	State Site							te ID_	ID Mussel Survey and				d Habitat Data Sheet pg _of _							
Mater Temp:   GPS point?   Y   N   Y:	Date:							Ob	Observers (years of experience):				ce):	Time arrived at bridge site						
Sky Code:   Random Distance?						GPS point? X:					Observers (years of experience):				/ -					
Time mussel survey end   Time departing from site	water remp.				YN															
Netted Width (m)	Sky Co	de:														Time mussel survey end				
The image   The																Time departing from site				
US: US: DS: DS: DS:   State	Wetted	Wid	lth (m)	)						M						Access Visibility > 1 m		Y N		
2. DS: DS: Notes  RR: RR: RR: RL:    Notes	1.					nk 1					Riffle		Run Po		ool	Measured Length of Stream Su		eam Sur	vey (m)	
RR: RR: RL: Substrate    Depth   Substrate   (measurement of particle taken at each depth measurement using the substrate size class codes)   Poo	_																			
Lane Habitat Survey    Depth								DS:												
Lane Habitat Survey    Depth   Substrate   (neasurement of particle taken at each depth measurement using the substrate size class codes)   Power of the transect)   Power of transect of the	3.				RR: RR:				<u>No</u>	<u>Notes</u>										
Depth (5 spaced measurements including the min and max at the center of the transect)    Substrate (measurement of particle taken at each depth measurement using the substrate size class codes)   Substrate (measurement using the substrate (measurement using the substrate size class codes)   Substrate (measurement using the substrate (measurement using the substrate size class codes)   Substrate (measurement using the substrat				R	RL: RL:															
(5 spaced measurements including the min and max at the center of the transect)    Separate   Code	Lane Habitat Survey																			
at the center of the transect)  at the center of the transect of the transect of the center of the transect of the transect of the center of the transect of the center of the transect of the transect of the center of the transect of the center of the transect of the center							D	epth					Substra	te		17	~at=4':-	. 0/		
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1	at the					center	of the tr	ansect)		·				_	Code			m lengt	ty C	
1							substrate size class codes)				i)				W Q II.5	loci				
1	nitials)														ent	nt		.arge	n Ve	
1	ane #			1	1 2 3 4 5		5	Min Max	1	2	3	4 5	merg	Algae	Coun	rear				
1 2 3 4 5 5 6 7 8 9 9 10 9 10 9 10 Sky Code: Do not conduct surveys if sky codes are above 5.  Sky Code: Sky Condition  O Clear or few clouds (< 20% of sky)  Substrate Size Class Codes  Figh 2	L Obser															Sub	En			St
3   4   5   5   6   7   8   9   10   10   10   10   10   10   10	1																			
4   5   6   7   8   9   10   Sky Code: Do not conduct surveys if sky codes are above 5.  Code Sky Condition 0 Clear or few clouds (< 20% of sky) 1 Partly cloudy or variable (20-50% of sky) 1 Partly cloudy or variable (20-50% of sky)  EPA)  Substrate Size Class Codes (EPA)  The code used to describe the general stream velocity of the lane that has been surveyed. It is understood that the lane may include multiple mesohabite	2																			
5 6 7 8 9 10 Sky Code: Do not conduct surveys if sky codes are above 5. Code Sky Condition 0 Clear or few clouds (< 20% of sky) 1 Partly cloudy or variable (20-50% of sky)  Partly cloudy or variable (20-50% of sky)  (EPA)  Substrate Size Class Codes (EPA)  The code used to describe the general stream velocity of the lane that has been surveyed. It is understood that the lane may include multiple mesohabits	3																			
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	1 Partly cloudy or variable (20-50% of sky)							(EPA)	bee				been sur	een surveyed. It is understood that the lane may include multiple mesohabitat						
3 Fog RR = Bedrock (Rough) - larger than a car	3 Fog 4 Mist								R = Bedrock (Shooth) - larger than a car				**							
5 Showers or light rain RC = Concrete/Asphalt 1. Still water, low velocity, smooth, glassy surface, usually	5 Showers or light rain RC							= Concrete/Aspirant					Still water; low velocity; smooth, glassy surface; usually ep compared to other parts of the channel							
SB = Small boulder (250-1000mm) - basketball to meterstick 2. We tan maying clavely with smooth unbroken surfaces	SB SB						SB = Small I	B = Small boulder (250-1000mm) - basketball to meterstick				-								
$\overline{1 = 0\%}$ $\overline{S = Snorkel}$ $\overline{GC = Coarse grave (16-64mm) \cdot marble to tennis ball}$ low turbulence	1 = 0% $S = Snorkel$					GC = Coars	B = Cobble (64-250mm) - tennis ball to basketball C = Coarse grave (16-64mm) - marble to tennis ball low				low tu									
2 = 1-5%  B = Bucket Viewer  GF = Fine gravel (2-16mm) - ladybug to marble SA = Sand (0.06-2mm) - gritty - up to ladybug size  3: Water moving, with small ripples, waves, and eddies;	2 = 1-5% B = Bucke				ket V				= Sand (0.06-2mm) - gritty - up to ladybug size				_	=						
	3 = 5-15% 4 = 15-25%				O = other or mix; explain FN					= Silt / clay / muck - not gritty surfa				surface	e tension is n	ot broken	; "babbling"	or "gurgli	ng″ sound.	
$\begin{array}{c c} 4 = 15 - 25\% & \text{in notes} \\ 5 = > 25\% & \text{or = Other} \end{array}$	4 = 15-25% 5 = >25%				in notes				_	-										

<u>Site description and diagram</u> – This space can be used to draw a diagram (with description) of the stream site that illustrates features that may be important and noteworthy for Brook Floater. It may be helpful to
site that illustrates features that may be important and noteworthy for Brook Floater. It may be helpful to
label upstream/downstream, riffles, runs, pools and tributary junctions.

State	Wate	ershed_		Site	ID	<b>Date</b>		Pg of	
	Mussel Surv	vey (includ	es target, non-	target and non-	Brook Floater Shells Present? #				
ane#	Species	Sex	Length	Height	Abundance Category <sup>1</sup>	Shell Condition <sup>2</sup>	NOTES (e.g. an	omalies or deformities)	
						+			
		10.45.5	70 70 777		le count mussels plac	1			

<sup>&</sup>lt;sup>2</sup>Shell Condition –This is a measure of the general shell condition of the mussel, taking into account any erosion of the periostracum, especially near the umbo. The index ranges from 1 (Light to no erosion) to 5 (heavily eroded).

Code	1	2	3	4	5
Description	Light	Light-Medium	Medium	Medium-Heavy	Heavy
% periostracum eroded	<10	<20	<30	<40	>40
		100			
					72

