



WAMS NATIONAL USER CONFERENCE

LEARNING LAB | ENTRY **FORMS**

Monthly Data Entry

Custom Data Entry

Mobile Data Entry



HELLO! MEET THE TEAM.



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TODAY'S AGENDA

- WIMS Monthly Data Entry
- Rio Mobile Data Entry
- Custom Data Entry

MONTHLY DATA ENTRY FORMS (MDE)

Lab Data - Monthly Data Entry (7/1/2022 - 7/31/2022)

File Edit Format Calc

Jul 2022 Tuesday, July 19, 2022 Logbook Calc

9001 - 501 E. Commonwealth - Chlorine (mg/L) (Day Parameter)

Entry Min 0.01 Daily Limit Min Max Var Info Equation

	Daily Con	Dist1632 E. Cindy St			Dist1501 E. Commonwealth			Dist955 E. Chandler Blvd			Dist2322 E. Folley St		
		1632 E. Cindy St - Chlorine 9021 mg/L	1632 E. Cindy St - TDS 9022 mg/L	1632 E. Cindy St - HPC 9023 cfu/mL	501 E. Commonwealth - 9001 mg/L	501 E. Commonwealth - 9002 mg/L	501 E. Commonwealth - 9003 cfu/mL	955 E. Chandler Blvd - Chlorine 9011 mg/L	955 E. Chandler Blvd - TDS 9012 mg/L	955 E. Chandler Blvd - HPC 9013 cfu/mL	2322 E. Folley St - Chlorine 9031 mg/L	2322 E. Folley St - TDS 9032 mg/L	2322 E. Folley St - HPC 9033 cfu/mL
1 Fri													
2 Sat		1.70	1068		1.30	1028		0.90	1049		1.70	1103	
3 Sun													
4 Mon													
5 Tue													
6 Wed													
7 Thu													
8 Fri		2.20	995		2.00	1000		2.20	815		2.20	851	
9 Sat		2.20	859		2.20	881		2.20	864		2.20	960	
10 Sun													
11 Mon													
12 Tue													
13 Wed													
14 Thu													
15 Fri													
16 Sat	Jul	1.90	846		2.00	873		2.00	864		2.20	852	
17 Sun													
18 Mon													
19 Tue													
20 Wed													
21 Thu													
22 Fri		2.50	802		2.50	793		2.20	741		2.10	770	
23 Sat													
24 Sun													
25 Mon													
26 Tue													
27 Wed													
28 Thu		1.70	776		1.60	799		1.60	769		1.40	734	
29 Fri													
30 Sat													
31 Sun													
MINIMUM		1.70	776	-	1.30	793	-	0.90	741	-	1.40	734	-
MAXIMUM		2.50	1,068	-	2.50	1,028	-	2.20	1,049	-	2.20	1,103	-
AVERAGE		2.03	891	-	1.93	896	-	1.85	850	-	1.97	878	-
SUM		12.20	5,346	-	11.60	5,374	-	11.10	5,102	-	11.80	5,270	-
GEOMEAN		2.01	885	-	1.89	891	-	1.77	845	-	1.94	870	-

DID YOU KNOW?



Design / Edits

- Can be done in the Design menu or the form itself
- Adjustments to entry form options are commonly overlooked



Entry Form Group Manager

- Organizes your entry forms
- Assigns permission for accessing, reading, writing to individual users

Despite the name **MDE's** can display more or less than 1 month of data





LEVEL UP

Monthly Data Entry Forms



Multiple Facility Data (8.2.0)

Enter/review data from other facilities

USER ACCESS

ON/OFF

DATA APPROVAL

NOT FOR WIMS ONLINE

Not required entry slots (8.2.0)

Grays out cells to show values are not required on select days

WEEKDAY SELECTIONS

LABCAL SCHEDULE

Add LabCal info(8.1.8)

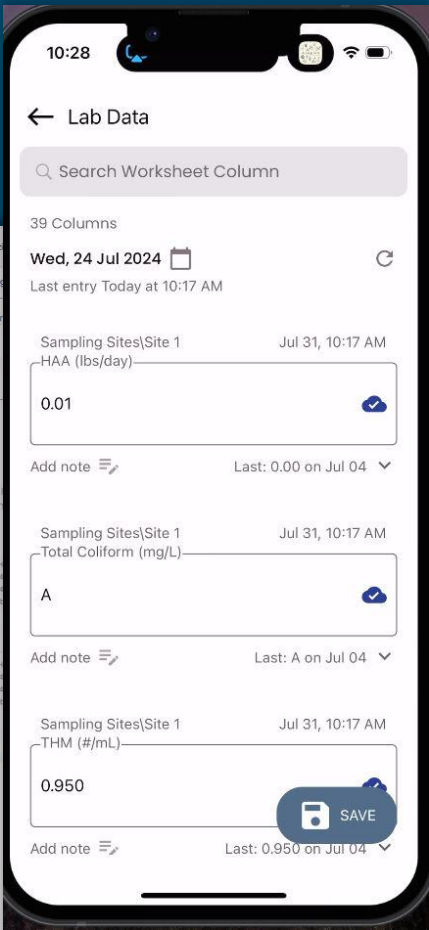
Easier data review and transparency

ADD LABCAL FIELDS

SAMPLE/BATCH INFO

RIO DATA ENTRY

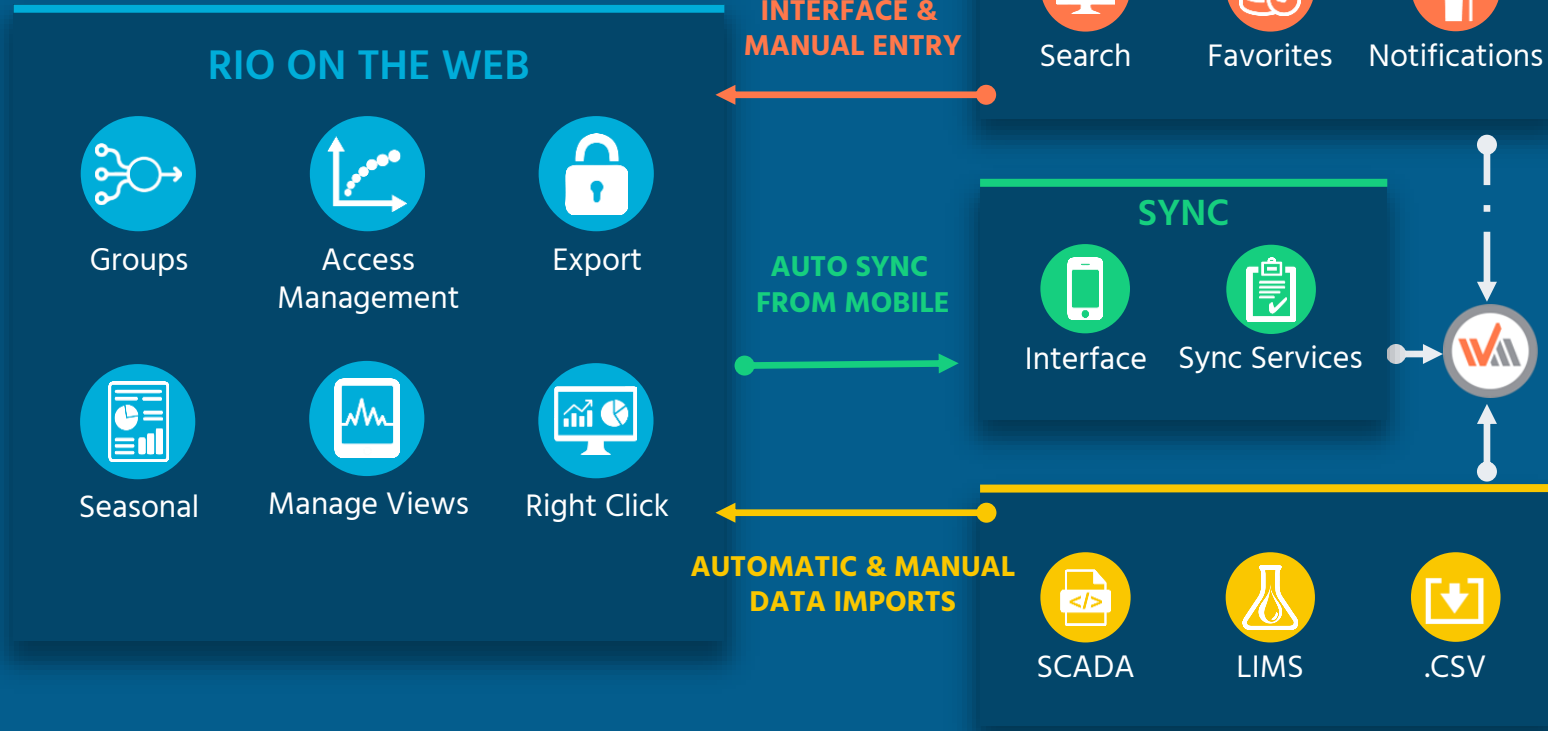
Coyote WTP													
Coyote WTP													
June 2024													
Daily	Sampling Sites Site 1												
	HAA (lbs/day)	Total Coliform (mg/L)	THM (#/mL)	HPC (#)	Bromodichloro methane (mg/L)	Bromoform (mg/L)	Chloroform (mg/L)	Dibromochloro methane (mg/L)	Alkalinity (mg/L)	Nitrate (mg/L)	Nitrite (mg/L)	Total Ammonia (mg/L)	
6/1/2024													
6/2/2024													
6/3/2024													
6/4/2024	0.00	A	0.950	9.5	3.9	11.8	16.3	6.3	5	23.3	2	0.95	
6/5/2024	☒												
6/6/2024	☒												
6/7/2024	☒												
6/8/2024	☒												
6/9/2024	☒												
6/10/2024	☒												
6/11/2024	☒												
6/12/2024	☒												
6/13/2024	☒												
6/14/2024	☒												
6/15/2024	☒												
6/16/2024	☒												
6/17/2024	☒												
6/18/2024	☒												
6/19/2024	☒												
6/20/2024	☒												
6/21/2024	☒												
6/22/2024	☒												
6/23/2024	☒												
6/24/2024	0.01	A	0.950	9.5	3.9	11.8	16.3	6.3	5	23.3	2	0.95	
6/25/2024	☒												
6/26/2024	☒												
6/27/2024	☒												
6/28/2024	☒												
6/29/2024	☒												
6/30/2024	☒												
Minimum	0.00	0	0.950	9.5	3.9	11.8	16.3	6.3	5	23.3	2	0.95	
Maximum	0.01	0	0.950	9.5	3.9	11.8	16.3	6.3	5	23.3	2	0.95	
Average	0.00	0	0.950	9.5	3.9	11.8	16.3	6.3	5	23.3	2	0.95	
Sum	0.01	0	1500	19	7.8	23.6	32.6	12.6	10	46.6	4	1.9	
GeoMean	0.00	0	0.950	9.5	3.9	11.8	16.3	6.3	5	23.3	2	0.95	



DID YOU KNOW? WIMS RIO – WEB AND APP



Made for Operators, Lab, Water Quality Compliance, Plant Managers, & Engineers



CUSTOM DATA ENTRY FORMS (CDE)

File Edit Format Help KeyPad

Start Date: 08/08/2024 12:00 AM Go Thu, August 08, 2024 Logbook Refresh Conditional Format

R20 \$R\$16/\$R\$18*1000000 Save Approve Calc Show Calcs

Entry Min None Daily Limit Min None Var Info 619 Effluent TSS (mg/L)
 Max 100 Max None Equation

WIMS

Analyst: JA Oven Temperature In: 103.5 View SOP

Sample Date: 08/08/24 - Thu Oven Temperature Out: 106.1
 Oven temp outside of acceptable range! (103-105)
 Notify Lab manager immediately

Analysis Date/Time: 08/09/24 15:05

	Inf TSS	PE TSS	RAS Conc	MLSS	Eff TSS
Sample & Tare	1.0035 g	1.0029 g	1.0410 g	1.0111 g	1.0011 g
Tare	1.0010 g	1.0011 g	1.0010 g	1.0009 g	1.0008 g
Solids	0.0025 g	0.0018 g	0.0400 g	0.0102 g	0.0003 g
Sample Volume	10.00 ml	10.00 ml	5.00 ml	5.00 ml	10.00 ml
Suspended Solids	250 mg/L	180 mg/L	8000 mg/L	2040 mg/L	30 mg/L
Yesterday's results	130 mg/L	130 mg/L	3 mg/L	3 mg/L	14 mg/L

JOHN(Pending Save) FINAL APPROVAL Num Forced Down Overwrite AA 1 Day Parameter AS Auto Cond Format On



Purpose



Mechanism



Advantages

DID YOU KNOW?



Design / Import

- Import layout from existing Excel form
- Similar features as spread report design



Save a daily bench sheet

- Include entries essential for auditing that are not required for reporting

You can configure **CDEs** to save automatically – setting is per user



WHY CDES AREN'T ALWAYS THE BEST CHOICE



TIME CONSUMING SETUP

Requires more time and expertise to configure.



FIXED DATE RANGES

Limited flexibility compared to monthly data entry forms.



COMPLEXITY

Higher potential for design errors.



THANKS!

**ANY QUESTIONS
OR COMMENTS?**

AQUATIC INFORMATICS

