STREAM HABITAT WALK

Stream Name:		
County:	State:	
Site (description):		
	Longitude:	
Latitude:		

Weather in past 24 hours: Storm (heavy rain) Rain (steady rain) Rain (steady rain) Showers (intermittent rain) Covercast Clear/Sunny Weather now: Storm (heavy rain) Rain (steady rain) Rain (steady rain) Cheavy rain) Rain (steady rain) Cheavy rain) Rain (steady rain) Cheavy rain) Clear/Sunny



PHYSICAL CHARACTERIZATION

In-Stream Characteristics

4	Check which stream habitats a	procent									
٠.	(You can check more than 1 habitat)	re present.		Page 48	9.			epth of run(s):			Page 50
		θ Run(s)				θ <	1 ft	θ 1-2 ft	9 > 21	ft	
	Trool(s) & Kille(s)	0 Kuli(S)						epth of pool(s):			
2.	Nature of particles in the stream	n bottom at sit	:e	Page 48		θ <	1 ft	θ 1-2 ft	9 > 21	ft	
		None/Little	Some	Most	10.	Approximate	widt	h of stream channel:			Page 50
	Silt/Clay/Mud					fe	eet	θ measured θ estimates	ted		
	Sand (up to 0.1" in diam.)				11.	Stream velo	city:	ft/sec.			Page 50
	Gravel (0.1 - 2" in diam.)				42	Looking upo	- -	(100 vdo) pick the deer	-intio	a that	
	Cobbles (2 - 10" in diam.)				12.			i (100 yds.), pick the desc o of the stream bank and			Page 50
	Boulders (over 10" in diam.)					(a) Stream b	-			u	
	Bedrock (solid)					Left	aiin.		Diabt		
						Leπ θ	\	ertical/undercut	Right θ		
3.	Pick the category that best des	cribes the exte	ent to	Page 49		θ		Steeply sloping (> 30°)	θ		
	which gravel, cobbles, and bou bottom are embedded (sunk) in	ilders on the si silt. sand. or i	tream mud.			θ		Gradual/no slope (< 30°)	θ		
	θ Somewhat/not embedded (0			od (75%)		(b) Extent of	artific	cial bank modifications:			
	,	•	, ,		Left			Right			
	θ Halfway embedded (50%)	θ Comp	letely emb	edded (100%)		θ	F	Sank 0-25% covered	θ		
4.	Presence of logs or large wood	ly debris in str	eam:	Page 49		$\overset{\circ}{\theta}$		Sank 25-50% covered	θ		
	θ None θ Occasi	onal θI	Plentiful	1 ago 10		θ	Е	Sank 50-75% covered	θ		
_	December of materially accounts		-1-1	Dana 40		θ	E	Sank 75-100% covered	θ		
Э.	Presence of naturally-occurring (i.e., leaves and twigs, etc.) in s		riai	Page 49		(c) Shape of	the c	hannel:			
	θ None θ Occasi	onal θI	Plentiful					θ , deep θ Wide,			
_	10/sts= s==s==s==					θΝ	larrow	θ , shallow θ Wide,	shallov	V	
ъ.	Water appearance:		_	Page 49	13.	Looking ups	tream	(100 yds.), describe the			Page 51
	θ Clearθ Light bθ Dark b		Orange Greenish		_			Check "1" if present, "2"	" if cor	nmon	1 ago o 1
	θ Foamy θ Oilysh		oreenish Other ——			(a) Along wa	ter's	edge and stream bank or	ıly:		
	θ Turbid	00		_		Lei			Rig	ht	
_	Water adam					1	2		1	2	
7.	Water odor:			Page 50		θ	θ	Trees	θ	θ	
	θ Sewage θ Fishy θ Chlorine θ Rotten		None Other ——			θ	θ	Bushes, shrubs	θ	θ	
		eggs ac	Julei ——			θ	θ	Tall grasses, ferns, etc.	θ	θ	
8.	Water temperature:			Page 50		θ	θ	Lawn	θ	θ	
	°C ø	r	۰F			θ	θ	Boulders/rocks	θ	θ	
						θ	θ	Gravel/sand	θ	θ	
						θ	θ	Bare soil	θ	θ	
						θ	θ	Pavement, structures	θ	θ	

Streambank and Channel Characteristics

	Left						ight	Right					ocal Watershed Characteristics	
		1	2			1	2				(with	in ab	out 1/4 mile of the site; adjacent and up	stream)
		θ	θ	Trees		θ	θ				•		, ,	,
		θ	θ	Bushes, shri	ubs	θ	θ			16.	. Land	uses i	n the local watershed can potentially have	Page 5
		θ	θ	Tall grasses	, ferns, etc.	θ	θ						n a stream. Check "1" if present, "2" if	1 age 3
		θ	θ	Lawn		θ	θ				clearly	/ havii	ng an impact on the stream.	
		θ	θ	Boulders/roo	ks	θ	θ							
		θ	θ	Gravel/sand		θ	θ				1	2	Residential	
		θ	θ	Bare soil		θ	θ				θ	θ	Single-family housing	
		θ	θ	Pavement, s	tructures	θ	θ				θ	θ	Multifamily housing	
										_	θ	θ	Lawns	
				nt best describ ndes the strea				Р	age 52]	θ	θ	Commercial/institutional	
θ 0	%	θ	25%	θ 50%	θ 75%	θ	100%				1	2	Roads, etc.	
								_		,	θ	θ	Paved roads or bridges	
				ote general co severe proble			k	Р	age 52]	θ	θ	Unpaved roads	
	eft							R	ight		1	2	Construction underway on:	
1	2	Stre	am Ba	anks				1	2		θ	θ	Housing development	
θ	θ				cover deara	aded		θ	θ		θ	θ	Commercial development	
θ					θ	θ		θ	θ	Road bridge construction/repair				
θ	θ	Garbage/junk adjacent to the stream				θ	θ				·			
θ	θ Foam or sheen on bank			θ	θ		1	2	Agricultural					
											θ	θ	Grazing land	
1	2	Stre	am Ch	nannel				1	2		θ	θ	Feeding lots or animal holding areas	
θ	$\begin{array}{ll} \theta & \theta & \text{Mud, silt, or sand in or entering the stream} \\ \theta & \theta & \text{Garbage/junk in the stream} \end{array}$				θ	θ		θ	θ	Cropland				
θ					θ	θ		θ	θ	Inactive agricultural land/fields				
1	2	Oth	er					1	2		1	2	Recreation	
θ	θ			e on bank (gra				θ	θ		θ	θ	Power boating	
θ	θ			n or with unres		ess to	stream	θ	θ		θ	θ	Golfing	
θ	θ		-	scharging pipe				θ	θ		θ	θ	Camping	
θ	θ			(s) entering the				θ	θ		θ	θ	Swimming/fishing/canoeing	
θ	θ	Ditc	hes en	tering the strea	am			θ	θ		θ	θ	Hiking/paths	
											1	2	Other	
											θ	θ	Mining or gravel pits	
											θ	θ	Logging	
											θ	θ	Industry	
											θ	θ	Oil and gas drilling	
										1	θ	θ	Trash dump	

BIOLOGICAL CHARACTERIZATION

VISUAL BIOLOGICAL SURVEY Page 53 17. Wildlife in or around the stream? (Mark all that apply) θ Amphibians θ Waterfowl θ Reptiles θ Mammals 18. Fish in the stream? (Mark all that apply) Page 53 θ Νο θ Yes, but rare θ Yes, abundant θ Small (1-2 in.) θ Medium (3-6 in.) θ Large (7 in. and above) Are there any barriers to fish movement? θ Beaver dams θ Waterfalls > 1' θ None θ Road barriers θ Dams θ Other **19. Aquatic plants in the stream.** (Mark all that apply) Page 53 θ Occasional θ Plentiful θ None θ Attached θ Free-floating θ Stream margin θ Pools θ Near riffle **20. Extent of algae in the stream.** (Mark all that apply) Page 53 (a) Are the submerged stones, twigs, or other material in the stream coated with a layer of algal "slime"? θ None θ Occasional θ Plentiful θ Light coating θ Heavy coating θ Brownish θ Greenish θ Other _____ (b) Are there any filamentous (string-like) algae? θ None θ Occasional θ Plentiful θ Brownish θ Greenish θ Other_ (c) Are any detached "clumps" or "mats" of algae floating on the water's surface?

θ Occasional

θ Greenish

θ Plentiful

θ Other

θ None

θ Brownish

MACROINVERTEBRATE SURVEY (Optional)

21. If macroinvertebrates were collected from the stream bottom, which type of method/habitat was selected?

Page 53

θ Rock-rubbing method: From cobbles and large stones selected

from riffles.

 θ Stick-picking method: From woody objects in streams with sandy,

silty bottoms.

 θ Leaf-pack sorting method: From submerged leaves in streams with

either a rocky or sandy, silty bottom.

22. Are macroinvertebrates present?

Page 54

 θ No θ Yes, but rare

θ Yes, abundant

23. If present, describe the types of macroinvertebrates found.

Page 54

(Mark all that apply)

Wormlike

θ Occasional

θ Plentiful

Snails/clamlike

θ Occasional

θ Plentiful

Insects

θ Occasional

θ Plentiful

Crayfish

θ Occasional

θ Plentiful

COMMENTS: (Note changes or potential problems such as spills, new construction, type of discharging pipes)