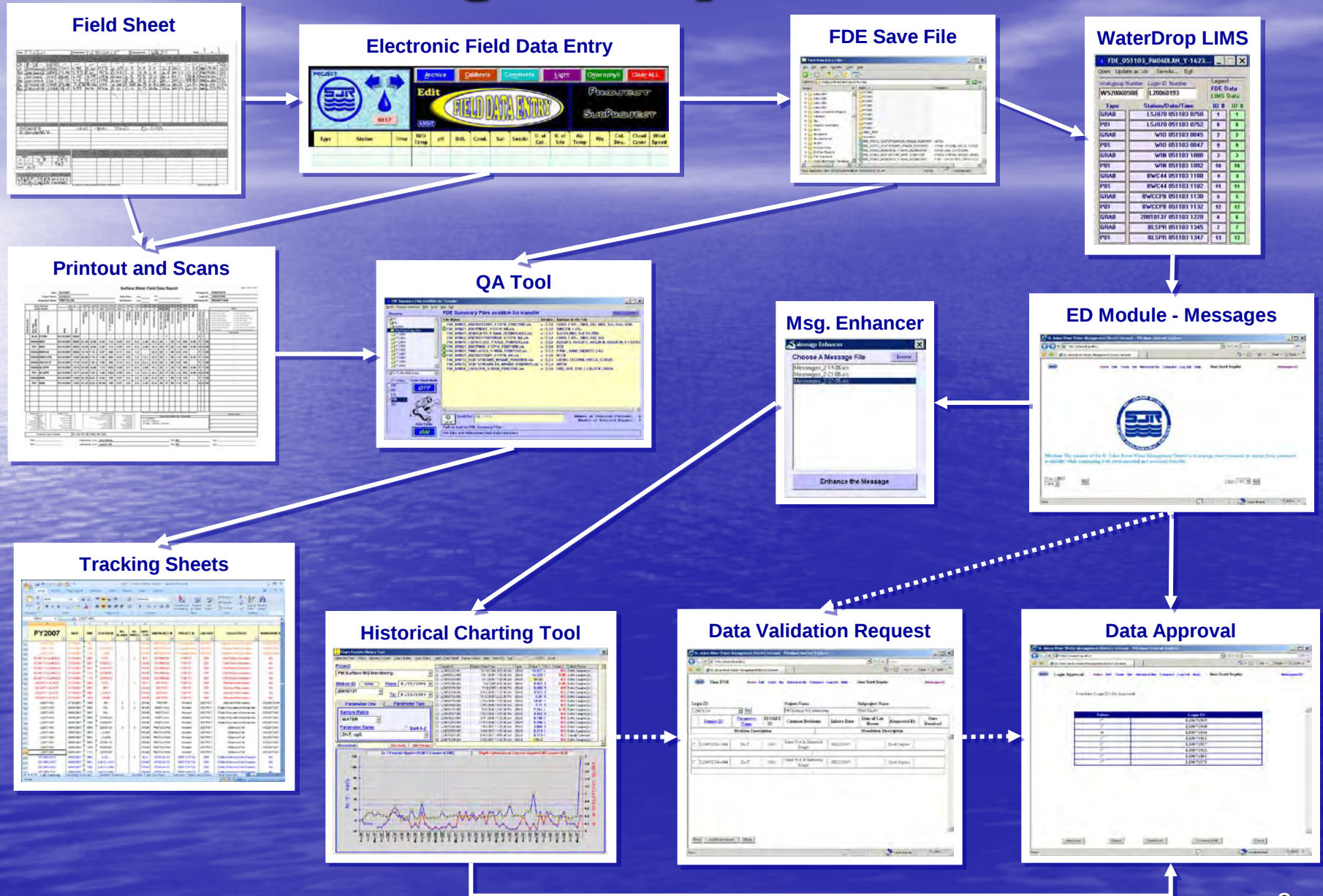


Water Quality Data Flow



Water Quality Data Flow



Field Data Entry Process

- Field, Calibration, and Sample data is entered into a field notebook by hand.

Date: 070201 Subproject: DEMIDDLE Instrument ID: 16237 Page 1 of 1

Type	Site ID	Time	Water Temp	pH	DO	Cond	Salinity	Collect Depth	Site Depth	Secchi	Air Temp	Wx	Cloud	Wind Spd	Wind Dir	Sludge	Data Sndr Operator
			°C		mg/L	µmhos/cm	ppt	m	m	cm	°C		%	mph	deg	ft	Initials
G	P-DE--	0835	—	—	—	—	—	—	—	—	—	—	—	—	—	—	SS
G	20020012	0840	17.99	7.94	8.60	452	0.22	0.3	3.3	1.9	16.8	20	1	0	1.5	140	19.00 SS
PDI	20020012	0842	17.99	7.93	8.61	452	0.22	3.2	3.3	1.9	16.8	20	17	0	1.5	140	19.20 SS
G	20010002	1025	15.45	7.75	9.28	1196	0.160	0.3	9.3	1.0	20.1	20	1	98	8.7	200	10.40 SS
PDI	20010002	1027	15.42	7.74	9.05	1194	0.160	0.2	9.3	1.0	20.1	20	17	98	8.7	200	10.40 SS
G	27010579	1240	13.89	7.52	8.06	422	0.20	0.25	0.5	0.5L	24.16	20	2	60	3.1	260	6.50 SS
PDI	27010579	1242	14.07	7.54	20.31	426	0.21	0.4	0.5	0.5L	24.16	20	17	60	3.1	260	6.50 SS

- The data is transferred to electronic format.
- Preliminary QA is applied to reduce errors.
- Standardization is enforced between Projects.
- Ability to download saved Multi-Meter data file.
- Saved data files are used to upload field and sampling data to the Environmental Database.

Field Data Processor

Calibration / Verification

Tool Buttons

Clear Type

Clear All

Add New

Delete

Copy to ICV

Temperature

Value Brackets

Low

High

000

1413

DO

Calibration Time

Start

End

03/07/2007 06:30

03/07/2007 12:30

pH

Maint Status

Maint

Due

Conductivity

Salinity

Passing Criteria

Min Pass

Bracket

pH 7

PASS

PASS

NA

Reading Status

Pass or Fail

PASS

Criteria

± 5%

Pass Status

Temp

DO

pH

Cond

Sal

Turb

Light

Date Type Initials Time Chemical ID Meter Reading

03/07/2007

ICV

SS

0635

EA20060048

101

Comment

Instr Type	Pass Fail	Criteria	Type	Initials	Date	Time	Standard	Reading	Chem ID	Exp Date	Manufacturer Name	Lot #
Conductivity	PASS	Y or N	CAL	SS	03/07/2007	06:30	1413		C060318	09/30/2007	Exaxol	L060913
Conductivity	PASS	± 5%	ICV	SS	03/07/2007	06:35	100	101	EA20060048	10/31/2007	Ricca	26103
Conductivity	PASS	± 5%	CCV	JT	03/07/2007	12:30	1413	1423	C060318	09/30/2007	Exaxol	L060913
Conductivity	FAIL	± 5%	CCV	JT	03/07/2007	12:30	10000	9150	C060328	09/30/2007	Exaxol	605

Standard Value

Manufacturer Name

Lot #

Expiration Date

Date of Receipt

Date of First Use

Purity Grade

Date of Preparation

100

Ricca

2610373

10/31/2007

10/01/2006

12/18/2006

03/21/2007

Sarah Seitz

DO

OK

Due in 20 Days

Cond

OK

Due in 2 Days

Sal Calc

OK

Depth

OK

Due in 2 Days

H2O Temp

OK

Due in 52 Days

NIST Used: 8551

PN2

CHL

C060287

DI Date

08/22/2007

LIMS

Prelogin ID

DE2007TVAUGMIDDLE

Login ID

Worksheet ID

Temperature Calibration Values

Cold

Room

Hot

10.60

26.20

33.30

Criteria

Temp Bracket Values

±1.0 °C

10.6 to 33.3

±1.0 °C

10.6 to 33.3

NIST Available

St

ID

Exp Date

8551

10/17/2008

Exit

Station

FLB
JXTR26
MAT
MRT
F-NB--
JXTR21
JXTR21
MCICW
MR312

Universal Comm
This Commer

Sample Commer
This Commer

Character Count

Edit Data
Enter Field

Field Data

Draw

Ready

Preview and Print Field Data Reports



CALIBRATION LOG

CAL - Calibrate (Calibrate Mode)
ICV - Initial Calibration Verification (Run Mode)
CCV - Continuing Calibration Verification (Run Mode)

12/01/07

DEP TV

Subproject: DE07MIDDLE

Temperature °C DEP SOP FT 1400	Instr. ID Y-16237	Manufacturer YSI	Acceptance Criteria: +/- 0.2 deg C					
Instrument Checks:			Min P	Brket P	Maint P			
Cal/Ver	Initials	Date	Time	Therm ID	Cal Temp °C	Reading	Comment	Pass/Fail

Dissolved Oxygen mg/L DEP SOP FT 1500	Instr. ID Y-16237	Manufacturer YSI	Acceptance Criteria: +/- 0.3 mg/L					
Instrument Checks:			Min P	Brket NA	Maint P			
Cal/Ver	Initials	Date	Time	Temp °C	Chart	Reading	Comment	Pass/Fail
CAL	DB	02/01/2007	0615	18.60	9.35			PASS
ICV	DB	02/01/2007	0620	18.00	9.47	9.53		PASS
CCV	AH	02/02/2007	0930	19.43	9.20	9.45		PASS

Conductivity µmhos/cm DEP SOP FT 1200	Instr. ID Y-16237	Manufacturer YSI	Acceptance Criteria: +/- 5%					
Instrument Checks:			Min P	Brket P	Maint P			
Cal/Ver	Initials	Date	Time	Standard	Chem ID	Reading	Comment	Pass/Fail
CAL	DB	02/01/2007	0615	1413	C060388			PASS
ICV	DB	02/01/2007	0620	100	C060266	103		PASS
CCV	AH	02/02/2007	0930	1413	C060318	1406		PASS

pH SU DEP SOP FT 1100	Instr. ID Y-16237	Manufacturer YSI	Acceptance Criteria: +/- 0.2 SU					
Instrument Checks:			Min P	Brket P	Maint P			
Cal/Ver	Initials	Date	Time	Standard	Chem ID	Reading	Comment	Pass/Fail
CAL	DB	02/01/2007	0615	7.00	C060363			PASS
CAL	DB	02/01/2007	0615	4.01	C060358			PASS
CAL	DB	02/01/2007	0615	10.00	C060370			PASS
ICV	DB	02/01/2007	0620	7.00	C060363	7.05		PASS
CCV	AH	02/02/2007	0930	7.00	C060363	7.08		PASS
CCV	AH	02/02/2007	0930	4.01	C060358	4.07		PASS
CCV	AH	02/02/2007	0930	10.00	C060370	9.94		PASS



Field Data Entry

Sampled Site

SRS

Blank

Equipment

Preservation

Preserved < 15 minutes

Sulfuric

Lot# EAP2006001

Was SCI Performed

- ☐ N/A
☒ YES
☐ NO

Blah
blah

Sample Comments

GRAB 1040- This

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STATUS NETWORK SURFACE WATER FIELD SHEET Watershed Monitoring and Data Management Section

Station Information

Ocklawaha River at SR 316

STATION ID: 20020012	DATE: 7/30/2007
WATERBODY TYPE: Large River (>4 order)	LATITUDE (N): 29° 22' 18.560"
WEATHER CONDITIONS: Clear	LONGITUDE (W): 81° 54' 06.060"

Water Quality Measurements

Total Water Depth: 4.1 (meters)
Secchi Depth: 3.2 (meters)
Stage: 20.58 (Feet)
Stream Flow: Flow within Banks
Lake Level: NA
Collection Device: Sample Container
SCI Performed: -

Sediment Information

Collection Depth: (meters)
Collection Area:
Collection Device:
Sediment Type:
Sediment Odors:
Sediment Color:
Number Of Grabs:

Field Measurements:

Surface	Time ETZ	Depth Collected Meters	pH s.u.	D.O. mg/L	Temperature °C	Conductivity µmhos/cm	Surface
	0810	0.30	7.7	6.17	25.0	476	
Bottom	Time ETZ	Depth Collected Meters	pH s.u.	D.O. mg/L	Temperature °C	Conductivity µmhos/cm	Bottom
	0812	4.00	7.6	6.21	25.0	476	

Meter ID# Y-16237

Temp Calibrated: 06/28/07

Field Measurements read by: Jessica Taft

Comments:

--

Preservation Information

Samples Preserved within 15 min:
 (including QA/QC)
 pH Verified **PASS**
 Preservative Lot #s:
 Sulfuric: EAP20060007
 Nitric: EAP2007005

Place Site
Barcode
Label Here

Place QA/QC
Barcode
Label Here

QA/QC

Type:	-
Time Collected:	-

Samplers

Names:	Jessica Taft
	Sarah Seitz
Signatures:	



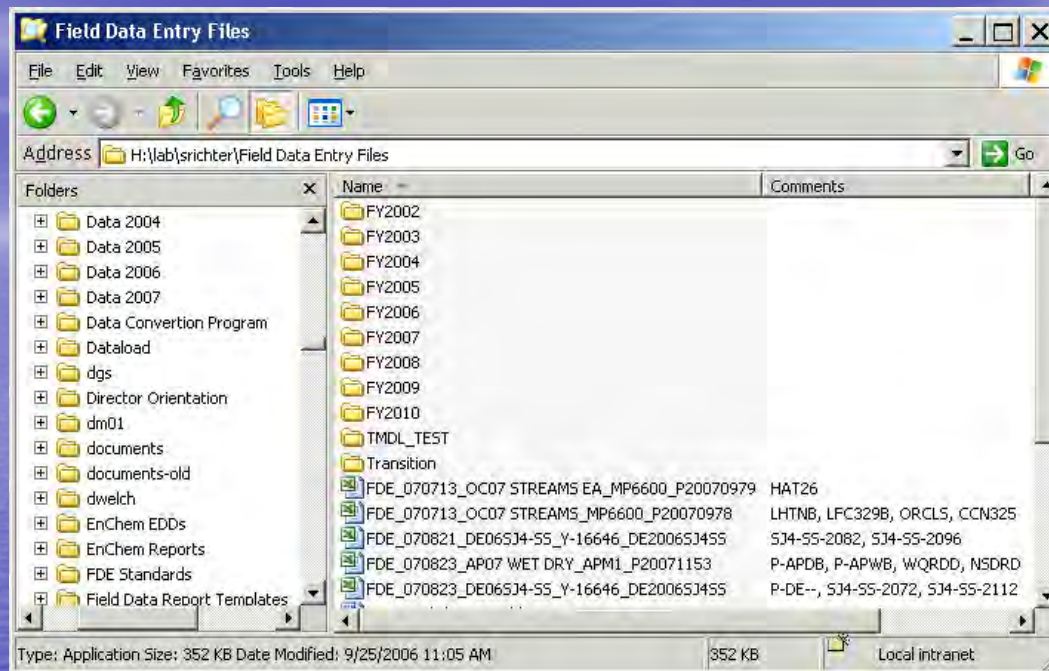
May 2007

OFFICE USE ONLY

Reviewed for completion by:

Date:

Field Data Entry Data Files



After Data is Entered and Printed out the Data is saved to a data file and the Field Sheets are scanned into the computer for archival purposes.

QA Process

FDE Summary Files Available for Transfer

Month Process Selections Edit Tools Help Exit

Directory

- H:\
- lab
- srichter
- Field Data Entry Files
- FY2002
- FY2003
- FY2004
- FY2005
- FY2006
- FY2007
- FY2008
- FY2009
- FY2010

h: [\PALFILE\User]

☒ All Files

Scan Sheet Mode

OFF

Auto Folder

ON

☐ US

☒ DE

☐ LS

☒ PM

☐ OC

FDE Summary Files available for transfer Ping Tracking Sheets

File Name	Version	Stations in the File
FDE_070822_US07DOSTUDY_Y-13710_P20071085.xls	v - 5.3.0	C40E8, F-US-, SMO, HBI, HBO, SGI, SGO, USH
FDE_070821_US07PMN6C_Y-13710_NA.xls	v - 5.3.0	SNKCEN, F-US-
FDE_070821_DE06SJ4-SS_Y-16646_DE2006SJ4SS.xls	v - 5.3.1	SJ4-SS-2082, SJ4-SS-2096
FDE_070822_US07DOSTUDYXBOD_Y-13710_NA.xls	v - 5.3.0	C40E8, F-US-, SMO, HBI, SGI
FDE_070814_LS07ATLOCE_Y-17626_P20070783.xls	v - 5.3.0	AOSJR-S, AOSJR-E, AOSJR-N, AOSJR-W, F-LSATL
FDE_070821_US07PMN6_Y-13710_P20071090.xls	v - 5.3.0	SCR
FDE_070821_PM07LKGE0_Y-10856_P20071142.xls	v - 5.3.1	P-PM-, HAW, 20030373, LAG
FDE_070821_US07DOSTUDY_Y-13710_NA.xls	v - 5.3.0	BCLN
FDE_070713_OC07 STREAMS_MP6600_P20070978.xls	v - 5.2.4	LHTNB, LFC329B, ORCLS, CCN325
FDE_070713_OC07 STREAMS EA_MP6600_P20070979.xls	v - 5.2.4	HAT26
FDE_070816_LS07LOCK_Y-18520_P20071182.xls	v - 5.3.0	ORD, SFB, SSR, L-LSLOCK, OR316

Look For: FDE_?????_*

Number of Selected Stations: 6

Number of Selected Blanks: 2

Path to look for FDE Summary Files

FDE Files in H:\lab\srichter\Field Data Entry Files\

Values exceeding fences will be displayed and the Database manager can take immediate action to fix the problem.

QA - Compare Field Reports

FDE Summary Files with Available Field Sheet Scans

Month Process Selections Edit Tools Help View Scanned Field Sheet PDFs Exit

Directory

C:\

- A VB Progs
- FDE Tracking Sheet Tool
- FDE Aspen Tracking Tool Source Code
- Test

c: [ACER]

All Files

Scan Sheet Mode

ON

Auto Folder

ON

FDE Summary Files available for transfer

File Name	Stations in the File
☐ FDE_050621_PM05OCKLAW_40817_P20051333.xls	20020368, DOR, LLHARRIS, HAR
☒ FDE_050721_PM05ASH_Y-13939_P20051558.xls	DMR
☒ FDE_050721_PM05ASH_Y-13939_P20051568.xls	CLH, LMAC
☐ FDE_050802_DE05MIDDLE_Y-16646_DE2005TVAUGMIDDLE...	20010002, 02248000, 27010579
☐ FDE_050802_DE05RICE_Y-16646_DE2005TVAUGRICE.xls	P-DE--, 20020012
☐ FDE_050804_PM05SJOHNS_Y-16646_NA.xls	20030153, LSJ087, LSJ099, 20030115, 20030083, 20030349

Look For: FDE_?????_PM*;FDE_?????_DE*

Number of Selected Stations: 0

Number of Selected Blanks: 0

Path to look for FDE Summary Files

FDE Files in C:\A VB Progs\FDE Tracking Sheet Tool\FDE Aspen Tracking Tool Source Code\Test\

Gr	20020012	0840	7.99	7.94	8.60	452	0.22	0.3	3.3	1.9	16.8	20	1	0	1.5	140	19.00	SS
Gr	20020012	0842	17.99	7.93	8.61	452	0.22	3.2	3.3	1.9	16.8	20	17	0	1.5	140	19.00	SS
Gr	20010002	1025	15.45	7.75	9.28	1191	0.160	0.3	9.3	1.0	20.1	20	1	98	8.7	200	10.40	SS
Gr	20010002	1027	5.42	7.74	9.05	1194	0.160	0.2	9.3	1.0	20.1	20	17	98	8.7	200	10.40	SS
Gr	27010579	1240	13.88	7.52	18.06	422	0.20	0.25	0.5	0.56	24.16	20	2	60	3.1	260	6.50	SS
Gr	27010579	1242	14.07	7.54	20.31	426	0.21	0.4	0.5	0.56	24.16	20	17	60	3.1	260	6.50	SS

Create Upload File for LIMS

FDE_051103_PM06DLAN_Y-1623...

Open Update as .xls SaveAs... Exit

Workgroup Number Login ID Number

WS20060508 L20060193

Legend
FDE Data
LIMS Data

Type	Station/Date/Time	ID #	ID #
GRAB	LSJ070 051103 0750	1	1
P01	LSJ070 051103 0752	8	8
GRAB	WID 051103 0845	2	2
P01	WID 051103 0847	9	9
GRAB	WIN 051103 1000	3	3
P01	WIN 051103 1002	10	10
GRAB	BWC44 051103 1100	4	4
P01	BWC44 051103 1102	11	11
GRAB	BWCCPB 051103 1130	5	5
P01	BWCCPB 051103 1132	12	12
GRAB	20010137 051103 1220	6	6
GRAB	BLSPR 051103 1345	7	7
P01	BLSPR 051103 1347	13	13

Processing file for Lims



Preparing Field Data Files For Uploading

-  Assigning Workgroup & Login ID's
-   Deleting Rows Without Data
-  Saving file for Data Manager

Saving for Lims as:
L20031420.xls

Before the FDE data file can be loaded to LIMS the Lab must associate this data with its Lab data counterpart. This tool takes care of the merger and formatting of the upload files.

Track Completed Sample Events

After initial QA and The Lab uploads the data to LIMS the sample events are recorded in the tracking sheets

	A	B	C	D	E	F	G	H	I	J	K	L
	FY2007	DATE	TIME	STATION ID	NO. BLANKS	NO. SMPLS	SMPL TYPE	SUBPROJECT ID	PROJECT ID	LAB USED	COLLECTED BY	WORKGROUP II
782	L20071393	07/18/2007	1015	CCC			GRAB	NB07ESTUAR	N. Coastal Basins	DISTRICT	DBarber/JTaft/JSaunders	WS20072426
783	L20071393	07/18/2007	1050	STOKESCR			GRAB	NB07ESTUAR	N. Coastal Basins	DISTRICT	DBarber/JTaft/JSaunders	WS20072426
784	L20071393	07/18/2007	1140	SSB			GRAB	NB07ESTUAR	N. Coastal Basins	DISTRICT	DBarber/JTaft/JSaunders	WS20072426
785	DE2007TVJULMIDDLE	07/30/2007	0800	P-DE--	1	4	BLK	DE07MIDDLE	FDEP TV	DEP	JTaft/SSeitz/JSaunders	NA
786	DE2007TVJULMIDDLE	07/30/2007	0810	20020012			GRAB	DE07MIDDLE	FDEP TV	DEP	JTaft/SSeitz/JSaunders	NA
787	DE2007TVJULMIDDLE	07/30/2007	0940	20010002			GRAB	DE07MIDDLE	FDEP TV	DEP	JTaft/SSeitz/JSaunders	NA
788	DE2007TVJULMIDDLE	07/30/2007	1115	02248000			GRAB	DE07MIDDLE	FDEP TV	DEP	JTaft/SSeitz/JSaunders	NA
789	DE2007TVJULMIDDLE	07/30/2007	1145	27010579			GRAB	DE07MIDDLE	FDEP TV	DEP	JTaft/SSeitz/JSaunders	NA
790	DE2007TVJULRICE	07/30/2007	0800	P-DE--	1	3	BLK	DE07RICE	FDEP TV	DEP	DBarber/AHernandez	NA
791	DE2007TVJULRICE	07/30/2007	0805	MTIC			GRAB	DE07RICE	FDEP TV	DEP	DBarber/AHernandez	NA
792	DE2007TVJULRICE	07/30/2007	0900	LSJ918			GRAB	DE07RICE	FDEP TV	DEP	DBarber/AHernandez	NA
793	DE2007TVJULRICE	07/30/2007	1030	OR006			GRAB	DE07RICE	FDEP TV	DEP	DBarber/AHernandez	NA
794	L20071452	07/31/2007	1000	NRI	0	1	GRAB	PM07NRI	Ambient	DISTRICT	DBarber/AHernandez	WS20072444
795	L20071459	08/01/2007	0800	PEL	0	4	GRAB	PM07COAS	Ambient	DISTRICT	SSeitz/JSaunders/AHernandez	WS20072451
796	L20071459	08/01/2007	0925	BUL			GRAB	PM07COAS	Ambient	DISTRICT	SSeitz/JSaunders/AHernandez	WS20072451
797	L20071459	08/01/2007	0955	27010024			GRAB	PM07COAS	Ambient	DISTRICT	SSeitz/JSaunders/AHernandez	WS20072451
798	L20071459	08/01/2007	1045	27010037			GRAB	PM07COAS	Ambient	DISTRICT	SSeitz/JSaunders/AHernandez	WS20072451
799	L20071460	08/01/2007	0805	20030153	0	6	GRAB	PM07SJOHNS	Ambient	DISTRICT	DBarber/JTaft	WS20072451
800	L20071460	08/01/2007	0835	LSJ087			GRAB	PM07SJOHNS	Ambient	DISTRICT	DBarber/JTaft	WS20072451
801	L20071460	08/01/2007	0910	LSJ099			GRAB	PM07SJOHNS	Ambient	DISTRICT	DBarber/JTaft	WS20072451
802	L20071460	08/01/2007	0955	20030115			GRAB	PM07SJOHNS	Ambient	DISTRICT	DBarber/JTaft	WS20072451
803	L20071460	08/01/2007	1030	20030083			GRAB	PM07SJOHNS	Ambient	DISTRICT	DBarber/JTaft	WS20072451
804	L20071460	08/01/2007	1115	20030349			GRAB	PM07SJOHNS	Ambient	DISTRICT	DBarber/JTaft	WS20072451
805	DE2006SJ4SS	08/06/2007	0900	P-DE--	1	4	BLK	DE06SJ4-SS	FDEP STATUS	DEP	SSeitz/AHernan/JTaft/JSaunde	NA
806	DE2006SJ4SS	08/06/2007	0915	SJ4-SS-2015			GRAB	DE06SJ4-SS	FDEP STATUS	DEP	SSeitz/AHernan/JTaft/JSaunde	NA
807	DE2006SJ4SS	08/06/2007	1050	SJ4-SS-2068			GRAB	DE06SJ4-SS	FDEP STATUS	DEP	SSeitz/AHernan/JTaft/JSaunde	NA
808	DE2006SJ4SS	08/06/2007	1320	SJ4-SS-2083			GRAB	DE06SJ4-SS	FDEP STATUS	DEP	SSeitz/AHernan/JTaft/JSaunde	NA

ED Module

St. Johns River Water Management District Intranet - Windows Internet Explorer

http://oias/wtrquality/

St. Johns River Water Management District Intranet

Messages Home Edit Tools Dvr Historical Dvr Compare Log Out Help User:Scott Snyder Messages:53

Select	File Type	Sample ID	Station	Analyte	Sub Project Name	Msg Date	Msg Text
☐	P	L20071460-005	20030083	Chl-c	PM07SJOHNS	2007-08-09	Failed auto historical QA
☐	P	L20071460-005	20030083	Chl-b	PM07SJOHNS	2007-08-09	Failed auto historical QA
☐	P	L20071460-006	20030349	Ratio Chl-a/Pheo	PM07SJOHNS	2007-08-09	Failed auto historical QA
☐	P	L20071460-003	LSJ099	Chl-a	PM07SJOHNS	2007-08-09	Failed auto historical QA
☐	P	L20071459-001	PEL	Ratio Chl-a/Pheo	PM07COAS	2007-08-09	Failed auto historical QA
☐	P	L20071460-003	LSJ099	Chl-a Corr	PM07SJOHNS	2007-08-09	Failed auto historical QA
☐	P	L20071452-001	NRI	Chl-b	PM07NRI	2007-08-09	Failed auto historical QA

SelectAll Select UnselectAll Print Preview Delete Close

Local intranet 100%

The field and water data are joined and loaded to the Working tables for review in the ED Module.

Messages are generated for data failing any auto QA checks.

ED Module Messages

Review of the messages to determine which values need further QA

	A	B	C	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
		Sample ID	Station	Lower Fence	Result Value	Upper Fence	Remark	Dil	MDL	Diff.	Dtl Count	Live Count	Total Samples	% Used in Fence	Exceeded Upper	Exceeded Lower	Sub Project Name	Message Date	
2	F	L20071301-001	20030400	4.428	12.24444137	11.82		1	3	3.47%	77	77	77	100%	3 - 4%	0 - 0%	PM07GAINES	8/15/2007	Failed aut
3	P	L20071321-002	20020321	4	1.3	4	T	1	5	207.69%	93	93	93	100%	18 - 19%	14 - 15%	PM07CHERRY	8/16/2007	Failed aut
4	P	L20071322-002	20030412	4	3	4	T	1	5	33.33%	107	108	118	92%	19 - 18%	18 - 17%	PM07KING	8/16/2007	Failed aut
5	F	L20071322-002	20030412	5.55	8.062105088	7.55	I	1	3	6.35%	117	117	118	99%	3 - 3%	5 - 4%	PM07KING	8/17/2007	Failed aut
6	F	L20071322-002	20030412	10	20	10	I	1	10	50.00%	25	25	26	96%	6 - 24%	3 - 12%	PM07KING	8/17/2007	Failed aut
7	F	L20071322-003	20030412	4.38	1.14	11.9		1		284.21%	201	201	202	100%	12 - 12%	12 - 12%	PM07KING	8/17/2007	Failed aut
8	P	L20071327-001	27010875		1.049		T	10	5		2	3	17	18%			PM07TITUSV	8/14/2007	Insufficient
9	P	L20071327-001	27010875	-1.627	-20.62	10.621	T	10	50	92.11%	13	13	67	19%	2 - 15%	1 - 8%	PM07TITUSV	8/14/2007	Failed aut
10	P	L20071332-004	GF33	-20.38525	107.9	71.42875		1	1	33.80%	16	16	16	100%	8 - 0%	0 - 0%	PM07LKWOOD	8/14/2007	Failed aut
11	F	L20071332-007	GF33	2.5375	2.43	13.1975		1		4.42%	195	197	197	100%	0 - 0%	0 - 0%	PM07LKWOOD	8/17/2007	Failed aut
12	P	L20071334-004	20010137	-6.01825	118.2	29.56775		1	5	74.98%	42	42	73	58%	4 - 10%	0 - 0%	PM07DLAN	8/14/2007	Failed aut
13	P	L20071334-004	20010137	39.19	1356	339.686		1	10	74.95%	73	73	73	100%	5 - 7%	1 - 1%	PM07DLAN	8/14/2007	Failed aut
14	F	L20071334-004	20010137	-0.1	0.8	0.7	L	1		12.50%	25	25	25	100%	0 - 0%	0 - 0%	PM07DLAN	8/15/2007	Failed aut
15	P	L20071334-005	BLSPR	-0.26565	0.278	0.26555	T	1	0.5	4.48%	15	16	17	94%	0 - 0%	1 - 6%	PM07DLAN	8/14/2007	Failed aut
16	F	L20071334-005	BLSPR	461.25	190	2355.25		1		142.76%	99	99	99	100%	0 - 0%	2 - 2%	PM07DLAN	8/15/2007	Failed aut
17	F	L20071334-008	BLSPR	461.25	190	2355.25		1		142.76%	99	99	99	100%	0 - 0%	0 - 0%	PM07DLAN	8/15/2007	Failed aut
18	F	L20071334-008	BLSPR	0.2	1.2	1		1		16.67%	99	99	99	100%	22 - 22%	0 - 0%	PM07DLAN	8/15/2007	Failed aut
19	F	L20071355-001	ASH	-0.1991825	-0.2422	0.2482375	T	1	0.5	17.76%	16	17	17	100%	1 - 6%	1 - 6%	PM07ASH	8/21/2007	Failed aut
20	F	L20071355-003	CLH	-9.8705	32.16	32.0655		1	1	0.29%	36	36	36	100%	4 - 11%	0 - 0%	PM07ASH	8/21/2007	Failed aut
21	P	L20071452-001	NRI	-1.3581775	-1.784099496	1.1829065	T	1	1	23.87%	46	47	95	49%	11 - 23%	0 - 0%	PM07NRI	8/9/2007	Failed aut
22	P	L20071452-001	NRI	-6.699000118	31.97324744	12.01940007		1	1	62.41%	82	83	95	87%	18 - 12%	0 - 0%	PM07NRI	8/9/2007	Failed aut
23	P	L20071452-001	NRI	-13.24513852	38.42099832	24.65610686		1	1	35.83%	80	81	95	85%	10 - 11%	0 - 0%	PM07NRI	8/9/2007	Failed aut
24	P	L20071452-001	NRI	-1178.932972	4063.532371	2077.641383		10	30	48.87%	94	95	95	100%	10 - 11%	0 - 0%	PM07NRI	8/20/2007	Failed aut
25	P	L20071459-001	PEL	0	-2.499997672	3		1		100.00%	94	127	127	100%	0 - 0%	0 - 0%	PM07COAS	8/9/2007	Failed aut
26	P	L20071459-003	27010024	0.008160143	0.1006	0.059199763		1	0.012	41.15%	9	9	9	100%	1 - 11%	1 - 11%	PM07COAS	8/10/2007	Failed aut
27	P	L20071459-004	27010037	0.02915	0.0805	0.07355		1	0.012	8.63%	9	9	9	100%	2 - 22%	1 - 11%	PM07COAS	8/10/2007	Failed aut
28	P	L20071460-001	20030153	-710.8965	2998.515451	1398.3715		10	30	53.36%	71	71	71	100%	0 - 6%	1 - 1%	PM07SJOHNS	8/17/2007	Failed aut
29	P	L20071460-001	20030153	0.017169784	0.345429629	0.14089813		1	0.01	59.21%	71	71	71	100%	0 - 6%	1 - 1%	PM07SJOHNS	8/17/2007	Failed aut
30	P	L20071460-003	LSJ099	-2.593907	15.72405016	5.530101		1	1	64.83%	54	57	85	67%	4 - 6%	0 - 0%	PM07SJOHNS	8/9/2007	Failed aut
31	P	L20071460-003	LSJ099	-2.225	11.92599963	3.735		1	1	68.68%	61	64	85	75%	4 - 6%	0 - 0%	PM07SJOHNS	8/9/2007	Failed aut
32	P	L20071460-003	LSJ099	-0.325	6.2	3.395		1	0.5	45.24%	85	85	85	100%	9 - 11%	0 - 0%	PM07SJOHNS	8/10/2007	Failed aut
33	P	L20071460-005	20030083	-5.268417911	25.69651793	12.28105075		1	1	52.21%	65	66	74	89%	5 - 11%	0 - 0%	PM07SJOHNS	8/9/2007	Failed aut
34	P	L20071460-005	20030083	-3.119031511	-4.654802475	4.659665786	T	1	1	32.99%	45	46	74	62%	5 - 11%	0 - 0%	PM07SJOHNS	8/9/2007	Failed aut
35	P	L20071460-006	20030349	0	5	3		1		40.00%	44	77	78	99%					

- 1) Fence values
- 2) Remark Codes
- 3) Dilution Factor
- 4) Minimum Detection Limit
- 5) Percentage difference from fence
- 6) How many values used in fencing
- 7) How many values have exceeded fence values

ED Module Messages

Print Report Export Sample Data Close

Sample ID: L20071334-004
Station Name: 20010137

Lab Remark Codes

Analyte Name	Units	Lower Fence	Measure Value	Upper Fence	MDL	Dilution	Lab Remark	Lab Comment
Chl-a_Corr	mg/m3	-6.4043	2954995003	15.021	1	1		
Pheophytin_Corr	mg/m3	-4.5376	2771505035	12.0919	1	1	I	
Ratio_Chla-Pheo	ratio	0	5639809891	3		1		
TOC	mg/L	3.485	11.08	17.725	1	1		
TP-T	mg/L	0.0285	0.11307463	0.2405	0.01	1		
PO4-D	mg/L	-0.1024	0.0557	0.2901	0.012	1		
TKN-T	mg/L	0.3642	1.852694809	1.2889	0.05	1		
NH4-D	mg/L	0.0168	0.0302	0.0876	0.01	1	I	
NOx-D	mg/L	-0.2007	0.2113	0.7339	0.01	1		
Ag-T	ug/L	-0.3505	0.2075	0.2509	0.5	1	T	
Al-T	ug/L	-77.4385	72.74	396.5975	25	1	I	
As-T	ug/L	-1.3235	2.064	4.9381	3	1	T	
Ba-T	ug/L	7.88	16.4	21.68	2	1		
Ca-T	mg/L	11.335	29.42	39.775	0.5	1		
Cd-T	ug/L	-0.2146	-0.0719	0.2687	0.5	1	T	
Cr-T	ug/L	-1.3562	0.1887	3.0793	2	1	T	
Cu-T	ug/L	-0.8595	2.559	4.2325	3	1	T	
Fe-T	ug/L	39.19	1356	339.686	10	1		
K-T	mg/L	1.1575	2.758	5.5375	1	1	I	
Mg-T	mg/L	0.8125	3.39	6.6325	0.5	1		
Mn-T	ug/L	2.4675	14.26	25.0875	1	1		
Na-T	mg/L	0.586	10.67	27.29	1	1		
Ni-T	ug/L	-2.3241	0.4633	4.6081	2	1	T	
Pb-T	ug/L	-1.9872	0.0003	2.594	2	1	T	
Se-T	ug/L	-4.0072	-0.6021	2.6548	5	1	T	
Zn-T	ug/L	-6.0182	118.2	29.5677	5	1		

Value 1 QC1 Value 2 Collect Device

16.577	I	0.2	Bottle Sampler (pt.)
16.223	I	0.05	Bottle Sampler (pt.)
50.65		0.2	Bottle Sampler (pt.)
9.922	T	0.05	Bottle Sampler (pt.)
5.455	T	0.5	Bottle Sampler (pt.)
9.512	T	0.2	Bottle Sampler (pt.)
5.81	T	0.5	Bottle Sampler (pt.)
14.87	I	0.3	Bottle Sampler (pt.)
7.71	T	0.2	Bottle Sampler (pt.)
7.241	I	0.15	Bottle Sampler (pt.)
4.342	T	0.4	Bottle Sampler (pt.)
8.736	I	0.5	Bottle Sampler (pt.)
5.704	I	0.2	Bottle Sampler (pt.)
3.093	T	0.2	Bottle Sampler (pt.)
6.213	I	0.2	Bottle Sampler (pt.)
8.713	I	0.1	Sample Container
118.2		0.4	Bottle Sampler (pt.)

Depth Collection - m

All analytes can be looked at to check dilution factors, comments and other analyte results.

ED Module Data Validation Request

River Water Management District Intranet - Windows Internet Explorer

http://oias/wtrquality/

St. Johns River Water Management District Intranet

View DVR Home Edit Tools Dvr Historical Dvr Compare Log Out Help User:Scott Snyder Messages:53

Login ID: L20071334 Go Project Name: PM Surface WQ Monitoring Subproject Name: PM07DLAN

Sample ID	Parameter Name	STORET ID	Common Problems	Initiate Date	Date of Lab Rerun	Requested By	Date Resolved
Problem Description			Resolution Description				
☐ L20071334-004	Fe-T	1045	Value Not In Historical Range	08/22/2007		Scott Snyder	
☐ L20071334-004	Zn-T	1092	Value Not In Historical Range	08/22/2007		Scott Snyder	

Print AddComments Close

Done Local intranet 100%

Values determined to need to be re-run are flagged in the DVR window of the ED Module and sent to the Lab.

ED Module

St. Johns River Water Management District Intranet - Windows Internet Explorer

http://oias/wtrquality/

St. Johns River Water Management District Intranet

Analyte List Home Edit Tools Dvr Historical Dvr Compare Log Out Help User:Scott Snyder Messages:53

Station Name Sample ID Subproject Name Lab Status

20010137 L20071334-004 PM07DLAN F

Fence Station current Go Method Water Body Class Go

Field/Lab Observations

Comments Fences

Select	QA Status	Analyte	STORET	Lower Fence	Value	Upper Fence	Remark Code	Units	Dilution	MDL	PQL	Confidence	PM Analyte Comments
☒	f	Fe-T	1045	39.190	1360	339.686		ug/L	1.0	10	40		
☐	p	K-T	937	1.158	2.8	5.537	I	mg/L	1.0	1.0	4.0		
☐	p	Mg-T	927	0.813	3.39	6.633		mg/L	1.0	0.50	2.00		
☐	p	Mn-T	1055	2.467	14.3	25.087		ug/L	1.0	1.0	4.0		
☐	p	Na-T	929	0.586	10.7	27.290		mg/L	1.0	1.0	4.0		
☐	p	Ni-T	1067	-2.324	.5	4.608	T	ug/L	1.0	2.0	8.0		
☐	p	Pb-T	1051	-1.987	0	2.594	T	ug/L	1.0	2.0	8.0		
☐	p	Se-T	1147	-4.007	-6	2.655	T	ug/L	1.0	5.0	20.0		
☒	f	Zn-T	1092	-6.018	118	29.568		ug/L	1.0	5	20		

DVR Details Pass Fail SelectAll Unselect Select Save Close

Done Local intranet 100%

Values can be marked as pass or fail and/or a Confidence Percent and Comment can be added

Final Login Notification

St. Johns River Water Management District Intranet - Windows Internet Explorer

http://oias/wtrquality/

St. Johns River Water Management District Intranet

Login Approval Home Edit Tools Dvr Historical Dvr Compare Log Out Help User:Scott Snyder Messages:53

Select the Login IDs for Approval:

Select	Login ID
☐	L20071355
☐	L20071338
☒	L20071334
☐	L20071332
☐	L20071327
☐	L20071322
☐	L20071301
☐	L20071272

FINAL L

LIMS Login ID

L20071322

L20071332

L20071327

If QA is complete Final Logins can be approved and the data will be sent to the Historical tables.

Approve Select Select All Unselect All Close

Done Local intranet 100%



Special Thanks to our Team!