation & clear inlet from the channel
2396347	Jacksdaw Dr, DP 3-1	Clean silt from inlet – holding water
2396357	Mary Elise Way, DP 2-2	Clean silt & vegetation from inlet – holding water
2461680	Mary Elise Way, DP 2-2	Small Erosion issue, hole forming by Inlet
2461783	Jacksdaw Dr, DP 3-3	Erosion issue at embankment of Pond

Completed Work Orders for Pond maintenance and repair:

WO#:	Location:	Work scheduled:
1701893	Mary Elise Way, DP 2-2	Add grass seed around Pond area
1701898	Mary Elise Way, DP 2-2	Clean silt out of Inlet structure
2053455	591B Katie Dr, DP 2-4	Replace rock that washed out on road to Pond
2135542	Jacksdaw Dr, DP 3-1	Erosion issue at outfall/spillway, area around erosion control fabric and french drain s eroding
2155301	Mary Elise Way, DP 2-2	Clean Inlet
2155305	Reunion Blvd, DP 2-3	Clean Inlet
2276034	Jacksdaw Dr, DP 3-1	Clean Inlet – full of silt
2276039	Reunion Blvd, DP 2-3	Clean Inlet – full of vegetation and silt
2319072	591B Katie Dr, DP 2-4	Replace broken stack located in the sand basin
2319078	591B Katie Dr, DP 2-4	Clean Inlet by fence on far right, clean deep ditch inlet in back
2319098	Jacksdaw Dr, DP 3-1	Clean Inlet
2367082	591B Katie Dr, DP 2-4	Clean silt out of sand bay area so it will drain, clean splitter box – clean silt so it won't hold water, grade in front of splitter box in front of inlet
2387972	RRWCID District Area	Clean all storm outlets as identified on TCEQ Inspection
2466755	591B Katie Dr, DP 2-4	Replaced lock on gate
2483580	591B Katie Dr, DP 2-4	Reset No Trespassing sign
2483622	Mary Elise Way, DP 2-2	Safety issue on trail, Metal edging above ground, replace missing red/white striped gate arm



**STORMWATER POND INSPECTION
DRAIN OUTLET**

DISTRICT: REUNION RANCH
DATE: 03/25/21
WO#: 2458430
TECH.: TAMMY YBARRA

Pond Location	DENISE COVE DRAIN
Pond water level	N/A
Does the pond drain within 48 hours?	N/A
Sediment depth in the forbay?	N/A
Sediment depth in the sand filter area?	N/A
Trash found at site?	N/A
Is vegetation below 18" in height?	N/A
Trees or brush found in basin area?	N/A
Condition of the media?	GRASS IN BULLROCK & SEDIMENT BUILD UP IN FRONT
Condition of vegetation around the out fall pipe	N/A
Was sediment found in the under drain piping? Remove open clean out tops and check	N/A
Any damage to structural elements (pipes, concrete drainage, retaining walls, gabian walls, etc.)?	N/A
Discharge valve open operational	N/A
Emergency bypass valve closed and operational	N/A
Are all inlets in area clear of debris and sediment?	CLEAR

COMMENTS CONSIDER REMOVING SILT IN FRONT OF DRAIN





STORMWATER POND INSPECTION

DISTRICT: REUNION RANCH
DATE: 03/25/21
WO#: 2458430
TECH.: TAMMY YBARRA

Pond Location	JANE COVE DRAIN
Pond water level	N/A
Does the pond drain within 48 hours?	N/A
Sediment depth in the forbay?	N/A
Sediment depth in the sand filter area?	N/A
Trash found at site?	N/A
Is vegetation below 18" in height?	YES
Trees or brush found in basin area?	NO
Condition of the media?	GOOD
Condition of vegetation around the out fall pipe	N/A
Was sediment found in the under drain piping? Remove open clean out tops and check	N/A
Any damage to structural elements (pipes, concrete drainage, retaining walls, gabian walls, etc.)?	N/A
Discharge valve open operational	N/A
Emergency bypass valve closed and operational	N/A
Are all inlets in area clear of debris and sediment?	N/A

COMMENTS





**STORMWATER POND INSPECTION
WET PONDS**

DISTRICT: REUNION RANCH

DATE: 03/25/21

WO#: 2458430

TECH.: TAMMY YBARRA

Pond Location	WQP 2-2
Pond water level?	WET POND
Inlets in good structural condition?	YES
Inlets clear of accumulated sediment or debris?	NO WO 2396357
Trash found at site?	NO
Sinkhole, cracks or seeps visible in the embankment?	YES
Erosion present at shoreline?	YES - SMALL SPOT WO 2461680
Erosion occurring around the inlets or outlet structures?	YES
Discharge valve open operational?	N/A
Condition of vegetation around the out fall pipe?	GOOD
Excessive algae blooms present?	NO
Invasive plants present?	NO
Trees or woody vegetation present on the dam or embankment?	NO
Sediment has accumulated and reduced the volume of the pond?	NO DATA

COMMENTS INLET HAS SEDIMENT AND VEGETATION - **WO 2396357**
EROSION ISSUE, SMALL HOLE FORMING - **WO 2461680**





**STORMWATER POND INSPECTION
WET PONDS**

DISTRICT: REUNION RANCH

DATE: 03/15/21

WO#: 2480750

TECH.: TAMMY YBARRA

Pond Location	WQP 2-3
Pond water level?	WET POND
Inlets in good structural condition?	YES
Inlets clear of accumulated sediment or debris?	SMALL AMOUNT OF SEDIMENT
Trash found at site?	NO
Sinkhole, cracks or seeps visible in the embankment?	NO
Erosion present at shoreline?	NO
Erosion occuing around the inlets or outlet structures?	NO
Discharge valve open operational?	N/A
Condition of vegetation around the out fall pipe?	N/A
Excessive algae blooms present?	NO
Invasive plants present?	NO
Trees or woody vegetation present on the dam or embankment?	NO
Sediment has accumulated and reduced the volume of the pond?	NO DATA

COMMENTS





**STORMWATER POND INSPECTION
SAND FILTER SYSTEM**

DISTRICT: REUNION RANCH
DATE: 03/15/21
WO#: 2480750
TECH.: TAMMY YBARRA

Pond Location	WQP 2-4
Pond water level	WET
Does the pond drain within 48 hours?	YES
Sediment depth in the forbay?	3"
Sediment depth in the sand filter area?	3"
Trash found at site?	NO
Is vegetation below 18" in height?	YES
Trees or brush found in basin area?	NO
Condition of the media?	WET
Condition of vegetation around the out fall pipe	HEAVILY VEGETATED
Was sediment found in the under drain piping? Remove open clean out tops and check	NO
Any damage to structural elements (pipes, concrete drainage, retaining walls, gablan walls, etc.)?	NO
Trickle Channel or Splitter Box	HAS SEDIMENT IN SPOTS
Emergency bypass valve closed and operational	N/A
Are all inlets in area clear of debris and sediment?	SMALL AMOUNTS OF SEDIMENTS
RESET NO TRESPASSING SIGN - WO 2483580	CLEAR INLET - WO 2367086

COMMENTS INVESTIGATE VEGETATION AT DEEP TRENCH - WO 2275994





**STORMWATER POND INSPECTION
WET PONDS**

DISTRICT: REUNION RANCH

DATE: 03/15/21

WO#: 2480750

TECH.: TAMMY YBARRA

Pond Location	WQP 3-1
Pond water level?	WET POND
Inlets in good structural condition?	YES
Inlets clear of accumulated sediment or debris?	HAS SEDIMENT
Trash found at site?	NO
Sinkhole, cracks or seeps visible in the embankment?	NO
Erosion present at shoreline?	NO
Erosion occuing around the inlets or outlet structures?	NO
Discharge valve open operational?	N/A
Condition of vegetation around the out fall pipe?	GOOD
Excessive algae blooms present?	NO
Invasive plants present?	NO
Trees or woody vegetation present on the dam or embankment?	NO
Sediment has accumulated and reduced the volume of the pond?	NO DATA
COMMENTS	SEDMIENT IN INLET CAUSING WATER TO HOLD - WO 2396347





**STORMWATER POND INSPECTION
WET PONDS**

DISTRICT: REUNION RANCH

DATE: 3/15/21

WO#: 2480750

TECH.: TAMMY YBARRA

Pond Location	WQP 3-3
Pond water level?	WET POND
Inlets in good structural condition?	NO INLET
Inlets clear of accumulated sediment or debris?	NO INLET
Trash found at site?	NO
Sinkhole, cracks or seeps visible in the embankment?	YES
Erosion present at shoreline?	YES
Erosion occuing around the inlets or outlet structures?	NO INLET
Discharge valve open operational?	YES
Condition of vegetation around the out fall pipe?	GOOD
Excessive algae blooms present?	NO
Invasive plants present?	NO
Trees or woody vegetation present on the dam or embankment?	NO
Sediment has accumulated and reduced the volume of the pond?	NO DATA

COMMENTS **EROSION ON EMBANKMENT WO 2461783**

