

# Cruise Operations Database

FOCI Cruise                      (e.g. 4MF99) Station M4-Center Haul                      FOCI Station                      Alt. Station BON001  
(e.g. HJ45 or FOX058) (e.g. CTD015 or MOC004)  
Data Entered SSJ02 Error Checked SSJ Scientist SSJ  
Ships Cruise MF02-05 GMT-Date 5-May 02 GM-Time 2200 Bottom Depth 71 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat 53 MLat 50.393 °N DLong 168 MLong 53.320 °W

Haul Comments BON001 CTD025

Gear <u>6030N</u>	Net <u>1</u>	Mesh <u>333</u>	um	please see FOCI Field Manual for Gear abbreviations	
<b>Performance</b> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	<b>Purpose</b> gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input type="checkbox"/>	<b>Depth</b> min. <u>0</u> m max. <u>71</u> m <b>Wire Out</b> min. <u>0</u> m max. <u>105</u> m	<b>Flowmeter</b> meter # <u>8990</u> final rev. <u>52542</u> initial rev. <u>50355</u> <b>Total</b> <u>2187</u>	<b>Tow Time</b> mess. net 0 <u>                    </u> at depth <u>2:02</u> haul in <u>                    </u> mess. net 1 <u>                    </u> <b>Total</b> <u>8:36</u>	

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"/>	QToF <input type="checkbox"/>	fish removed Y / N
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-Bloch <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 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 <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
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	m	volume	bottle #	x	x

Gear 2030N

Net 1

Mesh 153

um

please see FOCI Field Manual for Gear abbreviations

<b>Performance</b> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	<b>Purpose</b> gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input type="checkbox"/>	<b>Depth</b> min. <u>0</u> m max. <u>                    </u> m <b>Wire Out</b> min. <u>0</u> m max. <u>                    </u> m	<b>Flowmeter</b> meter # <u>3107</u> final rev. <u>75032</u> initial rev. <u>73150</u> <b>Total</b> <u>1882</u>	<b>Tow Time</b> mess. net 1 <u>                    </u> at depth <u>                    </u> haul in <u>                    </u> mess. net 2 <u>                    </u> <b>Total</b> <u>                    </u>
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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"/>	QToF <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-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"/>

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station M4-South Haul \_\_\_\_\_ FOCI Station \_\_\_\_\_ Alt. Station BONO02  
(e.g. 4MF99) (e.g. HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 5-May-02 GM-Time 2351 Bottom Depth 70 m  
(e.g. MF99-08) (e.g. 20-May-98)

DLG 53 MLat 39.343 °N DLong 119 MLong 01303 °W

Haul Comments CID0026

Gear LOBON Net 1 Mesh 333 um please see FOCI Field Manual for Gear abbreviations

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

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

<b>Depth</b>
min. <u>0</u> m
max. <u>61</u> m
<b>Wire Out</b>
min. <u>0</u> m
max. <u>84</u> m

<b>Flowmeter</b>
meter # <u>8990</u>
final rev. <u>54013</u>
initial rev. <u>52542</u>
<b>Total</b> <u>1471</u>

<b>Tow Time</b>
mess. net 0 _____
at depth <u>~2:39</u>
haul in _____
mess. net 1 _____
<b>Total</b> <u>6:43</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 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 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 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 <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
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

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

Gear LOBON Net 1 Mesh 153 um please see FOCI Field Manual for Gear abbreviations

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

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

<b>Depth</b>
min. _____ m
max. _____ m
<b>Wire Out</b>
min. _____ m
max. _____ m

<b>Flowmeter</b>
meter # <u>3107</u>
final rev. <u>36336</u>
initial rev. <u>35032</u>
<b>Total</b> <u>1344</u>

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

## 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-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"/>

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station MA-06A Haul 1 FOCI Station \_\_\_\_\_ Alt. Station BON003  
(e.g. 4MF99) (e.g. HJ45 or FOX058)

Ships Cruise MF02-05 GMT-Date 6-May-02 GM-Time 0158 Bottom Depth 68 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat 57 MLat 55.489 °N DLong 169 MLong 19.293 °W

Haul Comments CTD023

Gear GORDON Net 1 Mesh 333 um please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

Depth
min. <u>0</u> m
max. <u>56</u> m
Wire Out
min. <u>0</u> m
max. <u>74</u> m

Flowmeter
meter # <u>8990</u>
final rev. <u>55421</u>
initial rev. <u>54013</u>
Total <u>1408</u>

Tow Time
mess. net 0
at depth <u>2:18</u>
haul in
mess. net 1
Total <u>6:12</u>

12  
53

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 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 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 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	<input type="checkbox"/>

## CTDB Bottle Sample info

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

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

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

Gear GORDON

Net 1

Mesh 153

um

please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

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

Flowmeter
meter # <u>3103</u>
final rev. <u>33633</u>
initial rev. <u>36336</u>
Total <u>1261</u>

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"/>
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-Bloch	<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"/>

fish removed	Y / N
RCountL	<input type="checkbox"/>
Shrink	<input type="checkbox"/>
sample	<input type="checkbox"/>
sample	<input type="checkbox"/>

# Cruise Operations Database

FOCI Cruise                      (e.g. 4MF99) Station 04-105-Haul 1 FOCI Station                      (e.g. HJ45 or FOX058) Alt. Station BON004 (e.g. CTD015 or MOC004)

Ships Cruise 11F02-05 (e.g. MF99-08) GMT-Date 6-MAY-02 (e.g. 20-May-99) GM-Time 0414 Bottom Depth 70 m

DLat 58 MLat 04.04 °N DLong 168 MLong 43.89 °W

Haul Comments CTD028

@ depth ~15-30 m

Gear LOBON Net 1 Mesh 333 um 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. 60 m  
**Wire Out**  
min. 0 m  
max. 33 m

**Flowmeter**  
meter # 8990  
final rev. 56836  
initial rev. 55421  
**Total** 1415

**Tow Time**  
mess. net 0 ☐  
at depth ~2:30  
haul in ☐  
mess. net 1 ☐  
**Total** 6:05

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

## Samples Collected

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 ☐

fish removed Y / N  
QTowF ☐ TSG ☐  
QToWS ☐ VideoNet ☐  
RCountE ☐ XBT ☐  
RCountJ ☐ sample ☐  
RCountL ☐ sample ☐  
Recovery ☐ sample ☐  
ScanMar ☐ sample ☐  
Shrink ☐ sample ☐  
SSF ☐ sample ☐  
Strip ☐ sample ☐

## CTDB Bottle Sample info

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

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

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 LOBON Net 1 Mesh 153 um 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 # 3103  
final rev. 38867  
initial rev. 33637  
**Total** 1230

**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)

## Samples Collected

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 ☐

fish removed Y / N  
RCountL ☐  
Shrink ☐  
sample ☐  
sample ☐

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station MA-6 Haul 1 FOCI Station \_\_\_\_\_ Alt. Station BON005  
(e.g. 4MF99) (e.g. HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 6-MAY-02 GM-Time 0636 Bottom Depth 69 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat 57 MLat 46.07 °N DLong 168 MLong 28.05 °W

Haul Comments CTD029

Gear LOBON Net 1 Mesh 333 um please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

Purpose
gridpre
grid
gridpost
diel
drift
phys
(explain)

Depth
min. <u>0</u> m
max. <u>63</u> m
Wire Out
min. <u>0</u> m
max. <u>85</u> m

Flowmeter
meter # <u>8990</u>
final rev. <u>58409</u>
initial rev. <u>56836</u>
Total <u>1533</u>

Tow Time
mess. net 0
at depth <u>2:36</u>
haul in
mess. net 1
Total <u>6:42</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 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 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"/>
Around	<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	<input type="checkbox"/>

## CTDB Bottle Sample info

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

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

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

Gear 2

please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

Purpose
gridpre
grid
gridpost
diel
drift
phys
(explain)

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

Flowmeter
meter # <u>3103</u>
final rev. <u>80329</u>
initial rev. <u>78863</u>
Total <u>1462</u>

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	<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"/>
QToF	<input type="checkbox"/>
QToW	<input type="checkbox"/>
Pred	<input type="checkbox"/>
RCountE	<input type="checkbox"/>
RCountJ	<input type="checkbox"/>
Shrink	<input type="checkbox"/>
sample	<input type="checkbox"/>
sample	<input type="checkbox"/>

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station Ma Haul 1 FOCI Station \_\_\_\_\_ Alt. Station BONOOL6  
(e.g. 4MF99) (e.g. HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 07-May-02 GM-Time 0319 Bottom Depth 71 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat 56 MLat 52.39 °N DLong 164 MLong 03.23 °W

Haul Comments CTD035

Gear LOBON Net 1 Mesh 333 um 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. 63 m  
**Wire Out**  
min. \_\_\_\_\_ m  
max. 82 m

**Flowmeter**  
meter # 8990  
final rev. 59827  
initial rev. 58409  
Total 1418

**Tow Time**  
mess. net 0 \_\_\_\_\_  
at depth 2:27  
haul in \_\_\_\_\_  
mess. net 1 \_\_\_\_\_  
Total 6:44

## 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-Bioch ☐  
L-Genet ☐  
L-Gut ☐  
L-Hist ☐  
Live ☐  
L-Musc ☐  
L-Oto ☐

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

QToF ☐ fish removed Y / N  
QTowS ☐ TSG  
RCountE ☐ VideoNet  
RCountJ ☐ XBT  
RCountL ☐ sample  
Recovery ☐ sample  
ScanMar ☐ sample  
Shrink ☐ sample  
SSF ☐ sample  
Strip ☐ sample

## CTDB Bottle Sample info

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

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

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

Gear 2

Net 1

Mesh 153 um

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 # 3107  
final rev. 81659  
initial rev. 80329  
Total 1330

**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 ☐

QToF ☐ fish removed Y / N  
QToWS ☐ RCountL  
Pred ☐ Shrink  
RCountE ☐ sample  
RCountJ ☐ sample

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise                      Station 22-EAST Haul 1 FOCI Station                      Alt. Station BON007  
(e.g. 4MF99) (e.g. HJ45 or FOX059) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 07-MAY-02 GM-Time 0442 Bottom Depth 69 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat 56 MLat 56.38 °N DLong 163 MLong 49.85 °W

Haul Comments CTD036  
20.BON / NET 1 FLOW METER REMOVED  
20.BON / NET 2 QUANTITATIVE  
lots of ~~shrimps~~ <sup>thalassiothrix</sup>  
500 microneedles used  
for 333 units

Gear 60.BON Net 1 Mesh 333 um 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"/>
plnksurv <input type="checkbox"/>
juvsurv <input type="checkbox"/>
adult <input type="checkbox"/>
gear <input type="checkbox"/>
other <input type="checkbox"/>
(explain)

Depth
min. <u>0</u> m
max. <u>60</u> m
Wire Out
min. <u>0</u> m
max. <u>89</u> m

Flowmeter
meter # <u>8990</u>
final rev. <u>61120</u>
initial rev. <u>59823</u>
Total <u>1293</u>

Tow Time
mess. net 0 <u>          </u>
at depth <u>234</u>
haul in <u>          </u>
mess. net 1 <u>          </u>
Total <u>~7:00</u>

50  
30  
20

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 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 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 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 <input type="checkbox"/>

## CTDB Bottle Sample info

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

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

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 20.BON Net 1 Mesh            um 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"/>
plnksurv <input type="checkbox"/>
juvsurv <input type="checkbox"/>
adult <input type="checkbox"/>
gear <input type="checkbox"/>
other <input type="checkbox"/>
(explain)

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

Flowmeter
meter # <u>3107</u>
final rev. <u>          </u>
initial rev. <u>81059</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-Bloch <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"/>
fish removed Y / N <u>          </u>
RCountL <input type="checkbox"/>
Shrink <input type="checkbox"/>
sample <input type="checkbox"/>
sample <input type="checkbox"/>

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station 2030N Haul 1 FOCI Station \_\_\_\_\_ Alt. Station BON008  
(e.g. 4MF99) (e.g. H45 or FOX058)

Ships Cruise MF02-05 GMT-Date 03-MAY-02 GM-Time 0631 Bottom Depth 68 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat 53 MLat 1.09 °N DLong 164 MLong 12.80 °W

Haul Comments CTD033

Gear 6030N Net 1 Mesh 333 um please see FOCI Field Manual for Gear abbreviations

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

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

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

Flowmeter	meter # <u>8990</u>
final rev. <u>62505</u>	
initial rev. <u>61120</u>	
Total <u>1385</u>	

Tow Time	mess. net 0 _____
at depth <u>2.29</u>	
haul in _____	
mess. net 1 _____	
Total <u>6.43</u>	

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

## Samples Collected

49 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
59 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"/>
69 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 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 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 <input type="checkbox"/>

## CTDB Bottle Sample info

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

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

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 2030N Net 1 Mesh 153 um please see FOCI Field Manual for Gear abbreviations

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

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

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

Flowmeter	meter # <u>3103</u>
final rev. <u>83021</u>	
initial rev. <u>81661</u>	
Total <u>1360</u>	

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"/>
A-Gut <input type="checkbox"/>	CAT <input type="checkbox"/>
A-Length <input type="checkbox"/>	Discard <input checked="" type="checkbox"/>
A-Oto <input type="checkbox"/>	J-Genet <input type="checkbox"/>
A-Wght <input type="checkbox"/>	J-Gut <input type="checkbox"/>

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

QTowF <input type="checkbox"/>	fish removed Y / N
QTowS <input type="checkbox"/>	RCountL <input type="checkbox"/>
Pred <input type="checkbox"/>	Shrink <input type="checkbox"/>
RCountE <input type="checkbox"/>	sample <input type="checkbox"/>
RCountJ <input type="checkbox"/>	sample <input type="checkbox"/>



# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station 22-SantaHaul FOCI Station \_\_\_\_\_ Alt. Station BON009  
(e.g. 4MF99) (e.g. HJ45 or FOX059) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 3-May-02 GM-Time 0911 Bottom Depth 34 m  
(e.g. MF99-08) (e.g. 20-May-00)

DLat 56 MLat 39.62 °N DLong 163 MLong 53.11 °W

Haul Comments CTD038

Gear LOBON Net 1 Mesh 333 um please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

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

Flowmeter
meter # <u>8990</u>
final rev. <u>64639</u>
initial rev. <u>62505</u>
Total _____

Tow Time
mess. net 0 _____
at depth <u>3:14</u>
haul in _____
mess. net 1 _____
Total <u>8:34</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 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 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 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	<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
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	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 LOBON Net 1 Mesh 153 um please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

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

Flowmeter
meter # <u>3103</u>
final rev. <u>84553</u>
initial rev. <u>83021</u>
Total <u>1532</u>

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)

## Samples Collected

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-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"/>

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise MF02-05 Station M2-W Haul 1 FOCI Station BAN 010 Alt. Station BAN 010  
(e.g. 4MF99) (e.g. H45 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 3-May-02 GM-Time 1120 Bottom Depth 73 m  
(e.g. MF98-08) (e.g. 20-May-99)

DLat 56 MLat 45.33 °N DLong 164 MLong 20.34 °W

Haul Comments CTD 039

Gear 60 BDN Net 1 Mesh 333 um

please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

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

Flowmeter
meter # <u>8998</u>
final rev. <u>66615</u>
initial rev. <u>64639</u>
Total <u>1976</u>

Tow Time
mess. net 0 _____
at depth <u>2:29</u>
haul in _____
mess. net 1 _____
Total <u>6:15</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 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 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 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	<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
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"/>
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"/>

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"/>

Gear 20 BDN

Net 1

Mesh 153

um

please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

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

Flowmeter
meter # <u>5107</u>
final rev. <u>84977</u>
initial rev. <u>64553</u>
Total <u>424</u>

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"/>	fish removed	Y / N
A-Gut	<input type="checkbox"/>	CAT	<input type="checkbox"/>	J-Oto	<input type="checkbox"/>	L-Hist	<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"/>	Shrink	<input type="checkbox"/>
A-Oto	<input type="checkbox"/>	J-Genet	<input type="checkbox"/>	L-Bloch	<input type="checkbox"/>	L-Oto	<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"/>	sample	<input type="checkbox"/>

Flowmeter
meter # <u>5107</u>
final rev. <u>84977</u>
initial rev. <u>64553</u>
Total <u>424</u>

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

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise MF02-05 Station 12-N Haul 2 FOCI Station \_\_\_\_\_ Alt. Station BON 011  
(e.g. 4MF99) (e.g. HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 7-Nov-02 GM-Time 1306 Bottom Depth 30 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat 57 MLat 1.02 °N DLong 164 MLong 13.02 °W

Haul Comments \_\_\_\_\_

Gear <u>60 BON</u>	Net <u>1</u>	Mesh <u>333</u>	um	please see FOCI Field Manual for Gear abbreviations	
<b>Performance</b> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	<b>Purpose</b> gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input type="checkbox"/>	<b>Depth</b> min. _____ m max. _____ m	<b>Flowmeter</b> meter # <u>8910</u> final rev. <u>70486</u> initial rev. <u>66615</u> Total <u>3871</u>	<b>Tow Time</b> mess. net 0 _____ at depth <u>2:27</u> haul in _____ mess. net 1 _____ Total <u>6:38</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 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 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 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 <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
m	volume	bottle #	<input checked="" type="checkbox"/>	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 20 BON Net 1 Mesh 153 um

please see FOCI Field Manual for Gear abbreviations

<b>Performance</b> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	<b>Purpose</b> gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input type="checkbox"/>	<b>Depth</b> min. _____ m max. _____ m	<b>Flowmeter</b> meter # <u>3107</u> final rev. <u>86673</u> initial rev. <u>84979</u> Total <u>1696</u>	<b>Tow Time</b> mess. net 1 _____ at depth _____ haul in _____ mess. net 2 _____ 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)

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-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"/>

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station M2 Haul 1 FOCI Station \_\_\_\_\_ Alt. Station BONO12  
(e.g. 4MF98) (e.g. HJ45 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 08-May-02 GM-Time 0235 Bottom Depth \_\_\_\_\_ m  
(e.g. MF99-06) (e.g. 20-May-99)

DLat 56 MLat 51.69 °N DLong 164 MLong 0232 °W

Haul Comments \_\_\_\_\_

Gear <u>LOBON</u> Net <u>1</u> Mesh <u>333</u> um	please see FOCI Field Manual for Gear abbreviations			
<div><b>Performance</b> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)</div>	<div><b>Purpose</b> gridpre <input type="checkbox"/> plnksurv grid <input type="checkbox"/> juvsurv gridpost <input type="checkbox"/> adult diel <input type="checkbox"/> gear drift <input type="checkbox"/> other phys (explain)</div>	<div><b>Depth</b> min. <u>0</u> m max. <u>63</u> m <b>Wire Out</b> min. <u>0</u> m max. <u>83</u> m</div>	<div><b>Flowmeter</b> meter # <u>8090</u> final rev. <u>71930</u> initial rev. <u>70486</u> Total <u>1484</u></div>	<div><b>Tow Time</b> mess. net 0 _____ at depth <u>2:24</u> haul in _____ mess. net 1 _____ Total _____</div>

<sup>52</sup>  
<sup>62</sup>  
<sup>72</sup> 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"/>	QToF <input type="checkbox"/>	fish removed Y / N
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-Bloch <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 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 <input type="checkbox"/>

## CTDB Bottle

### Sample info

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

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

Depth	Chlor	Nut	MZ	other	fish removed Y / N
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 <u>LOBON</u> Net <u>1</u> Mesh <u>153</u> um	please see FOCI Field Manual for Gear abbreviations			
<div><b>Performance</b> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)</div>	<div><b>Purpose</b> gridpre <input type="checkbox"/> plnksurv grid <input type="checkbox"/> juvsurv gridpost <input type="checkbox"/> adult diel <input type="checkbox"/> gear drift <input type="checkbox"/> other phys (explain)</div>	<div><b>Depth</b> min. _____ m max. _____ m <b>Wire Out</b> min. _____ m max. _____ m</div>	<div><b>Flowmeter</b> meter # <u>3107</u> final rev. <u>88036</u> initial rev. <u>86633</u> Total <u>1363</u></div>	<div><b>Tow Time</b> mess. net 1 _____ at depth _____ haul in _____ mess. net 2 _____ Total _____</div>

## 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"/>	QToF <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-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"/>

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station M3-601 Haul 1 FOCI Station \_\_\_\_\_ Alt. Station BONO13  
(e.g. 4MF99) (e.g. H445 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 08-May-02 GM-Time 12:52 Bottom Depth 110.5 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat SL MLat 9.758 °N DLon 16L MLong 5.5 °W

Haul Comments \_\_\_\_\_

Gear LOBON Net 1 Mesh 333 um please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

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

Flowmeter
meter # <u>8990</u>
final rev. <u>74269</u>
initial rev. <u>71930</u>
Total <u>2299</u>

Tow Time
mess. net 0 _____
at depth <u>3:34</u>
haul in _____
mess. net 1 _____
Total <u>9:35</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 type="checkbox"/>
CTD	<input type="checkbox"/>
Deploy	<input type="checkbox"/>
Discard	<input checked="" type="checkbox"/>
EBKG	<input type="checkbox"/>
EK500	<input type="checkbox"/>
Fluor	<input 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"/>

QToF	<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"/>

fish removed	Y / N
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"/>

## CTDB Bottle Sample info

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

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

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

Gear LOBON Net 1 Mesh 153 um

please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

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

Flowmeter
meter # <u>3107</u>
final rev. <u>90067</u>
initial rev. <u>88036</u>
Total <u>2031</u>

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"/>
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"/>

fish removed	Y / N
RCountL	<input type="checkbox"/>
Shrink	<input type="checkbox"/>
sample	<input type="checkbox"/>
sample	<input type="checkbox"/>

# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station M3-NYH Haul \_\_\_\_\_ FOCI Station \_\_\_\_\_ Alt. Station BON014  
(e.g. 4MF99) (e.g. HU45 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 08-May-02 GM-Time 15:04 Bottom Depth 116.9 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat 56 MLat 12.523 °N DLong 166 MLong 29.7 °W

Haul Comments \_\_\_\_\_

Gear 6030N Net 1 Mesh 333 um please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

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

Flowmeter
meter # <u>8990</u>
final rev. <u>76761</u>
initial rev. <u>74269</u>
Total <u>2492</u>

Tow Time
mess. net 0 _____
at depth <u>3:47</u>
haul in _____
mess. net 1 _____
Total <u>11:20</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 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 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 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	<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
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

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

Gear 2030N Net \_\_\_\_\_ Mesh 153 um

please see FOCI Field Manual for Gear abbreviations

Performance
good
quest
fail
lost
(explain if not good)

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

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

Flowmeter
meter # <u>3107</u>
final rev. <u>92451</u>
initial rev. <u>90067</u>
Total <u>2384</u>

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 \_\_\_\_\_

FOCI Cruise \_\_\_\_\_ Station M3 South Haul \_\_\_\_\_ FOCI Station \_\_\_\_\_ Alt. Station BON 016  
(e.g. 4MF99) (e.g. H445 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 07-MAY-02 GM-Time 17:54 Bottom Depth 1228 m  
(e.g. MF99-08) (e.g. 20-May-98)

DLat SS MLat 54.996 °N DLong 166 MLong 10.0 °W

Haul Comments \_\_\_\_\_

Gear <u>LOBON</u>	Net <u>1</u>	Mesh <u>333</u>	um	please see FOCI Field Manual for Gear abbreviations	
<div><b>Performance</b> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)</div>	<div><b>Purpose</b> gridpre <input type="checkbox"/> plnksurv grid <input type="checkbox"/> juvsurv gridpost <input type="checkbox"/> adult diel <input type="checkbox"/> gear drift <input type="checkbox"/> other phys <input type="checkbox"/> (explain)</div>	<div><b>Depth</b> min. _____ m max. _____ m <b>Wire Out</b> min. _____ m max. _____ m</div>	<div><b>Flowmeter</b> meter # <u>8990</u> final rev. <u>81753</u> initial rev. <u>79584</u> <b>Total</b> <u>2169</u></div>	<div><b>Tow Time</b> mess. net 0 _____ at depth <u>3:47</u> haul in _____ mess. net 1 _____ <b>Total</b> <u>10:15</u></div>	

**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 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 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 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 <input type="checkbox"/>

## CTDB Bottle

### Sample info

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

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

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

Gear _____	Net _____	Mesh _____	um	please see FOCI Field Manual for Gear abbreviations	
<div><b>Performance</b> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)</div>	<div><b>Purpose</b> gridpre <input type="checkbox"/> plnksurv grid <input type="checkbox"/> juvsurv gridpost <input type="checkbox"/> adult diel <input type="checkbox"/> gear drift <input type="checkbox"/> other phys <input type="checkbox"/> (explain)</div>	<div><b>Depth</b> min. _____ m max. _____ m <b>Wire Out</b> min. _____ m max. _____ m</div>	<div><b>Flowmeter</b> meter # <u>3104</u> final rev. <u>96816</u> initial rev. <u>94008</u> <b>Total</b> <u>2008</u></div>	<div><b>Tow Time</b> mess. net 1 _____ at depth _____ haul in _____ mess. net 2 _____ <b>Total</b> _____</div>	

**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-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"/>



# Cruise Operations Database

Data Entered \_\_\_\_\_ Error Checked \_\_\_\_\_ Scientist \_\_\_\_\_

FOCI Cruise MF02-05 Station M3-64 Haul 1 FOCI Station 2010 Alt. Station BON017  
(e.g. 4MF99) (e.g. H445 or FOX058) (e.g. CTD015 or MOC004)

Ships Cruise MF02-05 GMT-Date 09-May-02 GM-Time 20:10 Bottom Depth 129.7 m  
(e.g. MF99-08) (e.g. 20-May-99)

DLat SS MLat S8.467 °N DLong 166 MLong 36.9 °W

Haul Comments \_\_\_\_\_

Gear <u>60BON</u>	Net <u>1</u>	Mesh <u>333</u>	um	please see FOCI Field Manual for Gear abbreviations	
<b>Performance</b> good <input type="checkbox"/> quest <input type="checkbox"/> fail <input type="checkbox"/> lost <input type="checkbox"/> (explain if not good)	<b>Purpose</b> gridpre <input type="checkbox"/> grid <input type="checkbox"/> gridpost <input type="checkbox"/> diel <input type="checkbox"/> drift <input type="checkbox"/> phys <input type="checkbox"/>	<b>Depth</b> min. _____ m max. _____ m <b>Wire Out</b> min. _____ m max. _____ m	<b>Flowmeter</b> meter # <u>8990</u> final rev. <u>85116</u> initial rev. <u>82464</u> <b>Total</b> <u>2652</u>	<b>Tow Time</b> mess. net 0 _____ at depth <u>130</u> haul in _____ mess. net 1 _____ <b>Total</b> <u>1239</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"/>	QToF <input type="checkbox"/>	fish removed Y / N
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-Bloch <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 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 <input type="checkbox"/>

## CTDB Bottle

### Sample info

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

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

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

Gear 20 BON

Net 1

Mesh 153

um

please see FOCI Field Manual for Gear abbreviations

## Performance

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

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

<b>Depth</b> min. _____ m max. _____ m <b>Wire Out</b> min. _____ m max. _____ m
---

<b>Flowmeter</b> meter # <u>3104</u> final rev. <u>99706</u> initial rev. <u>97260</u> <b>Total</b> <u>2446</u>
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<b>Tow Time</b> mess. net 1 _____ at depth _____ haul in _____ mess. net 2 _____ <b>Total</b> _____
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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"/>	fish removed Y / N
A-Gut <input type="checkbox"/>	CAT <input type="checkbox"/>	J-Oto <input type="checkbox"/>	L-Hist <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"/>	Shrink <input type="checkbox"/>
A-Oto <input type="checkbox"/>	J-Genet <input type="checkbox"/>	L-Bloch <input type="checkbox"/>	L-Oto <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"/>	sample <input type="checkbox"/>

QTowF <input type="checkbox"/>	fish removed Y / N
QTowS <input type="checkbox"/>	RCountL <input type="checkbox"/>
Pred <input type="checkbox"/>	Shrink <input type="checkbox"/>
RCountE <input type="checkbox"/>	sample <input type="checkbox"/>
RCountJ <input type="checkbox"/>	sample <input type="checkbox"/>