Project Title: Imperial Kehl
Location Code: IMPRGR51
Location Coordinates: N26.343744, W-81.777744
Location Description: Leitner Creek @ Goodwin; downstream side
Sample Collection Time: 9:21
Lab ID# AE91140

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE91140
@NP	1	1L	PE	N/A	AE91140
@NPFIL	1	250mL	PE	N/A	AE91140
@H2SO4	1	250mL	PE	No	AE91140
@HNO3	1	250mL	PE	No*	AE91140
@TOC	1	40mL	CG	Yes***	AE91140
@BACT	1	100mL	PP	Yes**	AE91140

Sample Collectors: Liza Rollins & Garrett Kusienski
Date: 6/29/2021

*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	26.29	3666	16.80	1.34	7.17	0.100	9.61	0.5	0.9
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

Flow Calculation (if Applicable): Flow (ft^3/s): 11 Flow MDL 11 Flow Qualifier: U

Collection Method: G Sample Type: SAMP Sample Matrix: SWF

Preservatives	Lot #	Exp. Date
H_2SO_4	3119020	5/21/2022
HNO_3*	1119120	1/7/2022
$Na_2S_2O_3$	200411	12/31/2049
TOC H_2SO_4	250521000	5/19/2025

Equipment Used

YSI Data Logger/Sonde # G
Calibrated: 6/29/2021 (see Field Equipment Calibration Log)
Sampler Pole Name: (if applicable)
Velocity Meter # 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 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.

MISC: Sheen on water.

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: 9:42
Lab ID# AE91141

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE91141
@NP	1	1L	PE	N/A	AE91141
@NPFIL	1	250mL	PE	N/A	AE91141
@H2SO4	1	250mL	PE	No	AE91141
@HNO3	1	250mL	PE	No*	AE91141
@TOC	1	40mL	CG	Yes***	AE91141
@BACT	2	100mL	PP	Yes**	AE91141

Sample Collectors: Liza Rollins & Garrett Kusienski
Date: 6/29/2021

*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	27.33	10294	20.30	1.55	7.22	0.100	10.82	0.5	1.5
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

Flow Calculation (if Applicable): Flow (ft^3/s): 14 Flow MDL: 14 Flow Qualifier: U

Preservatives	Lot #	Exp. Date
H_2SO_4	3119020	5/21/2022
HNO_3*	1119120	1/7/2022
$Na_2S_2O_3$	200411	12/31/2049
TOC H_2SO_4	250521000	5/19/2025

Collection Method: G Sample Type: SAMP Sample Matrix: SWE

Equipment Used

YSI Data Logger/Sonde # G
Calibrated: 6/29/2021 (see Field Equipment Calibration Log)
Sampler Pole Name: (if applicable)
Velocity Meter # 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 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.

MISC: Sheen on water at site

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: 10:05
Lab ID# AE91142

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE91142
@NP	1	1L	PE	N/A	AE91142
@NPFIL	1	250mL	PE	N/A	AE91142
@H2SO4	1	250mL	PE	No	AE91142
@HNO3	1	250mL	PE	No*	AE91142
@TOC	1	40mL	CG	Yes***	AE91142
@BACT	1	100mL	PP	Yes**	AE91142

Sample Collectors: Liza Rollins & Garrett Kusienski
Date: 6/29/2021

*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)
Field Parameters	28.22	19766	66.00	4.82	7.41	0.188	2.21	0.5	1.3
Qualifiers						I			

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

Flow Calculation (if Applicable): Flow (ft^3/s): 116 Flow MDL: 62 Flow Qualifier: I

Preservatives	Lot #	Exp. Date
H_2SO_4	3119020	5/21/2022
HNO_3*	1119120	1/7/2022
$Na_2S_2O_3$	200411	12/31/2049
TOC H_2SO_4	250521000	5/19/2025

Collection Method: G Sample Type: SAMP Sample Matrix: SWE

Equipment Used

YSI Data Logger/Sonde # G
Calibrated: 6/29/2021 (see Field Equipment Calibration Log)
Sampler Pole Name: (if applicable)
Velocity Meter # 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 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.

MISC:

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: 9:03
Lab ID# AE91153

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE91153
@NP	1	1L	PE	N/A	AE91153
@NPFIL	1	250mL	PE	N/A	AE91153
@H2SO4	1	250mL	PE	No	AE91153
@HNO3	1	250mL	PE	No*	AE91153
@TOC	1	40mL	CG	Yes***	AE91153
@BACT	2	100mL	PP	Yes**	AE91153

Sample Collectors: Sierra Strickland & Bret O'Brien
Date: 6/29/2021

*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	26.70	14875	19.60	1.50	7.05	0.100	0.75	0.40	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

~~Flow Calculation (if Applicable):~~ ~~Flow (ft^3/s):~~ _____ ~~Flow MDL:~~ _____ ~~Flow Qualifier:~~ _____

Preservatives	Lot #	Exp. Date
H_2SO_4	3119020	5/21/2022
HNO_3*	1119120	1/7/2022
$Na_2S_2O_3$	200411	12/31/2049
TOC H_2SO_4	250521000	5/19/2025

Collection Method: G Sample Type: SAMP Sample Matrix: SWE

Equipment Used

YSI Data Logger and/or Sonde ID# K

Calibrated: 6/29/2021 (see Field Equipment Calibration Log)

Sampler Pole Name: (if applicable)

Velocity Meter ID# 2C

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

- [x] DFTOSTWS taken from top of dock
- [x] Samples submerged in ice within 15min.
- [x] Samples preserved with Sulfuric Acid acidified in field
- [x] Filtered sample filtered on site
- [x] Equipment & Bottles cleaned according to DEP FC1000 and LCEL Field Sampling Quality Manual
- [x] 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.

MISC: Sheen on surface.

Signature of Sample Collector(s): Sierra L Strickland

BtOB

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: 9:27
Lab ID# AE91154

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE91154
@NP	1	1L	PE	N/A	AE91154
@NPFIL	1	250mL	PE	N/A	AE91154
@H2SO4	1	250mL	PE	No	AE91154
@HNO3	1	250mL	PE	No*	AE91154
@TOC	1	40mL	CG	Yes***	AE91154
@BACT	1	100mL	PP	Yes**	AE91154

Sample Collectors: Sierra Strickland & Bret O'Brien
Date: 6/29/2021

*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)
Field Parameters	27.74	32683	42.50	2.99	7.28	0.150	2.27	0.40	0.80
Qualifiers						I			

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

Flow Calculation (if Applicable): Flow (ft^3/s): 52 Flow MDL: 34 Flow Qualifier: I

Collection Method: G Sample Type: SAMP Sample Matrix: SWE

Equipment Used

YSI Data Logger and/or Sonde ID# K

Calibrated: 6/29/2021 (see Field Equipment Calibration Log)

Sampler Pole Name: (if applicable)

Velocity Meter ID# 2C

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

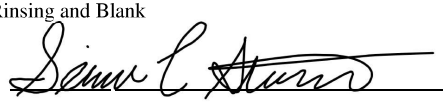
Containers of Analyte Free Water for Rinsing and Blank

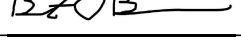
- [x] DFTOSTWS taken from end of dock (not lower step)
- [x] Samples submerged in ice within 15min.
- [x] Samples preserved with Sulfuric Acid acidified in field wit
- [x] Filtered sample filtered on site
- [x] Equipment & Bottles cleaned according to DEP FC1000 and LCEL Field Sampling Quality Manual
- [ ] 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_2SO_4	3119020	5/21/2022
HNO_3*	1119120	1/7/2022
$Na_2S_2O_3$	200411	12/31/2049
TOC H_2SO_4	250521000	5/19/2025

MISC: Sheen on surface.

Signature of Sample Collector(s):





Project Title: 10 Mile Canal
Location Code:10MIGR10
Location Coordinates: N26.481002, W-81.854534
Location Description: 10 Mile Canal @ Park Rd; dead end in Island Park
Sample Collection Time: 9:13
Lab ID# AE89768

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AE89768
@NP	1	1L	PE	N/A	AE89768
@NPFIL	1	250mL	PE	N/A	AE89768
@H2SO4	1	250mL	PE	No	AE89768
@HNO3	1	250mL	PE	No*	AE89768
@TOC	1	40mL	CG	Yes***	AE89768
@BACT	2	100mL	PP	Yes**	AE89768

Sample Collectors: Garrett Kusienski & Bret O'Brien
Date: 6/15/2021

*Nitric Acid added upon return to Lab
**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific
***Pre-Preserved with Sulfuric Aci

6	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	29.70	33080	49.30	3.34	7.38	0.321	10.77	0.50	1.50
Qualifiers						I			

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

Flow Calculation (if Applicable): Flow (ft^3/s): 118 Flow MDL: 37 Flow Qualifier: I
Collection Method: G Sample Type: SAMP Sample Matrix: SWE

Preservatives	Lot #	Exp. Date
H_2SO_4	3119020	5/21/2022
HNO_3*	1119120	1/7/2022
$Na_2S_2O_3$	200504	12/31/2049
TOC H_2SO_4	251220000	3/17/2022

Equipment Used

YSI Data Logger and/or Sonde ID# G
Calibrated: 6/14/2021 (see Field Equipment Calibration Log)
Sampler Pole Name (if applicable): Grabber
Velocity Meter ID# 3B
Distance Measuring Tool ID# Red
0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe
Filter Lot # R7BA53224 Exp Date: 9/19/2023
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

- [x] DFTOSTWS taken from end of top wood platform
- [x] Samples submerged in ice within 15min.
- [x] Samples preserved with Sulfuric Acid acidified in field within 15min.
- [x] Filtered sample filtered on site
- [x] 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
- [x] @NP bottle used to fill all other bottles.

MISC:

Signature of Sample Collector(s): BtOB

Scott K