Date: 7/2/07	Project: (coper S/L) Latit	ude: <i>35</i> .758	4688°N
Date: 7/2/07 Project: Cooper S/D Latitude: 35.7584688°N Evaluator: Jennifer Burdette Site: # / Longitude: 79.0732545°N					
Total Points:		Chatham		r Quad Name: Farr	ington
,					0
A. Geomorphology (Subtotal = 6)	Absent	Weak	Moderate	Strong
1 ^a . Continuous bed and bank		0	Q	2	3
2. Sinuosity		0	Ø	2	3
3. In-channel structure: riffle-pool sequer	ice	0 .	0	2	3
4. Soil texture or stream substrate sorting	9	0_	<i>O</i>	2	3
5. Active/relic floodplain		O	1	2	3
6. Depositional bars or benches		O ,	1	2	3
7. Braided channel		0	1	2	3
8. Recent alluvial deposits		(0)	1	2	3
9 a Natural levees		7	1	2	3
10. Headcuts		0	1	2	3
11. Grade controls		0	(0.5)	1	1.5
12. Natural valley or drainageway		0	(0.5)	1	1.5
 Second or greater order channel on e USGS or NRCS map or other docume evidence. 		No		Yes :	= 3
^a Man-made ditches are not rated; see discuss	ions in manu	ıal			
,					
B. Hydrology (Subtotal = <u>3.5</u>)				
14. Groundwater flow/discharge		(0)	1	2	3
 Water in channel and > 48 hrs since r Water in channel dry or growing sea 		0	1	2	3
16. Leaflitter		1.5	(1)	0.5	0
17. Sediment on plants or debris		0	0.5	1	1.5
18. Organic debris lines or piles (Wrack li		0	0.5	0	1.5
19. Hydric soils (redoximorphic features)	present?	No	= 0	Yes =	(1.5)
C. Biology (Subtotal = 4.5)					
20 ^b . Fibrous roots in channel		3	0	1	0
21 ^b . Rooted plants in channel		3	2	1	0
22. Crayfish		0	0.5	1	1.5
23. Bivalves		0	1	2	3
24. Fish		0	0.5	1	1.5
25. Amphibians		0	0.5	1	1.5
26. Macrobenthos (note diversity and abund	ance)	0	0.5	1	1.5
27. Filamentous algae; periphyton	· · · · · · · · · · · · · · · · · · ·	Ø	1	2	3
28. Iron oxidizing bacteria/fungus.		1	0.5	1	1.5
29 ^b . Wetland plants in streambed		FAC =(0.5), FAC	CW = 0.75; OB		0; Other = 0
b Items 20 and 21 focus on the presence of up	oland plants,	Item 29 focuses on	the presence of a	quatic or wetland pla	
Notes: (use back side of this form for additional			Sketch:		

Date: 7/2/07 P	roject: C	ooper S/L) Latit	^{ude:} <i>3</i> 5. 758	5721°N	
Date: 7/2/07 Project: Cooper S/D Evaluator: Jennifer Burdette Site: #2			Long	Longitude: 79.0723704°W		
Total Points:		Chatham		er Quad Name: <i>Fari</i>	ington	
A. Geomorphology (Subtotal = $\frac{9}{2}$)	Absent	Weak	Moderate	Strong	
1 ^a . Continuous bed and bank		0	1	3	3	
2. Sinuosity		0	1	2	3	
3. In-channel structure: riffle-pool sequen	ce	0	(1)	2	3	
4. Soil texture or stream substrate sorting	ļ	0	1	- 0	3	
5. Active/relic floodplain		0	1	2	3	
6. Depositional bars or benches		(A)	1	2	3	
7. Braided channel		0	(1)	2	3	
8. Recent alluvial deposits		6	1	2	3	
9 a Natural levees		0	1	2	3	
10. Headcuts		0	1	2	3	
11. Grade controls		0	(0.5)	1	1.5	
12. Natural valley or drainageway		0	(0.5)	1	1.5	
13. Second or greater order channel on ex USGS or NRCS map or other documents		No =	€	Yes :	= 3	
evidence. a Man-made ditches are not rated; see discussi	!					
Man-made ditches are not rated; see discussi	ons in manu	aı				
B. Hydrology (Subtotal = 3)					
14. Groundwater flow/discharge	<u> </u>		1	2	3	
15. Water in channel and > 48 hrs since ra Water in channel dry or growing sea		0	1	2	3	
16. Leaflitter		1.5	<u>(1)</u>	0.5	0	
17. Sediment on plants or debris		0	0.5	1	1.5	
18. Organic debris lines or piles (Wrack lir	nes)	0	(0.5)	1	1.5	
19. Hydric soils (redoximorphic features) p		No =		Yes =	~	
C. Biology (Subtotal =						
20 ^b . Fibrous roots in channel		(3)	2	1	0	
21 ^b . Rooted plants in channel		3	2	1	0	
22. Crayfish		0	0.5	1	1.5	
23. Bivalves		0	1	2	.3	
24. Fish		0	0.5	1	1.5	
25. Amphibians		Ø	0.5	1	1.5	
26. Macrobenthos (note diversity and abunda	ance)	0	0.5	1	1.5	
27. Filamentous algae; periphyton		70	1	2	3	
28. Iron oxidizing bacteria/fungus.		7	0.5	1	1.5	
29 b. Wetland plants in streambed				L = 1.5 SAV = 2.		
b Items 20 and 21 focus on the presence of up	land plants,	Item 29 focuses on t	he presence of a	quatic or wetland pla	nts.	
Notes: (use back side of this form for additional	l notes.)		Sketch:			

Date: 7/2/07	Project: Cooper S/D	Latitude: 35. 754 7824°N
Evaluator: Jennifer Burdett	Site: #3	Longitude: 79.0743072 W
Total Points: Stream is at least intermittent if \geq 19 or perennial if \geq 30	County: Chatham	Other e.g. Quad Name: Farrington

A. Geomorphology (Subtotal = 13.5)	Absent	Weak	Moderate	Strong
1 ^a . Continuous bed and bank	0	1	2	3
2. Sinuosity	0	1	2	₹ (3)
3. In-channel structure: riffle-pool sequence	0	1	Ø	3
Soil texture or stream substrate sorting	0	1	€2	3
5. Active/relic floodplain	O	1	2	3
6. Depositional bars or benches	0_	1	2	3
7. Braided channel	0	1	2	3
Recent alluvial deposits	0	1	2	3
9 a Natural levees	0	1	2	3
10. Headcuts	0	1	2	3
11. Grade controls	Ø	0.5	1	1.5
12. Natural valley or drainageway	0	0.5	1	(1.5)
13. Second or greater order channel on <u>existing</u> USGS or NRCS map or other documented evidence.	No	=0	Yes	= 3

^a Man-made ditches are not rated; see discussions in manual

		/ _	
B. Hydrology	(Subtotal =	6.5)

Billydrology (Cablotal/		_		
14. Groundwater flow/discharge	0	1	2	3
15. Water in channel and > 48 hrs since rain, or Water in channel dry or growing season	0	1	2	3
16. Leaflitter	1.5	1	0.5	0
17. Sediment on plants or debris	0	0.5	1	1.5
18. Organic debris lines or piles (Wrack lines)	0	0.5	1	1.5
19. Hydric soils (redoximorphic features) present?	No	= 0	Yes	=(1.5)

C. Biology	(Subtotal =	<i>5.</i> 5)

o. Biology (Gustotal		_		
20 ^b . Fibrous roots in channel	3	0	1	0
21 ^b . Rooted plants in channel	3	2	1	0
22. Crayfish	0	0.5	1	1.5
23. Bivalves	0	1	2	3
24. Fish	0	0.5	1	1.5
25. Amphibians	0	(0.5)	1	1.5
26. Macrobenthos (note diversity and abundance)	0	0.5	1	1.5
27. Filamentous algae; periphyton	O	1	2	3
28. Iron oxidizing bacteria/fungus.	0	0.5	1	1.5
29 b. Wetland plants in streambed	FAC = 0.5; FA	CW = 0.75; OBI	_ = 1.5 SAV = 2	2.0; Other € 0

^b Items 20 and 21 focus on the presence of upland plants, Item 29 focuses on the presence of aquatic or wetland plants.

Notes: (use back side of this form for additional notes.)	Sketch:
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Date: 7/2/07	Project: Cooper 5/D	Latitude: 35.7541967°N
Evaluator: Le nni fer Burde He	Site: # 4	Longitude: 79. 074 // 17 W
Total Points: Stream is at least intermittent 25.5 if ≥ 19 or perennial if ≥ 30	County: Chatham	Other e.g. Quad Name: Farrington

A. Geomorphology (Subtotal = 12)	Absent	Weak	Moderate	Strong
1 ^a . Continuous bed and bank	0	1	2	3
2. Sinuosity	0	1	2	3
3. In-channel structure: riffle-pool sequence	0	1_	€-3	3
Soil texture or stream substrate sorting	0	1	2	3
5. Active/relic floodplain	0	1	2	3
6. Depositional bars or benches	0	€0	2	3
7. Braided channel	0	1	2	3
8. Recent alluvial deposits	0	1	2	3
9 a Natural levees	0	1	2	3
10. Headcuts	0	(1)	2	3
11. Grade controls	0	0.5	1	1. <u>5</u>
12. Natural valley or drainageway	0	0.5	1	(1.5)
13. Second or greater order channel on existing USGS or NRCS map or other documented evidence.	No	• = 0	Yes	= 3

^a Man-made ditches are not rated; see discussions in manual

		-1	
B. Hvdrologv	(Subtotal =	/)

D. Hydrology (Subtotal)				
14. Groundwater flow/discharge	0	1	2	3
15. Water in channel and > 48 hrs since rain, or Water in channel dry or growing season	0	1	2	3
16. Leaflitter	(1.5)	1	0.5	0
17. Sediment on plants or debris	0	0.5	1	1.5
18. Organic debris lines or piles (Wrack lines)	0	0.5	1	1.5
19. Hydric soils (redoximorphic features) present?	No	= 0	Yes :	(1.5)

C. Biology	(Subtotal =	6.5)

Notes: (use back side of this form for additional notes.)

J. 2.0.09) (Juliotal				
20 ^b . Fibrous roots in channel	3	2	1	0
21 ^b . Rooted plants in channel	3	2	1	0
22. Crayfish	0	0.5	1	1.5
23. Bivalves	0	1	2	3
24. Fish	O	0.5	1	1.5
25. Amphibians	0	(0.5)	1	1.5
26. Macrobenthos (note diversity and abundance)	0	(0.5)	1	1.5
27. Filamentous algae; periphyton	0	1	2	3
28. Iron oxidizing bacteria/fungus.	0	0.5	1	1.5
29 b. Wetland plants in streambed	FAC = 0.5; FA	CW = 0.75; OBI	L = 1.5 SAV = 2	.0; Other € 0

Sketch:

26.	crayfish, blk beetles	

b Items 20 and 21 focus on the presence of upland plants, Item 29 focuses on the presence of aquatic or wetland plants.

Date: /0/11/07	Project: C	ooper 5/1) Latit	^{ude:} <i>3</i> 5.75/0	0099°N	
Evaluator: Jennifer Burdette Site: # 5 Longitude: 79.0729812°W						
Total Points: Stream is at least intermittent / 4 if ≥ 19 or perennial if ≥ 30	County: Chatham Other e.g. Quad Name: Farring				rington	
A 0	9	Alanant	18/ mm l m	36 adamata	Ctus as	
A. Geomorphology (Subtotal =	/)	Absent	Weak	Moderate	Strong	
1 ^a . Continuous bed and bank		0	$\frac{1}{\mathcal{D}}$	2	3	
2. Sinuosity		0	<u> </u>	2 2	3	
3. In-channel structure: riffle-pool sequ		0	\bigcirc	2	3	
4. Soil texture or stream substrate sort	ing	(b)		2	3	
5. Active/relic floodplain		8	1	2	3	
Depositional bars or benches Raided channel		0	1	2	3	
Recent alluvial deposits		0	<u>(1)</u>	2	3	
9 a Natural levees		Ŏ.	<u>0</u>	2	3	
10. Headcuts		0	<u>(1)</u>	2	3	
11. Grade controls		0	0.5	(1)	1.5	
12. Natural valley or drainageway		0	0.5	$\frac{1}{1}$	1.5	
Second or greater order channel on <u>existing</u> USGS or NRCS map or other documented		No =0			Yes = 3	
evidence. a Man-made ditches are not rated; see discu	resions in manus	al				
	13310113 111 111101101	ai .				
B. Hydrology (Subtotal = 2.5	_)					
14. Groundwater flow/discharge		0	11	2	3	
15. Water in channel and > 48 hrs since		0	1	2	3	
Water in channel dry or growing s	season					
16. Leaflitter		1.5	1 0.5	(0.5)	0 1.5	
17. Sediment on plants or debris	(lines)	0	(0.5)	1	1.5	
18. Organic debris lines or piles (Wrack19. Hydric soils (redoximorphic features	······	No = 0 Yes =(1				
19. Hydric solis (redoximorphic leature:	s) present:	INO	- 0	165 -	(1.3)	
C. Biology (Subtotal = 2.5)					
20 ^b . Fibrous roots in channel		3	2	1	0	
21 ^b . Rooted plants in channel		3	2	1	0	
22. Crayfish		0	0.5	1	1.5	
23. Bivalves		0	1	2	3	
24. Fish		1	0.5	1	1.5	
25. Amphibians		8	0.5	1	1.5	
26. Macrobenthos (note diversity and abu	ndance)	0	0.5	1	1.5	
27. Filamentous algae; periphyton	,	Ø	1	2	3	
28. Iron oxidizing bacteria/fungus.		0	0.5	1	1.5	
29 b. Wetland plants in streambed		FAC = (0.5) FAC	CW = 0.75; OB	L = 1.5 SAV = 2.	0; Other = 0	
b Items 20 and 21 focus on the presence of	upland plants, l	tem 29 focuses on	the presence of a	quatic or wetland pla	ints.	
			Sketch:			
Notes: (use back side of this form for addition	onal notes.)		GREIGH.			

Date: 10/11/07 Pr	oject: C	looper S/D	Latit	ude: <i>35.752</i> 3	5086°N
Date: 10/11/07 Pr Evaluator: Jennifer Burdette Si	te: #	6	Long	jitude: 7 <i>9. 0</i> 7	18966°W
		Chatham	ington		
A. Geomorphology (Subtotal = 6)	Absent	Weak	Moderate	Strong
1ª. Continuous bed and bank	/	0	(1)	2	3
2. Sinuosity		0	1	(2)	3
3. In-channel structure: riffle-pool sequence	e	0	1	2	3
4. Soil texture or stream substrate sorting		0	D	2	3
5. Active/relic floodplain		0	1	2	3
6. Depositional bars or benches		0	1	2	3
7. Braided channel		0	1	2	3
8. Recent alluvial deposits		0	1	2	3
9 a Natural levees		0	1,	2	3
10. Headcuts		<i>(</i> *)	(1)	2	3
11. Grade controls		0	0.5	1	1.5
12. Natural valley or drainageway		0	(0.5)	1	1.5
 Second or greater order channel on exi USGS or NRCS map or other docume evidence. 		No	=0	Yes =	= 3
^a Man-made ditches are not rated; see discussio	ns in manu	 al			
B. Hydrology (Subtotal = 3					
14. Groundwater flow/discharge		O	1	2	3
15. Water in channel and > 48 hrs since ra	_	0	1	2	3
Water in channel dry or growing seas	son		4	(0.5)	
16. Leaflitter		1.5	0.5	0.5	0
17. Sediment on plants or debris			0.5	(1)	1.5 1.5
18. Organic debris lines or piles (Wrack line19. Hydric soils (redoximorphic features) pr		0	= 0	Yes	
19. Hydric soils (redoximorphic leatures) pr	esent	INU	_ 0	162 -	(1.9)
C. Biology (Subtotal = 2.5)					
20 ^b . Fibrous roots in channel		3	2	1	0
21 ^b . Rooted plants in channel		3	2	1	0
22. Crayfish		0	0.5	1	1.5
23. Bivalves		0	1	2	3
24. Fish		0	0.5	1	1.5
25. Amphibians		0	0.5	1	1.5
26. Macrobenthos (note diversity and abundar	nce)	Ø	0.5	1	1.5
27. Filamentous algae; periphyton		Ø	1	2	3
28. Iron oxidizing bacteria/fungus.		0_	0.5	1,	1.5
29 ^b . Wetland plants in streambed				L = 1.5 SAV = 2.	
b Items 20 and 21 focus on the presence of upla	and plants,	Item 29 focuses on	the presence of a	quatic or wetland pla	ints.
Notes: (use back side of this form for additional	notes.)		Sketch:		

Date: 10/11/07	Project: (Tooper S/	D Latit	ude: <i>3</i> 5 .752	2847°N
Date: 10/11/07 Evaluator: Jennifer Burdette	Site: #7	,	Long	jitude: 79. 075	54228°W
Total Points: Stream is at least intermittent 16.5 if ≥ 19 or perennial if ≥ 30					
A. Geomorphology (Subtotal = //	0.5	Absent	Weak	Moderate	Strong
1 ^a . Continuous bed and bank		0	1	(2)	3
2. Sinuosity		0	1	(2)	3
3. In-channel structure: riffle-pool seque	ence	0	1	€ (2)	3
4. Soil texture or stream substrate sorti	ng	0	1	2	3
5. Active/relic floodplain		0	1	2	3
6. Depositional bars or benches		(a)	1	2	3
7. Braided channel		0	1	2	3
8. Recent alluvial deposits		0	1	2	3
9 ^a Natural levees		0	1	2	3
10. Headcuts		0	1	2	3
11. Grade controls		0	0.5	1	1.5
12. Natural valley or drainageway		0	(0.5)	1	1.5
 Second or greater order channel on USGS or NRCS map or other docu evidence. 		No	€	Yes = 3	
B. Hydrology (Subtotal = 3	_)		1	2	2
14. Groundwater flow/discharge15. Water in channel and > 48 hrs since	roin or	<u> </u>	1	2	3
Water in channel dry or growing s		0	1	2	3
16. Leaflitter		1.5	1	0.5	0
17. Sediment on plants or debris		0	(0.5)	1	1.5
18. Organic debris lines or piles (Wrack	lines)	0	0.5	1	1.5
19. Hydric soils (redoximorphic features) present?	No = 0		Yes =	(1.5)
C. Biology (Subtotal = 3			_		
20 ^b . Fibrous roots in channel		3	2	1	<u> </u>
21 ^b . Rooted plants in channel		(3)	2	1	0
22. Crayfish			0.5	1	1.5
23. Bivalves		Q	1	2	3
24. Fish			0.5	1	1.5
25. Amphibians		0	0.5	1	1.5
26. Macrobenthos (note diversity and abur	ndance)		0.5	1	1.5
27. Filamentous algae; periphyton		- Q	1	2	3
28. Iron oxidizing bacteria/fungus.		<u>(y</u>	0.5	1 - 15 - 00/- 0	1.5
29 b. Wetland plants in streambed b Items 20 and 21 focus on the presence of	unland al4-			L = 1.5 SAV = 2.0	
Notes: (use back side of this form for addition		item 29 locuses on	Sketch:	quatic or wettand pla	nts.

Date: /0/// /07	Project:	poper SI	/ Latite	ude: <i>35</i> .752	4397°N	
Date: 10/11/07 Project: Cooper S/D Latitude: 35.7524397°N Evaluator: Jennifer BurdetteSite: #8 Longitude: 79.0757386°N Total Points: County: 04.11 Other					57386°W	
Total Points: Stream is at least intermittent if ≥ 19 or perennial if ≥ 30	County:	hatham	Othe e.g. Q	r Juad Name: Far	rington	
	7					
A. Geomorphology (Subtotal =		Absent	Weak	Moderate	Strong	
1 ^a . Continuous bed and bank		0	<u>Q</u>	2	3	
2. Sinuosity		0	O	2	3	
3. In-channel structure: riffle-pool sequ	ence	0	Q _	2	3	
4. Soil texture or stream substrate sorti	ng	0	(1)	2	3	
5. Active/relic floodplain		Q	1	2	3	
6. Depositional bars or benches		<i>Ø</i>	1	2	3	
7. Braided channel		O	1	2	3	
8. Recent alluvial deposits		0	1	2	3	
9 ^a Natural levees		0	1	2	3	
10. Headcuts		0	1	2	3	
11. Grade controls		0	0.5	(1)	1.5	
12. Natural valley or drainageway		0	0.5	1	1.5	
13. Second or greater order channel on USGS or NRCS map or other docuevidence.		No	1	Yes	= 3	
B. Hydrology (Subtotal = 3)		1	2	3	
14. Groundwater flow/discharge15. Water in channel and > 48 hrs since	rain or	<u> </u>	1			
Water in channel dry or growing s		0	1	2	3	
16. Leaflitter		1.5	(1)	0.5	0	
17. Sediment on plants or debris		<u> </u>	0.5	1	1.5	
18. Organic debris lines or piles (Wrack		0	0.5	1	1.5	
19. Hydric soils (redoximorphic features	s) present?	No	= 0	Yes =	=(1.5)	
C. Biology (Subtotal = 2.5						
20 ^b . Fibrous roots in channel		3	2	1	(b)	
21 ^b . Rooted plants in channel		3	(2)	1	0	
22. Crayfish		0	0.5	1	1.5	
23. Bivalves		Ø	1	2	3	
24. Fish		Ø	0.5	1	1.5	
25. Amphibians		0	0.5	1	1.5	
26. Macrobenthos (note diversity and abu	ndance)	0	0.5	1	1.5	
27. Filamentous algae; periphyton		0	1	2	3	
28. Iron oxidizing bacteria/fungus.		0	0.5	1	1.5	
29 b. Wetland plants in streambed		$FAC = \emptyset.5$; FA	CW = 0.75; OB	L = 1.5 SAV = 2	0; Other = 0	
b Items 20 and 21 focus on the presence of	upland plants,	Item 29 focuses on	the presence of a	quatic or wetland pla	ants.	
Notes: (use back side of this form for addition	onal notes.)		Sketch:			

Date: 10/11 /07	Project: C	ooper 5/D	Latitu	de: <i>35.753</i>	30/0°N	
Date: 10/11/07 Evaluator: Jennifer Burdette	Longi	tude: 79. 076	3911°W			
Total Points: Stream is at least intermittent $/5$ if \geq 19 or perennial if \geq 30	County: (chatham	Other e.g. Qu	Other e.g. Quad Name: Farringfon		
	0					
A. Geomorphology (Subtotal =	8	Absent	Weak	Moderate	Strong	
1 ^a . Continuous bed and bank		0	1	<u> </u>	3	
2. Sinuosity		0	1	0	3	
3. In-channel structure: riffle-pool sequ		0	←_①	2	3	
Soil texture or stream substrate sort	ing	0		2	3	
Active/relic floodplain		<u> </u>	1	2 -	3	
6. Depositional bars or benches			1	2	3	
7. Braided channel		<u> </u>	1	2	3	
Recent alluvial deposits		Q	1	2	3	
9 ^a Natural levees		9	1	2	3	
10. Headcuts		0	1	2	3	
11. Grade controls		0	0.5	1	1.5	
12. Natural valley or drainageway		0	0.5	(1)	1.5	
Second or greater order channel on <u>existing</u> USGS or NRCS map or other documented evidence.		No = ① Yes = 3		= 3		
^a Man-made ditches are not rated; see disc	ussions in manu	al				
1/						
B. Hydrology (Subtotal = $\frac{4.5}{}$)					
14. Groundwater flow/discharge		O	1	2	3	
15. Water in channel and > 48 hrs sinc Water in channel dry or growing		0	1	2	3	
16. Leaflitter		1.5	<u> </u>	0.5	0	
17. Sediment on plants or debris		0	0.5	D	1.5	
18. Organic debris lines or piles (Wrac		0 0.5		a	1.5	
19. Hydric soils (redoximorphic feature	s) present?	No	= 0	Yes =	=(1.5)	
C. Biology (Subtotal = 2.5	١					
20 ^b . Fibrous roots in channel	/	3	2	1	0	
21 ^b . Rooted plants in channel		3	<u></u>	1	0	
22. Crayfish		0	0.5	1	1.5	
23. Bivalves		Ŏ	1	2	3	
24. Fish		6	0.5	1	1.5	
25. Amphibians		0	0.5	1	1.5	
26. Macrobenthos (note diversity and abu	indance)	0	0.5	1	1.5	
27. Filamentous algae; periphyton		<u> </u>	1	2	3	
28. Iron oxidizing bacteria/fungus.		0	0.5	1	1.5	
29 b. Wetland plants in streambed		_		= 1.5 SAV = 2		
b Items 20 and 21 focus on the presence o	f upland plants.					
Notes: (use back side of this form for additi			Sketch:	'		
						

North Calonna Division of Water Quar	ity – Stream ide	nuncauon F	omi, versio	n 3.1	
Date: 10/11/07 Project: Evaluator: Jennifer Burdette Site: #	Cooper S/	<i>D</i> Latit	ude: <i>35.75</i> 4	5413°N	
Evaluator: Jennifer Burdette Site: #	10	Long	gitude: 79.07	6 5805°W	
Total Points: Stream is at least intermittent 14,5 if ≥ 19 or perennial if ≥ 30 County: Chatham Other e.g. Quad Name: Farning to					
A. Geomorphology (Subtotal = 6.5	Absent	Weak	Moderate	Strong	
1 ^a . Continuous bed and bank	0	0	2	3	
2. Sinuosity	0	Ø	2	3	
In-channel structure: riffle-pool sequence	0	0	2	3	
Soil texture or stream substrate sorting	0	40	2	3	
5. Active/relic floodplain	()	1	2	3	
Depositional bars or benches	Ø	1	2	3	
7. Braided channel	0	1	2	3	
8. Recent alluvial deposits	0	1	2	3	
9 a Natural levees	6	1	2	3	
10. Headcuts	0	(1)	2	3	
11. Grade controls	0	0.5	1	1.5	
12. Natural valley or drainageway	0	(0.5)	1	1.5	
 Second or greater order channel on <u>existing</u> USGS or NRCS map or other documented evidence. 	No	No =0 Yes = 3			
B. Hydrology (Subtotal = 3.5)					
14. Groundwater flow/discharge	(9)	1	2	3	
 Water in channel and > 48 hrs since rain, or Water in channel dry or growing season 	0	1	2	3	
16. Leaflitter	1.5	1	(0.5)	0	
17. Sediment on plants or debris	0	< (0.5)	1	1.5	
18. Organic debris lines or piles (Wrack lines)	0	0.5	(D)	1.5	
19. Hydric soils (redoximorphic features) present?	No	No = 0		Yes = (1.5)	
C. Biology (Subtotal = <u>4.5</u>)					
20 ^b . Fibrous roots in channel	3	<u> </u>	1	0	
21 ^b . Rooted plants in channel	3	2	1	0	
22. Crayfish	0	0.5	1	1.5	
23. Bivalves	0	1	2	3	
24. Fish	0	0.5	1	1.5	
25. Amphibians	0	0.5	1	1.5	
26. Macrobenthos (note diversity and abundance)	0	0.5	1	1.5	
27. Filamentous algae; periphyton	(7)	1	2	3	
28. Iron oxidizing bacteria/fungus.	Ø_	0.5	1	1.5	
29 b. Wetland plants in streambed	FAC =(0.5) FA	CW = 0.75; OB	L = 1.5 SAV = 2.0	0; Other = 0	
b Items 20 and 21 focus on the presence of upland plant	ts, Item 29 focuses on	the presence of a	quatic or wetland pla	nts.	
Notes: (use back side of this form for additional notes.)		Sketch:			