Teton Stoneflies 2018	
WYNDD-Tronstad 307-766-3115	

Date: 31 July 2018

Time: Arrived:		Depa	rted:		Collectors:	Scott,	Deb, Lydia			
Stream:	NIND (ave	outlet	Loca	ntion Descr	iption:	same as eve	٢		
Coordinates: N_			W				Datum:_		0.0	
Elevation:		ft	Site	name	on GPS:_					
Water quality (Re	ecorded with	a YSI F	Pro Plus Mulitor	obe)						
Parameter		Value		Uni	its	Last cal	ibrated: 30 Jul	DO: d	ay of	
Water temperatur	ė		3.0	l °C					3 .0	
Barometric pressu				Photo		Photos t	taken: Site	Temp Pro	obe	
DO	100			% s	aturation	Weather	r: Sunny, wa	М		
DO	9,9			mg/	'L	Substrat	te type: 6 oulds	rs / (ab	معاط	
Specific conducti	cific conductivity (SPC)			μS/	cm		r of Surbers collec			
Conductivity	89.3		μS/	cm						
pH	0(.)		8.3			Aspect:	\sim		7	
ORP			U.)	mV		Slope:_	steep "			
Air temp	temp			°C Bio		Biofilm	rank: Little Me	edium	Green	
L.										
Pfankuck Index									_	
	Excell		Good		Fa		Poor	Score	_	
Angularity	Lots of eda	ges (1)	Some edges, so round (2)	ome	Rounded	edges (3)	All round (4)	(
Brightness	Most surfa	ces	Mostly dull, <	35%	50/50 dul		Mostly bright,	3		
(Dull = biofilm)	dull (1)		bright (2)		bright (3)		>65% (4)		_	
Scour	<5% evide scour (6)	nce of	5-30% of bed scoured (12)		30-50% o scoured (>50% of bed scoured (24)	6		
Consolidation	Lots of siz	es.	Moderately		Mostly lo		Totally loose,			
of substrate	tightly pac			size	much ove		easily moved (8)	4		
Aquatic Veg	Abundant	veg,	Common veg	or	Spotty, in		Perennial types,	-		
	moss in sw	ift	algae, lots in p	ools	backwate		very scarce or			
·	water (1)		(2)		seasonal	algae (3)	absent (4)			
Temp logger num	ber: 207	24665	Coordinates:	UTM	Is: N		W-			
Description of los	gger location	n: Sav	ne luther poo	.l as	previou.	1, ~ 20	m below where	people	eross 5th	rea h
logger rem	# bown	: 107	67834 ->	Loc	SER W	MS OVII	OFWAICH		1 5	
Suspended Solids				v			Nutrient samples co	ollected:	-1-3 " No	utel
Filter number		Ц			(0		DOC collected:			DOC
Volume filtered	(mL)	600	600		700		Chl a collected:	3		
mig N	n Wi)				103		Algae collected:	•		
ong man .035			16 FF							

Teton Stoneflies 2018

WYNDD-Tronstad 307-766-3115

Date: 31 July 2018

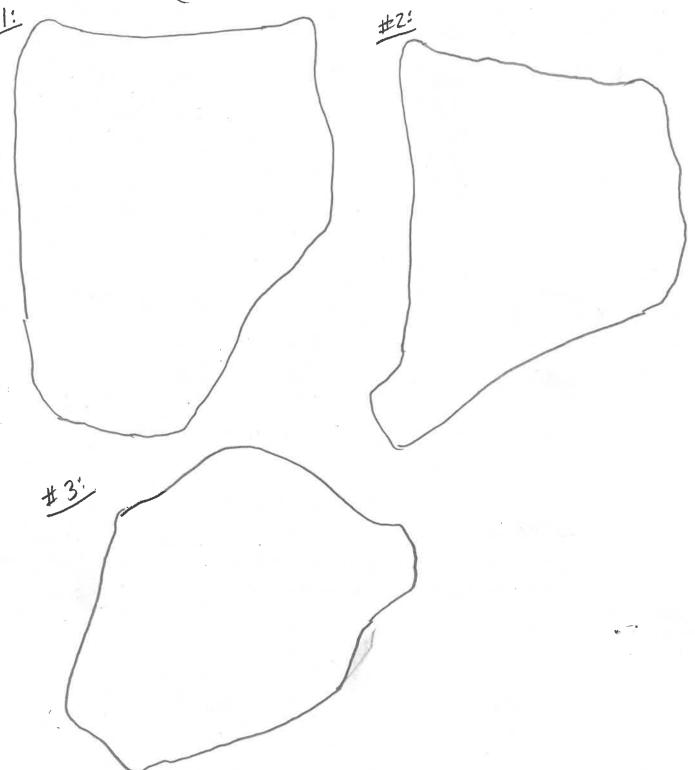
Stream Profile: (ave month)

looking down stream

(right edge)

	(L)							
Distance (cm)	0	50	100	150	200	225		
Depth (cm)	. 0	3	3	4	3	0		

Notes (continue on back): (traces for chia in Taylor's Note book)



	n Stoneflies 2018 NDD-Tronstad 307-766-3115					Date:_	30 July 2	018	
Time: Arrived:	NOON	Depa	arted: ~ 2:00)	Collectors	: Deb	Scott, Lydia	Tayl	N
Stream:	1, FULT	etin C	reek	Loca	ation Desc	ription:	My tern SND	mel t	site
Coordinates: N_	Cs	ame a	» ev v) v	V			Datum:_		
Elevation:	("	ft	Site	name	on GPS:_	8			
Water quality (Re	ecorded with	na YSI F	Pro Plus Mulitor	obe)	,		- X		
Parameter		Value	1	Un	its	Last cal	ibrated day of	DO: (A	lay d
Water temperatur	ater temperature 9.7		9.7.	°C					J 2
Barometric press				mm	ιHg		taken: Site		
DO		1	106	% s	% saturation Weather: Sunny (alm) ~				
DO			8.7	mg	'L	Substrat	te type: Obble	s/50m	e Lues
Specific conducti	ctivity (SPC) 8.3			μS/		Numbe	r of Surbers collec	ted:	3
Conductivity				μS/	cm				
рН			6.9			Aspect:			
ORP			mV		Slope:_				
Air temp		°C		Biofilm	rank: Little Mo	edium (Green		
Pfankuck Index									
	Excell	ent	Good		Fa	air	Poor	Score	
Angularity	Lots of eda	ges (1)	Some edges, s round (2)			edges (3)	All round (4)	2	
Brightness (Dull = biofilm)	Most surfa dull (1)	ces	Mostly dull, < bright (2)	35%	% 50/50 dull & bright (3)		Mostly bright, >65% (4)		
Scour	<5% evide scour (6)	nce of	5-30% of bed scoured (12)		30-50% o scoured (of bed >50% of bed		6	
Consolidation	Lots of siz	es	Moderately		Mostly lo		scoured (24) Totally loose,		
of substrate	tightly pac		packed, some overlap (4)	size	much ove	•	easily moved (8)	2	
Aquatic Veg	Abundant moss in sw water (1)		Common veg of algae, lots in p		Spotty, in backwate seasonal	er or	Perennial types, very scarce or absent (4)	2]
Temp logger nun							W -		
Description of lo	gger location	n: Sa	me as al	ways	d/s 4	bigborl	dere use	nd, ob	sample
Took out ?	学: 2017	14693			(C) K				4405
Suspended Solids	s:						Nutrient samples co	ollected:_	1 2 nuts/000
Filter number		1	2		3		DOC collected:		1_/
Volume filtered	(mL)	700	600)	(600	>	Chl a collected:	3_	
614	an(9)	, 035	5 .03	5	,03	34	Algae collected:	3	

Date: 30 July 2018

Teton Stoneflies 2018	Teton	Stoneflies	2018
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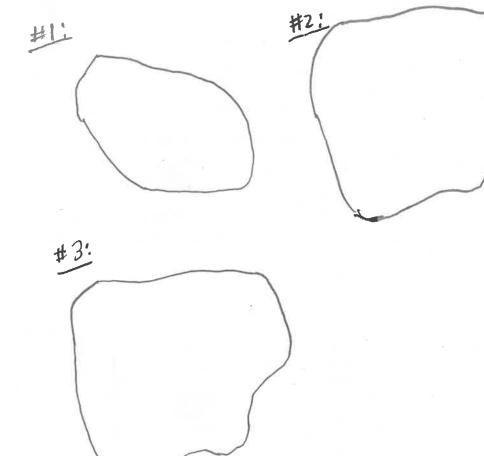
WYNDD-Tronstad 307-766-3115

Date:	

Stream Profile:	(left ed	ge)	Ribank	*looki	ng down str	eam*	(righ	t edge)
Distance (cm)	0	25	50					
Depth (cm)	11	14	13					

Notes (continue on back):

(tracings for chia in Scott's Notebook)



Teton Stoneflies WYNDD-Tronst		3115				Date:_	of Mus of	OLX	
Time: Arrived:	1:00pm	\ Depa	irted: 4:30		Collectors	Lush	a + Lyo	lia	
Stream: De	ta Lak	e I	nlet	Loca	ntion Desci	ription:	some late wh	ore bon	ides enot
Coordinates: N_	43.7	33	30 N	7	110.7	4650	Datum:	NA08	3
Elevation: 20	91	ft	Site	name	on GPS:_	Dett	a Lake		
Water quality (Re	ecorded with	a YSI I Value	Pro Plus Mulitpr	obe) Uni	its	I ast cal	ibrated: 7/18	DO: 3/	12
Water temperatur	re	7 44744	01	°C		Dust var	iorated.	20	
Barometric press		5	50.9	mm	ıHg		aken: Site	_	
DO (79 % saturation Weather: Sunny, with rain last night									n Ust night
DO 7,7 mg/L Substrate type: Cobble									
Specific conducti	ivity (SPC)		7.5	μS/	cm	Numbe	r of Surbers colle	cted:	3
Conductivity			4.3	μS/	cm	Aspect:			
pH			7,42			Tibpeed			
ORP		3	360.3	mV		Slope:_		_	9
Air temp		n	75°F	×C		Biofilm	rank: Little M	edium	Green
Pfankuck Index									
	Excell	ent	Good			air	Poor	Score	
Angularity	Lots of edg	ges (1)	Some edges, some round (2)			edges (3)	All round (4)	2	
Brightness (Dull = biofilm)	Most surfa dull (1)	ces	Mostly dull, < bright (2)	35%	50/50 dul bright (3)		Mostly bright, >65% (4)	14	
Scour	<5% evide	nce of	5-30% of bed		30-50% c		>50% of bed	1	1
	scour (6)		scoured (12)		scoured (scoured (24)	6	moss an
Consolidation of substrate	Lots of siz		Moderately packed, some overlap (4)	size	Mostly lo		Totally loose, easily moved (8)	5	many rocks
Aquatic Veg	Abundant	veg,	Common veg		Spotty, ir		Perennial types,	A	moss on
75	moss in sw water (1)	rift	algae, lots in p	ools	backwate seasonal		very scarce or absent (4)	4	edges of stream
Temp logger nun	nber: 100	1725	OCoordinates:	UTM	Is: N 42	733	30 w-110	77650	`
Description of lo	gger location	1: 1	1900 who	ne	dream	change	o from 1	sarber	field (steep
Suspended Solids		المال	vec.				Nutrient samples of	collected:_	
Filter number	100	i n		^	- 11 4	# 2	DOC collected:		
Volume filtered	(mI)	Ha#1	Delta	d	Delta*				
Mass Ca		×60,	nL 8×60. 7 0.0344		8×6	12/1	Chl a collected:		/
0							Algae collected:		
> (and no	ear g	we lacin	s 2nd	105	too	aref). Pick up	2 10	oggus

Date: 7 A 18

Stream Profile:

(left edge)

looking down stream

(right edge)

Distance (cm)	50	100	150	190	230	270	310	350	375
Depth (cm)	13	10	16	16	23	22	14	10	14

Ly taken below pool where datalogger was placed

Notes (continue on back):



Stream seems higher this year. Some logs in middle of others appear to be sphiced there by high water. Whater cloudy with glacier flour. Just year was a high snowpack year, but not as high as the year before. Only sow midges in Surber samples. Found I Neumania m ~ 30 minutes of searching

Teton Stoneflies 2018 WYNDD-Tronstad 307-766-3115									
Time: Arrived: _^	12:31) Depa	rted: ~3:00	_	Collectors:	Deb, S	cott, Taylor		
							lang-term si		
Coordinates: N_			W				Datum:_		
Elevation:		ft	Site 1	name	on GPS;_	MTG	(deb)		4.
Water quality (Re	corded w	ith a YSI P	ro Plus Mulitpro	obe)					
Parameter		Value	4	Uni	its	Last cali	brated: today	DO: ADS	lay
Water temperatur	е		3,5	l °C			9		
Barometric pressu				mmHg			aken: Site		
DO	102			% s	aturation		partyclo		
DO	9.5			mg/	L	Substrat	e type: Cobb W	2,005	2
Specific conducti	cific conductivity (SPC) 3.7				cm .	Number	r of Surbers collec	ted: 3	
Conductivity							South	2	
pН			7.4.		*				
ORP	•		19	mV		Slope:_	Steep		
Air temp °C Biofilm rank: Little Medium Green								reen	
Pfankuck Index									
T Idilkuck Hidex	Exc	ellent	Good		· Fa	nir	Poor	Score	\ \
Angularity		edges (1)	Some edges, so round (2)	ome	Rounded		All round (4)	2	
Brightness	Most su	rfaces	Mostly dull, <	35%			Mostly bright,	4.	
(Dull = biofilm)	dull (1)		bright (2)		bright (3)		>65% (4)	1.	
Scour	<5% evi	idence of	5-30% of bed scoured (12)		30-50% of bed scoured (18)		>50% of bed scoured (24)	24	
Consolidation	Lots of		Moderately		Mostly loose, not		Totally loose,		•
of substrate		acked (2)	packed, some soverlap (4)	size	much ove	erlap (6)	easily moved (8)	6	
Aquatic Veg	Abunda		Common veg		Spotty, in		Perennial types,	2	.7
	moss in water (1		algae, lots in po	ools	backwate seasonal		very scarce or absent (4)	3	
(Scott Temp logger num	has)	097 2588		UTM	'		W		
Description of log		tion: SA	ne as bast	- y	enes, l	zehinl a	by boulder		
# d h	4921 N	emoved	: 201559	67	_				1
Suspended Solids	~ •						Nutrient samples co	ollected:	1 soc/
Filter number		7	8		9		DOC collected:	<u> </u>	_ núts
Volume filtered (mL) 450 400 500 Chl a collected: $N=3$ (onice to Right Quay) (g) Algae collected: $N=3$ Right Quay) in the							(onice too) Right away		
		(15)	035		,035	5	Algae collected:	N=3	Kynt
· ou	J MUID	.03	7,000		, - 3	-			IN the
	Lg)	A1					<u>.</u>		
*	"Lednia" Contor"								

Date: 2 Ang 208

Stream Profile:

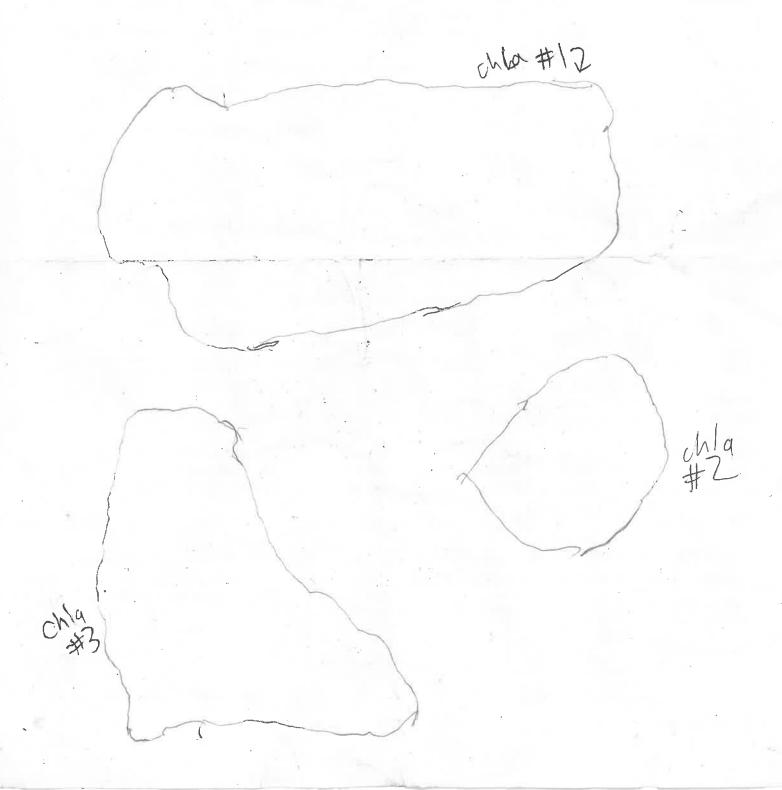
(left edge)

looking down stream

(right edge) J

Distance (cm)	Ø	100	200	300	400	500	600	700	180
Depth (cm)	Ø	Ч	2	10	5	15	7	7	5

Notes (continue on back):



Coordinates: N	90,7	96	<i>† †</i> v	V	110.0	040	Datum:	MHO8	3
Elevation: 29	156		m Site	nam	e on GPS:_	Grizz			
Water quality (R	ecorded with			robe)			·81-	3	10
Parameter		Value			uits	Last ca	librated: 8/3	DO: 0	13
Water temperatu	re	4	1.8	°C			taken: Site \(
Barometric press	sure	5	34.3						1
DO		l	09	9 % saturation			er: Overcast,	WIN	
DO		. (7.8	mg	;/L	Substra	ite type dage gr	asel, sa	ne small
Specific conduct	ivity (SPC)	1	3,6	μS	/cm		er of Surbers collec		3 Godie
Conductivity pH			8.4	μS	/cm				
pH ORP			97	-		Aspect:		_	
ORP		2	62.0	mV	7	Slope:_			
Air temp		10	60 °F	%C	- •	Biofilm	rank: Little Me	edium (Green
Pfankuck Index			8,2		.,		21		
	Excelle		Good		Fa		Poor	Score]
Angularity	Lots of edg	es (1) Some edges, so round (2)		ome	ne Rounded edges (3)		All round (4)	1	
Brightness (Dull = biofilm)	Most surface dull (1)	es	Mostly dull, < bright (2)	35% 50/50 dull & bright (3)		Mostly bright, >65% (4)	4		
Scour	<5% evider scour (6)	ice of	5-30% of bed scoured (12)	5-30% of bed 30-50% of		f bed	>50% of bed scoured (24)	6	
Consolidation of substrate	Lots of size tightly pack		Moderately packed, some soverlap (4)	size	Mostly loose, 1		Totally loose, easily moved (8)	4	
Aquatic Veg	Abundant veg, Common veg moss in swift algae, lots in p		Common veg of algae, lots in po		Spotty, in backwater seasonal a	r or	Perennial types, very scarce or absent (4)	3	in middle of stream
Temp logger num	ber: 201	2469	2 Coordinates:	UTM	ls: N_43	7977		8072	
Description of log	gger location:	7.015	whateen	, 1	ot far	before	stream of	rops u	levation \
Suspended Solids			3007				Nutrient samples co	ollected: \	
Filter number	0	2 1	607 6	2	Grizz		DOC collected:	v	
Volume filtered (mL)					CONC		Chl a collected:	V	_
Filter muss	7 5 ~	3442	0.03444		0.03	1/1/2	Algae collected:	V	
10	- AI	٠							_

Collectors: T

Location Description: Belan

Teton Stoneflies 2018

WYNDD-Tronstad 307-766-3115

Time: Arrived: 6', 10pm Departed: 45

Teton Stoneflies 2018

WYNDD-Tronstad 307-766-3115

Date:	

Stream Profile:

(left edge)

looking down stream

(right edge)

Distance (cm)	0	25	50	75	100	125	150	175	200
Depth (cm)	3	2	2.5	4	6	9	5	2	4

Notes (continue on back):

· Chl. a #1:

Chl. a #2:





Lots & blackflies!

							A .		
	Teton Stoneflies 2018 WYNDD-Tronstad 307-766-3115 Date: 4 Aug 2018								
Time: Arrived: _	0:15	Depa	arted:	_	Collectors	at.	+ SH		
								er junction to Holly La	la
Coordinates: N	43.7	853			10.79			WA083	
Elevation: 28	02	ft	Site	name	on GPS:_	Paintk	onish RG	Glacier	
Water quality (Recorded with a YSI Pro Plus Mulitprobe) Parameter Value Units Last calibrated: 8/3 DO: 8/4									
Parameter		Value		Un	its	Last cal	ibrated: 0/3	DO: 0/9	
Water temperatu	re	6.		°C				Temp Probe 207	
Barometric press	ure	541			ъHg			^	
DO:	149			saturation		0/10	ilm, clear sky		
DO	13.3			mg		Substra	ate type: Coloble		
	ecific conductivity (SPC)		t.le	μS/cm		Number of Surbers collected:			
Conductivity	1 1.4 1		μS/cm Aspect:		-				
pH 7.54						1		-	
ORP	112.7		mV Slope:			_			
Air temp $\lambda 70^{\circ}$			HO °F	×	Biofilm rank: Little Medium Green			dium) Green	
Pfankuck Index	š								
	Excelle	ent	Good		Fa	ir	Poor	Score	
Angularity	Lots of edg		Some edges, so round (2)	me	Rounded		All round (4)	1	
Brightness	Most surfac	es	Mostly dull, <3	5%	50/50 dul	1 &	Mostly bright,		
(Dull = biofilm)	dull (1)		bright (2)	.0,0	bright (3)		>65% (4)	3	
Scour	<5% evide	nce of	5-30% of bed		30-50% o	fhed	>50% of bed		
	scour (6)		scoured (12)		scoured (1	18)	scoured (24)	12	
Consolidation	Lots of size	s,	Moderately		Mostly lo	ose, not	Totally loose,		
of substrate	tightly pacl	ted (2)	packed, some s overlap (4)	ize	much ove	rlap (6)	easily moved (8)	4	
Aquatic Veg	Abundant v	reg.	Common veg o	r	Spotty, in		Perennial types,		
•	moss in sw		algae, lots in po		backwater		very scarce or	12	
	water (1)		(2)		seasonal a		absent (4)		
	Water (1)				boubonar a	inguo (5)	dosciii (1)		
Temp logger num	iber: <u>2015</u> 8	5864	_ Coordinates: 1	UTM	s: N <u>43.</u>	78539	1 w-110.7	9337	
Description of log	gger location	Sam	L as 201.	7	MA	100	a grassy area	Α	
0013	1011	1000	2017/10/21	1			V	/	
2011 LOS	ar interior	10 -1	QUI+4695	1			Nutrient samples co	llected: V	
Suspended Solids	i.		,				-F	7	
Filter number	Pain	十姓一	Part #2		Part #	3	DOC collected:		

Volume filtered (mL) 0.03438

Chl a collected:

Algae collected:

4040000 4040004

Teton Stoneflies 2018

WYNDD-Tronstad 307-766-3115

Date:

Stream Profile:

(left edge)

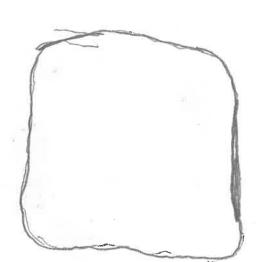
looking	down	stream
TOOMINE	CO WII	Duvain

(right	edge)
--------	-------

Distance (cm)	0	50	100	150	200	235	304	
Depth (cm)	4.5	3	3	3	4	4		

Notes (continue on back):

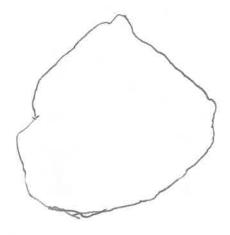
Chl. a #1:



Chlia #2:



Chl. a #3:



Faund both 2017 + 2016 loggers! Scott could not find my dednin after 15 30 minutes of looking. Water proceedy from multiple Sources, rock glacier, snownell + other glacier inputs above.

Coordinates: N	orded with a	ft YSI Pr Value	Site no Plus Mulitpro	Location	on GPS:	iption:	Datum:brated:8\3	DO: MOW		
Coordinates: N	orded with a	ft YSI Pr Value	Site no Plus Mulitpro	Locar - aame be) Unit	on GPS:	iption:	Datum:brated:8\3	DO: MOW		
Elevation: Water quality (Reco Parameter Water temperature Barometric pressure DO	orded with a	ft YSI Pr Value 12. 53	Site no Plus Mulitpro	ame be) Unit	on GPS:	Last cali	brated: 8 3	DO: MOW		
Water quality (Reco Parameter Water temperature Barometric pressure DO	orded with a	ft YSI Pr Value 12. 53	Site no Plus Mulitpro	ame be) Unit	on GPS:	Last cali	brated: 8 3	DO: MOW		
Parameter Water temperature Barometric pressure DO	e	12. 53	3.6	Unit °C						
Water temperature Barometric pressure DO DO	e	12. 53	31.6	°C						
Barometric pressure DO DO	e	53	31.6					•		
DO DO	11	10		mm		Photos ta	aken: SiteT	emp Probe		
DO .	··· (cpc)				_					
	(SDC)		/ -	% sa	aturation	Weather	: Sunny, 6n	cety cool		
1	(CDC)	- 7	,5	mg/	L		e type:			
Specific conductivi	ecific conductivity (SPC)		5054.5	P54.5 μS/c		Number	r of Surbers collected:			
Conductivity			11.5	μS/c	5/CIII					
рН		7		(4)						
ORP	400			mV		Slope:	/			
Air temp				°C		Biofilm	rank: Little Me	dium Green		
Pfankuck Index										
	Excellen	t	Good		F	ir	Poor	Score		
Angularity 1	Lots of edges	` '	Some edges, so round (2)			edges (3)	All round (4)	2.		
0	Most surface dull (1)		Mostly dull, <3 bright (2)	35%	50/50 dul bright (3)		Mostly bright, >65% (4)	3		
	<5% evidenc scour (6)		5-30% of bed scoured (12)		30-50% o scoured (>50% of bed scoured (24)	6		
	Lots of sizes,		Moderately		Mostly lo		Totally loose,	4		
	tightly packe		packed, some soverlap (4)	ize	much ove		easily moved (8)	4		
1	Abundant ve moss in swift water (1)		Common veg of algae, lots in per (2)		Spotty, in backwate seasonal	er or	Perennial types, very scarce or absent (4)	3		
Temp logger numb		3-1-0					**7			
Temp logger numb	per: auto	3 7 00 0			IS: N		w	11. 1		
Description of logg			little slu	J.	600	just o	15 ob nia	Sitting place		
old log	ger#13	201	741.95	75	is bus		Nutrient samples co			
Suspended Solids:			-4	9: 1	,		TAUTHER Samples Co	//		
Filter number	1	Q	17		19	3	DOC collected:	ollected:		
Volume filtered (1	T	00	500		500	1	Chl a collected: _/	1=3		
arga	vasss . c	34	:034		, 0	34	Algae collected:	(Armalin)		

Date: 4 Aug 2018

Date: 4 Aug 2018

 Stream Profile:
 (left edge)
 looking down stream
 (right edge)

 Distance (cm)
 Ø
 5D
 100
 120
 140

 Depth (cm)
 Y
 V
 Y
 9
 3

Notes (continue on back): chla#1 chlq#Z

Teton Stoneflies WYNDD-Tronsta		3115				Date:	4 Aug 201	8_	
Time: Arrived:	13:30	Depa	rted: 15'00		Collectors	Deb	Taylor	*	,3000
Stream: 5	ascade	104	Seep	Loca	tion Desc	ription: $\stackrel{ ilde{\sim}}{}$	20 m of open	surfu	ce flow
Stream: 5 ()	.w				Datum:	nd (501	S) Sample Ste
			Site	name	on GPS:_	SO	s scscre	s (deb))
Water quality (Re	corded with	n a YSI P	ro Plus Mulitpro		2		010	- 01	> -
Parameter		Value		Uni	ts	Last cal	ibrated: <u>813</u>	DO: 21	3
Water temperatur	е	0	4	°C		Photos t	aken: Site	Temp Prob	oe e
Barometric pressu	ıre	52	4.1	mm	Hg				
DO		9	8%	% s	aturation	Weather	r: Sunny /	winay	37
DO		0	7.9	mg/	L	Substrat	te type: (abble	۵	No.
Specific conducti	vity (SPC)	8	37	µS/	cm	Numbe	r of Surbers colle	cted: 3	-Note
Conductivity			14.5	μS/	cm				Posted
pН	-	8.65							Whit!-
ORP	RP na			mV		Slope:_			Palc blc
Air temp	-			°C		Biofilm	rank:(Little) M	[edium (Green low
DC 1 1 T 1					15 1				baas
Pfankuck Index	Excel	lent	Good	14	F	air	Poor	Score	
Angularity	Lots of ed		Some edges, so round (2)	ome	Rounded	edges (3)	All round (4)	1	m. A.
Brightness	Most surf	aces	Mostly dull, <	35%	50/50 du bright (3		Mostly bright, >65% (4)	- 4	
(Dull = biofilm) Scour	dull (1) <5% evid	ence of	bright (2) 5-30% of bed		30-50%		>50% of bed	10	
Scoul	scour (6)		scoured (12)		scoured	(18)	scoured (24)	0	
Consolidation of substrate	Lots of size	cked (2)	Moderately packed, some overlap (4)	size-	Mostly l	oose, not erlap (6)	Totally loose, easily moved (8)	4	
Aquatic Veg	Abundant moss in sv	wift	Common veg	ools	Spotty, i	er or	Perennial types, very scarce or absent (4)	14	just out FransNow
Temp logger nun Description of lo	mber: 0	0174 we ment	697 Coordinates:	UTM	1s: N_ (j	n bould	or of Right-a	ng lear	F. Just u/s a
		& Tay	larpounting.	fus	nvano	s and	Nutrient samples	collected:	1 7 000
Suspended Solid Filter number	s:	17	1	_	15	- 6			,) has
		13	14	J.	13	- 4	DOC collected: _	1,1 =	
Volume filtered	(mL)	400	390	30	40	0	Chl a collected:_	N	>
ary	nam !	035	.03	4	,0	35	Algae collected:_	N=3	formalin)

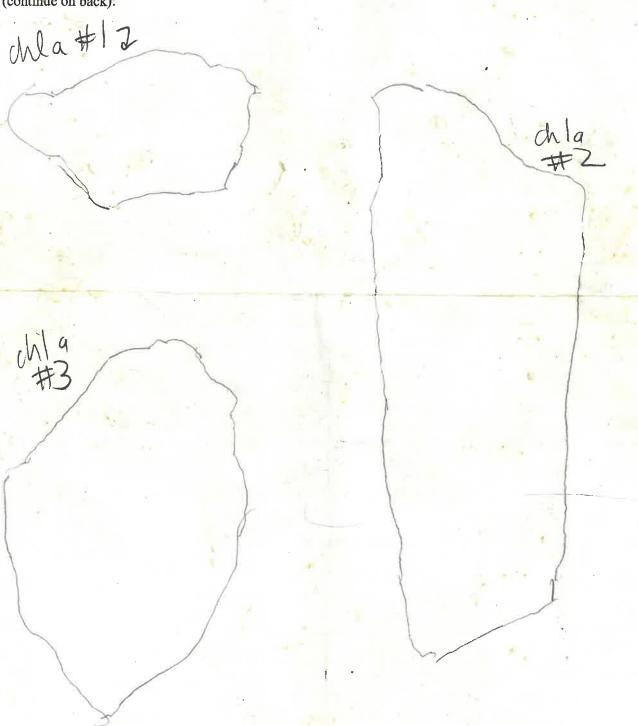
Date: 4 Ang 118

 Stream Profile:
 (left edge)
 looking down stream
 (right edge)

 Distance (cm)
 Ø
 50
 80
 100
 150

 Depth (cm)
 Ø
 10
 Q
 3

Notes (continue on back):



Teton Stoneflies WYNDD-Tronsta	2018 ad 307-766-	3115	(Note: Did	al	Riol 15	Date:_ hyll"on :: Deb	3 Ang 2018 3 Ang. / phys + Taylor The "ang wel"	ships o	n SAng)
Stream: AK	Busin	5. 14	Seep	Loca	tion Desc	ription:	Le "ongivel"	15	
Coordinates: N_			w						
Elevation:		ft	Site	name	on GPS:_				
Water quality (Re	ecorded with		o Plus Mulitpro			i		DO 1	A 1 0
Parameter Water temperatur	re.	Value		Uni °C	its	Last cal	ibrated: This AM	DO: 1 N:4	NAI
Barometric press		\$.		mm	На	Photos taken: Site Temp Probe			
DO DO	uro,).2		aturation	Weathe	" windy, P	aply de	ndy
<u> </u>		1	90	-		, v catho	10.1003)		001
DO		9.	9	7	L	Substrat	te type: borldor	cobble	graver
Specific conducti	vity (SPC)	21	0	μS/	· ,	Numbe	r of Surbers collec	ted:3_	
Conductivity		11	6	μS/	cm		1		
pH		79	(į.	Aspect:	1.9	-	
ORP			0	mV					
Air temp		NIS	0	°C	12 9	Biofilm	rank: Little Me	edium G	reen
	· ·					ide.			
Pfankuck Index	Excell	ent	Good	-	F	air	Poor	Score	
Angularity :	Lots of edg	ges (1) S	Some edges, so cound (2)	ome		edges (3)	All round (4)	1	,
Brightness	Most surfa	ces I	Mostly dull, <	35%			Mostly bright,	2	
(Dull = biofilm) Scour	dull (1) <5% evide		oright (2) 5-30% of bed		bright (3 30-50%	of bed	>65% (4) >50% of bed	1	
20011	scour (6)		scoured (12)		scoured	(18)	scoured (24)	Ce	
Consolidation of substrate	Lots of size	ked (2) 1	Moderately packed, some s overlap (4)	size	Mostly le		Totally loose, easily moved (8)	4	TOS
Aquatic Veg	Abundant		Common veg o	or	Spotty, i	n 🗼	Perennial types,	1	
•	moss in sw	rift a	algae, lots in po		backwate	er or	very scarce or	2	
OFFEC M SAMP	water (1)		aced @ n	100		algae (3)	absent (4)		
Temp logger nun		5863	Coordinates:			~ 0 - c.ac)	W		
Description of lo	gger location	n: San	~ ~ ~ ~ 015596	3 m	diso	us broken	sence of smy	ace flow	J
				_ (Nutrient samples co	ollected:	- 11=
Suspended Solids Filter number	S	10	11		12		DOC collected:	/	310-
Volume filtered	(mL)	200	700)	701)	Chl a collected:	N=3	
dy max	. ()	,035	, 03	5	٥.	35	Algae collected:	1=3	

Teton	Stoneflies	201	8		
WYNI	DD-Tronsta	ad 3	07-7	66-31	115

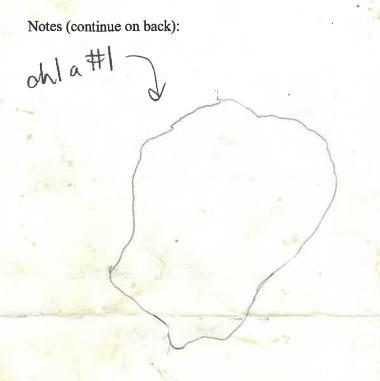
Date:			
			 _

(left edge)

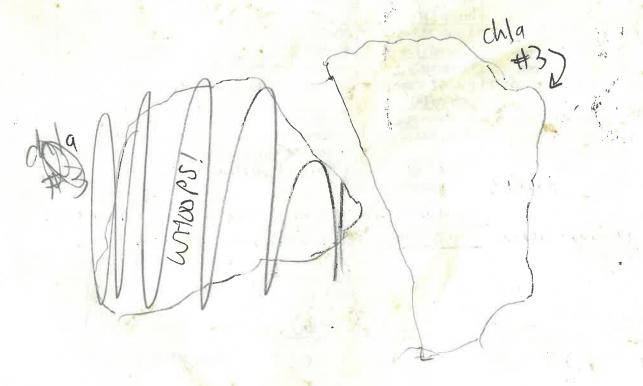
looking down stream

(right edge)

Distance (cm)	Ø	50	100	150	180	4	
Depth (cm)	3	5	7	. 5	4		







Teton Stoneflies 2 WYNDD-Tronstac	018 1 307-766-3	115	-	6			e the de			
Time: Arrived: \\	:00 sm	Depart	ed:				H, Taylor Po	in Cou	pa cupa	
Stream: Skill	2.1	relet					elas Spaier	40 in 50		
Coordinates: N_2 Elevation: 27		754			on GPS:		Datum: 1	1408	<u>3</u>	
Water quality (Re								81		
	corded with	Value	O I lus iviumpi	Unit	S	Last calil	brated: 9/5]	DO: 16		
Parameter Water temperature	3	-7	/-	°C					1	
Barometric pressu	Water temperature		5	mmHg			Photos taken: Site Temp Probe			
DO		553	1				ner: Sunny, clear, light brood			
DO		11.	11.2		mg/L Substrate		e type: Gode, Vanders			
Specific conducti	vity (SPC)	4.5		μS/cm Number		r of Surbers collected: 3				
Conductivity		3,1		μS/cm Aspect:						
pH		6.87								
ORP		11.8.4		mV Slope:_		CON Mall on Comm				
Air temp		1	130		°C Biofilm		rank: Little Me	edium C	reen	
Pfankuck Index	74							G.		
T Tarrix don't	Excel	lent	Good			air	Poor	Score		
Angularity	Lots of ed	ges (1)	Some edges, s round (2)	ome	Rounded edges (3)		All round (4)	2		
Brightness	Most surfa	aces	Mostly dull, <	35%	50/50 dull & bright (3)		Mostly bright, >65% (4)	3		
(Dull = biofilm) Scour	dull (1) <5% evide	ence of	bright (2) 5-30% of bed	of bed 30-		of bed	>50% of bed	24		
	scour (6)		scoured (12)		scoured (18)		scoured (24)	017	1.14	
Consolidation of substrate	Lots of sizes, tightly packed (2)		Moderately packed, some size overlap (4)		Mostly loose, not much overlap (6)		Totally loose, easily moved (8)	2	Pril	
Aquatic Veg	Abundant veg, moss in swift water (1)		Common veg or algae, lots in pools (2)		Spotty, in backwater or seasonal algae (3)		Perennial types, very scarce or absent (4)	3		
Temp logger nur		11649	Coordinates	: UTM	1s: N <u>43</u>	83950	W - 110.	7566	19	
Description of lo			1 1	3	Site				·	
Logge	rothevel	1: 201	559680				Nutrient samples of	ollected	/	
Suspended Solid	ls:				1	/		1/		
Filter number	C	11. 1	9/11	17	9/1	nt3	DOC collected:	*		

0.03401

Chl a collected:

Algae collected:

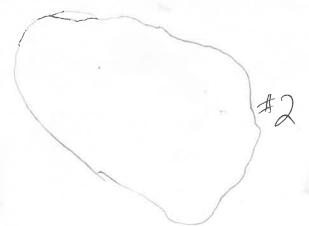
Volume filtered (mL) (000 Filter Muss G) 0203380

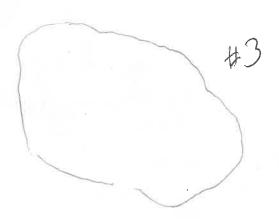
Date:		

Stream Profile:	(left edge)	*lookin	(right edge)			
Distance (cm)			e .			
Depth (cm)						

Notes (continue on back):







Moved lossen +
Site apstream from
last gen. Took 21 hour
to collect 20 dednia
Substate tighth packed
so difficult to collect
Subsers, dets for
Fat Rhyacophila in
Stream.