

CRAMMER ANALYTICAL LABORATORY 1188 East Main Street, Grass Valley, CA 95945-5710 (530) 273-7284, FAX (530) 273-9507 E.L.A.P. Certification No. 1938

**Client Name:** Paradise Irrigation District

**Date Reported:** 01/22/09

**Job Number:** 1090245

**Site Description:** 6345 Oak Way

**Sample Number:** 1090245-5

**Collected By:** Jason Bell

**Date Collected:** 01/20/09 8:28

**Source Type:** Surface Water

**Set Up Time:** 01/20/09 15:03

**Chlorine Residual:** 0.53

**Elapsed Time:** 6.6 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<u>Result</u>	<u>Method</u>	<u>Units</u>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Oliver & Sunset

**Sample Number:** 1090245-6

**Collected By:** Jason Bell

**Date Collected:** 01/20/09 8:40

**Source Type:** Surface Water

**Set Up Time:** 01/20/09 15:05

**Chlorine Residual:** 0.56

**Elapsed Time:** 6.4 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<u>Result</u>	<u>Method</u>	<u>Units</u>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Tank "E"

**Sample Number:** 1090245-7

**Collected By:** Jason Bell

**Date Collected:** 01/20/09 9:15

**Source Type:** Surface Water

**Set Up Time:** 01/20/09 15:04

**Chlorine Residual:** 0.34

**Elapsed Time:** 5.8 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<u>Result</u>	<u>Method</u>	<u>Units</u>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** 3936 Neal

**Sample Number:** 1090245-8

**Collected By:** Jason Bell

**Date Collected:** 01/20/09 9:44

**Source Type:** Surface Water

**Set Up Time:** 01/20/09 15:04

**Chlorine Residual:** 0.25

**Elapsed Time:** 5.3 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<u>Result</u>	<u>Method</u>	<u>Units</u>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

  
Ken Neely

# Cramer

## Analytical Laboratory

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JAN 25 2009

Paradise Irrigation District **Bacterial  
Report**

1188 East Main Street, Grass Valley, CA 95945-5710 (530) 273-7284, FAX (530) 273-9507 E.L.A.P. Certification No. 1936

Paradise Irrigation District  
ATTN Rick Terrano  
P.O.Box 2409  
Paradise CA 95967-2409

**Job Number:** 1090304  
**Date Reported:** 01/26/09  
**Date / Time Received:** 01/23/09 17:08  
**System Number:** 0410007

**Site Description:** Redbud & Pinewood

**Collected By:** Jason Bell  
**Source Type:** Surface Water  
**Chlorine Residual:** 0.3  
**Title 22 Designation:** Routine

**Sample Number:** 1090304-1  
**Date Collected:** 01/23/09 8:35  
**Set Up Time:** 01/23/09 17:24  
**Elapsed Time:** 8.8 Hours  
**Analysis:** Presence/Absence (18 hr)  
**Media:** MMO-MUG 18hr

	Result	Method	Units
<b>Total Coliform</b>	Present	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Valley View and Wagon Wheel

**Collected By:** Jason Bell  
**Source Type:** Surface Water  
**Chlorine Residual:** 0.61  
**Title 22 Designation:** Routine

**Sample Number:** 1090304-2  
**Date Collected:** 01/23/09 8:45  
**Set Up Time:** 01/23/09 17:24  
**Elapsed Time:** 8.7 Hours  
**Analysis:** Presence/Absence (18 hr)  
**Media:** MMO-MUG 18hr

	Result	Method	Units
<b>Total Coliform</b>	Present	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** 3284 Neal

**Collected By:** Jason Bell  
**Source Type:** Surface Water  
**Chlorine Residual:** 0.25  
**Title 22 Designation:** Routine

**Sample Number:** 1090304-3  
**Date Collected:** 01/23/09 9:00  
**Set Up Time:** 01/23/09 17:24  
**Elapsed Time:** 8.4 Hours  
**Analysis:** Presence/Absence (18 hr)  
**Media:** MMO-MUG 18hr

	Result	Method	Units
<b>Total Coliform</b>	Present	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Client Name:** Paradise Irrigation District

**Date Reported:** 01/26/09

**Job Number:** 1090304

**Site Description:** Special "D" Tank Well

**Sample Number:** 1090304-4

**Collected By:** Jason Bell

**Date Collected:** 01/23/09 8:00

**Source Type:** Surface Water

**Set Up Time:** 01/23/09 17:24

**Chlorine Residual:** None detected

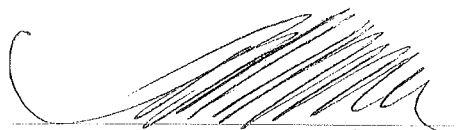
**Elapsed Time:** 9.4 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (18 hr)

**Media:** MMO-MUG 18hr

	<u>Result</u>	<u>Method</u>	<u>Units</u>
<b>Total Coliform</b>	Present	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL



Ken Neely

# Crammer

## Analytical Laboratory

RECEIVED

FEB 02 2009

Paradise Irrigation District

# Bacterial Report

1188 East Main Street, Grass Valley, CA 95945-5710 (530) 273-7284, FAX (530) 273-9507 E.L.A.P. Certification No. 1936

Paradise Irrigation District  
ATTN Rick Terrano  
P.O.Box 2409  
Paradise CA 95967-2409

**Job Number:** 1090333  
**Date Reported:** 01/29/09  
**Date / Time Received:** 01/27/09 15:08  
**System Number:** 0410007

**Site Description:** Dean & Subke

**Sample Number:** 1090333-1

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 7:32

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:27

**Chlorine Residual:** 0.43

**Elapsed Time:** 7.9 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	Result	Method	Units
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** #2 Pump Station

**Sample Number:** 1090333-2

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 7:45

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:21

**Chlorine Residual:** 0.52

**Elapsed Time:** 7.6 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	Result	Method	Units
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Special - "D" Tank Well

**Sample Number:** 1090333-3

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 8:04

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:21

**Chlorine Residual:** None detected

**Elapsed Time:** 7.3 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	Result	Method	Units
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Client Name:** Paradise Irrigation District

**Date Reported:** 01/29/09

**Job Number:** 1090333

**Site Description:** Tank "D"

**Sample Number:** 1090333-4

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 8:15

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:28

**Chlorine Residual:** 0.12

**Elapsed Time:** 7.2 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** 858 Central Park

**Sample Number:** 1090333-5

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 8:27

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:27

**Chlorine Residual:** 0.59

**Elapsed Time:** 7.0 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** 1640 Young

**Sample Number:** 1090333-6

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 9:57

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:21

**Chlorine Residual:** 0.57

**Elapsed Time:** 5.4 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** 5678 Sawmill

**Sample Number:** 1090333-7

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 10:08

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:21

**Chlorine Residual:** 0.6

**Elapsed Time:** 5.2 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Client Name:** Paradise Irrigation District

**Date Reported:** 01/29/09

**Job Number:** 1090333

**Site Description:** 2221 DeMille

**Sample Number:** 1090333-8

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 10:18

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:27

**Chlorine Residual:** 0.37

**Elapsed Time:** 5.2 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** 5247 S. Libby

**Sample Number:** 1090333-9

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 10:31

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:27

**Chlorine Residual:** 0.46

**Elapsed Time:** 4.9 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Nature's Way & Old Clark

**Sample Number:** 1090333-10

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 10:44

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:33

**Chlorine Residual:** 0.45

**Elapsed Time:** 4.8 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Foster & Wirth Way

**Sample Number:** 1090333-11

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 11:00

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:27

**Chlorine Residual:** 0.28

**Elapsed Time:** 4.5 Hours

**Title 22 Designation:** Routine

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Client Name:** Paradise Irrigation District

**Date Reported:** 01/29/09

**Job Number:** 1090333

**Site Description:** Redbud & Pinewood

**Sample Number:** 1090333-12

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 8:53

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:33

**Chlorine Residual:** 0.28

**Elapsed Time:** 6.7 Hours

**Title 22 Designation:** Repeat

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Redbud & Pinewood (downstream)

**Sample Number:** 1090333-13

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 9:04

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:21

**Chlorine Residual:** 0.25

**Elapsed Time:** 6.3 Hours

**Title 22 Designation:** Repeat

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Redbud & Pinewood (Upstream)

**Sample Number:** 1090333-14

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 8:58

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:28

**Chlorine Residual:** 0.23

**Elapsed Time:** 6.5 Hours

**Title 22 Designation:** Repeat

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** 3284 Neal (upstream)

**Sample Number:** 1090333-15

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 11:42

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:21

**Chlorine Residual:** 0.27

**Elapsed Time:** 3.7 Hours

**Title 22 Designation:** Repeat

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Client Name:** Paradise Irrigation District

**Date Reported:** 01/29/09

**Job Number:** 1090333

**Site Description:** 3284 Neal (downstream)

**Sample Number:** 1090333-16

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 11:28

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:28

**Chlorine Residual:** 0.24

**Elapsed Time:** 4.0 Hours

**Title 22 Designation:** Repeat

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** 3284 Neal

**Sample Number:** 1090333-17

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 11:23

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:28

**Chlorine Residual:** 0.24

**Elapsed Time:** 4.1 Hours

**Title 22 Designation:** Repeat

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Valley View & Wagon Wheel

**Sample Number:** 1090333-18

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 9:24

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:27

**Chlorine Residual:** 0.5

**Elapsed Time:** 6.1 Hours

**Title 22 Designation:** Repeat

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Site Description:** Valley View & Wagon Wheel (downstream)

**Sample Number:** 1090333-19

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 9:30

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:27

**Chlorine Residual:** 0.5

**Elapsed Time:** 6.0 Hours

**Title 22 Designation:** Repeat

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL

**Client Name:** Paradise Irrigation District

**Date Reported:** 01/29/09

**Job Number:** 1090333

**Site Description:** Valley View & Wagon Wheel (upstream)

**Sample Number:** 1090333-20

**Collected By:** Jason Bell

**Date Collected:** 01/27/09 9:34

**Source Type:** Surface Water

**Set Up Time:** 01/27/09 15:33

**Chlorine Residual:** 0.54

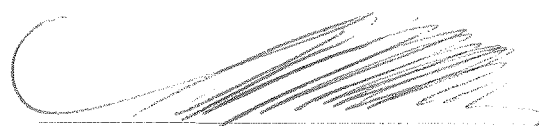
**Elapsed Time:** 6.0 Hours

**Title 22 Designation:** Repeat

**Analysis:** Presence/Absence (24 hr)

**Media:** MMO-MUG 24hr

	<b>Result</b>	<b>Method</b>	<b>Units</b>
<b>Total Coliform</b>	Absent	SM(18) 9223	Presence/Absence per 100mL
<b>E. coli</b>	Absent	SM(18) 9223	Presence/Absence per 100mL



Ken Neely