



Referent

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

February 2016

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Data Qualified?
Yes / No

STORET Station Name: G1NE0026 CEDAR RUN ABOVE BLUE HOLE

Date: 07/07/2016

(mm/dd/yyyy)

STORET Station ID: G1NE0026

Latitude: 29.98210

(Decimal Degrees)

WBID: 3519Y RQ-2016-06-27-22

ORG ID: 21 FLA

Longitude: 82.75816

(Decimal Degrees)

Receiving Body of Water:

Field ID:

County:

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>PO'Connor</u>	☒	☒	☒	☒	☒
<u>J PARRISH</u>	☒	☒	☒	☒	☒

Sampling Equipment	
☒ Sample Container	☐ Van Dorn ☐ Pole
☐ Carboy	☐ Syringe
☐ Dipper	☐ Other
Equipment ID	
Collection Method	
☒ Wading From	☐ Via Boat
☐ Shore	☐ Canoe/Kayak
☐ Other (note below)	☐ Electric
	☐ Motor

Water Level: Dry / Low / Normal / High / Flooded

Matrix: Fresh Marine / DI

Meter ID# Photos: Yes / No

Tide Falling: Yes / No / NA

Time Zon	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk(m)	Sp COND (µmhos/cm)	Temp. (C°)
<u>EST</u>	<u>1315</u>	<u>0.3</u>	<u>0.7</u>	<u>4.1</u>	<u>42</u>	<u>7.7</u>	<u>0.16</u>	<u>0.7</u>	<u>329</u>	<u>22.0</u>
<u>CEN</u>								<u>S</u>		

Biological Samples Collected: None HA SCI LVS RPS LVI Other Algae ID

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☐ H2SO4	<u>5259020</u>	<u>09/16/16</u>	☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☐ HNO2			☒ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
BOD	☐ BOD-ONIN	☒ Ice			
Physical/Aggregate (Kit A)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CI-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Kit B)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☒ MI-FW-QLDC	☒ Formalin			
Microbiology	☒ E Coli ☐ F Coli ☐ Entero ☒ QPCR	☒ Ice			
Periphyton	☒ ALGAE-ID	☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Sulfuric Acid
SA-5259020
EXP: 09/16/16
Warning!
See MSDS

Preservative Sticker(s) Here
(If Available)

Sucrase ☒

Notes:	Place Label Here (If Available)
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Signature: _____ Date: _____

Field Parameters Entered into LIMS: Hank 7/19/16
(Initials/Date)

Field Parameters QC into LIMS: _____
(Initials/Date)

Date Migrated to STORET: _____
(Initials/Date)

Field Sheets Scanned/Saved: _____
(Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter **DEP113535** RQ- **2016-06-27-27** Project **Reference SCI**

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 10/04/2016

DO FDEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	PO'Connor	07/07/16	0706	23.6	8.48	8.48	100.0	47.1	1.11317	Pass	LAD
ICV	✓	✓	0712	23.6	8.48	8.48	99.9	47.1	1.11317	Pass	LAD
CCV	A. Kalmbacher	07/07/16	1610	22.2	8.70	8.84	101.4	46.1	1.11317	P	L
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.									
ICV	PO'Connor	07/07/16	0714	15113A	11/2016	100	102	Pass	LAD
CCV	A. Kalmbacher	07/07/16	1615	160216A	2/2017	1,000	1,005	P	L
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH FDEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.						7.0				
Calibr.						4.0				
Calibr.						10.0				
ICV	PO'Connor	07/07/16	0716	2510A81	10/2017	7.0	7.02	-9.4	Pass	LAD
CCV		07/07/16	1620	2510A81	10/2017	7.00	7.10	-12.5	P	L
CCV		07/07/16	1625	2510A88	10/2017	10.0	9.99	-184.6	P	L

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;
 +180 $\pm$ 50; mV pH 10 Range -180 $\pm$ 50;
 and 180mV

mV pH7 Range 0 $\pm$ 50;

mV pH 4 Range

Slope from 7 to 10 and 4 to 7 must be between 165

Depth (Quarterly)

Date of Last Depth Verification 04/2016

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air	PO'Connor	07/07/16	0718	0.000	0.020	Pass	LAD

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

* Part of ongoing plan of study to reduce calibration frequency

DEP Form FD 9000-5 Stream/River Habitat Assessment Field Sheet

76513(2/19)

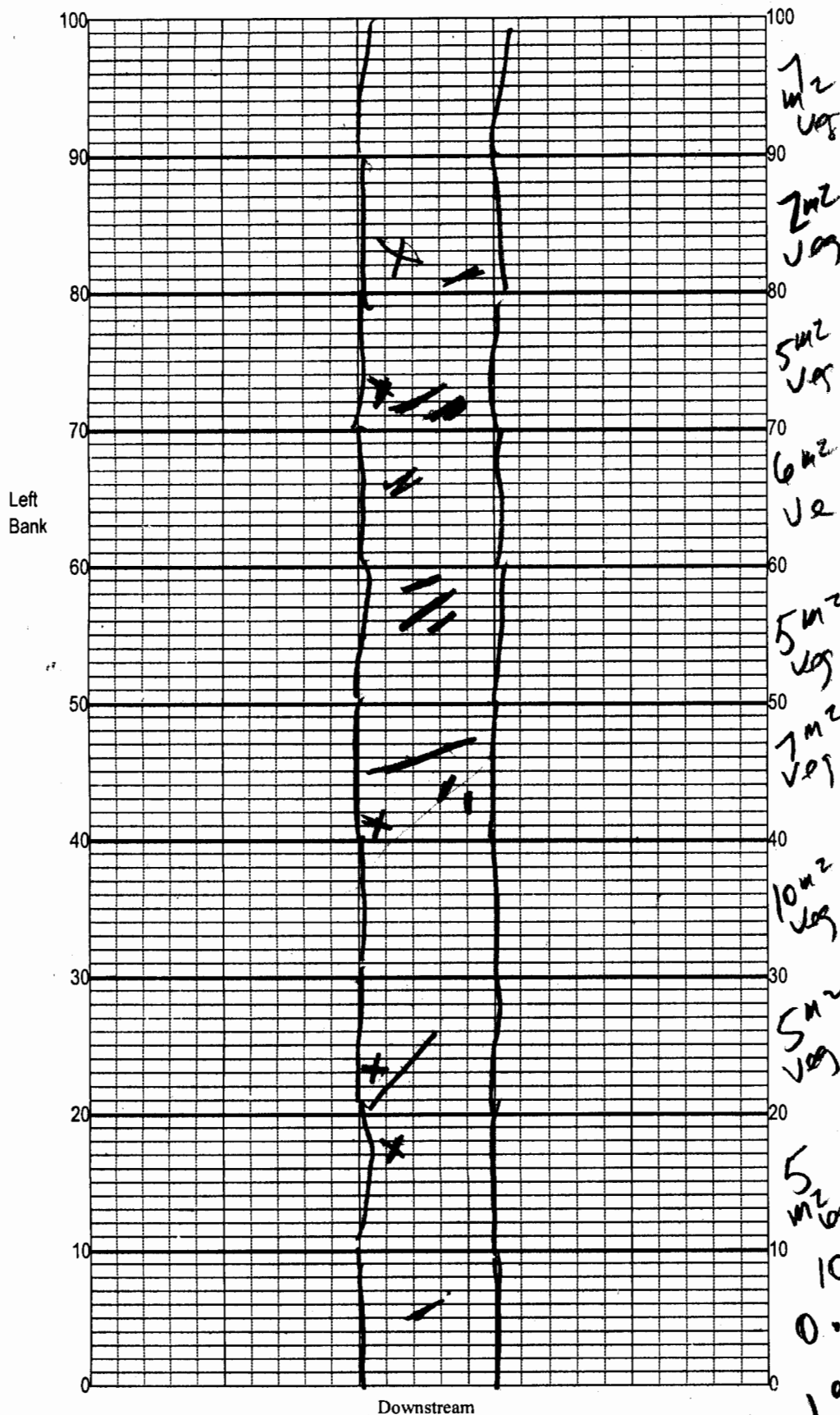
SAMPLING AGENCY: NE ROC		STORET STATION NUMBER: G1NE0026	DATE (MM/DD/YY): 07/07/16	RECEIVING BODY OF WATER: Sawatch River
REMARKS:	COUNTY: COLUMBIA	LOCATION: CEDAR RUN ABOVE BLUE HOLE		FIELD ID/NAME:

Habitat Parameter	Optimal	Suboptimal	Marginal	Poor
Primary Habitat Components	Four or more major productive habitats present (snags, tree roots, aquatic vegetation, leaf packs (partially decayed), rock)	Three major productive habitats present. Adequate habitat. Some substrates may be new fall (fresh leaves or snags)	Two major productive habitats present. Less than desirable habitat, frequently disturbed or removed	One or less major productive habitat. Lack of habitat is obvious, substrates unstable or smothered
Substrate Diversity <u>13</u>	20 19 18 17 16	15 14 <u>13</u> 12 11	10 9 8 7 6	5 4 3 2 1
Substrate Availability <u>8</u>	Greater than 30% major productive habitat present at site 20 19 18 17 16	16% to 30% major productive habitat, by aerial extent 15 14 13 12 11	6% to 15% major productive habitat 10 9 8 7 6	Less than 5% major productive habitat 5 4 3 2 1
Water Velocity <u>14</u>	Max. observed at typical transect: > 0.25 m/sec. But < 1 m/sec ≥0.33 0.31 0.29 0.27 >0.25 20 19 18 17 16	Max. observed at typical transect: >0.1 to 0.25 m/sec 0.25 0.21 0.17 0.13 >0.1 15 14 13 12 11	Max. observed at typical transect: 0.05 to 0.1 m/sec 0.1 0.09 0.07 0.06 0.05 10 9 8 7 6	Max. observed at typical transect: <0.05 m/sec; or spate occurring: > 1 m/sec <0.05 0.04 0.03 0.01 <0.01 5 4 3 2 1
Habitat Smothering <u>11</u> Primary Score <u>46</u>	Adequate number of stable pools (1-2 per 12 times width) and <25% of habitats affected by sand, silt, or algae. 20 19 18 17 16	Adequate number of stable pools (1-2 per 12 times width) and >25% of habitats affected by sand, silt, or algae. 15 14 13 12 11	Does not have required number of stable pools (1-2 per 12 x width) and/or has shallow pools (<2 x prevailing depth). 10 9 8 7 6	Stable pools are absent. Most habitats affected by sand, silt, or algae accumulation. 5 4 3 2 1
Secondary Habitat Components Artificial Channelization <u>20</u>	Expected sinuosity given the stream width. No evidence of dredging or artificial straightening. No spoil banks. 20 19 18 17 16	Good sinuosity within old channelized area. Evidence of dredging in the past (>25 yrs) but mostly recovered. 15 14 13 12 11	Straightened with trapezoidal cross section, but has a small degree of sinuosity developed within channelized area. 10 9 8 7 6	Straightened or engineered by dredging, has trapezoidal or box cut cross section, lacks required pools. May have spoil banks. 5 4 3 2 1
Bank Stability Right Bank <u>10</u> Left Bank <u>10</u>	Bankfull > 60% of bank height. Slope of bank ≤ 60° from bankfull to top of bank. Bankfull is within or above the root zone with few raw, eroded areas. 10 9	Only meets 2 of the 3 requirements for optimal bank stability. 8 7 6	Only meets 1 of the 3 requirements for optimal bank stability. 5 4	Bankfull < 60% of bank height. Slope of bank > 60°. Bankfull is below the root zone with raw, eroded areas. 3 2 1
Riparian Buffer Zone Width Right Bank <u>10</u> Left Bank <u>10</u>	Width of vegetation greater than 18 m 10 9	Width of vegetation >12 to 18m 8 7 6	Width of vegetation 6 to 12 m. human activities close to system 5 4	Less than 6 m of buffer zone due to intensive human activities 3 2 1
Riparian Zone Vegetation Quality Right Bank <u>10</u> Left Bank <u>10</u> Secondary Score <u>126</u>	Over 80% of riparian surfaces consist of normal, expected plant community for given sunlight & habitat conditions (e.g., native plants; tree, shrub, and forbs represented, if appropriate). Minimal disturbance. 10 9	>50% to 80% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Some disruption in community observed. 8 7 6	25% to 50% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). Disruption obvious. 5 4	Less than 25% of riparian zone is undisturbed (normal, expected plant community for given sunlight & habitat conditions). 3 2 1

126 TOTAL SCORE

Date: <u>7/7/16</u>	Analyst: <u>O'Connor</u>	Signature: <u>Pete</u>
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DEP Form FD 9000-4 Stream/River Habitat Assessment Sketch Sheet



Length of grid represents 100 m of stream (not linear meters).
(Horizontal scale is double vertical scale, draw proportionately).

Location: Cedar Run @ base
Date: Blue hole 07/07/14
Sampler: POCOW

100 m: Latitude _____	Longitude _____
0 m: Latitude _____	Longitude _____
Substrates: Code key, draw proportionate habitat abundance. %	
☒ Snags	_____
☒ Roots/undercut banks	_____
☒ Leaf Packs (or mats)	_____
☒ Aquatic Macrophytes	_____
☐ _____	_____
☐ _____	_____
☐ Pools	total # observed = _____ # range expected = _____
Average width <u>0.7 m</u> <u>5 m wire</u>	
Average depth <u>0.7 m</u>	
Velocity measured at <u>0</u> meter mark.	
WQ & chemistry taken at <u>30</u> meter mark.	
Habitat Smothering: Note areas (on map) where sand or silt is smothering substrates, limiting habitability.	
Bank Stability: Note areas (on map) with unstable, eroding banks.	
Riparian Buffer Width: Note areas (on map) where natural vegetation is altered or eliminated.	

Plants observed / other notes:

< 2 M of Macrophytes was observed while doing the LVS? YES or NO

5 m2 veg
10 m2 veg
0.2 m/s
1% Kook
40% SACS
11% JOS

76513

DEP Form FD 9000-3 Physical/Chemical Characterization Field Sheet

29 58 86

SAMPLE ID _____ ORG ID 21 FLA LATITUDE 29 58 52.35 82 45 38
COUNTY Columbia STORET # G1NE0026 LONGITUDE 80 45 30.47 ~ 30 m mark
DATE 07/07/16 TIME 11:30 AM SAMPLING AGENCY NE ROC 29.98222
SITE NAME L/K 29.98210, 82.75816 82.758333
FIELD ID/NAME _____ RECEIVING BODY OF WATER Itchenuckaree River

RIPARIAN ZONE / STREAM FEATURES

Meter ID: 4514 DEP# 113535

PREDOMINANT LAND-USE IN WATERSHED (specify relative percent in each category):

Forest/Natural ☐ Silviculture ☐ Field/Pasture ☐ Agricultural ☐ Residential ☐ Commercial ☐ Industry ☐ Other (Specify) St Park 100%Landscape Development Intensity Index (LDII) ☐Local Watershed Erosion (select one): ☐ None ☒ Slight ☐ Moderate ☐ HeavyLocal Watershed NPS Pollution: ☐ No evidence ☒ Slight ☐ Moderate ☐ Heavy

Width of Riparian Vegetation (m) on Each Buffer Side

Left Bank: >18m Right Bank: >18m

Hydrologic Modification Score (per FT 3101)

High Water Mark: 0.3 + 0.7 = 1.0
(m) (above present water level) (present depth) (above bed)

Artificially Impounded

☐ Yes ☒ No

Typical Width (m) Depth (m)/Velocity (m/sec) Transect

5 m wide0.2 m/s 0.7 m deepArtificially ☒ No ☐ Mostly recovered, more sinuousChannelized: ☐ Some recovery ☐ Recent, severe

Canopy Cover %

☐ Open ☐ Lightly Shaded (11-45%)☒ Heavily Shaded ☐ Moderate Shaded (46-80%)

SEDIMENT / SUBSTRATE

Sediment Oils

☒ Absent ☐ Slight
☐ Moderate ☐ Profuse

Sediment Odors

☒ Normal ☐ Sewage ☐ Petroleum
☐ Chemical ☐ Anaerobic
☐ Other (Specify):

Smothering of Substrates

Sand Smothering: None ☐ Slight ☐ Moderate ☒ Severe ☐
Silt Smothering: None ☐ Slight ☐ Moderate ☒ Severe ☐
Algae Smothering: None ☐ Slight ☐ Moderate ☒ Severe ☐

SUBSTRATE TYPE

Assessment Tool: ☒ SCI ☒ RPS ☒ LVS☐ LCI ☐ BioReconINVERT PERI
% # Times # Times
Coverage Sampled SampledWoody Debris (Snags) 4 5Undercut Banks / Roots 1 5Leaf Packs or Mat 1 5Aquatic Vegetation 11 5Rock or Shell Rubble 10 5Mud / Muck / Silt 80+ 5Other 80+ 5Other 80+ 5

WATER QUALITY

Depth (M)	Temp. (°C)	pH (SU)	D.O. (MG/L)	D.O. Sat (%)	Cond. (UMHO/CM)	Salinity (PPT)	SECCHI (M)
Top:							<u>0.75</u>
Mid:	<u>0.3</u>	<u>22.0</u>	<u>7.7</u>	<u>4.1</u>	<u>42</u>	<u>329</u>	<u>0.16</u>
Bottom:							<u>0.7</u>

System Type: Stream ☐ Lake ☐ Wetland ☐ Estuary ☐ Other (Specify) SPRING RUNWater Odors Normal ☐ Petroleum ☐
Sewage ☐ Chemical ☐ Other ☐Water Surface Oils Normal ☒ Sheen ☐
Globs ☐ Slick ☐ Other ☐Water Sample Taken? ☒ Yes ☐ NoSample Preserved? ☐ Yes ☐ No

Lot Number: _____ Exp: _____

Color Tannic ☐ Green (Algae) ☐
Clear ☒ Other (Specify) ☐Algae Sample Taken? ☒ Yes ☐ NoSample Preserved? ☐ Yes ☐ No

Lot Number: _____ Exp: _____

Clarity Clear ☒ Slightly Turbid ☐
Turbid ☐ Opaque ☐

ABUNDANCE

Not Obs. Rare Common Abundant

Periphyton: ☐ ☐ ☐ ☒Fish: ☐ ☐ ☒ ☐Aquatic Plants: ☐ ☐ ☐ ☒Iron/Sulfur Bacteria: ☐ ☐ ☒ ☐

AMBIENT FIELD CONDITIONS / NOTES:

Hydrologic Disturbance Scoring ☐ 1-2 ☒ 3-4 ☐ 5-6 ☐ 7-8 ☐ 9-10☒ The antecedent hydrologic conditions have been met to my best knowledge.

SAMPLING TEAM

J Parrish, PO

SIGNATURE:

DEP FORM FD9000-25 Rapid Periphyton Survey Field Sheet

Site: Cedar Run above Bluehole County: Columbia Date: 7/7/16 Investigators: [Signature]

STORET Station Number: G1NE0026

Transect (m)	Point 1=right	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover	Transect (m)	Point 1=right	Algal Thickness Rank (N-6, X)	Estimated	Canopy Cover
0	1	3	N	86	60	1	6	N	88
	2	3				2	6		
	3	3				3	3		
	4	N				4	N		
	5	N				5	6		
	6	4				6	5		
	7	4				7	4		
	8	N				8	4		
	9	N				9	4		
10	1	N		196	70	1	6	N	74
	2	N				2	6		
	3	3				3	N		
	4	N				4	N		
	5	5				5	3		
	6	X				6	5		
	7	X				7	6		
	8	X				8	6		
	9	X				9	6		
20	1	N		88	80	1	6	N	
	2	N				2	6		
	3	6				3	6		
	4	6				4	N		
	5	5				5	5		
	6	4				6	5		
	7	N				7	N		
	8	N				8	N		
	9	3				9	3		
30	1	6		88	90	1	N	N	96
	2	6				2	N		
	3	6				3	N		
	4	6				4	6		
	5	6				5	6		
	6	5				6	5		
	7	5				7	6		
	8	5				8	6		
	9	N				9	6		
40	1	6		96	100	1	N	N	15
	2	6				2	6		
	3	6				3	6		
	4	6				4	6		
	5	6				5	6		
	6	6				6	6		
	7	6				7	6		
	8	6				8	6		
	9	5				9	6		
50	1	6	N	60		1	6	N	
	2	6	N			2	6		
	3	N	N			3	6		
	4	N	N			4	6		
	5	6	Y			5	6		
	6	N				6	6		
	7	6				7	6		
	8	6				8	6		
	9	6				9	6		

Secchi depth
Estimated?

points ranked 4-6 50%
total points assessed
% points ranked 4-6 80%

Check accompanying data collected at same site/date
Algal mat sample
Linear Veg Survey
Habitat Assessment
SCI/Biorecon
Water sample
RQ- 2016-06-27-22

Algal Thickness Rank	
N	rough, no algae, slimy, algae up to 1mm
3	>1mm - 6mm
4	>6mm - 20mm
5	>20mm - 10 cm
6	>10 cm

Record "N" and check "Estimated" for points deeper than the Secchi depth; algae are presumed absent. Check "Estimated" if thickness estimated for deep points which can be seen but not reached.
Record "X" for points shallower than Secchi depth for which substrate cannot be seen or reached with the hand. No estimated rank.
Record canopy cover as the number of small densiometer quadrants (out of 96) that HAVE canopy cover. Measure facing upstream at point 4, 5, or 6.
Collect algal mat sample following DEP SOP FS 7240 if the percentage of total sampled points with a thickness rank of 4, 5, or 6 is >20%.

5610 76513
DEP FORM FD 9000-32: LINEAR VEGETATION SURVEY FIELD SHEET

Waterbody: CEOM RUN Above Blue Hls Date: 7/7/16 County: Columbia Storet Number: G1NE0026

Analyst: _____ Signature: [Signature]

Comments:

Instructions: Note taxa growing in the water with a checkmark if present, "D" if dominant, and "C" if codominant (dominance only if 1 m² of taxa present). Note in the boxes below if no dominant are selected, and note total macrophyte abundance rank for each section. Only the most common taxa are listed, so use blank spaces for additional taxa names.

HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)	HERBACEOUS SPECIES	Meter Mark										Specimen collected (check)
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100			0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	
Alternanthera philoxeroides												Micranthemum glomeratum											
Bacopa caroliniana												Micranthemum umbrosum											
Bacopa monnieri												Myriophyllum aquaticum											
Bidens mitis												Najas guadelupensis											
Boehmeria cylindrica	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Nuphar luteum											
Centella asiatica												Orontium aquaticum											
Ceratophyllum demersum												Panicum hemitomon											
Chara												Panicum repens											
Cicuta maculata												Panicum rigidulum											
Cladium jamaicense												Pistia stratioides											
Colocasia esculenta												Polygonum glabra											
Commelina diffusa												Polygonum hydropiperoides	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Commelina virginica												Polygonum punctatum											
Crinum americanum												Pontedaria cordata											
Diodia virginiana												Potamogeton illinoensis											
Eichhornia crassipes												Ruellia simplex											
Eleocharis (wispy viviparous)												Sacciolepis striata											
Hydrilla verticillata												Sagittaria kurziana											
Hydrocotyle												Sagittaria lancifolia											
Hygrophila polysperma												Sagittaria latifolia											
Hymenocallis												Salvinia minima											
Lachnanthes caroliniana												Samolus parviflora											
Landoltia punctata												Saururus cernuus											
Lemna	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Sparganium americanum											
Limnophila sessiflora												Typha											
Ludwigia leptocarpa												Vallisneria americana											
Ludwigia palustris												Zizania aquatica											
Ludwigia peruviana												<u>PANICUM Regio</u>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Ludwigia repens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	<u>SPIRODELIA</u>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Luziola fluitans												<u>ITRA Vig</u>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<u>CRINUM</u>											✓	<u>JUNCUS MARGIN</u>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
												<u>RHYNCHO/AS INUA</u>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
												<u>C</u>											
If no Dominant or Co-Dominant were selected, indicate with "X"																							
Indicate % cover macrophytes per section																							
0-5% Macrophyte Coverage																							
>5 and ≤10% Macrophyte Coverage																							
>10 and ≤25% Macrophyte Coverage																							
>25 and ≤50% Macrophyte Coverage												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
> 50% Macrophyte Coverage																							