

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CAB

FOCI Cruise 3X03 Station 2 Haul 1 FOCI Station AP2 Alt. Station CPD002
(e.g. 4MF99) (e.g. HU45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise CM0313 GMT-Date 14 Sep 03 GM-Time 0530 Bottom Depth 165 fms
(e.g. MF99-06) (e.g. 20-May-99)

DLat 58 MLat 25.65 °N DLong 151.2 MLong 31.88 °W

Haul Comments _____

Gear CTD B

Net N

Mesh _____ µm

please see FOCI Field Manual for Gear abbreviations

Performance

good ☒ quest ☐ fail ☐ lost ☐
(explain if not good)

Purpose

gridpre ☐ plnktsurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☒ (explain)

Depth

min. 0 m
max. 160 m

Wire Out

min. _____ m
max. _____ m

Flowmeter

meter # _____

final rev. _____

initial rev. _____

Total _____

Tow Time

mess. net 0 _____

at depth _____

haul in _____

mess. net 1 _____

Total _____

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor	<input checked="" type="checkbox"/> <u>E4</u>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bloch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input checked="" type="checkbox"/> <u>E</u>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor	<input checked="" type="checkbox"/> <u>E</u>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

CTDB Bottle Sample Info

please record all samples collected (each bottle should have its own record)

Depth	Chlor	Nut	MZ	other
<u>0</u>	<u>283</u>	bottle#	X	X
<u>10</u>	<u>283</u>	bottle#	X	X
<u>20</u>	<u>283</u>	bottle#	X	X
<u>50</u>	<u>283</u>	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Gear _____

please see FOCI Field Manual for Gear abbreviations

Performance

good ☐ quest ☐ fail ☐ lost ☐
(explain if not good)

Purpose

gridpre ☐ plnktsurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☐ (explain)

Depth

min. _____ m
max. _____ m

Wire Out

min. _____ m
max. _____ m

Flowmeter

meter # _____

final rev. _____

initial rev. _____

Total _____

Tow Time

mess. net 1 _____

at depth _____

haul in _____

mess. net 2 _____

Total _____

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet ☐ Brain ☐
A-Gut ☐ CAT ☐
A-Length ☐ Discard ☒
A-Oto ☐ J-Genet ☐
A-Wght ☐ J-Gut ☐

J-Length ☐
J-Oto ☐
J-Wght ☐
L-Bloch ☐
L-Genet ☐

L-Gut ☐
L-Hist ☐
L-Musc ☐
L-Oto ☐
Merist ☐

QTowF ☐ fish removed Y / N
QTowS ☐ RCountL ☐
Pred ☐ Shrink ☐
RCountE ☐ sample ☐
RCountJ ☐ sample ☐

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 3 Station 3 Haul 1 FOCI Station AP3 Alt. Station CTD003
(e.g 4MF99) (e.g HU45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 14 Sep 03 GM-Time 0644 Bottom Depth 130 m
(e.g MF99-08) (e.g 20-May-99)

DLat 58 MLat 26.57 °N DLong 151 MLong 20.18 °W

Haul Comments Replaced dissolved O2 sensor in wetstar

Gear <u>CTDB</u>	Net <u>N</u>	Mesh <u> </u> µm	please see FOCI Field Manual for Gear abbreviations	
Performance good <input checked="" type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	Purpose gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input checked="" type="checkbox"/>	Depth min. <u> </u> m max. <u>124</u> m	Flowmeter meter # <u> </u> final rev. <u> </u> initial rev. <u> </u> Total <u> </u>	Tow Time mess. net 0 <u> </u> at depth <u> </u> haul in <u> </u> mess. net 1 <u> </u> Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb <input type="checkbox"/>	ChLAM <input type="checkbox"/>	J-Length <input type="checkbox"/>	Lugols <input type="checkbox"/>	QTowF <input type="checkbox"/>	fish removed Y / N
ADCP <input type="checkbox"/>	Chlor <input checked="" type="checkbox"/> <u>4</u>	J-Oto <input type="checkbox"/>	Merist <input type="checkbox"/>	QTowS <input type="checkbox"/>	TSG <input type="checkbox"/>
A-Genet <input type="checkbox"/>	CTD <input type="checkbox"/>	J-Wght <input type="checkbox"/>	MZ <input type="checkbox"/>	RCountE <input type="checkbox"/>	VideoNet <input type="checkbox"/>
A-Gut <input type="checkbox"/>	Deploy <input type="checkbox"/>	L-Bioch <input type="checkbox"/>	NetFluor <input type="checkbox"/>	RCountJ <input type="checkbox"/>	XBT <input type="checkbox"/>
A-Length <input type="checkbox"/>	Discard <input checked="" type="checkbox"/>	L-Genet <input type="checkbox"/>	Nut <input type="checkbox"/>	RCountL <input type="checkbox"/>	sample <input type="checkbox"/>
A-Oto <input type="checkbox"/>	EBKG <input type="checkbox"/>	L-Gut <input type="checkbox"/>	Ovary <input type="checkbox"/>	Recovery <input type="checkbox"/>	sample <input type="checkbox"/>
Asound <input type="checkbox"/>	EK500 <input type="checkbox"/>	L-Hist <input type="checkbox"/>	PAR <input checked="" type="checkbox"/>	ScanMar <input type="checkbox"/>	sample <input type="checkbox"/>
A-Wght <input type="checkbox"/>	Fluor <input checked="" type="checkbox"/>	Live <input type="checkbox"/>	PhytoF <input type="checkbox"/>	Shrink <input type="checkbox"/>	sample <input type="checkbox"/>
Brain <input type="checkbox"/>	J-Genet <input type="checkbox"/>	L-Musc <input type="checkbox"/>	POC <input type="checkbox"/>	SSF <input type="checkbox"/>	sample <input type="checkbox"/>
CAT <input type="checkbox"/>	J-Gut <input type="checkbox"/>	L-Oto <input type="checkbox"/>	Pred <input type="checkbox"/>	Strip <input type="checkbox"/>	sample <input type="checkbox"/>

CTDB Bottle Sample Info

please record all samples collected (each bottle should have its own record)

Depth	Chlor	Nut	MZ	other	Depth	Chlor	Nut	MZ	other
<u>0</u>	<u>283</u>	bottle#	X	X	m	volume	bottle#	X	X
<u>10</u>	<u>283</u>	bottle#	X	X	m	volume	bottle#	X	X
<u>20</u>	<u>283</u>	bottle#	X	X	m	volume	bottle#	X	X
<u>50</u>	<u>283</u>	bottle#	X	X	m	volume	bottle#	X	X
m	volume	bottle#	X	X	m	volume	bottle#	X	X
m	volume	bottle#	X	X	m	volume	bottle#	X	X

Gear

please see FOCI Field Manual for Gear abbreviations

Performance good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	Purpose gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input type="checkbox"/>	Depth min. <u> </u> m max. <u> </u> m	Flowmeter meter # <u> </u> final rev. <u> </u> initial rev. <u> </u> Total <u> </u>	Tow Time mess. net 1 <u> </u> at depth <u> </u> haul in <u> </u> mess. net 2 <u> </u> Total <u> </u>
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Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet <input type="checkbox"/>	Brain <input type="checkbox"/>	J-Length <input type="checkbox"/>	L-Gut <input type="checkbox"/>	QTowF <input type="checkbox"/>	fish removed Y / N
A-Gut <input type="checkbox"/>	CAT <input type="checkbox"/>	J-Oto <input type="checkbox"/>	L-Hist <input type="checkbox"/>	QTowS <input type="checkbox"/>	RCountL <input type="checkbox"/>
A-Length <input type="checkbox"/>	Discard <input checked="" type="checkbox"/>	J-Wght <input type="checkbox"/>	L-Musc <input type="checkbox"/>	Pred <input type="checkbox"/>	Shrink <input type="checkbox"/>
A-Oto <input type="checkbox"/>	J-Genet <input type="checkbox"/>	L-Bioch <input type="checkbox"/>	L-Oto <input type="checkbox"/>	RCountE <input type="checkbox"/>	sample <input type="checkbox"/>
A-Wght <input type="checkbox"/>	J-Gut <input type="checkbox"/>	L-Genet <input type="checkbox"/>	Merist <input type="checkbox"/>	RCountJ <input type="checkbox"/>	sample <input type="checkbox"/>

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 3km03 Station 4 Haul 1 FOCI Station AP4 Alt. Station CTD004
(e.g. 4MF99) (e.g. H445 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise Km0313 GMT-Date 14 Sep 03 GM-Time 0758 Bottom Depth 98 m
(e.g. MF99-08) (e.g. 20-May-99)

DLat 58 MLat 27.41 °N DLong 151 MLong 9.03 °W

Haul Comments

Gear CTDB

Net N

Mesh — µm

please see FOCI Field Manual for Gear abbreviations

Performance	<input checked="" type="checkbox"/> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)
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Purpose	<input type="checkbox"/> gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input checked="" type="checkbox"/> phys <input type="checkbox"/> plinksurv <input type="checkbox"/> juvsurv <input type="checkbox"/> adult <input type="checkbox"/> gear <input type="checkbox"/> other <input type="checkbox"/> (explain)
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Depth	min. <u>8</u> m max. <u>98</u> m
Wire Out	min. <u>—</u> m max. <u>—</u> m

Flowmeter	meter # <u>—</u> final rev. <u>—</u> initial rev. <u>—</u> Total <u>—</u>
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Tow Time	mess. net 0 <u>—</u> at depth <u>—</u> haul in <u>—</u> mess. net 1 <u>—</u> Total <u>—</u>
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Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input checked="" type="checkbox"/> Chlor <u>E4</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR <u>E</u>	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor <u>E</u>	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other	other
<u>0</u>	<u>283</u>	bottle#	X	X	X
<u>10</u>	<u>281</u>	bottle#	X	X	X
<u>20</u>	<u>281</u>	bottle#	X	X	X
<u>50</u>	<u>283</u>	bottle#	X	X	X
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X

Depth	Chlor	Nut	MZ	other	other
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X

Gear

Net

Mesh

µm

please see FOCI Field Manual for Gear abbreviations

Performance	<input type="checkbox"/> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)
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Purpose	<input type="checkbox"/> gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input type="checkbox"/> plinksurv <input type="checkbox"/> juvsurv <input type="checkbox"/> adult <input type="checkbox"/> gear <input type="checkbox"/> other <input type="checkbox"/> (explain)
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Depth	min. <u>—</u> m max. <u>—</u> m
Wire Out	min. <u>—</u> m max. <u>—</u> m

Flowmeter	meter # <u>—</u> final rev. <u>—</u> initial rev. <u>—</u> Total <u>—</u>
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Tow Time	mess. net 1 <u>—</u> at depth <u>—</u> haul in <u>—</u> mess. net 2 <u>—</u> Total <u>—</u>
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Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 2203 Station 6 Haul 1 FOCI Station AP6 Alt. Station CD006
(e.g. 4MF99) (e.g. H45 or FOX059) (e.g. CTD015 or MOC004)

Ship's Cruise km0313 GMT-Date 14Sep03 GM-Time 10:21 Bottom Depth 88 m
(e.g. MF99-08) (e.g. 20-May-99)

DLat 58 MLat 28.95 °N DLong 150 MLong 45.32 °W

Haul Comments _____

Gear <u>CTDB</u>	Net <u>N</u>	Mesh _____ μ m	please see FOCI Field Manual for Gear abbreviations	
Performance good quest fail lost (explain if not good)	Purpose gridpre plinksurv grid juvsurv gridpost adult diel gear drift other phys (explain)	Depth min. _____ m max. <u>83</u> m	Flowmeter meter # _____ final rev. _____ initial rev. _____ Total _____	Tow Time mess. net 0 _____ at depth _____ haul in _____ mess. net 1 _____ Total _____
Wire Out min. _____ m max. _____ m				

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb <input type="checkbox"/>	ChLAM <input type="checkbox"/>	J-Length <input type="checkbox"/>	Lugols <input type="checkbox"/>	QTowF <input type="checkbox"/>	fish removed Y / N
ADCP <input type="checkbox"/>	Chlor <u>E4</u>	J-Oto <input type="checkbox"/>	Merist <input type="checkbox"/>	QTowS <input type="checkbox"/>	TSG <input type="checkbox"/>
A-Genet <input type="checkbox"/>	CTD <input type="checkbox"/>	J-Wght <input type="checkbox"/>	MZ <input type="checkbox"/>	RCountE <input type="checkbox"/>	VideoNet <input type="checkbox"/>
A-Gut <input type="checkbox"/>	Deploy <input type="checkbox"/>	L-Bioch <input type="checkbox"/>	NetFluor <input type="checkbox"/>	RCountJ <input type="checkbox"/>	XBT <input type="checkbox"/>
A-Length <input type="checkbox"/>	Discard <input checked="" type="checkbox"/>	L-Genet <input type="checkbox"/>	Nut <input type="checkbox"/>	RCountL <input type="checkbox"/>	sample <input type="checkbox"/>
A-Oto <input type="checkbox"/>	EBKG <input type="checkbox"/>	L-Gut <input type="checkbox"/>	Ovary <input type="checkbox"/>	Recovery <input type="checkbox"/>	sample <input type="checkbox"/>
Asound <input type="checkbox"/>	EK500 <input type="checkbox"/>	L-Hist <input type="checkbox"/>	PAR <u>E</u>	ScanMar <input type="checkbox"/>	sample <input type="checkbox"/>
A-Wght <input type="checkbox"/>	Fluor <u>E</u>	Live <input type="checkbox"/>	PhytoF <input type="checkbox"/>	Shrink <input type="checkbox"/>	sample <input type="checkbox"/>
Brain <input type="checkbox"/>	J-Genet <input type="checkbox"/>	L-Musc <input type="checkbox"/>	POC <input type="checkbox"/>	SSF <input type="checkbox"/>	sample <input type="checkbox"/>
CAT <input type="checkbox"/>	J-Gut <input type="checkbox"/>	L-Oto <input type="checkbox"/>	Pred <input type="checkbox"/>	Strip <input type="checkbox"/>	sample <input type="checkbox"/>

CTDB Bottle

Sample Info

please record all samples collected (each bottle should have its own record)

Depth	Chlor	Nut	MZ	either	other
<u>10</u> m	<u>28.3</u>	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>10</u> m	<u>28.3</u>	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>20</u> m	<u>28.3</u>	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>40</u> m	<u>28.3</u>	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Depth	Chlor	Nut	MZ	either	other
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Gear _____

Net _____

Mesh _____ μ m

please see FOCI Field Manual for Gear abbreviations

Performance good quest fail lost (explain if not good)	Purpose gridpre plinksurv grid juvsurv gridpost adult diel gear drift other phys (explain)	Depth min. _____ m max. _____ m	Flowmeter meter # _____ final rev. _____ initial rev. _____ Total _____	Tow Time mess. net 1 _____ at depth _____ haul in _____ mess. net 2 _____ Total _____
Wire Out min. _____ m max. _____ m				

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet <input type="checkbox"/>	Brain <input type="checkbox"/>	J-Length <input type="checkbox"/>	L-Gut <input type="checkbox"/>	QTowF <input type="checkbox"/>	fish removed Y / N
A-Gut <input type="checkbox"/>	CAT <input type="checkbox"/>	J-Oto <input type="checkbox"/>	L-Hist <input type="checkbox"/>	QTowS <input type="checkbox"/>	RCountL <input type="checkbox"/>
A-Length <input type="checkbox"/>	Discard <input checked="" type="checkbox"/>	J-Wght <input type="checkbox"/>	L-Musc <input type="checkbox"/>	Pred <input type="checkbox"/>	Shrink <input type="checkbox"/>
A-Oto <input type="checkbox"/>	J-Genet <input type="checkbox"/>	L-Bioch <input type="checkbox"/>	L-Oto <input type="checkbox"/>	RCountE <input type="checkbox"/>	sample <input type="checkbox"/>
A-Wght <input type="checkbox"/>	J-Gut <input type="checkbox"/>	L-Genet <input type="checkbox"/>	Merist <input type="checkbox"/>	RCountJ <input type="checkbox"/>	sample <input type="checkbox"/>

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 2KM03 Station 8 Haul 1 FOCI Station GP1 Alt. Station CTDB 8
(e.g. 4MF99) (e.g. HL45 or FOX058)

Ship's Cruise KM0313 GMT-Date 14 Sep 03 GM-Time 15:34 Bottom Depth 163 m
(e.g. MF99-08) (e.g. 20-May-99)

DLat 59 MLat 5.97 °N DLong 150 MLong 59.82 °W

Haul Comments Calibration pre-pick up for GP32a

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diet
<input type="checkbox"/> drift
<input checked="" type="checkbox"/> phys
(explain if not good)

Depth
min. <u> </u> m
max. <u>153</u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 0 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 1 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input type="checkbox"/> Chlor <u>E</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> A-sound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR <u>E</u>	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor <u>E</u>	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other	Depth	Chlor	Nut	MZ	other
<u>15</u>	<u>250</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<u> </u>	<u> </u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input type="checkbox"/> m	<input type="checkbox"/> volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diet
<input type="checkbox"/> drift
<input type="checkbox"/> phys
(explain if not good)

Depth
min. <u> </u> m
max. <u> </u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 1 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 2 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CLT

FOCI Cruise 3UM03 Station 9 Haul 1 FOCI Station GP34A Alt. Station CTD009
(e.g. 4MF99) (e.g. HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 14Sep03 GM-Time 21:20 Bottom Depth 146 ftr
(e.g. MF99-08) (e.g. 20-May-99)

DLat 58 MLat 57.50 °N DLong 150 MLong 56.09 °W

Haul Comments Prepick up calibration

Gear <u>CTDB</u>	Net <u>N</u>	Mesh <u> </u> μ m	please see FOCI Field Manual for Gear abbreviations	
Performance <u>good</u> quest fail lost (explain if not good)	Purpose gridpre grid gridpost diel drift <u>phys</u> (explain)	Depth min. <u>0</u> m max. <u>143</u> m	Flowmeter meter # <u> </u> final rev. <u> </u> initial rev. <u> </u> Total <u> </u>	Tow Time mess. net 0 <u> </u> at depth <u> </u> haul in <u> </u> mess. net 1 <u> </u> Total <u> </u>

Samples Collected
circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input type="checkbox"/> Chlor <u>E 1</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR <u>E</u>	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor <u>E</u>	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other	Depth	Chlor	Nut	MZ	other
<u>15</u>	<u>281</u>	bottle#	X	X	m	volume	bottle#	X	X
m	volume	bottle#	X	X	m	volume	bottle#	X	X
m	volume	bottle#	X	X	m	volume	bottle#	X	X
m	volume	bottle#	X	X	m	volume	bottle#	X	X
m	volume	bottle#	X	X	m	volume	bottle#	X	X
m	volume	bottle#	X	X	m	volume	bottle#	X	X

Gear <u> </u>	Net <u> </u>	Mesh <u> </u> μ m	please see FOCI Field Manual for Gear abbreviations	
Performance good quest fail lost (explain if not good)	Purpose gridpre grid gridpost diel drift phys	Depth min. <u> </u> m max. <u> </u> m	Flowmeter meter # <u> </u> final rev. <u> </u> initial rev. <u> </u> Total <u> </u>	Tow Time mess. net 1 <u> </u> at depth <u> </u> haul in <u> </u> mess. net 2 <u> </u> Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist ☒

FOCI Cruise 3KM03 Station 17 Haul 1 FOCI Station SE1 Alt. Station CTD017
(e.g. 4MF99) (e.g. H45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 15 Sep 03 GM-Time 17:48 Bottom Depth 121 FTH
(e.g. MF99-08) (e.g. 20-May-99)

DLat 58 MLat 49.67 °N DLong 152 MLong 20.45 °W

Haul Comments Very interesting Fluorescence profile, 11-1

Gear CTDB Net N

please see FOCI Field Manual for Gear abbreviations

Performance
good ☒ quest ☐ fail ☐ lost ☐
(explain if not good)

Purpose
gridpre ☐ pinksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☒ (explain)

Depth
min. 0 m
max. 111 m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 0
at depth
haul in
mess. net 1
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input type="checkbox"/> Chlor <u>E 5</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> A-sound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR <u>E</u>	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor <u>E</u>	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other	other
<u>0</u>	<u>28.1</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>10</u>	<u>28.3</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>20</u>	<u>28.1</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>40</u>	<u>27.6</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>120</u>	<u>28.0</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>

Depth	Chlor	Nut	MZ	other	other
<u>m</u>	<u>volume</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	bottle#	<u>X</u>	<u>X</u>	<u>X</u>

Gear

please see FOCI Field Manual for Gear abbreviations

Performance
good ☐ quest ☐ fail ☐ lost ☐
(explain if not good)

Purpose
gridpre ☐ pinksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☐ (explain)

Depth
min. m
max. m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 1
at depth
haul in
mess. net 2
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered _____ Error Checked ☒ Scientist CA

FOCI Cruise 2CM03 Station 27 Haul 1 FOCI Station AFB Alt. Station CDD027
(e.g 4MF99) (e.g HU45 or FOX58)
Ship's Cruise 1CM0313 GMT-Date 17 Sep 03 GM-Time 0706 Bottom Depth 128 m
(e.g MF98-08) (e.g 20-May-99)
DLat 59 MLat 11.50 °N DLong 148 MLong 36.14 °W

Haul Comments _____

Gear CTDB

Net N

Mesh _____ µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input checked="" type="checkbox"/> phys
(explain)

Depth
min. <u>0</u> m
max. <u>123</u> m
Wire Out
min. _____ m
max. _____ m

Flowmeter
meter # _____
final rev. _____
initial rev. _____
Total _____

Tow Time
mess. net 0 _____
at depth _____
haul in _____
mess. net 1 _____
Total _____

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input type="checkbox"/> Chlor <u>E</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> A-sound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR <u>E</u>	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor <u>E</u>	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other
<u>10</u>	<u>25.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>20</u>	<u>28.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>40</u>	<u>28.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>10</u>	<u>28.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>10</u>	<u>28.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Depth	Chlor	Nut	MZ	other
<u>10</u>	<u>25.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>20</u>	<u>28.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>40</u>	<u>28.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>10</u>	<u>28.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>10</u>	<u>28.1</u>	<u>23</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Gear _____

Net _____

Mesh _____ µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input type="checkbox"/> phys
(explain)

Depth
min. _____ m
max. _____ m
Wire Out
min. _____ m
max. _____ m

Flowmeter
meter # _____
final rev. _____
initial rev. _____
Total _____

Tow Time
mess. net 1 _____
at depth _____
haul in _____
mess. net 2 _____
Total _____

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered Error Checked ☒ Scientist CLF

FOCI Cruise 3km03 Station 29 Haul 1 FOCI Station AT2 Alt. Station CTD022
(e.g. 4MF99) (e.g. HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise LM0313 GMT-Date 17 Sep 03 GM-Time 0910 Bottom Depth 197 fth
(e.g. MF99-08) (e.g. 2b-May-99)

DLat 59 MLat 2.40 °N DLong 141 MLong 41.41 °W

Haul Comments

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="radio"/> good
<input type="radio"/> quest
<input type="radio"/> fail
<input type="radio"/> lost
(explain if not good)

Purpose
<input type="radio"/> gridpre
<input type="radio"/> grid
<input type="radio"/> gridpost
<input type="radio"/> diel
<input type="radio"/> drift
<input checked="" type="radio"/> phys
(explain)

Depth
min. <u>0</u> m
max. <u>187</u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 0 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 1 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input type="checkbox"/> Chlor <u>E 4</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> A-sound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR <u>E</u>	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor <u>E</u>	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other	other
<u>0</u>	<u>281</u>	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>10</u>	<u>283</u>	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>20</u>	<u>281</u>	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>30</u>	<u>283</u>	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u>	volume	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u>	volume	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X

Depth	Chlor	Nut	MZ	other	other
<u> </u>	volume	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u>	volume	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u>	volume	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u>	volume	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u>	volume	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u>	volume	<u> </u>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input type="radio"/> good
<input type="radio"/> quest
<input type="radio"/> fail
<input type="radio"/> lost
(explain if not good)

Purpose
<input type="radio"/> gridpre
<input type="radio"/> grid
<input type="radio"/> gridpost
<input type="radio"/> diel
<input type="radio"/> drift
<input type="radio"/> phys
(explain)

Depth
min. <u> </u> m
max. <u> </u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 1 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 2 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 2km03 Station 31 Haul 1 FOCI Station ATB4 Alt. Station CTD031
(e.g 4MF99) (e.g HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise km0313 GMT-Date 17 Sep 03 GM-Time 1120 Bottom Depth 288 fms
(e.g MF99-08) (e.g 20-May-99)

DLat 58 MLat 53.45 °N DLong 148 MLong 4702 °W

Haul Comments _____

Gear <u>CTDB</u>	Net <u>N</u>	Mesh _____ µm	please see FOCI Field Manual for Gear abbreviations	
Performance good <input checked="" type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	Purpose gridpre <input type="checkbox"/> pinksurv <input type="checkbox"/> grid <input type="checkbox"/> juvsurv <input type="checkbox"/> gridpost <input type="checkbox"/> adult <input type="checkbox"/> diel <input type="checkbox"/> gear <input type="checkbox"/> drift <input type="checkbox"/> other <input type="checkbox"/> phys <input checked="" type="checkbox"/> (explain)	Depth min. <u>0</u> m max. <u>287</u> m	Flowmeter meter # _____ final rev. _____ initial rev. _____ Total _____	Tow Time mess. net 0 _____ at depth _____ haul in _____ mess. net 1 _____ Total _____

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb <input type="checkbox"/>	ChLAM <input type="checkbox"/>	J-Length <input type="checkbox"/>	Lugols <input type="checkbox"/>	QTowF <input type="checkbox"/>	fish removed Y / N
ADCP <input type="checkbox"/>	Chlor <input checked="" type="checkbox"/> 4	J-Oto <input type="checkbox"/>	Merist <input type="checkbox"/>	QTowS <input type="checkbox"/>	TSG <input type="checkbox"/>
A-Genet <input type="checkbox"/>	CTD <input type="checkbox"/>	J-Wght <input type="checkbox"/>	MZ <input type="checkbox"/>	RCountE <input type="checkbox"/>	VideoNet <input type="checkbox"/>
A-Gut <input type="checkbox"/>	Deploy <input type="checkbox"/>	L-Bioch <input type="checkbox"/>	NetFluor <input type="checkbox"/>	RCountJ <input type="checkbox"/>	XBT <input type="checkbox"/>
A-Length <input type="checkbox"/>	Discard <input checked="" type="checkbox"/>	L-Genet <input type="checkbox"/>	Nut <input type="checkbox"/>	RCountL <input type="checkbox"/>	sample <input type="checkbox"/>
A-Oto <input type="checkbox"/>	EBKG <input type="checkbox"/>	L-Gut <input type="checkbox"/>	Ovary <input type="checkbox"/>	Recovery <input type="checkbox"/>	sample <input type="checkbox"/>
Asound <input type="checkbox"/>	EK500 <input type="checkbox"/>	L-Hist <input type="checkbox"/>	PAR <input checked="" type="checkbox"/>	ScanMar <input type="checkbox"/>	sample <input type="checkbox"/>
A-Wght <input type="checkbox"/>	Fluor <input checked="" type="checkbox"/>	Live <input type="checkbox"/>	PhytoF <input type="checkbox"/>	Shrink <input type="checkbox"/>	sample <input type="checkbox"/>
Brain <input type="checkbox"/>	J-Genet <input type="checkbox"/>	L-Musc <input type="checkbox"/>	POC <input type="checkbox"/>	SSF <input type="checkbox"/>	sample <input type="checkbox"/>
CAT <input type="checkbox"/>	J-Gut <input type="checkbox"/>	L-Oto <input type="checkbox"/>	Pred <input type="checkbox"/>	Strip <input type="checkbox"/>	sample <input type="checkbox"/>

CTDB Bottle	Depth	Chlor	Nut	MZ	other	Depth	Chlor	Nut	MZ	other
Sample Info	<u>0</u>	<u>281</u>	bottle#	X	X	m	volume	bottle#	X	X
please record all	<u>10</u>	<u>283</u>	bottle#	X	X	m	volume	bottle#	X	X
samples collected	<u>20</u>	<u>281</u>	bottle#	X	X	m	volume	bottle#	X	X
(each bottle should	<u>50</u>	<u>283</u>	bottle#	X	X	m	volume	bottle#	X	X
have its own record)	m	volume	bottle#	X	X	m	volume	bottle#	X	X
	m	volume	bottle#	X	X	m	volume	bottle#	X	X

Gear _____	Net _____	Mesh _____ µm	please see FOCI Field Manual for Gear abbreviations	
Performance good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	Purpose gridpre <input type="checkbox"/> pinksurv <input type="checkbox"/> grid <input type="checkbox"/> juvsurv <input type="checkbox"/> gridpost <input type="checkbox"/> adult <input type="checkbox"/> diel <input type="checkbox"/> gear <input type="checkbox"/> drift <input type="checkbox"/> other <input type="checkbox"/> phys <input type="checkbox"/> (explain)	Depth min. _____ m max. _____ m	Flowmeter meter # _____ final rev. _____ initial rev. _____ Total _____	Tow Time mess. net 1 _____ at depth _____ haul in _____ mess. net 2 _____ Total _____

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet <input type="checkbox"/>	Brain <input type="checkbox"/>	J-Length <input type="checkbox"/>	L-Gut <input type="checkbox"/>	QTowF <input type="checkbox"/>	fish removed Y / N
A-Gut <input type="checkbox"/>	CAT <input type="checkbox"/>	J-Oto <input type="checkbox"/>	L-Hist <input type="checkbox"/>	QTowS <input type="checkbox"/>	RCountL <input type="checkbox"/>
A-Length <input type="checkbox"/>	Discard <input checked="" type="checkbox"/>	J-Wght <input type="checkbox"/>	L-Musc <input type="checkbox"/>	Pred <input type="checkbox"/>	Shrink <input type="checkbox"/>
A-Oto <input type="checkbox"/>	J-Genet <input type="checkbox"/>	L-Bioch <input type="checkbox"/>	L-Oto <input type="checkbox"/>	RCountE <input type="checkbox"/>	sample <input type="checkbox"/>
A-Wght <input type="checkbox"/>	J-Gut <input type="checkbox"/>	L-Genet <input type="checkbox"/>	Merist <input type="checkbox"/>	RCountJ <input type="checkbox"/>	sample <input type="checkbox"/>

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CTDB

FOCI Cruise 3km03 Station 33 Haul 1 FOCI Station ATB6 Alt. Station CTD033
(e.g. AMF99) (e.g. HJ45 or FOX058)

Ship's Cruise km0313 GMT-Date 17 Sep 03 GM-Time 1353 Bottom Depth 210 ftr
(e.g. MF99-08) (e.g. 20 May-99)

DLat 58 MLat 42.15 °N DLong 148 MLong 51.08 °W

Haul Comments Seas picking up, stopped at 200m, 10m above bottom.

Gear CTDB

Net N

Mesh —

µm

please see FOCI Field Manual for Gear abbreviations

Performance

good ☒ quest ☐ fail ☐ lost ☐
(explain if not good)

Purpose

gridpre ☐ pinksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☒ (explain)

Depth

min. 0 m
max. 200 m

Wire Out

min. — m
max. — m

Flowmeter

meter # —
final rev. —
initial rev. —
Total —

Tow Time

mess. net 0 —
at depth —
haul in —
mess. net 1 —
Total —

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor	<input checked="" type="checkbox"/> 4	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input checked="" type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor	<input checked="" type="checkbox"/>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

CTDB Bottle

Sample Info

please record all samples collected (each bottle should have its own record)

Depth	Chlor	Nut	MZ	other
<u>0</u>	<u>281</u>	bottle#	X	X
<u>10</u>	<u>283</u>	bottle#	X	X
<u>20</u>	<u>281</u>	bottle#	X	X
<u>50</u>	<u>283</u>	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Gear —

Net —

Mesh —

µm

please see FOCI Field Manual for Gear abbreviations

Performance

good ☐ quest ☐ fail ☐ lost ☐
(explain if not good)

Purpose

gridpre ☐ pinksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☐ (explain)

Depth

min. — m
max. — m

Wire Out

min. — m
max. — m

Flowmeter

meter # —
final rev. —
initial rev. —
Total —

Tow Time

mess. net 1 —
at depth —
haul in —
mess. net 2 —
Total —

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

CDD080

FOCI Cruise 3KM03 Station 080 Haul 1 FOCI Station ENW3 Alt. Station ENW3 (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 25-Sep03 GM-Time 23919 Bottom Depth 390 m (e.g. MF99-08)

DLat 58 MLat 14.91 °N DLong 148 MLong 42.5 °W

Haul Comments AT edge of slope near eddy

Gear CTPB

Net N

Mesh — µm

please see FOCI Field Manual for Gear abbreviations

Performance

good
quest
fail
lost
(explain if
not good)

Purpose
gridpre plnksurv
grid juvsurv
gridpost adult
diel gear
drift other
phys (explain)

Depth
min. 0 m
max. 345 m
Wire Out
min. — m
max. — m

Flowmeter
meter # —
final rev. —
initial rev. —
Total —

Tow Time
mess. net 0 —
at depth —
haul in —
mess. net 1 —
Total —

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor <u>E</u>	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR <u>E</u>	<input type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor <u>E</u>	<input type="checkbox"/>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

CTDB Bottle

Sample Info

please record all
samples collected
(each bottle should
have its own record)

Depth	Chlor	Nut	MZ	other
<u>281</u>	<u>vol</u>	bottle#	X	X
<u>283</u>	<u>vol</u>	bottle#	X	X
<u>281</u>	<u>vol</u>	bottle#	X	X
<u>288</u>	<u>vol</u>	bottle#	X	X
<u>279</u>	<u>vol</u>	bottle#	X	X
<u>175</u>	<u>vol</u>	bottle#	X	X

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Gear Bongo

Net 60m Mesh 505 µm

please see FOCI Field Manual for Gear abbreviations

Performance

good
quest
fail
lost
(explain if
not good)

Purpose
gridpre plnksurv
grid juvsurv
gridpost adult
diel gear
drift other
phys (explain)

Depth
min. — m
max. — m
Wire Out
min. — m
max. — m

Flowmeter
meter # —
final rev. —
initial rev. —
Total —

Tow Time
mess. net 1 —
at depth —
haul in —
mess. net 2 —
Total —

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CT

CTD081

FOCI Cruise 3KM03 Station 081 Haul I FOCI Station ENW4 Alt. Station ENW4
(e.g. 4MF99) (e.g. HU45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 26SEP03 GM-Time 01:00 Bottom Depth 546 m
(e.g. MF99-08) (e.g. 20-May-99)

DLat 58 MLat 12.70 °N DLong 148 MLong 40.33 °W

Haul Comments

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input checked="" type="checkbox"/> phys
(explain)

Depth
min. <u>0</u> m
max. <u>535</u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 0 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 1 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor <u>44</u>	<input checked="" type="checkbox"/>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR <u>5</u>	<input checked="" type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor <u>5</u>	<input checked="" type="checkbox"/>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other
<u>0</u>	<u>28d</u>	bottle#	X	X
<u>10</u>	<u>28d</u>	bottle#	X	X
<u>20</u>	<u>28d</u>	bottle#	X	X
<u>50</u>	<u>28d</u>	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input type="checkbox"/> phys
(explain)

Depth
min. <u> </u> m
max. <u> </u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 1 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 2 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 3KM03 Station 082 Haul 1 FOCI Station ENW5 Alt. Station ENW5
(e.g. 4MF89) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 26-SEP-03 GM-Time 0230 Bottom Depth 898 m
(e.g. MF89-08) (e.g. 20-May-99)

DLat 58 MLat 11.08 °N DLong 148° MLong 37.29 °W

Haul Comments CTD hit bottom. sediment on sea point fluorometer

Gear CTDB

Net N

Mesh — µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input checked="" type="checkbox"/> phys
(explain)

Depth
min. <u>0</u> m
max. <u>814</u> m
Wire Out
min. <u>—</u> m
max. <u>—</u> m

Flowmeter
meter # <u>—</u>
final rev. <u>—</u>
initial rev. <u>—</u>
Total <u>—</u>

Tow Time
mess. net 0 <u>—</u>
at depth <u>—</u>
haul in <u>—</u>
mess. net 1 <u>—</u>
Total <u>—</u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	<input checked="" type="checkbox"/> Chlo	<u>E</u>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bloch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor	<u>E</u>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

4

CTDB Bottle
Sample Info
please record all
samples collected
(each bottle should
have its own record)

Depth	Chlor	Nut	MZ	other
<u>0</u>	<u>281</u>	bottle#	X	X
<u>10</u>	<u>283</u>	bottle#	X	X
<u>20</u>	<u>281</u>	bottle#	X	X
<u>30</u>	<u>281</u>	bottle#	X	X
<u>50</u>	<u>279</u>	bottle#	X	X
m	volume	bottle#	X	X

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Gear

Net

Mesh

please see FOCI Field Manual for Gear abbreviations

Performance
<input type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input type="checkbox"/> phys
(explain)

Depth
min. <u>—</u> m
max. <u>—</u> m
Wire Out
min. <u>—</u> m
max. <u>—</u> m

Flowmeter
meter # <u>—</u>
final rev. <u>—</u>
initial rev. <u>—</u>
Total <u>—</u>

Tow Time
mess. net 1 <u>—</u>
at depth <u>—</u>
haul in <u>—</u>
mess. net 2 <u>—</u>
Total <u>—</u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Pred
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bloch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	RCountE
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	RCountJ

4

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CLK

FOCI Cruise 2603 Station 83 Haul 1 FOCI Station ENVW6 Alt. Station CID083
(e.g 4MF99) (e.g HU45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise RMOB13 GMT-Date 26 Sep 03 GM-Time 0459 Bottom Depth 1175 m
(e.g MF99-08) (e.g 20-May-99)

DLat 58 MLat 8151 °N DLong 148 MLong 29.67 °W

Haul Comments Sea print fluorometer put from hitting bottom.
50m bottle misfired.

Gear CIDB Net N

Mesh — µm

please see FOCI Field Manual for Gear abbreviations

Performance
☒ good
quest
fail
lost
(explain if
not good)

Purpose
gridpre
grid
gridpost
diel
drift
phys
pinksurv
juvsurv
adult
gear
other
(explain)

Depth
min. 0 m
max. 1140 m
Wire Out
min. — m
max. — m

Flowmeter
meter # —
final rev. —
initial rev. —
Total —

Tow Time
mess. net 0 —
at depth —
haul in —
mess. net 1 —
Total —

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor	<input checked="" type="checkbox"/>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bloch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor	<input checked="" type="checkbox"/>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other
<u>10</u>	<u>2881</u>	bottle#	X	X
<u>10</u>	<u>2883</u>	bottle#	X	X
<u>20</u>	<u>2881</u>	bottle#	X	X
<u>30</u>	<u>2888</u>	bottle#	X	X
<u>75</u>	<u>2889</u>	bottle#	X	X
<u>m</u>	volume	bottle#	X	X

Depth	Chlor	Nut	MZ	other
<u>m</u>	volume	bottle#	X	X
<u>m</u>	volume	bottle#	X	X
<u>m</u>	volume	bottle#	X	X
<u>m</u>	volume	bottle#	X	X
<u>m</u>	volume	bottle#	X	X
<u>m</u>	volume	bottle#	X	X

Gear —

Net —

Mesh — µm

please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if
not good)

Purpose
gridpre
grid
gridpost
diel
drift
phys
pinksurv
juvsurv
adult
gear
other
(explain)

Depth
min. — m
max. — m
Wire Out
min. — m
max. — m

Flowmeter
meter # —
final rev. —
initial rev. —
Total —

Tow Time
mess. net 1 —
at depth —
haul in —
mess. net 2 —
Total —

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bloch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CA

FOCI Cruise 20M03 Station 84 Haul 1 FOCI Station ENL07 Alt. Station C90084
(e.g 4MF99) (e.g HU45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 24 Sep03 GM-Time 0700 Bottom Depth 1351 m
(e.g MF98-08) (e.g 20-May-98)

DLat 58 MLat 3.12 °N DLong 148 MLong 15.63 °W

Haul Comments Seapoint fluorometer cleaned before cast

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance	good quest fail lost (explain if not good)
-------------	---

Purpose	gridpre grid gridpost diel drift phys
	pinksurv juvsurv adult gear other (explain)

Depth	min. <u>0</u> m max. <u>1330</u> m
Wire Out	min. <u> </u> m max. <u> </u> m

Flowmeter	meter # <u> </u> final rev. <u> </u> initial rev. <u> </u> Total <u> </u>
-----------	--

Tow Time	mess. net 0 <u> </u> at depth <u> </u> haul in <u> </u> mess. net 1 <u> </u> Total <u> </u>
----------	--

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Samples Collected

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor	<input checked="" type="checkbox"/>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input checked="" type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor	<input checked="" type="checkbox"/>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other	other
<u>10</u>	<u>281</u>	bottle#	X	X	X
<u>10</u>	<u>281</u>	bottle#	X	X	X
<u>20</u>	<u>281</u>	bottle#	X	X	X
<u>30</u>	<u>281</u>	bottle#	X	X	X
<u>50</u>	<u>281</u>	bottle#	X	X	X
m	volume	bottle#	X	X	X

Depth	Chlor	Nut	MZ	other	other
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X
m	volume	bottle#	X	X	X

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance	good quest fail lost (explain if not good)
-------------	---

Purpose	gridpre grid gridpost diel drift phys
	pinksurv juvsurv adult gear other (explain)

Depth	min. <u> </u> m max. <u> </u> m
Wire Out	min. <u> </u> m max. <u> </u> m

Flowmeter	meter # <u> </u> final rev. <u> </u> initial rev. <u> </u> Total <u> </u>
-----------	--

Tow Time	mess. net 1 <u> </u> at depth <u> </u> haul in <u> </u> mess. net 2 <u> </u> Total <u> </u>
----------	--

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	sample

Cruise Operations Database

Data Entered _____ Error Checked ☒ Scientist CAT

FOCI Cruise 3X03 Station 85 Haul 1 FOCI Station ENW8 Alt. Station AD085
(e.g 4MF99) (e.g H45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 26 Sep 03 GM-Time 1031 Bottom Depth 2455 m
(e.g MF99-08) (e.g 20-May-99)

DLat 57 MLat 55.88 °N DLong 148 MLong 0.22 °W

Haul Comments Seapoint+fluor odd upcast

Gear <u>CTDB</u>	Net <u>N</u>	Mesh _____ μ m	please see FOCI Field Manual for Gear abbreviations	
Performance <u>good</u> quest fail lost (explain if not good)	Purpose gridpre grid gridpost diel drift phys pinksurv juvsurv adult gear other (explain)	Depth min. _____ m max. <u>2000</u> m	Flowmeter meter # _____ final rev. _____ initial rev. _____ Total _____	Tow Time mess. net 0 _____ at depth _____ haul in _____ mess. net 1 _____ Total _____

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor	<u>25</u>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor	<u>E</u>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

CTDB Bottle Sample Info please record all samples collected (each bottle should have its own record)	Depth	<u>6</u>	Chlor	<u>2000</u>	Nut	<input type="checkbox"/>	MZ	<input type="checkbox"/>	other	<input type="checkbox"/>	Depth	<u>m</u>	Chlor	volume	bottle#	<input type="checkbox"/>	Nut	<input type="checkbox"/>	MZ	<input type="checkbox"/>	other	<input type="checkbox"/>
		<u>10</u>	<u>2000</u>	<u>2000</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>
		<u>20</u>	<u>2000</u>	<u>2000</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>
		<u>30</u>	<u>2000</u>	<u>2000</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>
		<u>50</u>	<u>2000</u>	<u>2000</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>
		<u>m</u>	volume	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>	<u>m</u>

Gear _____	Net _____	Mesh _____ μ m	please see FOCI Field Manual for Gear abbreviations		
Performance good quest fail lost (explain if not good)	Purpose gridpre grid gridpost diel drift phys pinksurv juvsurv adult gear other (explain)	Depth min. _____ m max. _____ m	Wire Out min. _____ m max. _____ m	Flowmeter meter # _____ final rev. _____ initial rev. _____ Total _____	Tow Time mess. net 1 _____ at depth _____ haul in _____ mess. net 2 _____ Total _____

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 36M03 Station 86 Haul 1 FOCI Station ENW9 Alt. Station 08086
(e.g 4MF99)

Ship's Cruise KM0313 GMT-Date 26 Sep 03 GM-Time 1328 Bottom Depth 3429 m
(e.g MF99-08)

DLat 57 MLat 49, 05 °N DLong 147 MLong 44, 78 °W

Haul Comments

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance

good ☒ quest ☐ fail ☐ lost ☐
(explain if not good)

Purpose

gridpre ☐ plnksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
(explain)

Depth

min. 8 m
max. 2600 m

Wire Out

min. m
max. m

Flowmeter

meter #
final rev.
initial rev.
Total

Tow Time

mess. net 0
at depth
haul in
mess. net 1
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb ☐
ADCP ☐
A-Genet ☐
A-Gut ☐
A-Length ☐
A-Oto ☐
Asound ☐
A-Wght ☐
Brain ☐
CAT ☐

ChLAM ☐
Chlorophyll a 5
CTD ☐
Deploy ☐
Discard ☒
EBKG ☐
EK500 ☐
Fluor ☒
J-Genet ☐
J-Gut ☐

J-Length ☐
J-Oto ☐
J-Wght ☐
L-Bioch ☐
L-Genet ☐
L-Gut ☐
L-Hist ☐
Live ☐
L-Musc ☐
L-Oto ☐

Lugols ☐
Merist ☐
MZ ☐
NetFluor ☐
Nut ☐
Ovary ☐
PAR ☐
PhytoF ☐
POC ☐
Pred ☐

QTowF ☐
QTowS ☐
RCountE ☐
RCountJ ☐
RCountL ☐
Recovery ☐
ScanMar ☐
Shrink ☐
SSF ☐
Strip ☐
TSG ☐
VideoNet ☐
XBT ☐
sample ☐
sample ☐
sample ☐
sample ☐
sample ☐
sample ☐

CTDB Bottle

Sample Info

please record all samples collected (each bottle should have its own record)

Depth	Chlor	Nut	MZ	other
<u>60</u>	<u>2001</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>610</u>	<u>2003</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>200</u>	<u>2001</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>300</u>	<u>2003</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>510</u>	<u>2001</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
m	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Gear

Net

Mesh

µm

please see FOCI Field Manual for Gear abbreviations

Performance

good ☐ quest ☐ fail ☐ lost ☐
(explain if not good)

Purpose

gridpre ☐ plnksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☐ (explain)

Depth

min. m
max. m

Wire Out

min. m
max. m

Flowmeter

meter #
final rev.
initial rev.
Total

Tow Time

mess. net 1
at depth
haul in
mess. net 2
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet ☐
A-Gut ☐
A-Length ☐
A-Oto ☐
A-Wght ☐

Brain ☐
CAT ☐
Discard ☒
J-Genet ☐
J-Gut ☐

J-Length ☐
J-Oto ☐
J-Wght ☐
L-Bioch ☐
L-Genet ☐

L-Gut ☐
L-Hist ☐
L-Musc ☐
L-Oto ☐
Merist ☐

QTowF ☐
QTowS ☐
Pred ☐
RCountE ☐
RCountJ ☐
RCountL ☐
Shrink ☐
sample ☐
sample ☐

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CLH CTD 87

FOCI Cruise 3KM03 (e.g. 4MF89) Station 087 Haul 1 FOCI Station ENW10 (e.g. HU45 or FOX058) Alt. Station ~~ENW10~~

Ship's Cruise KM0313 (e.g. MF99-08) GMT-Date 26 SEP 03 GM-Time 1608 Bottom Depth 4922 m

DLat 57 MLat 42.09 °N DLong 147 MLong 29.95 °W

Haul Comments _____

Gear CDB

Net N

Mesh ← µm

please see FOCI Field Manual for Gear abbreviations

Performance	gridpre grid gridpost diel drift phys
<input checked="" type="checkbox"/> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost (explain if not good)	plnksurv juvsurv adult gear other (explain)

Purpose	plnksurv juvsurv adult gear other (explain)
<input type="checkbox"/> gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input checked="" type="checkbox"/> phys	

Depth	min. <u>0</u> m max. <u>2000</u> m
Wire Out	min. <u> </u> m max. <u> </u> m

Flowmeter	meter # <u> </u> final rev. <u> </u> initial rev. <u> </u> Total <u> </u>
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Tow Time	mess. net 0 <u> </u> at depth <u> </u> haul in <u> </u> mess. net 1 <u> </u> Total <u> </u>
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Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input checked="" type="checkbox"/> Chl <u>5</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input checked="" type="checkbox"/> Fluor	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input checked="" type="checkbox"/> Chl <u>5</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input checked="" type="checkbox"/> Fluor	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input checked="" type="checkbox"/> Chl <u>5</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input checked="" type="checkbox"/> Fluor	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input checked="" type="checkbox"/> Chl <u>5</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input checked="" type="checkbox"/> Fluor	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input checked="" type="checkbox"/> Chl <u>5</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input checked="" type="checkbox"/> Fluor	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle
Sample Info
please record all samples collected (each bottle should have its own record)

Depth	Chlor	Nut	MZ	other
0 m	<u>2011e</u>	bottle#	X	X
10 m	<u>2011e</u>	bottle#	X	X
20 m	<u>2011e</u>	bottle#	X	X
30 m	<u>2011e</u>	bottle#	X	X
50 m	<u>2011e</u>	bottle#	X	X
m	volume	bottle#	X	X

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Gear _____

Net _____

Mesh _____ µm

please see FOCI Field Manual for Gear abbreviations

Performance	good quest fail lost (explain if not good)
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Purpose	plnksurv juvsurv adult gear other (explain)
<input type="checkbox"/> gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys	

Depth	min. <u> </u> m max. <u> </u> m
Wire Out	min. <u> </u> m max. <u> </u> m

Flowmeter	meter # <u> </u> final rev. <u> </u> initial rev. <u> </u> Total <u> </u>
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Tow Time	mess. net 1 <u> </u> at depth <u> </u> haul in <u> </u> mess. net 2 <u> </u> Total <u> </u>
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Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input checked="" type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 3KM03 Station 088 Haul 1 FOCI Station ENW11 Alt. Station ENW11 CDP88
(e.g. HJ45 or FOX058)

Ship's Cruise KM0313 GMT-Date 26SEP03 GM-Time 1911 Bottom Depth 4843 m
(e.g MF99-08) (e.g 20-May-99)

DLat 57 MLat 37.34 °N DLong 147 MLong 14.93 °W

Haul Comments

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
☒ good
☐ quest
☐ fail
☐ lost
(explain if not good)

Purpose
gridpre ☐ plinksurv
grid ☐ juvsurv
gridpost ☐ adult
diel ☐ gear
drift ☐ other
phys ☒ (explain)

Depth
min. 0 m
max. 2000 m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 0
at depth
haul in
mess. net 1
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input checked="" type="checkbox"/> Chlora	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all
samples collected
(each bottle should
have its own record)

Depth	Chlor	Nut	MZ	other
<u>0</u> m	<u>2.81</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>10</u> m	<u>2.82</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>20</u> m	<u>2.81</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>30</u> m	<u>2.83</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>50</u> m	<u>2.79</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u> m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X

Depth	Chlor	Nut	MZ	other
<u> </u> m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u> m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u> m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u> m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u> m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u> </u> m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
☐ good
☐ quest
☐ fail
☐ lost
(explain if not good)

Purpose
gridpre ☐ plinksurv
grid ☐ juvsurv
gridpost ☐ adult
diel ☐ gear
drift ☐ other
phys ☐ (explain)

Depth
min. m
max. m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 1
at depth
haul in
mess. net 2
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bloch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH CTD089

FOCI Cruise 3K03 Station 089 Haul 1 FOCI Station ENW12 Alt. Station ENW12 (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 20sep03 GM-Time 2253 Bottom Depth 4754 m (e.g. MF99-08)

DLat 57 MLat 30.92 °N DLong 148 MLong 59.66 °W (e.g. 20-May-99)

Haul Comments

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input checked="" type="checkbox"/> phys
(explain)

Depth
min. <u>200</u> m
max. <u> </u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 0 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 1 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input checked="" type="checkbox"/> Chlor <u>5</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor <u>6</u>	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other
<u>9</u>	<u>284</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>16</u>	<u>282</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>20</u>	<u>284</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>32</u>	<u>284</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>50</u>	<u>274</u>	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X

Depth	Chlor	Nut	MZ	other
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X

Gear

Net

Mesh

µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input type="checkbox"/> phys
(explain)

Depth
min. <u> </u> m
max. <u> </u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 1 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 2 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 3KMO3 Station 90 Haul 1 FOCI Station ENW13 Alt. Station ENW13 (e.g. CTD015 or MOC004)
Ship's Cruise KMO3/3 GMT-Date 27 Sep 03 GM-Time 0200 Bottom Depth 4420 m
DLat 57 MLat 24.14 °N DLong 146 MLong 45.20 °W

Haul Comments _____

Gear CTDB

Net N

Mesh _____ µm

please see FOCI Field Manual for Gear abbreviations

Performance
good ☒ quest ☐
fail ☐ lost ☐
(explain if not good)

Purpose
gridpre ☐ plnksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☒ (explain)

Depth
min. 0 m
max. 2000 m
Wire Out
min. _____ m
max. _____ m

Flowmeter
meter # _____
final rev. _____
initial rev. _____
Total _____

Tow Time
mess. net 0 _____
at depth _____
haul in _____
mess. net 1 _____
Total _____

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb ☐ ChLAM ☐
ADCP ☐ Chl ☒ ES ☐
A-Genet ☐ CTD ☐
A-Gut ☐ Deploy ☐
A-Length ☐ Discard ☒
A-Oto ☐ EBKG ☐
Asound ☐ EK500 ☐
A-Wght ☐ Fluor ☒
Brain ☐ J-Genet ☐
CAT ☐ J-Gut ☐

J-Length ☐ Lugols ☐ QTowF ☐ fish removed Y / N
J-Oto ☐ Merist ☐ QTowS ☐ TSG ☐
J-Wght ☐ MZ ☐ RCountE ☐ VideoNet ☐
L-Bioch ☐ NetFluor ☐ RCountJ ☐ XBT ☐
L-Genet ☐ Nut ☐ RCountL ☐ sample ☐
L-Gut ☐ Ovary ☐ Recovery ☐ sample ☐
L-Hist ☐ PAR ☐ ScanMar ☐ sample ☐
Live ☐ PhytoF ☐ Shrink ☐ sample ☐
L-Musc ☐ POC ☐ SSF ☐ sample ☐
L-Oto ☐ Pred ☐ Strip ☐ sample ☐

Depth	Chlor	Nut	MZ	other
<u>0</u>	<u>279</u>	bottle#	X	X
<u>10</u>	<u>283</u>	bottle#	X	X
<u>20</u>	<u>284</u>	bottle#	X	X
<u>30</u>	<u>288</u>	bottle#	X	X
<u>510</u>	<u>284</u>	bottle#	X	X
m	volume	bottle#	X	X

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Gear _____

Net _____

Mesh _____

µm

please see FOCI Field Manual for Gear abbreviations

Performance
good ☐ quest ☐
fail ☐ lost ☐
(explain if not good)

Purpose
gridpre ☐ plnksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☐ (explain)

Depth
min. _____ m
max. _____ m
Wire Out
min. _____ m
max. _____ m

Flowmeter
meter # _____
final rev. _____
initial rev. _____
Total _____

Tow Time
mess. net 1 _____
at depth _____
haul in _____
mess. net 2 _____
Total _____

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet ☐ Brain ☐
A-Gut ☐ CAT ☐
A-Length ☐ Discard ☒
A-Oto ☐ J-Genet ☐
A-Wght ☐ J-Gut ☐

J-Length ☐ L-Gut ☐ fish removed Y / N
J-Oto ☐ L-Hist ☐ QTowF ☐
J-Wght ☐ L-Musc ☐ QTowS ☐
L-Bioch ☐ L-Oto ☐ Pred ☐
L-Genet ☐ Merist ☐ RCountL ☐
Shrink ☐
sample ☐
sample ☐

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 3KMO3 Station 91 Haul 1 FOCI Station ENW14 Alt. Station ENW14 (e.g. CTD015 or MOC004)
Ship's Cruise KMO313 GMT-Date 27 Sep 03 GM-Time 0503 Bottom Depth 4174 m
(e.g. 4MF99) (e.g. MF99-08) (e.g. 20-May-99)

DLat 57 MLat 17.32 °N DLong 146 MLong 31.01 °W

Haul Comments

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
☒ good
☐ quest
☐ fail
☐ lost
(explain if not good)

Purpose
gridpre plinksurv
grid juvsurv
gridpost adult
diel gear
drift other
phys (explain)

Depth
min. 0 m
max. 2000 m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 0
at depth
haul in
mess. net 1
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor	<input checked="" type="checkbox"/>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor	<input checked="" type="checkbox"/>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

CTDB Bottle

Sample Info

please record all samples collected (each bottle should have its own record)

Depth	Chlor	Nut	MZ	other	other
<u>0</u>	<u>270</u>	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>10</u>	<u>280</u>	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>20</u>	<u>280</u>	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>30</u>	<u>280</u>	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>50</u>	<u>280</u>	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>m</u>	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Depth	Chlor	Nut	MZ	other	other
<u>m</u>	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>m</u>	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>m</u>	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>m</u>	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>m</u>	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>m</u>	volume	bottle#	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

Purpose
gridpre plinksurv
grid juvsurv
gridpost adult
diel gear
drift other
phys (explain)

Depth
min. m
max. m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 1
at depth
haul in
mess. net 2
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH CTD092

FOCI Cruise 3KM03 Station 092 Haul 1 FOCI Station ENW15 Alt. Station ENW15
(e.g. 4MF99) (e.g. HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 27SEP03 GM-Time 0834 Bottom Depth 3982 m
(e.g. MF99-08) (e.g. 20-May-99)

DLat 57 MLat 10.52 °N DLong 146 MLong 14.62 °W

Haul Comments

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance

☒ good
☐ quest
☐ fail
☐ lost
☐ (explain if not good)

Purpose

☐ gridpre
☐ grid
☐ gridpost
☐ diel
☐ drift
☒ phys
☐ planksurv
☐ juvsurv
☐ adult
☐ gear
☐ other
☐ (explain)

Depth

min. 0 m
max. 2000 m

Wire Out

min. m
max. m

Flowmeter

meter #
final rev.
initial rev.
Total

Tow Time

mess. net 0
at depth
haul in
mess. net 1
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb ☐
ADCP ☐
A-Genet ☐
A-Gut ☐
A-Length ☐
A-Oto ☐
Asound ☐
A-Wght ☐
Brain ☐
CAT ☐

ChLAM ☐
ChlorE 5
CTD ☐
Deploy ☐
Discard ☒
EBKG ☐
EK500 ☐
Fluor ☒
J-Genet ☐
J-Gut ☐

J-Length ☐
J-Oto ☐
J-Wght ☐
L-Bloch ☐
L-Genet ☐
L-Gut ☐
L-Hist ☐
Live ☐
L-Musc ☐
L-Oto ☐

Lugols ☐
Merist ☐
MZ ☐
NetFluor ☐
Nut ☐
Ovary ☐
PAR ☐
PhytoF ☐
POC ☐
Pred ☐

QTowF ☐
QTowS ☐
RCountE ☐
RCountJ ☐
RCountL ☐
Recovery ☐
ScanMar ☐
Shrink ☐
SSF ☐
Strip ☐

fish removed Y / N

TSG ☐
VideoNet ☐
XBT ☐
sample ☐
sample ☐
sample ☐
sample ☐
sample ☐
sample ☐

CTDB Bottle

Sample Info

please record all
samples collected
(each bottle should
have its own record)

Depth	Chlor	Nut	MZ	other
0 m	279	bottle#	X	X
10 m	283	bottle#	X	X
20 m	281	bottle#	X	X
30 m	288	bottle#	X	X
50 m	281	bottle#	X	X
m	volume	bottle#	X	X

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance

☐ good
☐ quest
☐ fail
☐ lost
☐ (explain if not good)

Purpose

☐ gridpre
☐ grid
☐ gridpost
☐ diel
☐ drift
☐ phys
☐ planksurv
☐ juvsurv
☐ adult
☐ gear
☐ other
☐ (explain)

Depth

min. m
max. m

Wire Out

min. m
max. m

Flowmeter

meter #
final rev.
initial rev.
Total

Tow Time

mess. net 1
at depth
haul in
mess. net 2
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet ☐
A-Gut ☐
A-Length ☐
A-Oto ☐
A-Wght ☐

Brain ☐
CAT ☐
Discard ☒
J-Genet ☐
J-Gut ☐

J-Length ☐
J-Oto ☐
J-Wght ☐
L-Bloch ☐
L-Genet ☐

L-Gut ☐
L-Hist ☐
L-Musc ☐
L-Oto ☐
Merist ☐

QTowF ☐
QTowS ☐
Pred ☐
RCountE ☐
RCountJ ☐

fish removed Y / N

RCountL ☐
Shrink ☐
sample ☐
sample ☐

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CA

FOCI Cruise 3KM03 Station 93 Haul 1 FOCI Station ENW16 Alt. Station BCK093
(e.g 4MF99) (e.g HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 27Sep03 GM-Time 1202 Bottom Depth 4080 m
(e.g MF99-08) (e.g 20-May-99)

DLat 57 MLat 3.88 °N DLong 145 MLong 58.99 °W

Haul Comments _____

Gear CTDB

Net N

Mesh _____ µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input checked="" type="checkbox"/> phys
(explain)

Depth
min. _____ m
max. <u>2000</u> m
Wire Out
min. _____ m
max. _____ m

Flowmeter
meter # _____
final rev. _____
initial rev. _____
Total _____

Tow Time
mess. net 0 _____
at depth _____
haul in _____
mess. net 1 _____
Total _____

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input type="checkbox"/> Chlor	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other
<u>0</u>	<u>2000</u>	<u>2000</u>	<u>X</u>	<u>X</u>
<u>10</u>	<u>2000</u>	<u>2000</u>	<u>X</u>	<u>X</u>
<u>20</u>	<u>2000</u>	<u>2000</u>	<u>X</u>	<u>X</u>
<u>30</u>	<u>2000</u>	<u>2000</u>	<u>X</u>	<u>X</u>
<u>50</u>	<u>2000</u>	<u>2000</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	<u>2000</u>	<u>X</u>	<u>X</u>

Depth	Chlor	Nut	MZ	other
<u>m</u>	<u>volume</u>	<u>bottle#</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	<u>bottle#</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	<u>bottle#</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	<u>bottle#</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	<u>bottle#</u>	<u>X</u>	<u>X</u>
<u>m</u>	<u>volume</u>	<u>bottle#</u>	<u>X</u>	<u>X</u>

Gear _____

Net _____

Mesh _____ µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input type="checkbox"/> phys
(explain)

Depth
min. _____ m
max. _____ m
Wire Out
min. _____ m
max. _____ m

Flowmeter
meter # _____
final rev. _____
initial rev. _____
Total _____

Tow Time
mess. net 1 _____
at depth _____
haul in _____
mess. net 2 _____
Total _____

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered _____ Error Checked ☒ Scientist CH
FOCI Cruise 3KM03 Station 094 Haul 1 FOCI Station ENW17 Alt. Station ENW17 (e.g. CTD015 or MOC004)
Ship's Cruise KM0313 GMT-Date 27SEP03 GM-Time 1513 Bottom Depth 3892 m
(e.g. 4MF99) (e.g. MF99-08) (e.g. H45 or FOX056)
DLat 56 MLat 54.42 °N DLong 145 MLong 41.58 °W

Haul Comments South END Eddy line

Gear CTDB Net N please see FOCI Field Manual for Gear abbreviations

Performance good <input checked="" type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	Purpose gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input checked="" type="checkbox"/> pinksurv <input type="checkbox"/> juvsurv <input type="checkbox"/> adult <input type="checkbox"/> gear <input type="checkbox"/> other <input type="checkbox"/> (explain)	Depth min. _____ m max. <u>2000</u> m Wire Out min. _____ m max. _____ m	Mesh _____ µm	Flowmeter meter # _____ final rev. _____ initial rev. _____ Total _____	Tow Time mess. net 0 _____ at depth _____ haul in _____ mess. net 1 _____ Total _____
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Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> Absorb	<input type="checkbox"/> ChLAM	<input type="checkbox"/> J-Length	<input type="checkbox"/> Lugols	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> ADCP	<input checked="" type="checkbox"/> Chlor <u>PS</u>	<input type="checkbox"/> J-Oto	<input type="checkbox"/> Merist	<input type="checkbox"/> QTowS	<input type="checkbox"/> TSG
<input type="checkbox"/> A-Genet	<input type="checkbox"/> CTD	<input type="checkbox"/> J-Wght	<input type="checkbox"/> MZ	<input type="checkbox"/> RCountE	<input type="checkbox"/> VideoNet
<input type="checkbox"/> A-Gut	<input type="checkbox"/> Deploy	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> NetFluor	<input type="checkbox"/> RCountJ	<input type="checkbox"/> XBT
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Nut	<input type="checkbox"/> RCountL	<input type="checkbox"/> sample
<input type="checkbox"/> A-Oto	<input type="checkbox"/> EBKG	<input type="checkbox"/> L-Gut	<input type="checkbox"/> Ovary	<input type="checkbox"/> Recovery	<input type="checkbox"/> sample
<input type="checkbox"/> Asound	<input type="checkbox"/> EK500	<input type="checkbox"/> L-Hist	<input type="checkbox"/> PAR	<input type="checkbox"/> ScanMar	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> Fluor <u>E</u>	<input type="checkbox"/> Live	<input type="checkbox"/> PhytoF	<input type="checkbox"/> Shrink	<input type="checkbox"/> sample
<input type="checkbox"/> Brain	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Musc	<input type="checkbox"/> POC	<input type="checkbox"/> SSF	<input type="checkbox"/> sample
<input type="checkbox"/> CAT	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Oto	<input type="checkbox"/> Pred	<input type="checkbox"/> Strip	<input type="checkbox"/> sample

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other
<u>10</u> m	<u>281</u> bottle#	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>20</u> m	<u>279</u> bottle#	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>30</u> m	<u>283</u> bottle#	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
<u>50</u> m	<u>288</u> bottle#	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X

Depth	Chlor	Nut	MZ	other
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X
m	volume	<input type="checkbox"/> bottle#	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X

Gear _____ Net _____ Mesh _____ µm please see FOCI Field Manual for Gear abbreviations

Performance good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	Purpose gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input type="checkbox"/> pinksurv <input type="checkbox"/> juvsurv <input type="checkbox"/> adult <input type="checkbox"/> gear <input type="checkbox"/> other <input type="checkbox"/> (explain)	Depth min. _____ m max. _____ m Wire Out min. _____ m max. _____ m	Flowmeter meter # _____ final rev. _____ initial rev. _____ Total _____	Tow Time mess. net 1 _____ at depth _____ haul in _____ mess. net 2 _____ Total _____
--	---	---	--	---

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

<input type="checkbox"/> A-Genet	<input type="checkbox"/> Brain	<input type="checkbox"/> J-Length	<input type="checkbox"/> L-Gut	<input type="checkbox"/> QTowF	<input type="checkbox"/> fish removed Y / N
<input type="checkbox"/> A-Gut	<input type="checkbox"/> CAT	<input type="checkbox"/> J-Oto	<input type="checkbox"/> L-Hist	<input type="checkbox"/> QTowS	<input type="checkbox"/> RCountL
<input type="checkbox"/> A-Length	<input type="checkbox"/> Discard	<input type="checkbox"/> J-Wght	<input type="checkbox"/> L-Musc	<input type="checkbox"/> Pred	<input type="checkbox"/> Shrink
<input type="checkbox"/> A-Oto	<input type="checkbox"/> J-Genet	<input type="checkbox"/> L-Bioch	<input type="checkbox"/> L-Oto	<input type="checkbox"/> RCountE	<input type="checkbox"/> sample
<input type="checkbox"/> A-Wght	<input type="checkbox"/> J-Gut	<input type="checkbox"/> L-Genet	<input type="checkbox"/> Merist	<input type="checkbox"/> RCountJ	<input type="checkbox"/> sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

FOCI Cruise 3KMD3 Station 95 Haul 1 FOCI Station ENW12 Alt. Station ENW12 CTD095
(e.g. 4MF99)

Ship's Cruise KMD313 GMT-Date 27-Sep-03 GM-Time 2135 Bottom Depth 4764 m
(e.g. MF99-08) (e.g. 20-May-99)

DLat 57 MLat 31.20 °N DLong 146 MLong 59.78 °W

Haul Comments Best Guess of eddy center. 10m bottle
did not fire

Gear <u>CTDB</u>	Net <u>N</u>	Mech <u> </u> µm	please see FOCI Field Manual for Gear abbreviations	
Performance <input checked="" type="checkbox"/> good quest fail lost (explain if not good)	Purpose gridpre grid gridpost diel drift phys	Depth min. <u>0</u> m max. <u>500</u> m	Flowmeter meter # final rev. initial rev. Total	Tow Time mess. net 0 at depth haul in mess. net 1 Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor <u>ELH</u>	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bloch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor <u>E</u>	<input type="checkbox"/>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

CTDB Bottle

Sample Info

please record all
samples collected
(each bottle should
have its own record)

Depth	Chlor	Nut	MZ	other	Depth	Chlor	Nut	MZ	other
<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	m	volume	bottle#	volume	bottle#
<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	m	volume	bottle#	volume	bottle#
<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	m	volume	bottle#	volume	bottle#
<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	m	volume	bottle#	volume	bottle#
<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	m	volume	bottle#	volume	bottle#
<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	m	volume	bottle#	volume	bottle#

Gear

Net

Mech µm

please see FOCI Field Manual for Gear abbreviations

Performance good quest fail lost (explain if not good)	Purpose gridpre grid gridpost diel drift phys
---	---

Purpose plnktsurv juvsurv adult gear other (explain)
--

Depth min. <u> </u> m max. <u> </u> m	Wire Out min. <u> </u> m max. <u> </u> m
---	--

Flowmeter meter # final rev. initial rev. Total

Tow Time mess. net 1 at depth haul in mess. net 2 Total
--

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bloch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH CTD096
FOCI Cruise 3KM03 Station 96 Haul 1 FOCI Station ESW1 Alt. Station ESW1 (e.g. CTD015 or MOC004)
Ship's Cruise KM0313 GMT-Date 27 Sep 03 GM-Time 2354 Bottom Depth 4752 m
DLat 57 MLat 22.54 °N DLong 147 MLong 1318 °W

Haul Comments _____

Gear CTDB Net N

please see FOCI Field Manual for Gear abbreviations

Performance
good ☒ quest ☐
fail ☐
lost ☐
(explain if not good)

Purpose
gridpre ☐ plnkSurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☒ (explain)

Depth
min. 0 m
max. 500 m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 0
at depth
haul in
mess. net 1
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb ☐ ChLAM ☐ J-Length ☐ Lugols ☐ QTowF ☐ fish removed Y / N
ADCP ☐ Chlor ☒ J-Oto ☐ Merist ☐ QTowS ☐ TSG ☐
A-Genet ☐ CTD ☒ J-Wght ☐ MZ ☐ RCountE ☐ VideoNet ☐
A-Gut ☐ Deploy ☐ L-Bioch ☐ NetFluor ☐ RCountJ ☐ XBT ☐
A-Length ☐ Discard ☒ L-Genet ☐ Nut ☐ RCountL ☐ sample ☐
A-Oto ☐ EBKG ☐ L-Gut ☐ Ovary ☐ Recovery ☐ sample ☐
Asound ☐ EK500 ☐ L-Hist ☐ PAR ☐ ScanMar ☐ sample ☐
A-Wght ☐ Fluor ☒ Live ☐ PhytoF ☐ Shrink ☐ sample ☐
Brain ☐ J-Genet ☐ L-Musc ☐ POC ☐ SSF ☐ sample ☐
CAT ☐ J-Gut ☐ L-Oto ☐ Pred ☐ Strip ☐ sample ☐

Depth	Chlor	Nut	MZ	other
<u>10</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>
<u>10</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>
<u>20</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>
<u>30</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>
<u>50</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>	<u>2091</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Depth	Chlor	Nut	MZ	other
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

CTDB Bottle Sample Info
please record all samples collected (each bottle should have its own record)

Performance
good ☐ quest ☐
fail ☐
lost ☐
(explain if not good)

Purpose
gridpre ☐ plnkSurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☐ (explain)

Depth
min. m
max. m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 1
at depth
haul in
mess. net 2
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet ☐ Brain ☐ J-Length ☐ L-Gut ☐ QTowF ☐ fish removed Y / N
A-Gut ☐ CAT ☐ J-Oto ☐ L-Hist ☐ QTowS ☐ RCountL ☐
A-Length ☐ Discard ☒ J-Wght ☐ L-Musc ☐ Pred ☐ Shrink ☐
A-Oto ☐ J-Genet ☐ L-Bioch ☐ L-Oto ☐ RCountE ☐ sample ☐
A-Wght ☐ J-Gut ☐ L-Genet ☐ Merist ☐ RCountJ ☐ sample ☐

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

CNO 097

FOCI Cruise 3KM03 Station 097 Haul 1 FOCI Station ESW2 Alt. Station ~~ESW2~~
(e.g. 4MF98) (e.g. HU45 or FOX058) (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 28 Sep 03 GM-Time 0146 Bottom Depth 4694 m
(e.g. MF98-08) (e.g. 20-May-99)

DLat 57 MLat 14.94 °N DLong 147 MLong 24.57 °W

Haul Comments NOTE - Vials + package are labeled 27SEP03

Gear CNO

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input checked="" type="checkbox"/> phys
(explain)

Depth
min. <u>0</u> m
max. <u>500</u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 0 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 1 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	<u>Chlor</u>	<u>E</u>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	NetFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor	<u>E</u>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

Depth	<u>0</u>	Chlor	<u>284</u>	Nut	<input type="checkbox"/>	MZ	<input type="checkbox"/>	other	<input type="checkbox"/>
bottle#	<u>10</u>	bottle#	<u>278</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>20</u>	bottle#	<u>281</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>30</u>	bottle#	<u>283</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>50</u>	bottle#	<u>288</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
m	<input type="checkbox"/>	volume	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	volume	<input type="checkbox"/>	bottle#	<input type="checkbox"/>

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	<u>0</u>	Chlor	<u>284</u>	Nut	<input type="checkbox"/>	MZ	<input type="checkbox"/>	other	<input type="checkbox"/>
bottle#	<u>10</u>	bottle#	<u>278</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>20</u>	bottle#	<u>281</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>30</u>	bottle#	<u>283</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>50</u>	bottle#	<u>288</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
m	<input type="checkbox"/>	volume	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	volume	<input type="checkbox"/>	bottle#	<input type="checkbox"/>

Depth	<u>m</u>	Chlor	<u>volume</u>	Nut	<input type="checkbox"/>	MZ	<input type="checkbox"/>	other	<input type="checkbox"/>
bottle#	<u>m</u>	bottle#	<u>volume</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>m</u>	bottle#	<u>volume</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>m</u>	bottle#	<u>volume</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>m</u>	bottle#	<u>volume</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>
bottle#	<u>m</u>	bottle#	<u>volume</u>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>	bottle#	<input type="checkbox"/>

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input type="checkbox"/> phys
(explain)

Depth
min. <u> </u> m
max. <u> </u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 1 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 2 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	sample

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	sample

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CU CTD098
FOCI Cruise 3KM03 Station 98 Haul 1 FOCI Station ESW3 Alt. Station ESW3 (e.g. CTD015 or MOC004)
Ship's Cruise KM0313 GMT-Date 28 Sep 03 GM-Time 0338 Bottom Depth 4625 m
DLat 57 MLat 07.64 °N DLong 147 MLong 37.38 °W

Haul Comments

Gear CTDB

Net N

Mesh

µm

please see FOCI Field Manual for Gear abbreviations

Performance
good ☒
quest ☐
fail ☐
lost ☐
(explain if not good)

Purpose
gridpre ☐ plnksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☒ (explain)

Depth
min. 0 m
max. 500 m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 0
at depth
haul in
mess. net 1
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb ☐
ADCP ☐
A-Genet ☐
A-Gut ☐
A-Length ☐
A-Oto ☐
Asound ☐
A-Wght ☐
Brain ☐
CAT ☐

ChLAM ☐
Chlor ☒
CTD ☒
Deploy ☐
Discard ☐
EBKG ☐
EK500 ☐
Fluor ☒
J-Genet ☐
J-Gut ☐

J-Length ☐
J-Oto ☐
J-Wght ☐
L-Bloch ☐
L-Genet ☐
L-Gut ☐
L-Hist ☐
Live ☐
L-Musc ☐
L-Oto ☐
Lugols ☐
Merist ☐
MZ ☐
NetFluor ☐
Nut ☐
Ovary ☐
PAR ☐
PhytoF ☐
POC ☐
Pred ☐
QTowF ☐
QTowS ☐
RCountE ☐
RCountJ ☐
RCountL ☐
Recovery ☐
ScanMar ☐
Shrink ☐
SSF ☐
Strip ☐
fish removed Y / N

CTDB Bottle
Sample Info
please record all
samples collected
(each bottle should
have its own record)

Depth	Chlor	Nut	MZ	other	other
<u>0</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>
<u>10</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>
<u>20</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>
<u>30</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>
<u>50</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Depth	Chlor	Nut	MZ	other	other
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Gear

Net

Mesh

µm

please see FOCI Field Manual for Gear abbreviations

Performance
good ☐
quest ☐
fail ☐
lost ☐
(explain if not good)

Purpose
gridpre ☐ plnksurv ☐
grid ☐ juvsurv ☐
gridpost ☐ adult ☐
diel ☐ gear ☐
drift ☐ other ☐
phys ☐ (explain)

Depth
min. m
max. m
Wire Out
min. m
max. m

Flowmeter
meter #
final rev.
initial rev.
Total

Tow Time
mess. net 1
at depth
haul in
mess. net 2
Total

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet ☐
A-Gut ☐
A-Length ☐
A-Oto ☐
A-Wght ☐

Brain ☐
CAT ☐
Discard ☐
J-Genet ☐
J-Gut ☐

J-Length ☐
J-Oto ☐
J-Wght ☐
L-Bloch ☐
L-Genet ☐
L-Gut ☐
L-Hist ☐
L-Musc ☐
L-Oto ☐
Merist ☐
QTowF ☐
QTowS ☐
Pred ☐
RCountE ☐
RCountJ ☐
fish removed Y / N

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

CTD099

FOCI Cruise 31K03 Station 099 Haul 1 FOCI Station ESW4 Alt. Station ESW4 (e.g. CTD015 or MOC004)

Ship's Cruise KM0313 GMT-Date 28 Sep03 GM-Time 0617 Bottom Depth 4419 m (e.g. MF99-08)

DLat 56 MLat 55.01 °N DLong 147 MLong 54.93 °W

Haul Comments

Gear CTDB Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input checked="" type="checkbox"/> phys
(explain)

Depth
min. <u>0</u> m
max. <u>500</u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 0 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 1 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>	ChLAM	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	Lugols	<input type="checkbox"/>	QTowF	<input type="checkbox"/>	fish removed Y / N
ADCP	<input type="checkbox"/>	Chlor	<input checked="" type="checkbox"/>	J-Oto	<input type="checkbox"/>	Merist	<input type="checkbox"/>	QTowS	<input type="checkbox"/>	TSG
A-Genet	<input type="checkbox"/>	CTD	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	MZ	<input type="checkbox"/>	RCountE	<input type="checkbox"/>	VideoNet
A-Gut	<input type="checkbox"/>	Deploy	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	NatFluor	<input type="checkbox"/>	RCountJ	<input type="checkbox"/>	XBT
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	L-Genet	<input type="checkbox"/>	Nut	<input type="checkbox"/>	RCountL	<input type="checkbox"/>	sample
A-Oto	<input type="checkbox"/>	EBKG	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	Ovary	<input type="checkbox"/>	Recovery	<input type="checkbox"/>	sample
Asound	<input type="checkbox"/>	EK500	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	PAR	<input type="checkbox"/>	ScanMar	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	Fluor	<input checked="" type="checkbox"/>	Live	<input type="checkbox"/>	PhytoF	<input type="checkbox"/>	Shrink	<input type="checkbox"/>	sample
Brain	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	POC	<input type="checkbox"/>	SSF	<input type="checkbox"/>	sample
CAT	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Oto	<input checked="" type="checkbox"/>	Pred	<input type="checkbox"/>	Strip	<input type="checkbox"/>	sample

Depth	m	Chlor	volume	Nut	bottle#	MZ	other

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	<u>0</u>	Chlor	<u>281</u>	Nut	bottle#	MZ	other
	<u>10</u>		<u>279</u>		bottle#		
	<u>20</u>		<u>281</u>		bottle#		
	<u>30</u>		<u>283</u>		bottle#		
	<u>50</u>		<u>282</u>		bottle#		
	m	volume			bottle#		

Depth	m	Chlor	volume	Nut	bottle#	MZ	other

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input type="checkbox"/> phys
(explain)

Depth
min. <u> </u> m
max. <u> </u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 1 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 2 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>	Brain	<input type="checkbox"/>	J-Length	<input type="checkbox"/>	L-Gut	<input type="checkbox"/>	fish removed Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<input type="checkbox"/>	RCountL
A-Length	<input type="checkbox"/>	Discard	<input checked="" type="checkbox"/>	J-Wght	<input type="checkbox"/>	L-Musc	<input type="checkbox"/>	Shrink
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bioch	<input type="checkbox"/>	L-Oto	<input type="checkbox"/>	sample
A-Wght	<input type="checkbox"/>	J-Gut	<input type="checkbox"/>	L-Genet	<input type="checkbox"/>	Merist	<input type="checkbox"/>	sample

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 1 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 2 <u> </u>
Total <u> </u>

Cruise Operations Database

Data Entered ☒ Error Checked ☒ Scientist CH

CTD 100

FOCI Cruise 3K03 Station 100 Haul 1 FOCI Station ESWS Alt. Station ESWS (e.g. CTD015 or MOC004)
Ship's Cruise K0313 GMT-Date 28 SEP 03 GM-Time 0744 Bottom Depth 4372 m
(e.g. 4MF98) (e.g. MF99-08) (e.g. 20-May-99)

DLat 56 MLat 51.07 °N DLong 148 MLong 00.07 °W

Haul Comments

Gear CTDB

Net N

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input checked="" type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input checked="" type="checkbox"/> phys
(explain)

Depth
min. <u>0</u> m
max. <u>500</u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 0 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 1 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

Absorb	<input type="checkbox"/>
ADCP	<input type="checkbox"/>
A-Genet	<input type="checkbox"/>
A-Gut	<input type="checkbox"/>
A-Length	<input type="checkbox"/>
A-Oto	<input type="checkbox"/>
Asound	<input type="checkbox"/>
A-Wght	<input type="checkbox"/>
Brain	<input type="checkbox"/>
CAT	<input type="checkbox"/>

ChLAM	<input type="checkbox"/>
Chlor	<input checked="" type="checkbox"/>
CTD	<input checked="" type="checkbox"/>
Deploy	<input type="checkbox"/>
Discard	<input checked="" type="checkbox"/>
EBKG	<input type="checkbox"/>
EK500	<input type="checkbox"/>
Fluor	<input checked="" type="checkbox"/>
J-Genet	<input type="checkbox"/>
J-Gut	<input type="checkbox"/>

J-Length	<input type="checkbox"/>
J-Oto	<input type="checkbox"/>
J-Wght	<input type="checkbox"/>
L-Bioch	<input type="checkbox"/>
L-Genet	<input type="checkbox"/>
L-Gut	<input type="checkbox"/>
L-Hist	<input type="checkbox"/>
Live	<input type="checkbox"/>
L-Musc	<input type="checkbox"/>
L-Oto	<input type="checkbox"/>

Lugols	<input type="checkbox"/>
Merist	<input type="checkbox"/>
MZ	<input type="checkbox"/>
NetFluor	<input type="checkbox"/>
Nut	<input type="checkbox"/>
Ovary	<input type="checkbox"/>
PAR	<input type="checkbox"/>
PhytoF	<input type="checkbox"/>
POC	<input type="checkbox"/>
Pred	<input type="checkbox"/>
QTowF	<input type="checkbox"/>
QTowS	<input type="checkbox"/>
RCountE	<input type="checkbox"/>
RCountJ	<input type="checkbox"/>
RCountL	<input type="checkbox"/>
Recovery	<input type="checkbox"/>
ScanMar	<input type="checkbox"/>
Shrink	<input type="checkbox"/>
SSF	<input type="checkbox"/>
Strip	<input type="checkbox"/>
TSG	<input type="checkbox"/>
VideoNet	<input type="checkbox"/>
XBT	<input type="checkbox"/>
sample	<input type="checkbox"/>
sample	<input type="checkbox"/>
sample	<input type="checkbox"/>
sample	<input type="checkbox"/>
sample	<input type="checkbox"/>
sample	<input type="checkbox"/>
fish removed Y / N	

CTDB Bottle

Sample Info

please record all

samples collected

(each bottle should

have its own record)

Depth	Chlor	Nut	MZ	other
0 m	20.1	bottle#	X	X
10 m	27.9	bottle#	X	X
20 m	28.1	bottle#	X	X
30 m	28.3	bottle#	X	X
50 m	28.8	bottle#	X	X
m	volume	bottle#	X	X

Depth	Chlor	Nut	MZ	other
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X
m	volume	bottle#	X	X

Gear

Net

Mesh µm

please see FOCI Field Manual for Gear abbreviations

Performance
<input type="checkbox"/> good
<input type="checkbox"/> quest
<input type="checkbox"/> fail
<input type="checkbox"/> lost
(explain if not good)

Purpose
<input type="checkbox"/> gridpre
<input type="checkbox"/> grid
<input type="checkbox"/> gridpost
<input type="checkbox"/> diel
<input type="checkbox"/> drift
<input type="checkbox"/> phys
(explain)

Depth
min. <u> </u> m
max. <u> </u> m
Wire Out
min. <u> </u> m
max. <u> </u> m

Flowmeter
meter # <u> </u>
final rev. <u> </u>
initial rev. <u> </u>
Total <u> </u>

Tow Time
mess. net 1 <u> </u>
at depth <u> </u>
haul in <u> </u>
mess. net 2 <u> </u>
Total <u> </u>

Samples Collected

circle all samples collected PLUS fill in ProjectCode(s) (in the box) and NumberSampled (on the line when applicable)

A-Genet	<input type="checkbox"/>
A-Gut	<input type="checkbox"/>
A-Length	<input type="checkbox"/>
A-Oto	<input type="checkbox"/>
A-Wght	<input type="checkbox"/>

Brain	<input type="checkbox"/>
CAT	<input type="checkbox"/>
Discard	<input checked="" type="checkbox"/>
J-Genet	<input type="checkbox"/>
J-Gut	<input type="checkbox"/>

J-Length	<input type="checkbox"/>
J-Oto	<input type="checkbox"/>
J-Wght	<input type="checkbox"/>
L-Bioch	<input type="checkbox"/>
L-Genet	<input type="checkbox"/>

L-Gut	<input type="checkbox"/>
L-Hist	<input type="checkbox"/>
L-Musc	<input type="checkbox"/>
L-Oto	<input type="checkbox"/>
Merist	<input type="checkbox"/>
QTowF	<input type="checkbox"/>
QTowS	<input type="checkbox"/>
Pred	<input type="checkbox"/>
RCountE	<input type="checkbox"/>
RCountJ	<input type="checkbox"/>
RCountL	<input type="checkbox"/>
Shrink	<input type="checkbox"/>
sample	<input type="checkbox"/>
sample	<input type="checkbox"/>
fish removed Y / N	