## Appendix 1

This appendix contains the data cards developed by the Coastal First Nations — Great Bear Initiative for stream assessments by First Nations stewardship staff as part of their Regional Monitoring System stream assessment program. The cards include a Stream Transect card, Stream Assessment card, Stream Visit card, and Spawner Survey card.

Stream Tr	ansect		Stream	Name:			Re	ach #		Entered in DMS:			
Transect #	Location (m)	BF wid	lth (m)	Wet width (n	n)	BF de	pth (cm)	Max depth	(cm)	Habitat type			
										□pool □log jan			
Canopy closur	re (m)		Moss on	rocks			Undercu	t bank?		□glide □other:			
Left:	Right:		□little/no □frequer			I	Left: □Y □N		⊒Yes ⊒No				
Pebble size: int axis (cm)													
Transect #	Location (m)	BF wid	lth (m)	Wet width (n	n)	BF de	pth (cm)	Max depth	(cm)	Hab	itat ty	/pe	
										□pool □log jam □riffle □cascade			
Canopy closu	re (m)		Moss on	rocks			Undercu	t bank?		□gl	ide	□othe	er:
Left:	Right:		□little/no □frequer			I	Left: □Y □N		⊒Yes ⊒No				
Pebble size: int axis (cm)													
Transect #	Location (m)	BF wid	lth (m)	Wet width (n	n)	BF de	pth (cm)	Max depth	(cm)	Hab	itat ty	/pe	
										□po		□log j □cas	
Canopy closu	re (m)	Moss on rocks				Undercut bank?				□ glide □other:			
Left:	Right:		□little/no □frequer			I	Left: □Y □N		∃Yes ∃No				
Pebble size: int axis (cm)													

Fig. A1.1 – The Stream transect card used to record stream characteristics at multiple cross-sectional transects within a reach.

Stream	AS	sessme	III (SIC	ie 1) L	Date:			Ent	ered in DMS:			
Stream nar	me		Lo	ocation description				Latitude and longitude at	mouth			
Previously	asse	ssed?	Se	ection assessed (e	.g., who	le creek, to	o falls)	Access notes (to assist future surveys)				
□yes □n	o 🗆	don't know										
Reach #	Read	ch start (lar	ndmark	3)			Reach	start (lat/long)				
BF width (r	n)	Wet width	n (m)	Reach length (10	0xBF)	Gradient	(%)	Habitat sequence	Logging?			
# cover-LW	VD		# pool	l-LWD	Rep L	WD W x L	(m)	□riffle-pool □step-pool □cascade-pool	□first growth □older 2 <sup>nd</sup> growth □recently logged			
								□large channel	, 50			
Main tree s	specie	es			Main s	ain shrub/herb species						
1:			3:	:		1:		3:	5:			
2:					2:			4:	6:			
Comments	and	observatio	ns (incl	lude location, desc	ription, a	and photo	number	s as appropriate)				

Fig. A1.2 – Side 1 of the Stream Assessment card used to record reach-level characteristics at each stream site.

<b>Stream</b>	<b>Assessment</b>	(side 2)
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POOLS										
Pool #	Length (m)	Width (m)	Tail depth (cm)	Max depth (cm)	Pool #	Length (m)	Width (m)	Tail de (cm)	pth	Max depth (cm)
·										
							_			
□ CULTURAL FEATURES (e.g., CMT, midden, fish weir, medicinal plants), □ SALMON BARRIERS (e.g., falls, landslide, log jam, dam, culvert) □ OTHER FEATURES (e.g., tributaries, multiple channels, extensive bars, islands)										
Type of fe	ature or barrie	r Location	n (lat/long, desc	с) Г	Detailed descr	ription of featur	e or barrier		Pho	to number(s)

Entered in DMS:\_\_\_

Fig.  $A1.3 - Side\ 2$  of the Stream Assessment card.

Stream Visit (v. 2)	Date:	Entered in DMS:
Oti Caiii Viole (v. 2)	Date.	Littered in Divio.

Time		Stream name		Section visite	ed		Other stream s	surve	eys today?	?		
							□Habitat Asse	ess	□Spawne	er [	□Logging	
Stream	n discharge	Turbidity	Colour not	е	Observed fish s	pecies			# Adult		# Juv	
	(0-30%)		□tea □silty		1.							
	(>90%)	□mod. turbid □turbid	□muddy □other:		2.							
		Litarbia	Doller.		3.					Substrate em		
Locati	on of width/c	lepth measurement	s (lat/long &	desc)	Wetted width	(m)	Max depth (cn	n)	Substrat	strate embed (		
Test	Reach #	Test location (lat/lo	Test location (lat/long, desc, or transect #)				Co	Cond (µS/cm)		DC	O (mg/L)	
1												
2												
3												
Туре	of equipment	used for water qua	lity measure	ments								
Wildlif	e signs (inclu	ude type of sign, typ	e of animal,	location, and	photo numbers)							
ł											□Photos	

Fig. A1.4 – The Stream Visit card, which is to be used along with the Stream Assessment card and Stream Transect card, or individually if time does not permit a full assessment.

Spawner	Survey	(v. 2)	Dat	:e:			_		Entered in	DMS:		
Start time	Stop time		DFO Area		Stream	n name		Obser	ver(s)			
Target species	S	Inspe	ection mode		Section	n inspected		Fish di	istribution			
□coho □	Ichinook Iother	□str □bnl □hel □pla	kwlk □sno li □feno	orkel ce								
Start boundary	y					Stop bound	dary				Distance ins	pec'd
Desc:						Desc:	Desc:					
Coord:						Coord:						(m)
Brightness	Prec type	F	Prec intens	Wind	ly Wa	ater temp	Bankfull		Colour		Stream visib	ility
□full □bright □medium □dark	□none □rain □snow		⊒light ⊒medium ⊒heavy	□yes □no	6	(°C)	□extremel □below no □normal □above no □flood	ormal	□clear □tea □silty □muddy □slightly t	□iced □other	□low □medium □high	
Rationale for I	Estimated A	dult L	_ive									
Unusual Cond	litions											
											□Р	Photos
General Comr	ments											
												Photos

Fig. A1.5 – The Spawner Survey card, which is to be used to collect information on spawning salmon.