GEORGIA ADOPT-A-STREAM: Basic Visual Form

To be used with: Photo Points, Wentworth Pebble Count, Cross Section, Bio Survey, Stream Habitat Survey, Stream Flow and Site Sketch

NO	Group Name:	Event Date:		(MMDDYYYY)
ИАTI	Group ID: GSite ID: S	Time Sample C	Collected:	_(HHMM am/pm)
SITE INFORMATION	Stream Name:	Time Spent Sa	mpling:	_(Min)
IN IN	Monitor(s):	Total Time Spe	ent Traveling (optional):_	(Min)
SITE	Number of Participants:	Furthest Distar	nce Traveled (optional):_	(Miles)
2	Present conditions (check all that apply)		Amount of rain, if kno	own?
WEATHER	☐ Heavy Rain ☐ Steady Rain ☐ Int	termittent Rain	Amount in Inches:	,
EA7	Overcast Partly Cloudy Cloudy	ear/Sunny	In Last Hours/Days:_	
>			*Refer to wundergrou	nd.com for rainfall data
	Flow/Water Level: Dry Stagnant/St	ill Low No	ormal High	Flood (over banks)
SN	Water Clarity: ☐ Clear/Transparent ☐ Clear	oudy/Somewhat Turbic	d Opaque/Turbid	Other:
OBSERVATIONS	Water Color: No Color Brown/Mudd	ly Green Milk	y/White Tannic	Other:
.VA	Water Surface: Clear Oily sheen: Doe	es it break when disturb	ped? Yes/No (circle one)	Algae
SER	☐ Foam	high Olt is pure white	e 🗌 Other:	
)BS	Water Odor: Natural/None G	asoline	Sewage Rotter	n Egg
	☐ Fishy ☐ C	hlorine	Other:	
	Trash: None Yes, I did a cleanup	This site needs an	organized cleanup	
S	Photos: Please take images to document your of	observations and chan	ges in water quality cond	ditions.
POINTS	Photo point directions can be found in the	manuals. Send photo	s to AAS@gaepd.org.	
РО	Reference Location (RL): Latitude (+)	(DD.DDDD°)	Longitude (-)	(DD.DDDD°)
T0	Compass bearing to permanent Photo Point	Location (PPL): Degre	ees (°)	
РНОТО	Distance to permanent Photo Point Location	(PPL) from Reference	e Location (RL): Distan	ce(ft/in)
<u>п</u>	Camera height at permanent Photo Point loca	ation (PPL): Height	(ft/in)	
	Any changes since you la	st sampled at this site	e? If yes, please descr	ibe.
S				
E				
MM				
COMMENTS				

Please submit data to our online database at AdoptAStream.Georgia.gov

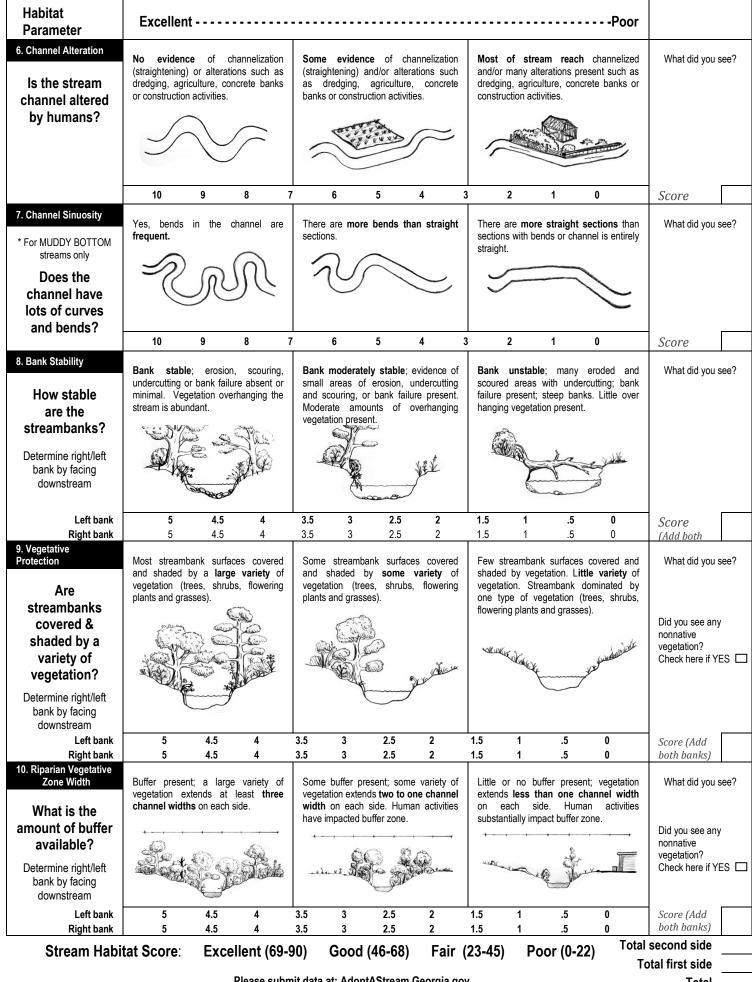
GEORGIA ADOPT-A-STREAM: Stream Habitat Survey

(Also fill out the Basic Visual Form when completing this survey)

Type of Stream:	
☐ Rocky bottom	
☐ Muddy bottom	

Stream habitat will be evaluated looking both upstream and downstream, and includes: channel bottom materials, streamside vegetation, slope, and other channel characteristics. You may choose a value between 0-10 for each parameter. Note #s 8-10 ask you to evaluate each bank separately.

All measurements sh	nould be tal	ken durin	g baseflow c	onditions. S	tream re	each is define	ed as 12 time	es strear	n width, bankfu	II to bankfull.	
Habitat Parameter	Exce	llent							Poor		
1. Epifaunal Substrate What types of submerged materials are on the channel bottom?	colonization and fish: sub	omerged roo lebris, cobble		Adequate sta colonization by fish: submerge vegetative det and undercut	y macroinve ed roots, wo oris, cobble	ertebrates and oody and	available macroinverte roots, wood	for contracted and ly and very packs and	e habitat cover olonization by fish: submerged egetative debris, I undercut banks; g high flows.	What did you	see?
	10	9	8 7	6	5	4 3	3 2	1	0		
* For ROCKY BOTTOM streams only	Gravel and embedded in		are slightly	Gravel and embedded in r		are partially	Gravel and embedded in		are completely	What did you	see?
Are fine sediments being deposited in	W.				(Oca (W.	- KV				
riffle/run area?	10	9	8 7	6	5	4 3	3 2	1	0		
Is a diversity of instream habitats available: riffle, runs and pools?	run, pool) ar		1	Two (2) habita	t types are	e present.	Only one (1 dominant.) habitat t	type present and	What did you	see?
	10	9	8 7	6	5	4 3	3 2	1	0		
4. Sediment Deposition Are point bars and islands present?	small size	and frequen Composed	stable and of acy with some of mostly of	and of mode with some	rate size sparse ostly of so	Is less stable and frequency vegetation. me gravel and	a large size	with little	s unstable and of or no vegetation. entirely of fine	What did you	see?
	10	9	8 7	6	5	4 3	3 2	1	0		
5. Channel Flow Status How much water is in the stream channel?	Water reach banks; little		f both lower posed.	partially fills ch	ate is exponented.	osed and water	Most substilittle water in		posed and very	What did you	see?



Please submit data at: AdoptAStream.Georgia.gov Or send to: 2 MLK Jr. Dr. SE, Suite 1462 East, Atlanta, GA 30334 Email: AAS@gaepd.org

Total

GEORGIA ADOPT-A-STREAM: Stream Flow

(Also fill out the Basic Visual Form when completing this survey)

CAL	CU	ILA.	TΕ	AR	EA
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Depth Measurements	1. 0 ft	2.	3.	4.	5.	6.	7.	8.	sum
Average Depth	ft] = -			sum of d				_
Width Measurements	1.	2. ft	sun	n					
Average Width	ft] = -			sum of w				_
Area ft	t ² = _	width	X	epth					
CALCULATE SP							esired d	istance	
It is advisable to Take measureme	take at l	east 2 m	easurem	ents of c			esired d	(20 fe	eet is nmended
It is advisable to Take measurement time in 1 seconds average	take at le ents fron	east 2 m n the stre	easurem eam <u>run</u>	lents of cl	gth =	eed	feet	(20 fe recon	
It is advisable to Take measurement time in 1 seconds average time	take at leents from	east 2 m n the stre 2.	easurem eam <u>run</u> 3.	lents of cl	gth = sum sum of ti number of	me measof measo	feet	(20 fe recon	
It is advisable to Take measurement time in 1 seconds average time	take at leants from	east 2 m n the stre	easurem eam <u>run</u> 3.	lents of collections of collections and the collections are the collections of collections are the collect	gth = sum sum of ti number of	me measof measo	feet	(20 fe recon	
It is advisable to Take measurement time in 1 seconds average time	take at leants from	east 2 m the stre	easurem eam <u>run</u> 3.	lents of collections of collections and the collections are the collections of collections are the collect	gth = sum sum of ti number of	me measof measo	feet suremer urement	(20 fe recon	

GEORGIA ADOPT-A-STREAM: Channel Cross-Section: Part 1

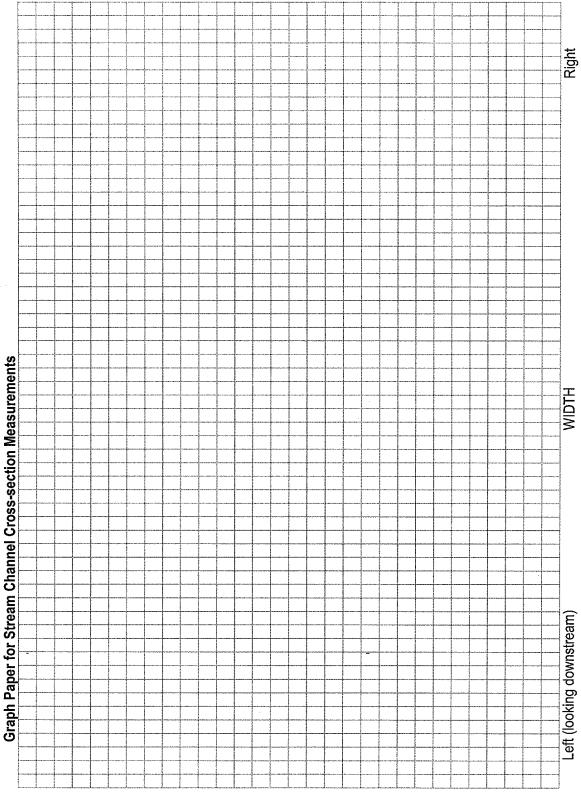
(Also fill out the Basic Visual Form when completing this survey)

Measurements are always taken from the left stream bank, looking downstream. Depth measurements are taken every two feet and in sections where there is a notable change. Be sure to note left and right bankfull, water edge, and sand bars.

CROS	SS-SECT	ION	
Distand LEFT F	e from Pin	Measurement Depth	Comments
Point	Ft.	Ft.	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

	ΓΙΟΝ	
	Measurement	Comments
		Comments
Ft.	Ft.	
	S-SECTe from in Ft.	n Depth

GEORGIA ADOPT-A-STREAM: Channel Cross-Section: Part 2 (Also fill out the Basic Visual Form when completing this survey)



GEORGIA ADOPT-A-STREAM: Wentworth Pebble Count

(Also fill out the Basic Visual Form when completing this survey)

Count#/Sizo Class	Silt/Clay	Sand	Crovol	Cobble	Pouldor	Podrook
Count#/Size Class	Sill/Clay	Sand	Gravel	Copple	Boulder	Bedrock
1						
2						
3						
<u>4</u> 5						
<u>6</u> 7						
8						
10 11						
12						
13						
14						
15						
16						
17						
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38			-			
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49						

50 51 52 53 54 555 56 57 58 59 60 61 61 62 63 64 64 65 66 67 70 71 71 72 73 74 77 78 78 79 80 80 81 81 82 83 84 84 85 85 86 87 88 88 89 90 91 91 92 93 94 95 96 97 98 88 99 99 1000 Total in each	Count#/Size Class	Silt/Clay	Sand	Gravel	Cobble	Boulder	Bedrock
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52 53 54 54 555 56 57 58 58 59 60 61 61 62 63 64 65 66 66 67 68 69 70 71 71 72 73 74 75 75 76 76 77 78 8 8 8 8 8 8 8 8 8 8 8 8 8 8							
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99 100 Total in each							
Total in each							
Total in each							
Total in each column (%)							
column (%)	Total in each						
	column (%)						

GEORGIA ADOPT-A-STREAM: Site Sketch

(Also fill out the Basic Visual Form when completing this survey)

GEORGIA ADOPT-A-STREAM: Visual Biological Survey (Also fill out the Basic Visual Form when completing this survey)

1. VV	☐ amphibians ☐ waterfowl ☐ rep☐ crustaceans ☐ birds	otiles □ mamma	ls □ mussels/clams/oysters
2. F i	ish in the stream: (Check all that a ☐ no ☐ yes, but r ☐ small (1-2") ☐ medium (are □yes	
A	re there barriers to fish movement? □ none □ beaver dams □ dams □ road barriers	□ waterfalls >	
3. A	quatic plants in the stream: (Che ☐ none	eck all that apply)	
	☐ attached plants oc stream margin/edge pools near riffle	ccasional	plentiful
	☐ free-floating plants of stream margin/edge pools near riffle	ccasional	plentiful
4. E : <i>a)</i>	xtent of algae in the stream: Are the submerged stones, twigstoo layer of algae? (Check all that ap □ none		al in the stream coated with a
	☐ brownish: occasional light coating ☐ heavy coating ☐	al	plentiful
	□ greenish: occasionalight coating □heavy coating □	ul	plentiful
	□ other: occasional light coating □	al 🗆	plentiful

	rio inolo ally inc	amentous (string-like) alg	ae?	
		none	occasional	plentiful	
	brownish				
	greenish				
	other:				
c)	Are any detache	d "clumps"	or "mats" of a	lgae floating o	on the water's surface?
		none	occasional	plentiful	
	brownish				
	greenish				
	other:				
Loge		brio:	none		
LUUS U	r large woodv de	DI 15.		Occasional	□ pientitui
_	r large woody de s, twigs, root mat			□ occasional□ occasional	•
Leaves	•	s, etc.:	□ none	□ occasional	□ plentiful
Leaves 6. Stre	s, twigs, root mat	s, etc.:	□ none	□ occasional	□ plentiful
Leaves 6. Stre	s, twigs, root mat cam shade cove g down stream:	s, etc.: r: How well	□ none	□ occasional	□ plentiful d by vegetation?
Leaves 6. Stre	s, twigs, root mat	s, etc.: r: How well	□ none	□ occasional	□ plentiful
Leaves 6. Stre	s, twigs, root mat cam shade cove g down stream: Total shadin	s, etc.: r: How well	□ none	□ occasional	□ plentiful d by vegetation?
6. Stre Lookin	s, twigs, root mate am shade cove g down stream: Total shadin	s, etc.: r: How well	□ none	□ occasional surface shade	□ plentiful d by vegetation? No shading