Alt. Station BON 001 Ε Gear abbreviations please see FOCI Field Manual for Gear abbreviations **Total** 8:36 Q Samples Collected circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable) circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable) fish removed Y/N Tow Time fish removed Y / Tow Time at depth 2 other haul in _ mess. net 1_ TSG VideoNet | mess. net 2 mess. net 0 XBT at depth Shrink haul in mess. net 1 **RCountL** Total 320 MZ **Bottom Depth** for 5 please see FOCI Field Manual 10 Ĭ Database scientist 3.5. MLong 80 final rev. ちょうちょ F816 Flowmeter meter # 3 / 0 7 Flowmeter meter # 899 ((e.g. HJ45 or FOX058) RCountJ [final rev. 7503 intial rev. 7315 QTowS RCountE QTowF QTowS QTowF **RCountL** Shrink SSF Strip Pred **RCountE RCountJ** ScanMar Recovery Chlor Total 18 302 Total 2300 intial rev. 168 Depth FOCI Station Cruise Operations Data Entered SSM Error Checked Collected **GM-Time** DLong E E PhytoF | Pred Lugols Merist Nut Ovary PAR 90 0 L-Gut L-Hist L-Musc Merist L-Oto NetFluor EE Ε Ε Ε Ε Ε Ε Wire Out Wire Out لر Depth Depth 105 Samples GMT-Date 5-MAN 02 33, 15 JEOUT. Station M4-Cutt Haul Š ΣŽ min. min. max. min. max. J-Length L-Bioch L-Genet J-Wght J-Wght L-Gut L-Hist Live L-Oto Mesh J-0to L-Musc Mesh J-Length J-Oto L-Bioch L-Genet MLat 50.393 bottle # Ž plnksurv plnksurv juvsurv adult (explain) other (explain) juvsurv adult other gear gear Chlor BONOO Purpose Purpose ChLAM Discard J-Genet J-Gut Discard J-Genet 7 Chlor CTD Deploy EBKG **EK500** Fluor Brain CAT J-Gut grid gridpost diel gridpre grid gridpost diel gridpre (e.g. 4MF99) Net Net Depth MF02 \equiv phys drift phys drift DLat 57 Haul Comments 200 000 Ships Cruise Gear WACM FOCI Cruise (each bottle should have its own record) CTDB Bottle samples collected Sample info please record all Performance Performance lost (explain if not good) lost (explain if not good) 20 quest fail quest fail good A-Wght | poob A-Genet A-Length Asound A-Wght | Absorb A-Gut A-Oto Brain CAT ADCP A-Gut A-Oto A-Genet A-Length Gear

Alt. Station BONOO2 (658) (6.9, CTD015 or MOCOO4)	Bottom Depth 그스 m	MLong OV.303. "W		please see FOCI Field Manual for Gear abbreviations	# Tow Time Mess. net 0 at depth ~2:39 haul in mess. net 1 Total (6:43)	Samples Collected Circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	wF [fish removed Y / N		ntJ XBT	att sample	lar	ink sample	Strip Sample sample	or Nut MZ other other	bottle # × × ×	me tottle# x x x	me bottle # x x x	The bottle # × ×	FOCI Field Manual for Gear abbreviations	Tow Time	의 일 일		Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	NFfish removed Y/N	wS RCountL Shrink	
Station (e.g. HJ45 or FOX058)	me_3351	169		. 0	Flowmeter meter # 8990 final rev. 53542 intial rev. 53542	ted and NumberSample	QTowF		HCount HCount	RCountL				Depth Chlor		m volts	m volu	njoA ur	please see	Flowmeter	final rev. 3 6	Total L	ted and NumberSample	QTowF	QTowS	
Station (小年-公本) Haul FOCI Station	GMT-Date ∑∴Mayas) (e.g. 20-Mayas)	J.S.H.S. N. DLong	SEORTS	Mesh 333 um	min. Col m max. Col m Wire Out min. Om max. St. m	Samples Collected	J-Length Lugols	Š	J-wgnt Mz	L-Genet Nut			L-Oto Pred	Nut MZ other other	bottle # × × × × × × × × × × × × × × × × × ×	x x x # ##	bottle # × × ×	bottle # × ×	Mesh \53 um	Depth		min m max m	Samples Collected ProjectCode(s) (in the box) and	J-Length	J-Oto L-Hist	
Station (e.g. 4MF99)	10	57 MLat 39		Net /	Purpose gridpre plnksurv grid juvsurv gridpost adult diel gear drift other phys (explain)	ples collected PLUS fill ir	ChLAM	Chlor	Deploy	Discard	EK500	Fluor	J-Gaut	Depth Chlor	volume	m volume	volume	amulov m	Net \	Purpose		drift other phys (explain)	circle all samples collected PLUS fill in	Brain	CAT	J-Genet
FOCI Cruise	Ships Cruise MF02-(6.9. MF99-08)	DL2*	Haul Comments	Gear COBON	Performance good quest fail lost (explain if not good)	Sircle all sam	Absorb	ADCP	A-Genet	A-Length	Asound	A-Wght	Brain CAT		CTDB Bottle Sample info	please record all samples collected	(each bottle should	nave its own record)	Gear 20 BON	Performance	good quest fail	lost (explain if not good)	circle all sami	A-Genet	A-Gut	A-Oto

Ships Cruise MF02-05	(e.g. 4MF99)	GMT-E	Station MH-Wat Haul GMT-Date 6 - May 88	aul aug-og	FOCI Station	tion	5 or FOX	Alt. Station Depth	u C	CTD015 or	MOCOO4)
DLat 5五		MLat 55	5.489	N _o	DLong	169	MLong	ng 19.	293	»	
Haul Comments	010	D 27						:			
Gear COBON	Net	_	Mesh	333	un	please se	please see FOCI Field Manual	Manual fo	for Gear a	Gear abbreviations	itions
Performance good quest fail lost (explain if not good)	Purpose gridpre plu gridpost ac diel ge drift ot	pose plinksurv juvsurv adult gear other (explain)	max. max. max.	Depth N. 56 Wire Out	E E E E	Flow meter # final rev. intial rev.	Flowmeter meter # %%の meter # %% meter # %% meter final rev. 5543 / mital rev. 540/3.		Tow T mess. net 0 at depth haul in mess. net 1	Tow Time .: net 0 depth 3:\2 haul in S. net 1	0 0
ا circle all samples collected PLUS fill in	les collectec	I PLUS fill	S in ProjectC	Samples Sode(s) (in	Collected the box) and	d d NumberS	Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	the line	when ар	plicable	(6
Absorb	ChLAM		J-Length				QTowF		fish removed	/ed Y / N	~
ADCP	Chlor		J-Oto		Merist		QTows		TS	Tsg.	
A-Gut	CID		J-wgnt L-Bioch		NetFluor	<u> </u>	RCount		Videolvet		
A-Cho	Discard		L-Genet		The Sc		RCountL		sam	ple ole	
Asound	EK500		L-Hist		PAR	 	ScanMar	 	sam		
A-Wght Brain	Fluor J-Genet		Live L-Musc		PhytoF POC		Shrink SSF		sam	ple ple	
CAT	J-Gut		r-Oto		Pred	Д	Strip		sami	ple	
	Depth	Chlor	Nut	MZ other	other	Depth	Chlor	Nut	MZ	other o	other
Sample info	E E	volume	bottle #	××	×	шш	volume	bottle #	××	×××	×
prease record all samples collected	ч	volume	bottle # 1	×	>	8	volume	Lottle #	×	×	×
(each bottle should	E	volume	bottle #	×××	×	E 8	volume	bottle #	××	×	× ×
nave its own record)	1	volume	bottle #	× ×	×	8 8	volume	bottle #	×	: ×	; ×
Gear 20 BON	Net		Mesh	153	m H	please sec	please see FOCI Field Manual	Manual fo	for Gear a	Gear abbreviations	tions
Performance good	Purpose gridpre pl	ose plnksurv	min.	Depth	E	Flo meter	Flowmeter meter # 3103	E	Tow mess. net	Tow Time . net 1	
quest	grid gridpost diel	juvsurv adult gear	шах	x. ————————————————————————————————————	E #	final rev. intial rev.	निह्नम् :		at depth haul in mess. net 2	를 보고 1	
(explain if not good)	drift phys	other (explain)	min. max.		E E	Total	1261 la		Total		
circle all samp	samples collected PLUS fill in	I PLUS fill	in ProjectC	Samples Code(s) (in	Collected the box) and	d d NumberS	Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	the line	when ap	plicable	<u> </u>
A-Genet	Brain		J-Length		L-Gut		QTowF	fish	h removed	N/√ 20	
A-Gut	CAT		O-Oto		L-Hist	_ _	OTows Pred		RCountL Shrink	흑 루 디	
A-Lengun A-Oto A-Wght	J-Genet J-Gut		L-Genet		L-Oto Merist		RCountE R		same	ole ole	

Station My-Nett Haul FOCI Station (e.g. Hu45 or FOX058) Alt. Station BONOOW (e.g. Hu45 or FOX058) (e.g. Hu45 or FOX058)	e.g. MF92-05 GMT-Date 6- MAソ-02 GM-Time 으러나 Bottom Depth 국으 m	58 MLat O4.04 °N DLong \Les MLong H3.89 °W	11s CT DO28		Net Mesh 333 um please see FOCI Field Manual for Gear abbreviations	Purpose Depth Flowmeter Tow Time gridpre plnksurv min. 0 m at depth at	Samples Collected Sinch all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)		Chlor Ugols Lugols QTowF ish removed Y/N Chlor Ugols Lugols Grows TSG TSG	J-Wght MZ RCountE Vide	Discard L-Genet Nut RCount RCount Sample	L-Gut Ovary	Sc. LHist Sc.	J-Genet L-Musc POC Sample Samp	J-Gut L-Oto Pred Strip	Depth Chior Nut MZ other other Depth Chlor Nut MZ other other	m volume bottle# x x x m m volume bottle# x x x x x x x x x x x x x x x x x x x	volume bottle# x x x x	volume bottle # x x x x	m volume bottle# x x x x m m volume bottle# x x x x x x x x x x x x x x x x x x x	Mesh (Durnoco	ore plinksurv min. m meter # 3시0국 mess	ost	m	Samples Collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	Brain J-Length t-Gut QTowF fish removed Y/N	J-Oto L-Hist QTows R	Discard J-Wght L-Musc Pred Shrink	
			CT 30	2	Net 1	irpos (grand ples collected PL		Chlor Chlor	CTO .	Discard Discard	EBKG	EK500	- Genet	J-Gut		lov m	lov m	m vo	> >						L Collected PL	Brain	CAT	Discard	11110
FOCI Cruise	Ships Cruise MEOD-OF	DLat	Haul Comments.		Gear Co. DoN	Performance good quest fail lost (explain if not good)	HA circle all sam	4	Absorb ADCP	A-Genet	A-Curl A-Length	A-Oto	Asound	A-wgnt Brain	САТ		Sample info	please record all	(each bottle should	have its own record)	John Care		poob	quest fail	(explain if not good)	circle all sam	A-Genet	A-Gut	A-Length	

FOCI Cruise	(e.g. 4MF99)	Station MH· Each Haul	—————————————————————————————————————	FOCI Station		(e.g. HJ45 or FOX058)	Alt. Sta	Alt. Station BONDOS (6.9. CTD015 or MOC004)	NOO5 015 or MOC004)
Ships Cruise ME02-O	0.502-05 6.9. MF99-08)	GMT-Date (<u>o- (合い</u> -99)	(e.g. 20-May-99)	≥ GM-Time	15010	Bot	Bottom Depth	th 69	E
DLat S	5국 MLat	46.0	ω Š	DLong	168	MLong	ng 38	20	N _o
Haul Comments	CT.D029	6			i.				
Gear GO BON	Net _	<u> </u>	Mesh 33	mn E	please see	please see FOCI Field	Manual	for Gear abbi	abbreviations
Performance good quest fail lost (explain if not good)	Purpose gridpre pl gridpost ac diel ge drift ot	plnksurv juvsurv adult gear other (explain)	min. 62 Wire Ou min. 85 max.	Out E E E E	meter #	8990 5840° 58836 153	1 1 1 6	Tow Time mess. net 0 at depth 2: haul in mess. net 1 Total 6:	ime 2:36
circle all samp	Samples Collected circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	.US fill in Proj	Samples ectCode(s) (in	es Collected	I 1 NumberS	ampled (or	the line	when applic	able)
Absorb	ChLAM] ਮ	J-Length	Lugols		QTowF		fish removed	N/N
ADCP	Chlor		ę ę E	Merist		QTows T		TSG	
A-Genet	Deploy	, <u>,</u>	J-wgnt L-Bioch	MetFluor		RCount RCount		VideoNet XBT	
A-Length	Discard	<u> </u>	L-Genet	ĬIJĹ Ž		RCount [sample	
Asound	EBKG EK500		L-Gut L-Hist	Ovany PAR		Recovery L ScanMar	_ _	sample	
A-wght	Fluor		Live	PhytoF		Shrink		sample	
Brain CAT	J-Genet		L-Oto	LJL Seg II		SSF Strip	¬.	sample	
	Depth Cl	Chlor Nut	MZ	ther other	Depth	Chlor	Nut	MZ othe	er other
Sample info	lov m	tume bottle a	361 87 18	× × × ×	E E E	volume volume	bottle #	× × ×	× × ×
samples collected (each bottle should	(A)	fume bottle #	* *	× >	W S	volume	bottle #	× ×	>< >
nave its own record)	0A W	lume bottle	: 745	< ×		ходише	bottle #	< ×	×
Gear 2	Net	N	Mesh 기장	mn C	please see	FOCI Field	Manual for	Gear	abbreviations
Performance	urpo	9	Depth	'	Flov	. =	<u>`</u>	Tow Time	me .
good quest fail	gridpost a	juvsurv adult	max.	= E	final rev.	final rev. \$0339		at depth haul in	
lOSt (explain if not good)		other (explain)	min.	E E	Total) H IB		Total	
circle all samp	circle all samples collected PLUS fill in		Samples ectCode(s) (in	Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	 NumberS	ampled (or	the line	when applic	able)
A-Genet	Brain	14.	J-Length	☐ r-ent☐		QTowF	is like	ish removed	<u>ء</u> آ \
A-Gut	CAT		왕 :	L-Hist		Q Tows		RCountt Shrink	
A-Length A-Oto	Discard Discard J-Genet	, <u>;</u> ;	J-Wgnt L-Bioch	L-Musc L-Oto		Pred C RCounte C BCount		sample	
A-Wght	ן וווס-ר	<u>.</u>	L-Genet	Metror		- Countries -	-	Occupant.	

FOCI Cruise (e.g. 4MF99) Ships Cruise (h.g. MF99-08) (e.g. MF99-08)	(e.g. 4MF99) (e.g. MF99-08) 5 b	_ S ₩	Station MA-EASTHaul GMT-Date OA-MAY- (e.g. 20-May-39)	THaul	ror Ch	FOCI Station GM-Time	لا الا	Sor FOX	Bottom Depth	ition B	Alt. Station BONOO3 (e.g. CTDOIS or MOCOO4) om Depth (o) m	
t a a	7.30 VET	9	3 8	METER	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Smovs	9	70 80	- m 2	1 07 7 1	Thalassiothinix	9 m
Performance good quest fail lost (explain if not good)	Net Pur gridpre grid gridpost diel drift phys	Purpose e plnksurv juvsurv st adult gear other (explain)	Me -	Mesh rain wiin wiin wiin wiin max max rain max rain rain wiin rain wiin rain rain rain rain wiin rain wiin rain wiin rain wiin wiin rain wiin	Depth ob out out	E E E E	Please see Flow meter # final rev. intial rev.	FOCI Fig. 12/9/2012	n Manual f	for Gear abb Tow Ti mess. net 0 at depth haul in mess. net 1	abbreviation Time t 0 oth 2:34 in it 1	8
Samples Collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	les collected	d PLUS fill	I in Projec	Samples tCode(s) (in	ples (Collected the box) and	d Number	Sampled (o	n the line	when ap	plicable)	1
Absorb A-Genet A-Gut	ChLAM Chlor CTD Deploy Discard		J-Length J-Oto J-Wght L-Bioch L-Genet	L-Bioch		Lugols Merist MZ MZ NetFluor Nut		QTowF QTowS RCountE RCountJ		fish removed TSG VideoNet XBT	noved Y / N TSG ONet On	1
A-Oto Asound A-Wght Brain CAT	EBKG EK500 Fluor J-Genet		L-Gut L-Hist Live L-Musc L-Oto	L-Gut Live Loto		Ovary PhytoF Pred		Recovery ScanMar Shrink SSF		sam sam sam sam		
CTDB Bottle Sample info please record all samples collected (each bottle should have its own record)	Depth E E E E E	Chlor Volume volume volume volume	Nut bottle #	W × × × × ×	other × × × × × ×	other × × × × × ×	Depth	Chlor volume volume volume volume volume	Nut bottle # bottle # bottle # bottle # bottle #	X × × × × ×	other other x x x x x x x x x x x x x x x x x x x	
20 BON	Net		Mesh	l ds		En	please se	see FOCI Field	Manual for	Gear	abbreviations	B &
Performance good quest fail lost lost (explain if not good)	Purp gridpre grid gridpost diel drift	Purpose e plinksurv juvsurv ost adult gear other (explain)			Depth Wire Out		Flow meter # final rev. intial rev.	Flowmeter. meter # 31034 final rev. 844,559 Total		Tow Til mess. net 1 at depth hau in mess net 2	Time in in	
A-Genet Brain CAT	les collected Brain CAT Discard J-Genet	d PLUS fill		Samples jectCode(s) (in Length	ples (Collected The box) and L-Gut L-Hist L-Musc L-Oto D-Oto	d Number	Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable) J-Length L-Gut QTowF Iish removed Y/N J-Oto L-Hist QTowS RCountL Shrink L-Bioch L-Oto RCountL Sample L-Genet Merist RCountJ Sample	n the line	when appli th removed RCountL Shrink sample	pplicable) ad Y/N int.	1 111

FOCI Cruise (e.g. 4MF99) Ships Cruise MF03-0	(e.g. 4MF99)	· ν	Station M2-Nexts Haul 1. GMT-Date 03-MAN-03	- Haul		FOCI Station	iion	45 or FOX(Alt. Static	(7) §	SONOC GENERAL	MOC004)
DLat	,	, Z	90.	. 20-May-99)		DLong	1		MLong \2		\$ 8	≣
Haul Comments	CT30	27										
Gear GOBON	Net		Mesh		<u> </u>	E E	pleases	please see FOCI Field Manual for	d Manual 1	for Gear	Gear abbreviations	tions
Performance good quest fail lost (explain if not good)	Purl gridpre grid gridpost diel drift phys	urpose plinksurv juvsurv t adult gear other (explain)		min. max. Wire min. max. max.	Depth 59	EE EE	Flow meter # final rev. intial rev.	Flowmeter meter # 8990 inal rev. 62505 itial rev. 61130		Tow Ti mess. net 0 at depth haul in mess. net 1	Tow Time . net 0 depth 3.30 haul in S. net 1	92
Samples Collected circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	iles collected	1 PLUS fill	in Projec	Samples tCode(s) (in	es C) (in the	Collected the box) and	d Numbe	rSampled (c	n the line	whеп ар	oplicable	•
A-Genet	ChLAM Chlor CTD Deploy		J-Length J-Oto J-Wght L-Bioch	ength J-Oto -Wght Bioch		Lugols Merist MZ MZ NetFluor		QTowF QTowS RCountE RCountD		fish removed TSG VideoNet	noved Y / N TSG ONet XBT	<u>,</u>
A-Length A-Oto	Discard		L-Genet L-Gut	Genet Cut		Nut Ovary		RCountL Recovery		sam	nple	
A-Wght Brain CAT	EK500 Fluor J-Genet J-Gut		L-Hist Live L-Musc L-Oto	Live Live Loto	_	PARP PhytoF		ScanMar Shrink Shrink SSF		sam sam sam	nple nple	
Sample info please record all samples collected (each bottle should have its own record)	Depth B B B B B B B B B B B B B B B B B B B	Chlor volume volume volume volume volume	Nut bottle #	¥ × × × ×	o hei	otto x x x x x x	Depth B B B B B B B B B B B B B B B B B B B	Chlor volume volume volume volume volume	Nut bottlo # bottle # bottle # bottle # bottle #	W × × × × × ×	a × × × × × ×	
Gear 20Bow	Net		Mesh		153	Ĕ	please s	please see FOCI Field	d Manual for		Gear abbreviations	tions
Performance good quest fail lost (explain if not good)	Purp gridpre gridpost diel drift phys	Purpose e plinksurv juvsurv st adult gear other (explain)		min. Mire Wire max	Depth //re Out	EE EE	Flow meter # final rev. intial rev.	Flowmeter meter # 3\03 final rev. \$3021 intial rev. \$\langle \langle \		Tow Ti mess. net 1 at depth haul in mess. net 2 Total	Tow Time . net 1 depth naul in .s. net 2	
circle all samples collected PLUS fill in	les collected	1 PLUS fill	」 └─ in Projec	Samples tCode(s) (in	les C (in the	Collected the box) and	d Numbe	Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	I L	when ap	oplicable	
A-Genet A-Gut A-Gut	Brain CAT Discard		J-Length J-Oto	ength		L-Gut		QTowF QTowS Pred		fish removed RCountL Shrink	ed Y/N	
A-Verigin	J-Gut		L-Genet		· 	L-Oto		RCountE RCountJ	<u> </u>	sam pl e sample	m pl e	

Alt. Station BONOO9 (e.g. CTD015 or MOC004)	Bottom Depth コサ m	MLong 53.//w		please see FOCI Field Manual for Gear abbreviations	Tow Time S990 mess. net 0 at depth 3:14 mess. net 1 mess. net 1	Samples Collected circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	wF ish removed Y / N TSG T	ntE VideoNet XBT	ery sample sample	sanMar Sample Shrink	SSF sample sample strip	ilor Nut MZ other other	bottle # x x x x x x x x x x x x x x x x x x	x x x x x = # office # x x x x x x x x x x x x x x x x x x	w x x x x x x x x x x x x x x x x x x x	ume bottle# x x x x	see FOCI Field Manual for Gear abbreviations		at depth haul in	32	Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	WF fish removed Y/N		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
FOCI Station (e.g. HJ45 or FOX058)	GM-Time 09/11	DLong 163		um please see FOCI	Flowmeter m meter # 899 m final rev. 6463 intial rev. 6259 m Total	Collected the box) and NumberSample	Lugols CTowF Aerist CTowS	MZ RCountE	Nut RCountL Ovary Recovery	PAR ScanMar		Deoth	H	E &	X X	x m volt	um please see FOCI	Flow	m meter # 310.		Collected the box) and NumberSample			Merist HountE
Station Ma-Sourh Haul	GMT-Date 7 - Maryed G	N		Mesh 333	min. Wire Out	Samples Co in ProjectCode(s) (in the	J-Length	J-Wght ☐ L-Bioch ☐ N€	L-Gut	L'Hist		Nut MZ other o	41 41	× × × × × ×	bottle # x x	bottle # × ×	Mesh (53		min. max.	min.		J-Length		L-Bioch
Station (e.g. 4MF99)	1	56 MLat 39	CIDOSS	Net _	Purpose gridpre plnksurv grid juvsurv gridpost adult diel gear drift other phys (explain)	ples collected PLUS fill	ChLAM	CTD	Discard EBKG	EK500	J-Genet	Depth Chlor		The volume	m volume	m volume	Net	odun	re ost	drift other phys (explain)	circle all samples collected PLUS fill in	Brain	Discard	J-Genet
FOCI Cruise_	Ships Cruise MF 02-05 (e.g. MF99-08)	DLat	Haul Comments	Gear 60BON	Performance good quest fail lost (explain if not good)	circle all sam	Absorb ADCP	A-Genet A-Gut	A-Length A-Oto	A-Waht	Brain CAT		CTDB Bottle Sample info	please record all samples collected	(each bottle should		Sear JOBON	Performance	good quest fail	lost (explain if not good)	circle all sam	A-Genet	A-Gut	A-Oto

Ιĝ Q Cruise Operations Database Scientist Error Checked Data Entered

tail gird lost diel diel drift drift drift hot good)	m volume m volume m volume m volume Met pluksurv gridpre plnksurv grid juvsurv grid juvsurv grid juvsurv drift other phys (explain)	Nut bottle # bottle # bottle # bottle # mm	Poc Pred Cher other other X X X X X X X X X X X X X X X X X X X	Depth m m m m Flow meter # final rev. intial rev.	Nut Nut bottle # y at at at at	sample Sample NZ other other X X X X X X X X X X X X X X X X X X X
circle all samples collected A-Genet Brain CAT	collected PLUS fill in		Samples Collected Code(s) (in the box) and the control of the cont	Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable) J-Length	on the line when fish remaining the fish remaining	hen applicable) removed Y/N RCountL
A-Length A-Oto	Discard	J-Wght -	H-Musc L-Oto	Pred	σ ^σ Ι	Shrink
	10000		Meriet	BCount		sample

Cruise Operations Database Scientist Error Checked Data Entered

F	180	Station Ma-N	M2-N	Haul 2		FOCI Station	' 1	J45 or FOX	– Alt. Sta	Alt. Station 60N 011	ON 011	MOC004)
Ships Cruise	MTUQ-0> (e.g. MF99-08)	_ GMT-Date		(e.g. 20-May-99)		GM-Time	705/_		Bottom Depth	'	0	E
DLat	57	MLat	0	<u>.</u>		DLong	(9)	WL,	MLong \	60.0	%	
Haul Comments.	<u>.</u>											
							:					
Gear 60 60N	Net	_	Mesh	sh 33	$\tilde{\omega}$	E E	please :	see FOCI Field Manual		for Gear &	Gear abbreviations	tions
Performance good quest fail lost (explain if not good)	Purpose gridpre plr grid grid gridpost ad diel ge drift ott	pose plinksurv juvsurv adult gear other (explain)		min. Mire Wire max. ————————————————————————————————————	Depth //re Out	EE EE	Flow meter # final rev. intial rev.	Flowmeter ter # 890 tev. 7048 Lerev. 66615		Tow T mess. net 0 at depth haul in mess. net 1	ime	H- 000
Samples Collected circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	oles collected	III SNTA IIII	in Projec	Samples tCode(s) (in	oles C (in th	Collected the box) and	d Numbe	rSampled (c	on the line	when ap	plicable	
Absorb ADCP	ChLAM		J-Length J-Oto			Lugols Merist		QTowF		fish removed	noved Y / N	_
A-Genet	Deploy		L-Bioch			MZ NetFluor NetFluor		RCount		VideoNet	XBT C	-
A-Lengin	Discard		L-Gener L-Gut	֓֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֝֞֞֝֞֞֝֞		Ovary [<u> </u>	Recovery		Sam	pie Die	
Asound A-Wght	EK500 Fluor		L-Hist Live	Hist Live		PAR L PhytoF [ScanMar Shrink		sam	ple	
Brain CAT	J-Genet J-Gut		L-Musc L-Oto	-Musc		Poc Pred	44	SSF Strip	– ⊢	sam	ple	
0 C C C C C C C C C C C C C C C C C C C	Depth	Chlor	Nut	MZ	other	other	Depth	Chlor	Nut	MZ	other o	other
Sample info	EE	volume	bottle #	a ×	××	× ×	8 8	volume	bottle #	××	××	××
samples collected feach bottle should	m m	volume	bottle #	××	××	× ×	E E	volume	tottle #	××	××	××
have its own record)	m	volume	bottle #	××	××	×	EE	volume	bottle #	××	× ×	××
20 BON	Į į	1	Moch	S 4	2	[o o o o o o	soo EOCI Eio	EOC! Field Manual for		Goar athreviations	
1 1 2	Purpose	900			Denth			lowmeter			Tow Time	
good quest fail	gridpre grid gridpost diel	plnksurv juvsurv adult		min. max. Mire	ont O e	E E	meter # final rev.	ter # 310 7 rev. 866 7 3 rev. 84974	-	mess. net 1 at depth haul in mess. net 2	1	
(explain if not good)	drift phys	other (explain)		min max		E E		Total 1696		Total		
circle all samples collected	iles collected	PLUS fill in		Samples ProjectCode(s) (in	oles C	Collected the box) and	d nd Numbe	Collected the box) and NumberSampled (on the line when applicable)	on the line	whеп ар	plicable	
A-Genet	Brain		J-Length	₩ □		L-Gut		Q TOWF		fish removed	N/	
A-Gut A-Length	CAT		J-Oto J-Wght			L-Hist L L-Musc L		QTowS Pred		RCountL Shrink	[≝] ₹ ┦□[[
A-Oto A-Wght	J-Genet J-Gut		L-Bioch L-Genet			L-Oto L		RCountE RCountJ		sam	ple	

Alt. Station BONOLS.	Depthm	M. TEECO		iual for Gear abbreviations	Tow Time mess. net 0 at depth ਕ਼:ਕੁਮ haul in mess. net 1	line when applicable)	fish removed Y / N	TSG VideoNet	XBT	sample	sample	sample	sample	Nut MZ other other	x x x x x x x x x x x x x x x x x x x	x × × × × ×	x x x x x x x	x x x x x x x x x x x x x x x x x x x	nual for Gear abbreviations	Tow Time	at depth	mess. net 2	line when applicable)	fish removed Y/N	RCountL Shrink	sample
(e.g. HJ45 or FOX058)	O 3 급	MLong_		please see FOCI Field Manual for	Flowmeter meter # 8990 final rev. 71930 intial rev. 30986	1 3 NumberSampled (on the	QTowF	OTows RCountE	RCount	RCountL Recovery	ScanMar	Shrink	Strip	Depth Chlor N	m volume bott	m volume tot	m volume bot	m volume bot	please see FOCI Field Manual for	Flowmeter	final rev. 30 036	intial rev. 8663	I I I NumberSampled (on the	QTowF	QTows Pred	RCountle RCountle
Haul FOCI Station	GMT-Date O8-May-997	_ BLong_		Mesh 333 um	min. O m wax. (a3 m win. O m win. O m max. 82 m	Samples Collected circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)		J-Wght MZ		L-Genet Nut		Live PhytoF Poc	L-Oto Pred	Nut MZ other other	x x x x x x x x x x x x x x x x x x x	× × × * * • • • • • • • • • • • • • • •	×	bottle # x x x x	Mesh 시53 um	Depth	min m	Wire Out min m	Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	J-Length L-Gut	J-Oto L-Hist	
Station M.2	202	56 MLat 51.	:	Net	Purpose gridpre plnksurv grid juvsurv gridpost adult diel gear drift other phys (explain)	oles collected PLUS fill in F	ChLAM	CTD	Deploy	Discard FBKG	EK500	Fluor J-Genet	J-Gut	Depth Chlor N	m volume bottle	m volume too	volume	no volume bot	Net /	Purpo	gridpre plnksurv	diel gear drift other phys (explain)	lected PLUS fill in			J-Genet
FOCI Cruise	Ships Cruise MEOユ(e.g. MF99-00	DLat	Haul Comments.	Gear LOBON	Performance good quest fail lost (explain if not good)	د ع عام circle all samp	Absorb	ADCP A-Genet	A-Gut	A-Length A-Ofo	Asound	A-Wght Brain	CAT	1	Sample info	please record all samples collected	(each bottle should	have its own record)	Gear 20BON	Performance	good	fall lost (explain if not good)	-		A-Gut	A-Cengin A-Oto A-Wght

Shipe Cruise	Se MF02-05 Se MF02-05 (e.g. MF99-09) Se MF03-09) (e.g. MF99-09) Se MF03-09) Chlor Chlo	Station (%) Station (%) GMT-Dai Burpose Purpose eploy cyolume by volume volume by volume b	Station M3-Nut Haul GMT-Date	1 1 1 1 1 1 1 1 1 1	other Nire Out (s) (in the Out (s)	GM-Time IS GM-Time IS GM-Time IS GM-Time IS Collected The box) and Nut Nut Nut Nut Nut Nut Nut Nut	aation (assertion of the control of	Flowing meter # Flowing meter	(e.g. HJ45 or FOXOES) (e.g. HJ45 or FOXOES) Odd Bol Bol Bol Bol British Flowmeter Strip RCountJ RCountL RCoun	Alt. Station BON 014	rtation (6.9 cm) (7.0 Till lib. 9 (7.0 Till lib. 9 (7.0 Till lib. 9 (7.0 Gear abb) (8.0 Gear abb) (9.0 Gear abb)	Cear abbreviations Cear ab	Aft. Station (BON OI 4) Sample Sampl
A-Genet A-Gut A-Cength A-Wght A-Wght	Brain CAT Discard J-Genet		J-Length J-Oto J-Wght L-Bioch			L-Gut L-Hist L-Musc L-Oto Merist			QTowF QTowS Pred RCountE		fish removed RCountL Shrink sample	RCountl Shrink sample sample	2

FOCI Cruise	(on AMEGO)	Station	M3	Haul _		FOCI Station	6 1	IIIST	Alt. Station		BONOIS	
Ships Cruise	MF02-05 (e.g. MF99-08)	- GMT-E	GMT-Date 09-MAV	20-May-99)	60	GM-Time	ف	Bo	Bottom Depth		(a.g. cloub or mucuos)	MCC084)
DLat	56	MLat A.	£98	.		DLong	991	MLong	. [9]	6	M _° –	
Haul Comments	6											
										:		
Gear 60 BON	Net _	-	Mesh	333 A	22	шn	please s	see FOCI Field	Manual	for Gear	abbreviations	ations
Performance good quest fail lost (explain if	Pur gridpre grid gridpost diel drift	Purpose plnksurv juvsurv st adult gear other (explain)		max. Wire max. max. max. max.	Depth Vire Out	EE EE	Flow meter # final rev. intial rev.	79584 74784 74761		Tow Ti mess. net 0 at depth haul in mess. net 1	m	SS 80
circle all samples colle	nples collecte	d PLUS fill	n Projeci	Samples (Code(s) (in	oles (Collected	d d Numbe	Samples Collected cted PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	n the line	when ap	plicable	(6
Absorb	ChLAM		J-Length			Lugols		QTowF		fish removed	ved Y//	>
ADCP A-Genet	Cnlor		J-Oto J-Wght					G lows RCountE		VideoNet	oNet C	
A-Gut	_ Deptoy		L-Bioch	₽ 		NetFluor [RCount		ズ		
A-Length A-Oto	DiscardEBKG		L-Genet L-Gut			Nut C		RCountL Recovery		Sarr	nple npie	
Asound	EK500		L-Hist			PAR		ScanMar		nes	ple	
A-Wght Brain	Fluor		Live L-Musc	Live Ausc		PhytoF Poc		Shrink SSF		San	iple ple	
САТ	J-Gut		-	L-Oto		Pred [Strip	П	sart	ajdı	
CTDB Bottle	Depth	Chlor	Nut	MZ	other	other	Depth	Chlor	Nut	MZ	other	other
Sample info	E 8	volume	bottle #	×	×	××	EEE	volume	bottle #	××	××	×
please record all samples collected	E	volume	bottle #	× ,	× >	> >	8 8	volume	tottle #	× >	×××	×
(each bottle should	E E	volume	bottle #	< ×	< ×	< ×	= =	volume	bottle #	×	×	× ×
	E	volume	bottle #	×	×	×	٤	volume	bottle #	×	×	×
Gear 2080W	Net		Mesh	S) H	3	E I	please s	see FOCI Field Manual for	d Manual 1		Gear abbreviations	ations
Performance	Pur	Purpose		1	Depth	mage 5.	L	Flowmeter		Tow	Tow Time	
good quest	gridgre	pinksun juvsurv adult		max.		E E	final rev.	final rev.94808		at depth haul in	. 	
lost (explain if not good)	diel drift phys	gear other (explain)		Wire min.	re Out	E E	intial r	rev. 93,451 Total 2,35		mess. net 2	et 2	1
circle all samples colle	nples collecte	cted PLUS fill in		Samples tCode(s) (in	ples (Collected the box) and	d Numbe	Samples Collected ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)	on the line	when at	oplicable	<u></u>
A-Genet	Brain		J-Length	€ □		L-Gut		Q TowF		fish removed	V/\ pa	•
A-Gut	_ CAT		7			L-Hist	_ _	QTows		RCountL	₹ ₹ ☐	1
A-Length A-Oto	Discard J-Genet		J-Wght L-Bioch			L-Musc L L-Oto		Pred RCountE	-	san	Tole	
A-wght	J-Gut		L-Genet	ig		Merist		RCountJ	!	sam	oble	

Ships Cruise Ships Cruise Blat DLat Jear COBON Good quest fail lost fail lost fail lost and good) circle all sam	NA SS SS Gridpl gridpl gridpl gridpl gridpl gridpl gridpl Gliel chilt phys		CMT-Date 09-May-80 CMT-Date 09-May-80 at S4.996 on Mesh 32 Mesh 32 Mesh 32 Mesh 32 Min. min. max. max. max. max. max. min. max. max. max. max. max. max. max. max	Aesh 333 Mesh 333 Mesh 333 Mesh 333 Mesh Mire Ou min. max. Wire Ou min. max. Samples	33 33 33	GM-Time (GM-Time DL.ong log log	ed firm no plea	intial rev. A1 Standard Allender Sampled	On Continue Cont	Alt. Static Bottom Depth Bottom Depth MLong 10 -0 Field Manual for 6 S 3 B 6 C 16 9 Mes a A 6 (on the line wh WF ish	Alt. Station 60N (e.g. CTD om Depth 3% g 10 • 0 Manual for Gear abb Tow Ti mess. net 0 at depth haul in mess. net 1 Total If the line when applie	ow Son Olls (e.g. CTDOIS or MOCOOd) 3.4	m m m viations viations (N)
Absorb ADCP A-Genet	Chlor Chlor		J-Length J-Oto J-Wght			Lugols Merist MZ			Q Tows Q Tows RCountE		fish rer. Vide		<
A-Gut A-Length A-Oto	Deploy Discard EBKG		L-Bioch L-Genet L-Gut		<u> </u>	NetFluor Nut Ovary			RCountL RCountL Recovery		1 1	XBT Sample	
Asound A-Wght Brain CAT	EK500 Fluor J-Genet		L-Hist Live L-Musc L-Oto	Hist Live Musc		PAR PhytoF POC Pred			ScanMar Shrink SSF Strip			sample sample sample	
CTDB Bottle Sample info please record all samples collected (each bottle should have its own record)	Depth III	Chlor volume volume volume volume volume	Nut bottle # bottle # bottle # bottle # bottle #	W × × × × ×	to x x x x x x	other × × × × ×		Depth	Chlor volume volume volume volume volume	Nut bottle bottle bottle bottle bottle bottle bottle	WZ × × × × ×	other × × × × ×	oto × × × × ×
Gear	Net Bur	Purpose e plnksurv	Mesh		Depth	§ E	ejd	please see Flow	Flowmeter ter # 510 me	Id Manuk		Gear abbreviations Tow Time	viation
quest fail lost (explain if not good)	grid gridpost diel drift phys	juvsurv adult gear other (explain)		max. Wire min. max.	re Out	·	- .=	final rev.	final rev. 94808 Intial rev. 94808 Total 2008	0 5 6	at depth haul in mess. net 2	depth haul in ss. net 2 Total	
A-Genet	mples collected Brain CAT Discard J-Genet J-Gut	A PLUS fill in		Samples **Code(s) (in the code code code code code code code cod	ples (Samples Collected ProjectCode(s) (in the box) and J-Length L-Gut L-Gut J-Wght L-Musc L-Genet Merist L-Cto	and Nr	umberS 	NumberSampled (on the line when applicable) QTowF fish removed Y/N QTowS RCountL Sample RCountE Sample	on the lii	ne when fish rem S	hen applical removed Y. RCountL Shrink sample	N

Alt. Station 30N 017	Bottom Depth 129.7 m	36.9 °W	Manual for Gear abbreviations	Tow Time mess. net 0 at depth 4.30 haul in mess. net 1 Total	e line when applicable)	fish removed Y / N TSG	XBT	sample	sample sample	Nut MZ other other	* * * * *	ottle # × × ×	nual for Gear abbreviations	Tow Time mess. net 1 at depth haul in mess. net 2	Total	e line when applicable)	fish removed Y / N	Shrink sample sample
(e.g. HJ45 or FOX058)	5.18 Botte	166 MLong	please see FOCI Field Ma	Flowmeter meter # 8990 final rev. 83464 Total 2652	NumberSampled (on the	QTowF	RCount, RCount	Recovery ScanMar	Shrink SSF	Depth Chlor	volume by volume	m volume bo	please see FOCI Field Manual	Flowmeter meter # 3174 final rev. 99706	Total 2446	Collected the box) and NumberSampled (on the line when applicable)	QTowF	Pred RCountE RCountJ
FOCI Station	9-May-03- GM-Time	No Drong	Mesh 333 um	min. max. m Wire Out max. m Wire Out min. m	Samples Collected Samples Collected Circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)		L-Genet Nut Nut	L-Gut Ovary L-Hist PAR	Live PhytoF L-Musc Poc Poc Pred	t MZ other other	** * * * * * *	± →±	Mesh (53) um p	Depth min. max. m	min m max m	Samples Collected ProjectCode(s) (in the box) and	J-Length L-Gut J-Oto	J-Wght L-Musc L-Oto L-Genet Merist
Station M 2- WK Haul	702-05 4. MF99-08)	S MLat 58.4	Net	Purpose gridpre plnksurv grid juvsurv gridpost adult diel gear drift other phys (explain)	oles collected PLUS fill in Pr		Deploy Discard	EBKG EK500	Fluor J-Genet J-Gut	Depth Chior Nut	m volume bottle m volume bottle m volume bottle		Net	Purpose gridpre pinksurv grid juvsurv gridpost adult	drift other phys (explain)	samples collected PLUS fill in Pr	Brain U.	
FOCI Cruise	Ships Cruise	DLat S	Gear 60 BON	Performance good quest fail lost (explain if not good)	circle all sam	Absorb ADCP ADCP	A-Gut A-Length	A-Oto Asound	A-Wght Brain CAT		CTDB Bottle Sample info please record all samples collected (each bottle should	have its own record)	Gear 20 BM	Performance good quest fail	(explain if not good)	circle all sam	A-Genet A-Gut	A-Length A-Oto A-Wght