LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse O Forest O Meadow/Pasture O Large Lot Mix O Residential/Urban	Local Watershed NPS Pollution in Tier 1 Buffer O No evidence O Some potential sources O Obvious sources (list)  Local Watershed Erosion O None O Moderate O Heavy (photo)
RIPARIAN VEGETATION (100-ft buffer)	Indicate the dominant type and record the domin O rees O Shrubs dominant vegetation type present	O Herbaceous
INSTREAM FEATURES	Estimated Reach Length  Estimated Stream Width  Sampling Reach Area  Estimated Stream Depth Surface Velocity (at mid-channel)	Canopy Cover O Partly open O Partly shaded O Shaded High Water Mark F ft  Proportion of Reach Represented by Stream Morphology Types O Riffle 25 % O Run 35 % O Pool 20 % Channelized O Yes
VERY LARGE WOODY DEBRIS	LWDft² Estimated Density of LWD	WD/ reach area)
ROOTED OR FLOATING AQUATIC VEGETATION	Indicate the dominant type and record the domin O Rooted emergent O Rooted submergent  Dominant species present or photo  Portion of the reach with aquatic vegetation(exclusive present)	of Free floating
WATER QUALITY	Temperature 10.7 °C Specific Conductance 315 us/m Dissolved Oxygen 8.6 mg/l pH 7.44 su  WQ Instrument Used YSI Multiprobe	Water Odors O Normal/None O Petroleum O Fishy O Other  Water Surface Oils (Visual) O Slick O Sheen O Globs O Flecks O None O Other  Turbidity (visual) O Clear O Slightly Murky O Other
SEDIMENT/ Periphyton Coverage	Pebble Count O No Stimate Embeddedness (%) Periphyton on Recks O <5% O 5-15% O 15-25% O Profuse >25%	Deposits on Substrate O Sludge O Organic O Trash O Silt/clay O Odors (list) Looking at stones which are not deeply embedded, are the undersides black in color? O Yes O No

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)			SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)		
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock	And the	5%	Detritus sticks, wood, coarse plant materials (CPOM)		
Boulder	> 256 mm (10")	20		materials (CPOM)	3-1
Cobble	64-256 mm (2.5"-10")	30	Muck-Mud	black, very fine organic (FPOM)	25
Gravel	2-64 mm (0.1"-2.5")	20		(FPOM)	05
Sand	0.06-2mm (gritty)	15	Other	Define:	
Silt/Clay	0.004-0.06 mm	5			- 57
	Tota	1907			

	LP	Bear Creek Watershed, Colorado			
BCWA SITE # /	5 A	Colorado Stre	eam Segment Cla	assification:	
LAT LOI	NG	South Platt	e River Basin	ALTERNATIVE PERSONAL PROPERTY OF THE PERSON	
Web Site: www.bearcreel	Site: www.bearcreekwatershed.org Bear Creek Watershed Association				
INVESTIGATORS:					
COMPLETED BY; Bear Cr Association Board	eek Watershed	DATE 9-2	245 AM) PM	Baseline Habitat Survey for BCWA Sampling Locations; Reference Conditions	
WEATHER CONDITIONS	O rain (ste		^	Has there been a heavy rain in the last 7 days?  O Yes  O No  Air Temperature 65°C  Other	
SITE LOCATION/MAP	Draw a map of the si	e and indicate	the areas sampl	led (attach a photograph)	
			Pool Pool	2 Paris	
		es)	00	)	

LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse O Forest O Meadow/Pasture O Large Lot Mix O Other (list) O Residential/Urban	Local Watershed NPS Pollution in Tier 1 Buffer O No evidence O Some potential sources O Obvious sources (list)  Local Watershed Erosion O None O Moderate O Heavy (photo)		
RIPARIAN VEGETATION (100-ft buffer)	dominant vegetation type present	O Grasses O Herbaceous		
INSTREAM FEATURES	Estimated Reach Length  Estimated Stream Width 25 ft  Sampling Reach Area 50 ft²  Estimated Stream Depth 5urface Velocity (at mid-channel) 75/8	Canopy Cover O Partly open O Partly shaded O Shaded High Water Mark		
VERY LARGE WOODY DEBRIS	LWD 2 ft² Estimated Density of LWD	.WD/ reach area)		
ROOTED OR FLOATING AQUATIC VEGETATION	Indicate the dominant type and record the domin O Rooted emergent O Rooted submergent  Dominant species present or photo  Portion of the reach with aquatic vegetation(exc	O Free floating		
WATER QUALITY	Temperature / 0.5 _ ° C  Specific Conductance _ 2/5 _ us/m  Dissolved Oxygen / 0.35 _ mg/l_ pH _ 7.8 / _ su  WQ Instrument Used _ YSI Multiprobe	Water Odors O Normal/None O Petroleum O Fishy O Other  Water Surface Oils (Visual) O Slick O Sheen O Globs O Flecks O None O Other  Turbidity (visual) O Clear O Slightly Murky O Other		
SEDIMENT/ Periphyton Coverage	Pebble Count O Yes O No Estimate Embeddedness (%)  Periphyton on Rocks O <5% O 5-15% O 15-25% O Profuse >25%	Deposits on Substrate O Sludge O Organic O Trash O Silt/clay O Odors (list) Looking at stones which are not deeply embedded, are the undersides black in color? O Yes O No		

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)			SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)		
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock	the Attended	2%	Detritus	sticks, wood, coarse plant materials (CPOM)	the state of
Boulder	> 256 mm (10")	1070		materials (CPOM)	
Cobble	64-256 mm (2.5"-10")	20%	Muck-Mud	black, very fine organic (FPOM)	0
Gravel	2-64 mm (0.1"-2.5")	60%		(FPOM)	
Sand	0.06-2mm (gritty)	7	Other	Define:	
Silt/Clay	0.004-0.06 mm	1 1			
	Total		8		

STREAM NAME:	Morrison	Bear Creek Watershed, Colorado					
BCWA SITE #	14A	Colorado Stream Segment Classification:					
LAT LO	LAT LONG			South Platte River Basin			
Web Site: www.bearcree	ekwatershed.org	Bear Creek	Watershed Ass	ociation	7 57 6		
INVESTIGATORS:	KNC Mite	Tone			333-44-7-14-A		
COMPLETED BY; Bear C Association Board	reek Watershed	DATE TIME 9-2	2-15 AN PM	Baseline Habita Locations; Refe	at Survey for BCWA Sa erence Conditions	mpling	
WEATHER CONDITIONS	O rain (stea	(intermittent) cover	0	Has there been a O Yes O No Air Temperature	heavy rain in the last 7	days?	
		Mark Control	My				
	Stream Subsystem O erennial O Intern Stream Origin O Mainstem O Tributary OWetland or fen	OBear Cree	VIII.	seam Type oldwater O V atershed Area 23	Varm-water Turn 6 sq-miles	spen	

LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse O Forest O Meadow/Pasture O Large Lot Mix O Other (list) O Residential/Urban	Local Watershed NPS Pollution in Tier 1 Buffer O No evidence O Some potential sources O bvious sources (list)  Local Watershed Erosion O None O Moderate O Heavy (photo)
RIPARIAN VEGETATION (100-ft buffer)	Indicate the dominant type and record the domin Orrees Oshrubs O dominant vegetation type present	in the species present of Herbaceous
15 de	Estimated Reach Length  Estimated Stream Width  Sampling Reach Area  Estimated Stream Depth Surface Velocity (at mid-channel)  ft  ft  Cfs  (at mid-channel)	Canopy Cover O Partly open O Partly shaded O Shaded  High Water Mark + 7 ft  Proportion of Reach Represented by Stream Morphology Types O Riffle + 6 % O Run + 6 % O Pool 23 % Channelized O res O No
VERY LARGE WOODY DEBRIS	LWDft² Estimated Density of LWD%/ft² (L	WD/ reach area)
ROOTED OR FLOATING AQUATIC VEGETATION	Indicate the dominant type and record the domin O Rooted emergent O Rooted submergent  Dominant species present or photo  Portion of the reach with aquatic vegetation(excl	O Free floating
WATER QUALITY	Temperature 6 2 °C Specific Conductance 22 us/m Dissolved Oxygen 998 mg/l pH 387 su  WQ Instrument Used YSI Multiprobe	Water Odors O Normal/None O Petroleum O Fishy O Other  Water Surface Oils (Visual) O Slick O Sheen O Globs O Flecks O None O Other  Turbidity (visual) O Clear O Slightly Murky O Other
SEDIMENT/ Periphyton Coverage	Pebble Count O No Estimate Embeddedness (%)  Periphyton on Rocks O S O 5-15% O 15-25% O Profuse >25%	Deposits on Substrate O Sludge O Organic O Trash O Silt/clay O Odors (list) Looking at stones which are not deeply embedded, are the undersides black in color? O Yes O No

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)			SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)		
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock		2	Detritus	sticks, wood, coarse plant materials (CPOM)	1
Boulder	> 256 mm (10")	8		materials (CPOM)	
Cobble	64-256 mm (2.5"-10")	35	Muck-Mud black, very fine organic		1
Gravel	2-64 mm (0.1"-2.5")	35		(FPOM)	
Sand	0.06-2mm (gritty)	75	Other	Define:	la a
Silt/Clay	0.004-0.06 mm	5		red.	franse
174	Total			Dur	- Aller

TREAM NAME:		Bear Creek Watershed, Colorado			
BCWA SITE# 13A		Colorado Stream Segment Classification:			
LATL	ONG	South Platte River Basin			
Web Site: www.bearcre	ekwatershed.org	Bear Creek Watershed Association			
INVESTIGATORS:	and the same				
COMPLETED BY; Bear O Association Board	Creek Watershed	DATE 972-5 AM PM Baseline Habitat Survey for BCWA Sampling Locations; Reference Conditions			
WEATHER CONDITIONS	O rain (ste				
		Pool What North			
STREAM CHARACTERIZATION	Stream Subsystem Of erennial O Inte Stream Origin O Mainstem O Tributary OWetland or fen	ermittent  Stream Type O Goldwater O Warm-water  Watershed Area 236 sq-miles Turkey Creek Drainage			

LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse O Forest O Meadow/Pasture O Large Lot Mix O Residential/Urban	Local Watershed NPS Pollution in Tier 1 Buffer O No evidence O Some potential sources O Obvious sources (list)  Local Watershed Erosion O None O Moderate O Heavy (photo)
RIPARIAN VEGETATION (100-ft buffer)	Indicate the dominant type and record the domin O rees O Shrubs dominant vegetation type present	O Herbaceous
INSTREAM FEATURES	Estimated Reach Length  Estimated Stream Width  Sampling Reach Area  Estimated Stream Depth Surface Velocity	Canopy Cover O Partly open O Bartly shaded O Shaded  High Water Mark
VERY LARGE WOODY DEBRIS	(at mid-channel)  LWDft²  Estimated Density of LWD%/ft² (L	WD/ reach area)
ROOTED OR FLOATING AQUATIC VEGETATION	Indicate the dominant type and record the domin O Rooted emergent O Rooted submergent  Dominant species present or photo  Portion of the reach with aquatic vegetation(excl	O Free floating
WATER QUALITY	Temperature 7 °C Specific Conductance 2 9 us/m Dissolved Oxygen 7.32 mg/l pH 7.85 su  WQ Instrument Used YSI Multiprobe	Water Odors ONormal/None O Petroleum O Chemical O Fishy O Other  Water Surface Oils (Visual) O Slick O Sheen O Globs O Hecks O Clear O Slightly Murky O Murky
SEDIMENT/ Periphyton Coverage	Pebble Count O Yes Estimate Embeddedness (%) 207 Periphyton on Rocks O 5% O 5-15% O 15-25% O Profuse >25%	Deposits on Substrate O Sludge O Organic O Trash O Silt/clay O Odors (list) Looking at stones which are not deeply embedded, are the undersides black in color? O Yes O No

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)		SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)			
Substrate Diameter Type		Diameter % Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock		2	Detritus sticks, wood, coarse plant materials (CPOM)		A A A Section
Boulder	> 256 mm (10")	15		materials (CPOWI)	
Cobble	64-256 mm (2.5"-10")	45	Muck-Mud	black, very fine organic (FPOM)	RI
Gravel	2-64 mm (0.1"-2.5")	25		(FPOM)	0.01
Sand	0.06-2mm (gritty)	1.3	Other	Define:	
Silt/Clay	0.004-0.06 mm	- F			
Total					

STREAM NAME:	air O'Boa	Bear Creek Watershed,	Colorado
BCWA SITE #	2	Colorado Stream Segment Cla	· ·
The second secon	ONG	South Platte River Basin	
Web Site: www.bearcree	kwatershed.org	Bear Creek Watershed Ass	ociation
INVESTIGATORS:	Real I d	S. Francisco	
COMPLETED BY; Bear Cr Association Board	reek Watershed	DATE 9-2245 AM PM	Baseline Habitat Survey for BCWA Sampling Locations, Reference Conditions
WEATHER CONDITIONS	O rain (ste	heavy rain) cady rain) o (intermittent) o l cover	Has there been a heavy rain in the last 7 days?  O Yes  O Yes  O Yes  C  Other
SITE LOCATION/MAP	Draw a map of the su	te and indicate the areas sample with the samp	
STREAM CHARACTERIZATION	Stream Subsystem O Perennial O Inte Stream Origin O Mainstem O Tributary OWetland or fen		Stream Type O Coldwater O Warm-water Watershed Area 236 sq-miles

LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse O Forest O Meadow/Pasture O Large Lot Mix O Residential/Urban	Local Watershed-NPS Pollution in Tier 1 Buffer O No evidence (O Some potential sources O Obvious sources (list)  Local Watershed Erosion O None O Moderate O Heavy (photo)
RIPARIAN VEGETATION (100-ft buffer)	Indicate the dominant type and record the domin O Trees O Shrubs dominant vegetation type present	Offices Offices Offices
INSTREAM FEATURES	Estimated Reach Length  Estimated Stream Width  Sampling Reach Area  Estimated Stream Depth Surface Velocity (at mid-channel)	Canopy Cover O Partly open O Partly shaded O Shaded High Water Mark
VERY LARGE WOODY DEBRIS	LWD 2 ft² Estimated Density of LWD%/ft² (L	.WD/ reach area)
ROOTED OR FLOATING AQUATIC VEGETATION	Indicate the dominant type and record the domin O Rooted emergent O Rooted submergent  Dominant species present or photo  Portion of the reach with aquatic vegetation(excl	O Free floating  Den green
WATER QUALITY	Temperature 12.0 °C Specific Conductance 147 us/m Dissolved Oxygen 12 mg/l pH 793 su  WQ Instrument Used YSI Multiprobe	Water Odors O Normal/None O Petroleum O Fishy O Other  Water Surface Oils (Visual) O Slick (O Sheen O Globs O None O Other Turbidity (visual) O Clear O Slightly Murky O Other
SEDIMENT/ Periphyton Coverage	Pebble Count O Yes Estimate Embeddedness (%) Periphyton on Rocks O 5-15% O 15-25% O Profuse >25%	Deposits on Substrate O Sludge O Organic O Trash O Sitt/clay O Odors (list) Looking at stones which are not deeply embedded, are the undersides black in color? O Yes

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)		SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)			
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock		2	Detritus	sticks, wood, coarse plant	1
Boulder	> 256 mm (10")	20		materials (CPOM)	
Cobble	64-256 mm (2.5"-10")	30	Muck-Mud	black, very fine organic (FPOM)	
Gravel	2-64 mm (0.1"-2.5")	38		(FPOM)	/
Sand	0.06-2mm (gritty)	8	Other	Define:	
Silt/Clay	0.004-0.06 mm	2			
	Total	40, 22			The second of the second

Constructo barro 90 degree

TREAM NAME:	Fallen	Bear Creek Watershed,	Colorado	
BCWA SITE #	9	Colorado Stream Segment Classification:		
LAT LO	NG	South Platte River Basin		
Web Site: www.bearcree	kwatershed.org	Bear Creek Watershed Asse	ociation	
INVESTIGATORS:	KUC			
COMPLETED BY; Bear Co Association Board	reek Watershed	DATE 9-22-15 AM PM	Baseline Habitat Survey for BCWA Sampling Locations; Reference Conditions	
WEATHER CONDITIONS	O rain (ste	heavy rain) eady rain) s (intermittent) hours O o o o o o o o o o o o o o o o o o o	Has there been a heavy rain in the last 7 days? O Yes O No Air Temperature Other	
SITE LOCATION/MAP	Draw a map of the si	Pool Pool Pool Pool Pool	ed (attach a photograph)	
STREAM CHARACTERIZATION	Stream Subsystem O Perennial O Int Stream Origin O Mainstem O Tributary OWetland or fen	ermittent	Stream Type O Coldwater O Warm-water Watershed Area 236 sq-miles	

LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse O Forest O Meadow/Pasture O Large Lot Mix O Residential/Urban	Local Watershed NPS Pollution in Tier 1 Buffer O No evidence (O Some potential sources O Obvious sources (list)  Local Watershed Erosion O None O Moderate O Heavy (photo)
RIPARIAN VEGETATION (100-ft buffer)	Indicate the dominant type and record the domin O rees O Shrubs dominant vegetation type present	nant species present Grasses O Herbaceous
INSTREAM FEATURES	Estimated Reach Length 100 ft  Estimated Stream Width 35 ft  Sampling Reach Area 50 ft  Estimated Stream Depth 50 ft  Surface Velocity (at mid-channel) 5 11.62	Canopy Cover O Partly open O Partly shaded O Shaded  High Water Mark + 5 ft  Proportion of Reach Represented by Stream Morphology Types O Riffle 70 % O Run 25 % O Pool 5 % Channelized O Yes O No
VERY LARGE WOODY DEBRIS	LWDft² Estimated Density of LWD%/ft² (L	.WD/ reach area)
ROOTED OR FLOATING AQUATIC VEGETATION	Indicate the dominant type and record the domin O Rooted emergent O Rooted submergent  Dominant species present or photo  Portion of the reach with aquatic vegetation(excl	O Free floating
WATER QUALITY	Temperature 3.7 °C Specific Conductance 1/7 us/m Dissolved Oxygen 8.6/ mg/l pH 788 su  WQ Instrument Used YSI Multiprobe	Water Odors O Normal/None O Petroleum O Fishy O Chemical O Other  Water Surface Oils (Visual) O Slick O Sheen O Globs O Flecks O None O Other  Purbidity (xisual) O Clear O Slightly Murky O Other
SEDIMENT/ Periphyton Coverage	Pebble Count O Yes Estimate Embeddedness (%)  Periphyton on Rocks O 5% O 5-15% O 15-25% O Profuse >25%	Deposits on Substrate O Sludge O Organic O Trash O Silt/clay O Odors (list) Looking at stones which are not deeply embedded, are the undersides black in color? O Yes O No

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)			SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)		
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock		2	Detritus	sticks, wood, coarse plant materials (CPOM)	4
Boulder	> 256 mm (10")	10		materials (CFOWI)	
Cobble	64-256 mm (2.5"-10")	45	Muck-Mud	black, very fine organic (FPOM)	VR A
Gravel	2-64 mm (0.1"-2.5")	25		(FFOM)	No the
Sand	0.06-2mm (gritty)	6	Other	Define:	
Silt/Clay	0.004-0.06 mm	2		Market Commencer	1.00
	Tota	eyl D	7 5.46		

STREAM NAME:	BCC	Bear Creek Watershed, Colorado		
BCWA SITE #	BB	Colorado Stream Segment Classification:		
LAT LO	ONG	South Platte River Basin		
Web Site: www.bearcree	ekwatershed.org	Bear Creek Watershed Asso	ciation	
INVESTIGATORS:	RNC			
COMPLETED BY; Bear C Association Board	reek Watershed	DATE 9-28-ISAM PM	Baseline Habitat Survey for BCWA Sampling Locations; Reference Conditions	
WEATHER CONDITIONS	O rain (ste	heavy rain) cady rain) o (intermittent) o o o o o o o o o o o o o o o o o o o	Has there been a heavy rain in the last 7 days? O Yes O No Air Temperature C Other	
SITE LOCATION/MAP		te and indicate the areas sample	ed (attach a photograph)	
STREAM CHARACTERIZATION	Stream Subsystem O Perennial O Inte Stream Origin O Mainstem O Tributary OWetland or fen	ermittent	Octream Type O Coldwater O Warm-water Watershed Area 236 sq-miles	

LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse O Forest O Commercial O Meadow/Pasture O Large Lot Mix O Residential/Urban	Local Watershed NPS Pollution in Tier 1 Buffer Q No evidence O Some potential sources O bivious sources (list) Local Watershed Erosion O None O Moderate O Heavy (photo)
RIPARIAN VEGETATION (100-ft buffer)	dominant vegetation type present	nant species present O Grasses O Herbaceous
INSTREAM FEATURES	Estimated Reach Length /00 ft  Estimated Stream Width 30 ft  Sampling Reach Area 50 ft  Estimated Stream Depth ft Surface Velocity (at mid-channel) 82 1.97	Canopy Cover O Partly open O Partly shaded O Shaded High Water Mark Proportion of Reach Represented by Stream Morphology Types O Riffle % O Run % O Pool Channelized O No
VERY LARGE WOODY DEBRIS	LWD 6 ft² Estimated Density of LWD 1 %/ft² (L	.WD/ reach area)
ROOTED OR FLOATING AQUATIC VEGETATION	Indicate the dominant type and record the domin O Rooted emergent  Dominant species present or photo  Portion of the reach with aquatic vegetation(excl	Sneer/ported
WATER QUALITY	Temperature 7,4 °C Specific Conductance 073 us/m Dissolved Oxygen 0,92 mg/l pH 2,75 su  WQ Instrument Used YSI Multiprobe	Water Odors O Normal/None O Petroleum O Chemical O Fishy O Other  Water Surface Oils (Visual) O Slick O Sheen O Globs O Flecks O None O Other Turbidity (visual) O Clear O Slightly Murky O Other
SEDIMENT/ Periphyton Coverage	Pebble Count O No O Yes Estimate Embeddedness (%) 30%  Portphyton on Rocks O SW O 5-15% O 15-25% O Profuse >25%	Deposits on Substrate O Sludge O Organic O Trash O Silt/clay O Odors (list) Looking at stones which are not deeply embedded, Frethe undersides black in color? O Yes O No

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)		SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)			
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock		8%	Detritus	sticks, wood, coarse plant materials (CPOM)	15
Boulder	> 256 mm (10")	10%		materials (Cr OW)	120
Cobble	64-256 mm (2.5"-10")	30%	Muck-Mud	black, very fine organic (FPOM)	1 57
Gravel	2-64 mm (0.1"-2.5")	30%	11110	(FTOM)	5 . 10
Sand	0.06-2mm (gritty)	20%	Other	Define:	
Silt/Clay	0.004-0.06 mm	2%			
	Tota		100000		

STREAM NAME:	Neip	Bear Creek	Watershed,	Colorado
BCWA SITE #	31/			
	ONG	South Platte	River Basin	
Web Site: www.bearcree	kwatershed.org	Bear Creek W	atershed Asse	ociation
INVESTIGATORS:		^	1,77	
COMPLETED BY; Bear C Association Board	reek Watershed	DATE 9-21-	AM) PM	Baseline Habitat Survey for BCWA Sampling Locations; Reference Conditions
WEATHER CONDITIONS	O rain (stea	(intermittent)	•	Has there been a heavy rain in the last 7 days?  O Yes O No  Air Temperature 70 °C  Other
SITE LOCATION/MAP		e and indicate th	e areas sampl	ed (attach a photograph)  Bive
	QE		Shi Shi	Tour day
STREAM CHARACTERIZATION	Stream Subsystem O Perennial O Inter Stream Origin O Mainstem O Tributary	O Bear Creel	and the second	Stream Type O Coldwater O Warm-water Watershed Area 236 sq-miles

Continue	LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse O Forest O Meadow/Pasture O Large Lot Mix O Residential/Urban	Local Watershed NPS Pollution in Tier 1 Buffer O No evidence O Some potential sources O Obvious sources (list)  Local Watershed Erosion O None O Moderate O Heavy (photo)
Estimated Stream Width  Sampling Reach Area  Thigh Water Mark  Froportion of Reach Represented by Stream Morphology Types  O Riffle % O Run 40 %  O Pool 25 %  Channelized O Yes O No  TERY LARGE  WOODY DEBRIS  OOTED OR  LWD 10 ft²  Estimated Density of LWD  Morphology Types O Riffle % O Run 40 %  O Pool 25 % Channelized O Yes O No  TERY LARGE  WOODY DEBRIS  OOTED OR  LOATING QUATIC  DOMINANT species present or photo Portion of the reach with aquatic vegetation(excluding Periphyton)  WATER QUALITY  Temperature  Dissolved Oxygen 7 20 mg/l  pH 7 5 y  Specific Conductance WOQ Instrument Used  WOQ Instrument Used  WOQ Instrument Used  Periphyton  O Yes  Estimated Stream Width  High Water Mark  For O Run  O Run  O Pool  O Sewage O Sewage O Sewage O Sick O Sheen O Globs O Fishy O O None O Other  Turbidity (visual) O Clear O Slightly Murky O Murky O Other  O Other  Turbidity (visual) O Clear O Slightly Murky O Murky O Other  O Other  Turbidity (visual) O Clear O Slightly Murky O Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Other  Turbidity (visual) O Clear O Slightly Murky O Other  Turbidity (visual) O Clear O Sloghtly Murky O Other  Turbidity (visual) O Clear O Sloghtly Murky O Other  Turbidity (visual) O Clear O Sloghtly Murky O Other  Turbidit	RIPARIAN VEGETATION (100-ft buffer)	O Troles O Shrubs dominant vegetation type present	Trees Sould Back/when
Estimated Density of LWD	INSTREAM FEATURES	Estimated Stream Width 30 ft Sampling Reach Area 50 ft  Estimated Stream Depth 2.5 ft Surface Velocity cfs	O Partly open O Partly shaded O Shaded  High Water Mark + 6 ft  Proportion of Reach Represented by Stream  Morphology Types O Riffle % O Run 40% O Pool 35%
O Rooted emergent  O Rooted submergent  O Free floating	VERY LARGE WOODY DEBRIS		.WD/ reach area)
Specific Conductance	ROOTED OR FLOATING AQUATIC VEGETATION	O Rooted emergent O Rooted submergent Dominant species present or photo	reen / Due gee /
Periphyton or Rocks  O S% 0 5-15% O 15-25% O Profuse >25%  O dors that  Looking at stones which are not deeply embedded age the undersides black in color?  O Yes O No	WATER QUALITY	Specific Conductance	O Normal/None O Petroleum O Fishy O Other O Slick O Sheen O Globs O Vlecks O None O Other Turbidity (visual) O Clear O Slightly Murky O Murky
	SEDIMENT/ Periphyton Coverage	O Yes O No Estimate Embeddedness (%) 20%	O Odors Mist) Looking at stones which are not deeply embedded, age the undersides black in color? O Yes O No
			V

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)		SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)			
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock	The second	120	Detritus	sticks, wood, coarse plant materials (CPOM)	2%
Boulder	> 256 mm (10")	15%		materials (CPOM)	
Cobble	64-256 mm (2.5"-10")	25%	Muck-Mud	black, very fine organic	33 004
Gravel	2-64 mm (0.1"-2.5")	25		(FPOM)	01
Sand	0.06-2mm (gritty)	15	Other	Define:	They sell
Silt/Clay	0.004-0.06 mm	590			Seaso O
	Total	100	1 4		gerusa

Dany old

steel and concrete pipe plywood, lumber

STREAM NAME: $\angle$	Ittle Bea	Bear Creek Watershed,	Colorado	
BCWA SITE #		Colorado Stream Segment Classification:		
The state of the s	ONG	South Platte River Basin		
Web Site: www.bearcree	kwatershed.org	Bear Creek Watershed Asso	ociation	
INVESTIGATORS:				
COMPLETED BY; Bear C Association Board	reek Watershed	DATE 9-21-15 AM PM	Baseline Habitat Survey for BCWA Sampling Locations; Reference Conditions	
WEATHER CONDITIONS	O rain (ste	heavy rain) ady rain) c (intermittent)  cover  O  %	Has there been a heavy rain in the last 7 days? O Yes O No Air Temperature O C	
		POS	Pool Rupe,	
246	P	Run -		

LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse O Forest O Meadow/Pasture O Large Lot Mix O Residential/Urban	Local Watershed NPS Pollution in Tier 1 Buffer O No evidence (O Some potential sources O Obvious sources (list)  Local Watershed Exosion O None (O Moderate O Heavy (photo)		
RIPARIAN VEGETATION (100-ft buffer)	dominant vegetation type present	Dealer Oxor		
(22 C2)	Estimated Reach Length 100 ft  Estimated Stream Width 35 ft  Sampling Reach Area 50 ft  Estimated Stream Depth 5 ft  Surface Velocity (at mid-channel) , 29 / 96	Canopy Cover O Partly open O Partly shaded O Shaded High Water Mark  Proportion of Reach Represented by Stream Morphology Types O Riffle O % O Pool % Channelized O Yes O No		
VERY LARGE WOODY DEBRIS	LWD 2 ft² Estimated Density of LWD 2 %/ft² (L	WD/ reach area)		
ROOTED OR FLOATING AQUATIC VEGETATION	Indicate the dominant type and record the domin O Rooted emergent O Rooted submergent  Dominant species present or photo Portion of the reach with aquatic vegetation(excl	O Free floating		
WATER QUALITY	Temperature 6 8 °C Specific Conductance 667 us/m Dissolved Oxygen 2.25 mg/l pH 268 su  WQ Instrument Used YSI Multiprobe	Water Odors O Normal/None O Petroleum O Fishy O Other  Water Surface Oils (Visual) O Slick O Sheen O Globs O Flecks O None O Other Furbidity (visual) O Clear O Slightly Murky O Other		
SEDIMENT/ Periphyton Coverage	Pebble Count O Yes Estimate Embeddedness (%)  Perinhyton on Rocks O 5% O 5-15% O 15-25% O Profuse >25%	Deposits on Substrate O Sludge O Organic O Trash O Silt/clay O Odors (list) Looking at stones which are not deeply embedded, are the undersides black in color? O Yes O No		

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)			SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)		
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock		0	Detritus	sticks, wood, coarse plant materials (CPOM)	107
Boulder	> 256 mm (10")	.2%			10
Cobble	64-256 mm (2.5"-10")	60	Muck-Mud	black, very fine organic (FPOM)	167
Gravel	2-64 mm (0.1"-2.5")	25			10
Sand	0.06-2mm (gritty)	+ +1	Other	Define:	
Silt/Clay	0.004-0.06 mm	2			
	Total	100			

TREAM NAME: Go	dor tullo	Bear Creek Watershed, C	Colorado			
BCWA SITE # 2 A		Colorado Stream Segment Classification:				
LAT LONG Web Site: www.bearcreekwatershed.org		South Platte River Basin				
		Bear Creek Watershed Asso	ciation			
INVESTIGATORS:	Time Pleus	21 Total				
COMPLETED BY; Bear Cre Association Board	eek Watershed	DATE 9-21-15 M PM	Baseline Habitat Survey for BCWA Sampling Locations; Reference Conditions			
WEATHER CONDITIONS	O rain (st O shower	heavy rain) eady rain) o s (intermittent) o d cover  0 %	Has there been a heavy rain in the last 7 days? O Yes O No Air Temperature 70 °C Other			
SITE LOCATION/MAP		ite and indicate the areas sample	ed (attach a photograph)			
		S vm				
STREAM CHARACTERIZATION	Stream Subsystem O Perennial O I Stream Origin O Mainstem O Tributary O Wetland or fen	ntermittent  Bear Creek Drainage  Turkey Creek Drainage	Stream Type O Warm-water Watershed Area 236 sq-miles			

LOCAL WATERSHED FEATURES	Predominant Surrounding Landuse Forest O Commercial O Meadow/Pasture O Large Lot Mix O Residential/Urban	Local Watershed NPS Pollution in Tier 1 Buffer of No evidence O Some potential sources O Obvious sources (list)  Local Watershed Erosion None O Moderate O Heavy (photo)
RIPARIAN VEGETATION (100-ft buffer)	Indicate the dominant type and record the domin O Trees O Shrubs O Shrubs dominant vegetation type present	nant species present O Grasses O Herbaceous Tree Curify Fruit
INSTREAM FEATURES	Estimated Reach Length 100 ft  Estimated Stream Width 15' ft  Sampling Reach Area  WAR 9-15'  Estimated Stream Depth Surface Velocity (at mid-channel) 152	Canopy Cover O Partly open OPartly shaded O Shaded High Water Mark + 3 ft  Proportion of Reach Represented by Stream Morphology Types O Riffle % O Run / 5 % O Pool / 5 % Channelized O Yes O No
VERY LARGE WOODY DEBRIS	LWD 4 ft <sup>2</sup> Estimated Density of LWD 2 %/ft <sup>2</sup> (L	.WD/ reach area)
ROOTED OR FLOATING AQUATIC VEGETATION	Indicate the dominant type and record the domin of Rooted emergent Rooted submergent  Dominant species present or photo  Portion of the reach with aquatic vegetation(excl	rear filamentous Sew adje
WATER QUALITY	Temperature 3 6 °C  Specific Conductance 045 us/m  Dissolved Oxygen 11.24 mg/l  pH 8.29 su  WQ Instrument Used SI Multiprobe	Water Odors O Normal/None O Petroleum O Chemical O Fishy O Other  Water Surface Oils (Visual) O Slick O Sheen O Globs O Flecks None O Other  Turbidity (visual) O Clear O Slightly Murky O Murky
SEDIMENT/ Periphyton Coverage	Pebble Count O Yes Estimate Embeddedness (%) Periphyton on Rocks O <5%) O 5-15% O 15-25% O Profuse >25%	Deposits on Substrate O Sludge O Organic O Trash O Silt/clay O Odors (list) Looking at stones which are not deeply embedded, are the undersides black in color? O Yes

INORGANIC SUBSTRATE COMPONENTS (If No Pebble Count, Then Rough Estimate)			SMALLER ORGANIC SUBSTRATE COMPONENTS (does not necessarily add up to 100%)		
Substrate Type	Diameter	% Composition in Sampling Reach	Substrate Type	Characteristic	% Composition in Sampling Area
Bedrock		5	Detritus	sticks, wood, coarse plant materials (CPOM)	2
Boulder	> 256 mm (10")	75		materials (CPOM)	
Cobble	64-256 mm (2.5"-10")	40	Muck-Mud	black, very fine organic (FPOM)	0
Gravel	2-64 mm (0.1"-2.5")	25	1 2 2 3		
Sand	0.06-2mm (gritty)	13	Other	Define:	
Silt/Clay	0.004-0.06 mm	2			
	Total				

STREAM NAME:		Bear Creek Watershed, Colorado				
BCWA SITE # 58		Colorado Stream Segment Classification:				
LATLONG		South Platte River Basin				
Web Site: www.bearcree	Bear Creek V	Watershed Ass	ociation			
INVESTIGATORS:	Tone Rus	١	13616	Carlo reserved		
COMPLETED BY; Bear Co Association Board	reek Watershed	DATE 9	21/2M PM	Baseline Habitat Survey for BCWA Sampling Locations; Reference Conditions		
WEATHER CONDITIONS	O rain (ste		Past 24 hours 0 0 0 0 %	Has there been a heavy rain in the last 7 days?  O Yes O So  Air Temperature O C  Other		
SITE LOCATION/MAP	Draw a map of the sin	te and indicate to	the areas sample	led (attach a photograph)		
STREAM CHARACTERIZATION	Stream Subsystem OPerennial O Int Stream Origin O Mainstem O Tributary OWetland or fen	ermittent  Bear Cr O Turkey	eek Drainage Creek Drainage	Stream Type Coldwater O Warm-water Watershed Area 236 sq-miles		