

Project Title: Imperial Kehl
Location Code: IMPRGR51
Location Coordinates: N26.343744, W-81.777744
Location Description: Leitner Creek @ Goodwin; downstream side
Sample Collection Time: 9:55
Lab ID# AE84066

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE84066
@NP	1	1L	PE	N/A	AE84066
@NPFIL	1	250mL	PE	N/A	AE84066
@H2SO4	1	250mL	PE	No	AE84066
@HNO3	1	250mL	PE	No*	AE84066
@TOC	1	40mL	CG	Yes***	AE84066
@BACT	1	100mL	PP	Yes**	AE84066

Sample Collectors: Liza Rollins & Sierra Strickland

Date: 4/21/2021

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

3	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	25.11	3000	36.80	3.01	7.14	0.100	9.77	0.5	1.0
Qualifiers						U			

SAMP = Regular Sample

PP = Polypropylene

FB = Field Blank

PE = Polyethylene

FCEB = Field Cleaned

CG = Clear Glass

Equipment Blank

G = Grab

SWF = Surface Water Fresh

GV = Grab Van Dorn

Flow Calculation (if Applicable):

Flow (ft³/s):

11 Flow MDL

11 Flow Qualifier:

U

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger/Sonde #

J

Calibrated: 4/19/2021 (see Field Equipment Calibration Log)

Sampler Pole Name: (if applicable)

Velocity Meter #

1B

Distance Measuring Tool ID#

491

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R9CA01881

Exp Date:

6/9/2050

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

☒ DFTOSTWS taken from middle of bridge

☒ Samples submerged in ice within 15min.

☒ Samples preserved with Sulfuric Acid acidified in field within 15min.

☒ Filtered sample filtered on site

☒ Equipment & Bottles cleaned according to DEP
FC1000 and LCEL Field Sampling Quality Manual

☒ Velocity not detectable and/or is lower than MDL

☒ Acidified samples pH verified in field (quarterly)

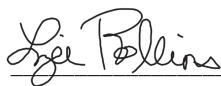
Quarterly Months: January, April, July, October

☐ @NP bottle used to fill all other bottles.

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3119020	5/21/2022
HNO ₃ *	1119120	1/7/2022
Na ₂ S ₂ O ₃	200118	12/31/2049
TOC H ₂ SO ₄	25122000	3/17/2022

MISC:

Signature of Sample Collector(s):



Project Title: Imperial Kehl
Location Code: IMPRGR41
Location Coordinates: N26.338919, W-81.786250
Location Description: Oak Creek @ Pennsylvania; downstream side

Sample Collection Time: 10:19
Lab ID# AE84067

Sample Collectors: Liza Rollins & Sierra Strickland

Date: 4/21/2021

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE84067
@NP	1	1L	PE	N/A	AE84067
@NPFIL	1	250mL	PE	N/A	AE84067
@H2SO4	1	250mL	PE	No	AE84067
@HNO3	1	250mL	PE	No*	AE84067
@TOC	1	40mL	CG	Yes***	AE84067
@BACT	2	100mL	PP	Yes**	AE84067

4	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	25.49	5735	34.90	2.81	7.31	0.100	10.83	0.5	1.4
Qualifiers						U			

SAMP = Regular Sample PP = Polypropylene
FB = Field Blank PE = Polyethylene
FCEB = Field Cleaned CG = Clear Glass
Equipment Blank G = Grab
SWF = Surface Water Fresh GV = Grab Van Dorn

Flow Calculation (if Applicable):

Flow (ft³/s):

14 Flow MDL:

14 Flow Qualifier:

U

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWE

Equipment Used

YSI Data Logger/Sonde #

J

Calibrated: 4/19/2021 (see Field Equipment Calibration Log)

Sampler Pole Name: (if applicable)

Velocity Meter # 1B

Distance Measuring Tool ID# 491

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R9CA01881 Exp Date: 6/9/2050

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

☒ DFTOSTWS taken from middle of bridge

☒ Samples submerged in ice within 15min.

☒ Samples preserved with Sulfuric Acid acidified in field within 15min.

☒ Filtered sample filtered on site

☒ Equipment & Bottles cleaned according to DEP
FC1000 and LCEL Field Sampling Quality Manual

☒ Velocity not detectable and/or is lower than MDL

☒ Acidified samples pH verified in field (quarterly)

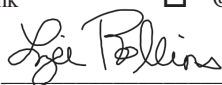
Quarterly Months: January, April, July, October

☐ @NP bottle used to fill all other bottles.

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3119020	5/21/2022
HNO ₃ *	1119120	1/7/2022
Na ₂ S ₂ O ₃	200118	12/31/2049
TOC H ₂ SO ₄	25122000	3/17/2022

MISC:

Signature of Sample Collector(s):



Project Title: Imperial Kehl
Location Code: IMPRGR30
Location Coordinates: N26.338792, W-81.804903
Location Description: Imperial River upstream of US 41 @ boat ramp

Sample Collection Time: 10:43
Lab ID# AE84068

Sample Collectors: Liza Rollins & Sierra Strickland

Date: 4/21/2021

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE84068
@NP	1	1L	PE	N/A	AE84068
@NPFIL	1	250mL	PE	N/A	AE84068
@H2SO4	1	250mL	PE	No	AE84068
@HNO3	1	250mL	PE	No*	AE84068
@TOC	1	40mL	CG	Yes***	AE84068
@BACT	1	100mL	PP	Yes**	AE84068

5	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	26.86	20872	34.50	2.57	7.33	0.100	2.13	0.5	1.5
Qualifiers						U			

SAMP = Regular Sample PP = Polypropylene
FB = Field Blank PE = Polyethylene
FCEB = Field Cleaned CG = Clear Glass
Equipment Blank G = Grab
SWF = Surface Water Fresh GV = Grab Van Dorn

Flow Calculation (if Applicable):

Flow (ft³/s):

63 Flow MDL:

63 Flow Qualifier:

U

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWE

Equipment Used

YSI Data Logger/Sonde #

J

Calibrated: 4/19/2021 (see Field Equipment Calibration Log)

Sampler Pole Name: (if applicable)

Velocity Meter #

1B

Distance Measuring Tool ID#

491

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R9CA01881

Exp Date:

6/9/2050

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

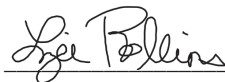
Containers of Analyte Free Water for Rinsing and Blank

- ☒ DFTOSTWS taken from end of eastern dock
- ☒ Samples submerged in ice within 15min.
- ☒ Samples preserved with Sulfuric Acid acidified in field within 15min.
- ☒ Filtered sample filtered on site
- ☒ Equipment & Bottles cleaned according to DEP FC1000 and LCEL Field Sampling Quality Manual
- ☒ Velocity not detectable and/or is lower than MDL
- ☒ Acidified samples pH verified in field (quarterly)
Quarterly Months: January, April, July, October
- ☐ @NP bottle used to fill all other bottles.

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3119020	5/21/2022
HNO ₃ *	1119120	1/7/2022
Na ₂ S ₂ O ₃	200118	12/31/2049
TOC H ₂ SO ₄	25122000	3/17/2022

MISC: flocculant on surface

Signature of Sample Collector(s):



Project Title: Estero/Mullock

Location Code: 47A-15GR

Location Coordinates: N26.434991, W-81.810624

Location Description: Estero River Outfitters' Dock off US41

Sample Collection Time: 9:20

Lab ID# AE84109

Sample Collectors: Garrett Kusienski & Bret O'Brien

Date: 4/21/2021

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

4	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	24.91	7362	30.20	2.45	7.03	0.100	1.12	0.30	0.60
Qualifiers						U			

SAMP = Regular Sample
FB = Field Blank
FCEB = Field Cleaned
Equipment Blank
SWF = Surface Water Fresh
PP = Polypropylene
PE = Polyethylene
CG = Clear Glass
G = Grab
GV = Grab Van Dorn

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE84109
@NP	1	1L	PE	N/A	AE84109
@NPFIL	1	250mL	PE	N/A	AE84109
@H2SO4	1	250mL	PE	No	AE84109
@HNO3	1	250mL	PE	No*	AE84109
@TOC	1	40mL	CG	Yes***	AE84109
@BACT	2	100mL	PP	Yes**	AE84109

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWE

Equipment Used

YSI Data Logger and/or Sonde ID# G

Calibrated: 4/19/2021 (see Field Equipment Calibration Log)

Sampler Pole Name: (if applicable)

Velocity Meter ID# 3A

Distance Measuring Tool ID# Red

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R9CA01881 Exp Date: 6/9/2050

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

Signature of Sample Collector(s):

Garrett Kusienski

Bret O'Brien

- ☒ DFTOSTWS taken from top of dock
- ☒ Samples submerged in ice within 15min.
- ☒ Samples preserved with Sulfuric Acid acidified in field
- ☒ Filtered sample filtered on site
- ☒ Equipment & Bottles cleaned according to DEP
- ☒ FC1000 and LCEL Field Sampling Quality Manual
- ☒ Velocity not detectable and/or is lower than MDL
- ☒ Acidified samples pH verified in field (quarterly)
- Quarterly Months: January, April, July, October
- ☐ @NP bottle used to fill all other bottles.

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3119020	5/21/2022
HNO ₃ *	1119120	1/7/2022
Na ₂ S ₂ O ₃	200118	12/31/2049
TOC H ₂ SO ₄	25122000	3/17/2022

MISC:

Project Title: Estero/Mullock

Location Code: 47A-4GR

Location Coordinates: N26.435017, W-81.810450

Location Description: Private boat ramp for Estero River off Broadway Rd

Sample Collection Time: 9:39

Lab ID# AE84110

Sample Collectors: Garrett Kusienski & Bret O'Brien

Date: 4/21/2021

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

5	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)	SAMP = Regular Sample FB = Field Blank FCEB = Field Cleaned Equipment Blank SWF = Surface Water Fresh	PP = Polypropylene PE = Polyethylene CG = Clear Glass G = Grab GV = Grab Van Dorn
Field Parameters	25.80	21401	23.20	1.76	7.10	0.100	2.36	0.40	0.80		
Qualifiers						U					

Flow Calculation (if Applicable):

Flow (ft³/s):

34 Flow MDL:

34 Flow Qualifier:

U

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWE

Equipment Used

YSI Data Logger and/or Sonde ID# G

Calibrated: 4/19/2021 (see Field Equipment Calibration Log)

Sampler Pole Name: (if applicable)

Velocity Meter ID# 3A

Distance Measuring Tool ID# Red

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R9CA01881 Exp Date: 6/9/2050

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

☒ DFTOSTWS taken from end of dock (not lower step)

☒ Samples submerged in ice within 15min.

☒ Samples preserved with Sulfuric Acid acidified in field with

☒ Filtered sample filtered on site

☒ Equipment & Bottles cleaned according to DEP

FC1000 and LCEL Field Sampling Quality Manual

☒ Velocity not detectable and/or is lower than MDL

☒ Acidified samples pH verified in field (quarterly)

Quarterly Months: January, April, July, October

☐ @NP bottle used to fill all other bottles.

Signature of Sample Collector(s):



BtOB

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE84110
@NP	1	1L	PE	N/A	AE84110
@NPFIL	1	250mL	PE	N/A	AE84110
@H2SO4	1	250mL	PE	No	AE84110
@HNO3	1	250mL	PE	No*	AE84110
@TOC	1	40mL	CG	Yes***	AE84110
@BACT	1	100mL	PP	Yes**	AE84110

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3119020	5/21/2022
HNO ₃ *	1119120	1/7/2022
Na ₂ S ₂ O ₃	200118	12/31/2049
TOC H ₂ SO ₄	25122000	3/17/2022

MISC: