

CSMI

July 7-22

L. Michigan

LE II

Site Name	Station Code	Depth Strata	Lake	STIS number start	Date Site Completed	Notes
Depth						
East Lake	EAS5	5M, Mid/DCL	Michigan	1000-1001	7.17.2021	
East Lake	EAS8	5M, Mid/DCL	Michigan	1002	7.17.2021	
East Lake	EAS12	5M, Mid/DCL	Michigan	1004	7.17.2021	
East Lake	EAS17	5M, Mid/DCL	Michigan	1006	7.17.2021	
East Lake	EAS23	5M, Mid/DCL	Michigan	1008	7.17.2021	
East Lake	EAS30	5M, Mid/DCL	Michigan	1010	7.16.2021	
East Lake	EAS38	5M, Mid/DCL	Michigan	1012	7.16.2021	Started deep, sailboat contest!
Empire	EMP5	5M, Mid/DCL	Michigan	1014	7.19.2021	
Empire	EMP8	5M, Mid/DCL	Michigan	1016	7.19.2021	
Empire	EMP12	5M, Mid/DCL	Michigan	1018	7.18.2021	
Empire	EMP17	5M, Mid/DCL	Michigan	1020	7.18.2021	
Empire	EMP23	5M, Mid/DCL	Michigan	1022	7.18.2021	
Empire	EMP30	5M, Mid/DCL	Michigan	1024	7.18.2021	
Empire	EMP38	5M, Mid/DCL	Michigan	1026	7.18.2021	Started deep
Grand						
Traverse Bay	GTB5	5M, Mid/DCL	Michigan	1028	7.20.2021	Started shallow
Grand						
Traverse Bay	GTB8	5M, Mid/DCL	Michigan	1030	7.20.2021	
Grand						
Traverse Bay	GTB12	5M, Mid/DCL	Michigan	1032	7.20.2021	
Grand						
Traverse Bay	GTB17	5M, Mid/DCL	Michigan	1034	7.20.2021	
Grand						
Traverse Bay	GTB23	5M, Mid/DCL	Michigan	1036	7.21.2021	
Grand						
Traverse Bay	GTB30	5M, Mid/DCL	Michigan	1038	7.21.2021	Gasket blew in engine room, transmission leak.
Grand						
Traverse Bay	GTB38	5M, Mid/DCL	Michigan	1040	7.21.2021	DUPLICATE + BLANK
Manistique	MNQ5	5M, Mid/DCL	Michigan	1042	7.22.2021	Started shallow
Manistique	MNQ8	5M, Mid/DCL	Michigan	1044	7.22.2021	
Manistique	MNQ12	5M, Mid/DCL	Michigan	1046	7.22.2021	
Manistique	MNQ17	5M, Mid/DCL	Michigan	1048	7.22.2021	
Manistique	MNQ23	5M, Mid/DCL	Michigan	1050	7.22.2021	
Manistique	MNQ30	5M, Mid/DCL	Michigan	1052	7.22.2021	
Manistique	MNQ38	5M, Mid/DCL	Michigan	1054	7.23.2021	DUPLICATE

A. Banaji

CSMI

July 7-22

L. Michigan

LE II

Site Name	Station Code	Depth Strata	Lake	STIS number start	Date Site Completed	Notes		
Rowley's Bay			ROW5	5M, Mid/DCL	Michigan	1056	7.12.2021	May have used wrong filt for DO
Rowley's Bay			ROW8	5M, Mid/DCL	Michigan	1058	7.12.2021	
Rowley's Bay			ROW12	5M, Mid/DCL	Michigan	1060	7.12.2021	
Rowley's Bay			ROW17	5M, Mid/DCL	Michigan	1062	7.13.2021	(107)
Rowley's Bay			ROW23	5M, Mid/DCL	Michigan	1064	7.13.2021	Changed 2450 method
Rowley's Bay			ROW30	5M, Mid/DCL	Michigan	1066	7.13.2021	
Rowley's Bay			ROW38	5M, Mid/DCL	Michigan	1068	7.13.2021	BLANK
Sturgeon Bay			STU5	5M, Mid/DCL	Michigan	1070	7.15.2021	
Sturgeon Bay			STU8	5M, Mid/DCL	Michigan	1072	7.15.2021	
Sturgeon Bay			STU12	5M, Mid/DCL	Michigan	1074	7.15.2021	
Sturgeon Bay			STU17	5M, Mid/DCL	Michigan	1076	7.14.2021	
Sturgeon Bay			STU23	5M, Mid/DCL	Michigan	1078	7.14.2021	
Sturgeon Bay			STU30	5M, Mid/DCL	Michigan	1080	7.14.2021	
Sturgeon Bay			STU38	5M, Mid/DCL	Michigan	1082	7.14.2021	Started deep (due to weather)
Charlevoix			CHX5	5M, Mid/DCL	Michigan	1084		
Charlevoix			CHX8	5M, Mid/DCL	Michigan	1886		
Charlevoix			CHX12	5M, Mid/DCL	Michigan	1088		
Charlevoix			CHX17	5M, Mid/DCL	Michigan	1090		
Charlevoix			CHX23	5M, Mid/DCL	Michigan	1092		
Charlevoix			CHX30	5M, Mid/DCL	Michigan	1094		
Charlevoix			CHX38	5M, Mid/DCL	Michigan	1096		
spare set			spare set	5M, Mid/DCL	Michigan	1098		
spare set			spare set					

See notes

Field Processing Sheet		DATE 7.12.2021		Project:		CSMI L. Michigan	
CTD FILENAME CTD-ROW-8-07122021		TIME 14:08 (CDT)		Project year 2021		LE 2	
SITE ROW 8 (Rowley's Bay)		SITE DEPTH (M)		Samplers			
circle or Stratified / Unstratified		DCL seen Y / N		V	C	Ipom	PopCN
				U	F	A	M
Field sheet label		Depth M collected		total vol filtrd	total vol filtrd	# tows	Flif neuston
'L'						check if completed	Flif oblique
						check if completed	# tows
						check if completed	check if completed
DEPTHS INTEGRATED:							
L1068- CSMI-Mich 5M		5M		Fltr#	vol	shallow	deep
Mid / DCL		MidDCL		a	b	✓	✓
L1069- CSMI-Mich ROW8		label here		a	b	✓	✓
xtra		label here		a	b	✓	✓
Comments: If space is used for a field blank or duplicate, please add information here.							

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C-12

A-A' B-B'

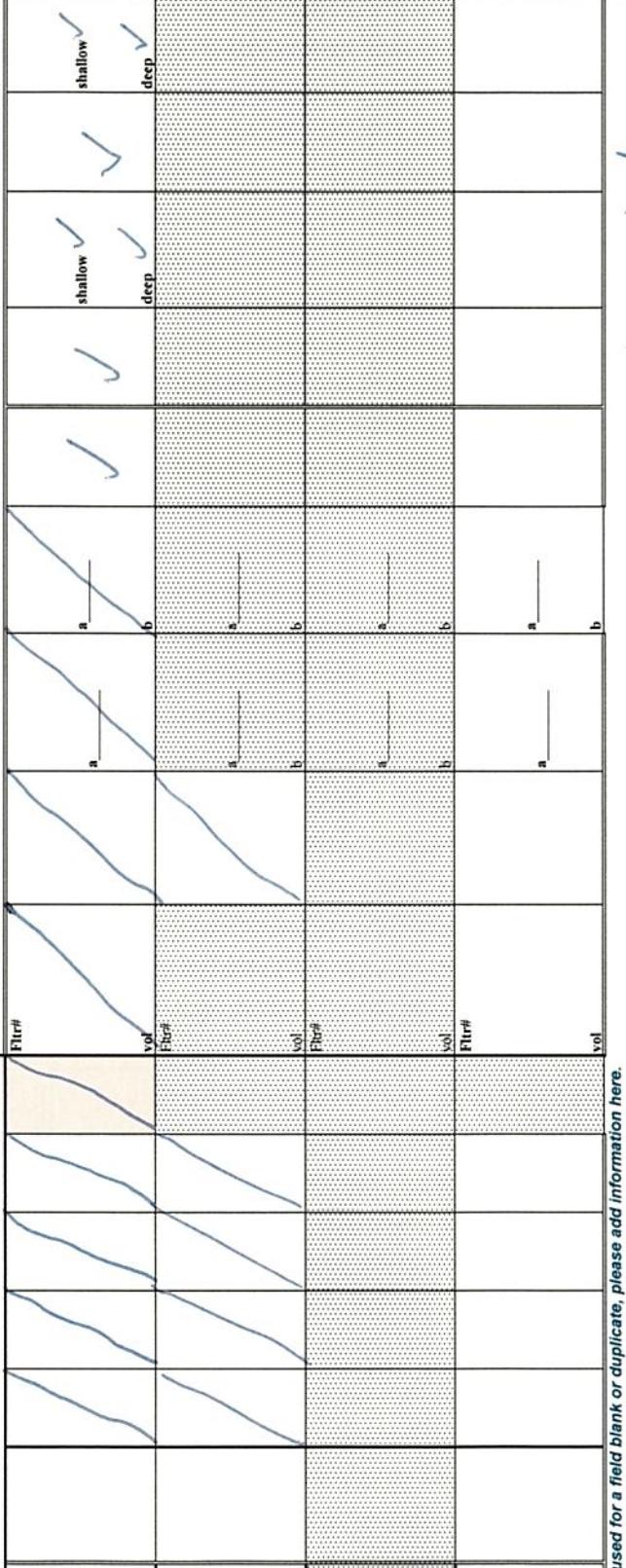
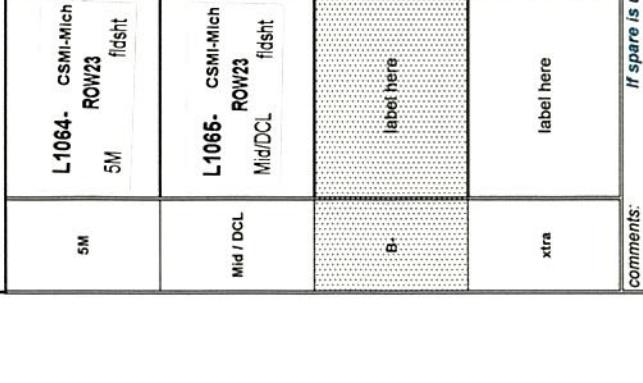
J. Benix

Field Processing Sheet		DATE 7.12.2021		Project: CSMI L. Michigan	
CTD FILENAME CTD-ROW12-07122021		TIME 16:09 (CDT)		Project year 2021	
SITE ROW12		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N		V	C
"L"		Depth M collected		U	F
Field sheet label				A	M
				D	
DEPTHS INTEGRATED:					
5M		L1060- CSMI-Mich ROW12 5M fidsht		total vol filtrd	total vol filtrd
Mid / DCL		L1061- CSMI-Mich ROW12 Mid/DCL fidsht		vol	Fltr#
B		label here		vol	Fltr#
xtra		label here		vol	Fltr#
Comments: If spare is used for a field blank or duplicate, please add information here.					

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Field Processing Sheet		DATE 7.13.2021		Project: CSM/ L. Michigan	
CTD FILENAME CTD_ROW17_07132021		TIME 09:35 (CDT)		Project year 2021	
SITE ROW17		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N			
	"L"	Depth M collected	U F A M D	V	C
	Field sheet label			Ipom	PopCN
				Ziso63	Ziso153
				Ztx64	Ftlf neuston
					Ftlf oblique
				# tows	# tows
				⊗ check if completed	⊗ check if completed
				⊗ check if completed	⊗ check if completed
				⊗ check if completed	⊗ check if completed
DEPTHs INTEGRATED:					
L1062- CSM-Mich 5M ROW17 fisht		✓ ✓ ✓ ✓ ✓		vol 1.5L	250 mL
L1063- CSM-Mich 5M ROW17 Mid/DCL fisht		✓ ✓ ✓ ✓ ✓		vol 250 mL	300 mL
Mid / DCL		label here		vol	vol
B		label here		vol	vol
xtra		label here		vol	vol
comments: If space is used for a field blank or duplicate, please add information here.					

Field Processing Sheet		DATE 7.13.2021		Project: CSMI L. Michigan	
CTD FILENAME CTD_ROW_23_07132021		TIME 11:32 (CDT)		Project year 2021	
SITE ROW 23		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N			
"L"		Depth M collected		* check if completed	
Field sheet label		U	F	A	M
		D			
DEPTHS INTEGRATED:					
5M		L1064- CSMI-Mich ROW23 fidshft		 Fltr# 1 vol Fltr# 1 vol	
Mid / DCL		L1066- CSMI-Mich ROW23 Mid/DCL fidshft		 Fltr# 2 vol Fltr# 2 vol	
B		label here		 Fltr# 3 vol Fltr# 3 vol	
xtra		label here		 Fltr# 4 vol Fltr# 4 vol	
comments: <i>If spare is used for a field blank or duplicate, please add information here.</i>					
<i>Clogging in stacked tower manifolds caps for Ziso was ineffective, by itself. Added pre-filtration steps using jury-rigged 150-μm and 63-μm testing sieves and sprouts, along w/ 1/2 bucket.</i>					

Field Processing Sheet		DATE 7.13.2021		Project: CSMI L. Michigan	
CTD FILENAME CTD_ROW_38-07132021		TIME 15:22 (CDT)		Project year 2021	
SITE ROW 38		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N		V	C
	"L"	Depth M collected	U F A M D	ipom	PoPCN
	Field sheet label			total vol filtered	total vol filtered
				check if completed	check if completed
				check if completed	check if completed
DEPTHs INTEGRATED:					
5M	L1068- ROW38 fidsht	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	Fltr# 6295 vol 1.5L	500 mL 300 mL 250 mL 250 mL
Mid / DCL	L1069- CSMI-Mich ROW38 Mid/DCL fidsht	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	Fltr# vol	250 mL 250 mL 250 mL 250 mL
B	label here	label here	label here	Fltr# vol	label here
Spare	BLANK xtra label here	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓	Fltr# 6301 vol 1.5L	250 mL 250 mL 250 mL 250 mL
comments: If spare is used for a field blank or duplicate, please add information here.					
BLANK for surface water (David Bolgrien's "dezier's choice.")					

A. Brant

Field Processing Sheet		DATE 7-14-2021		Project: CSM/ L. Michigan	
CTD FILENAME CTD-ROV-38-07/14/2021		TIME 10:19 (CDT)		Project year 2021	
SITE STU38 (Shagreen Bay)		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N			
	"1"	Field sheet label	Depth M collected	U	F A M D
				* check if completed	
				total vol filtrd	total vol filtrd
				# tows	* check if completed
					* check if completed
DEPTHS INTEGRATED:					
L1082- CSM/ Mich 5M 5M		STU38 fidst		Fltr# 6291 vol 1.5L	500mL a _____
L1083- CSM/ Mich Mid / DCL		STU38 fidst Mid/DCL		Fltr# vol 250mL	250mL b _____
B: label here				Fltr# vol	b _____
Spare xtra		DUPLICATE label here		Fltr# 6258 vol 1.5L	250mL a _____
Comments: If spare is used for a field blank or duplicate, please add information here. <u>Duplicate surface water (because "stone cold" David Bolgrien said so!).</u>					

A. Banovic

Field Processing Sheet		DATE 7/14/2021		Project: CSMI L. Michigan	
CTD FILENAME CTD-STU-30-07/4/2021		TIME 12:08 (CDT)		Project year 2021	
SITE STU30		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N		V	C
				* check if completed	
Field sheet label		Depth M collected	U	F	A
			M	M	D
DEPTHS INTEGRATED:			total vol filterd	total vol filterd	* check if completed
L1080- CSMI-Mich STU30 fldslt		5M	vol	vol	* check if completed
L1081- CSMI-Mich STU30 Mid/DCL fldslt		5M	vol	vol	* check if completed
B- label here		xtra	label here	label here	
Comments:		If spare is used for a field blank or duplicate, please add information here.			

J. Bonyi

Field Processing Sheet		DATE 7/14/2021		Project: CSM/ L. Michigan	
CTD FILENAME CTD_STU_23_07142021		TIME 13:48		Project year 2021	
SITE STU23		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N			
"L"		Depth M collected		check if completed	
Field sheet label		U	F	A	M
DEPTHS INTEGRATED:					
L1078- 5M Mid / DCL	CSML-Mich STU23 fidsht				
L1079- 5M Mid / DCL	CSML-Mich STU23 fidsht				
B: label here					
xtra label here					
Comments: If space is used for a field blank or duplicate, please add information here.					

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+2

H. Gray

11
+2

11
+2

Field Processing Sheet		DATE 7/14/2021		Project: CSMI L. Michigan	
CTD FILENAME CTD-STU-17-07142021		TIME 15:33 (CDT)		LE 2	
SITE STU17	SITE DEPTH (M)	Samplers			
	"L"	DCL seen Y / N	V	C	Ipom
	Field sheet label	Depth M collected	U	F	A
			M	M	D
DEPTHS INTEGRATED:					
5M	L1076- csmi-Mich STU17 5M fidsht	✓ ✓ ✓ ✓ ✓	vol 1.5L	250 mL	a 300 mL
Mid / DCL	L1077- csmi-Mich STU17 Mid/DCL fidsht	✓ ✓ ✓ ✓	Fltrn	250 mL	b
B-	label here		vol	Fltrn	
xtra	label here		vol	Fltrn	
			a _____	a _____	b
Comments: If space is used for a field blank or duplicate, please add information here.					

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Field Processing Sheet		DATE 7.15.2021		Project: CSMI L. Michigan	
CTD FILENAME CTD-STU12-07152021		TIME 08:57 (CDT)		Project year 2021	
SITE STU12		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N		V	C
	"L"	Field sheet label	Depth M collected	U	F
				A	M
				D	
DEPTHS INTEGRATED:					
5M	L1074- STU12 fidsht				
5M	L1075- STU12 Mid/DCL				
B:	label here				
xtra	label here				
Comments: If space is used for a field blank or duplicate, please add information here.					

M. Baug

1.7
1.8

Field Processing Sheet

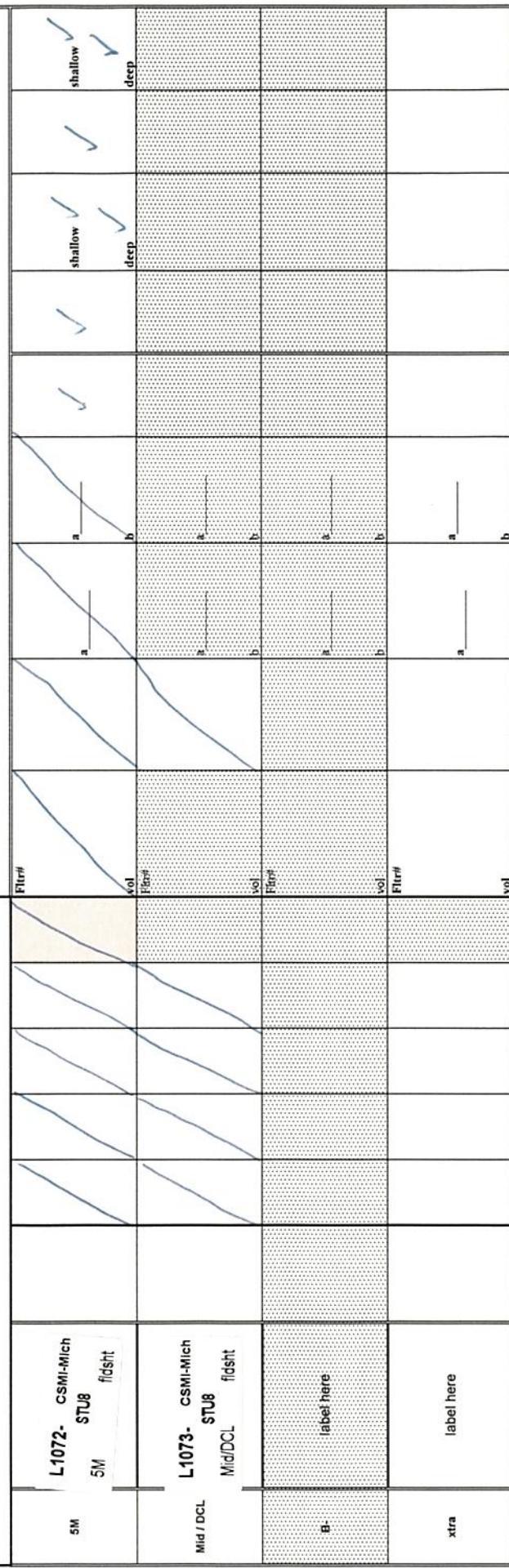
DATE	7.15.2021
TIME	10:32 (CDT)
Project:	CSMI L. Michigan
CTD FILENAME	CTD-STU8-07152021

SITE STU8

Samplers

circle or Stratified / Unstratified		DCL seen Y / N				Samplers										
		Depth M collected		U	F	A	M	V	C	Ipom	PopCN	Ziso63	Ziso153	Ztx64	Filt neuston	Filt oblique
"L"				* check if completed										# tows		
Field sheet label	Field sheet label	Depth M collected		U	F	A	M	total vol filtered								

DEPTHS INTEGRATED:



Comments: If space is used for a field blank or duplicate, please add information here.

M. Romig

Field Processing Sheet		DATE 7/15/2021		Project: CSMI L. Michigan	
CTD FILENAME CTD_STU5_07152021		TIME 12:18 (CDT)		Project year 2021	
SITE STU5		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N		V	C
				Ipom	PopCN
"L"		Depth M collected	U F A M D	total vol filtrd	Ziso63 Ziso153 Ztx64
Field sheet label				total vol filtrd	# tows # tows
					Fltr# neuston Fltr# oblique check if completed check if completed check if completed check if completed check if completed check if completed
DEPTHS INTEGRATED:					
5M	L1070- CSMI-Mich STU6 fldshft	✓ ✓ ✓ ✓ ✓	Fltr# 6296 vol 1.5L	250 mL	500 mL a 300 mL b
5M	L1071- CSMI-Mich STU6 Mid/DCL fldshft	✓ ✓ ✓ ✓	Fltr# vol 1.5L	250 mL	500 mL a b
	B- label here		Fltr# vol	500 mL a b	500 mL a b
xtra	label here		Fltr# vol	a _____	b _____
Comments: If space is used for a field blank or duplicate, please add information here.					

J. Banic

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Field Processing Sheet		DATE 7/16/2021		Project: CSMI L. Michigan								
CTD FILENAME CTD-EAS-30-07162021		TIME 15:00 (CDT)		Project year 2021								
SITE EAS 30		SITE DEPTH (M)		Samplers								
circle or Stratified / Unstratified		DCL seen Y / N		V	C	Ipom	PopCN	Ziso63	Ziso153	Ztx64	Filt neuston	Filt oblique
"L"	Field sheet label	Depth M collected	U F A M D	check if completed				# tows	# tows	# tows	# tows	# tows
DEPTHS INTEGRATED:												
5M	L1010- CSMI-Mich EAS30 fidsht	5M	vol	a	b						shallow	✓
Mid / DCL	L1011- CSMI-Mich EAS30 Mid/DCL fidsht		vol	a	b						deep	✓
B-	label here		vol	a	b							
xtra	label here		vol	a	b							

Comments: If spare is used for a field blank or duplicate, please add information here.

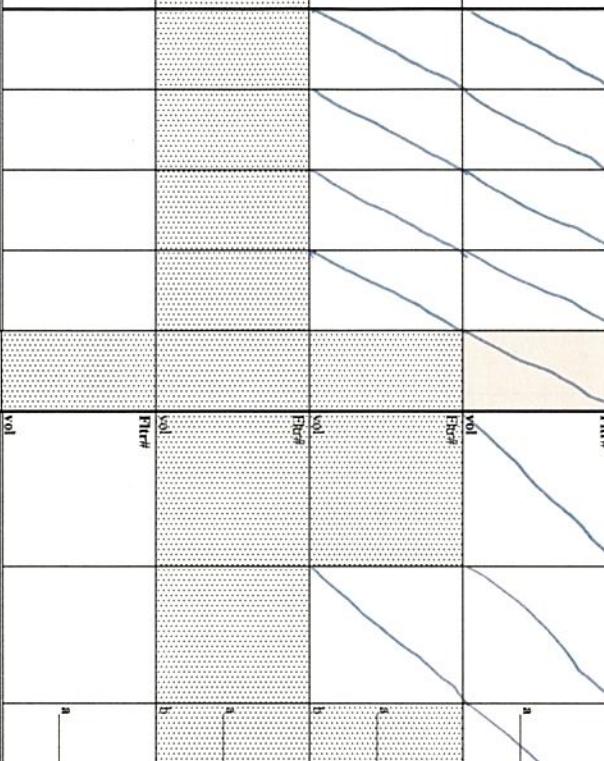
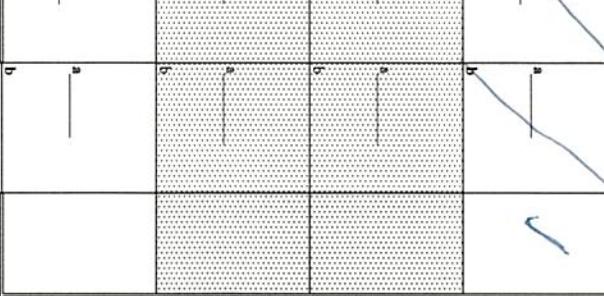
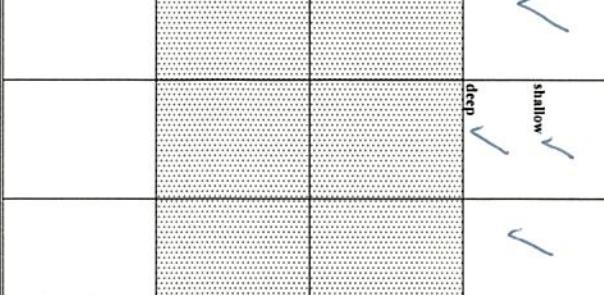
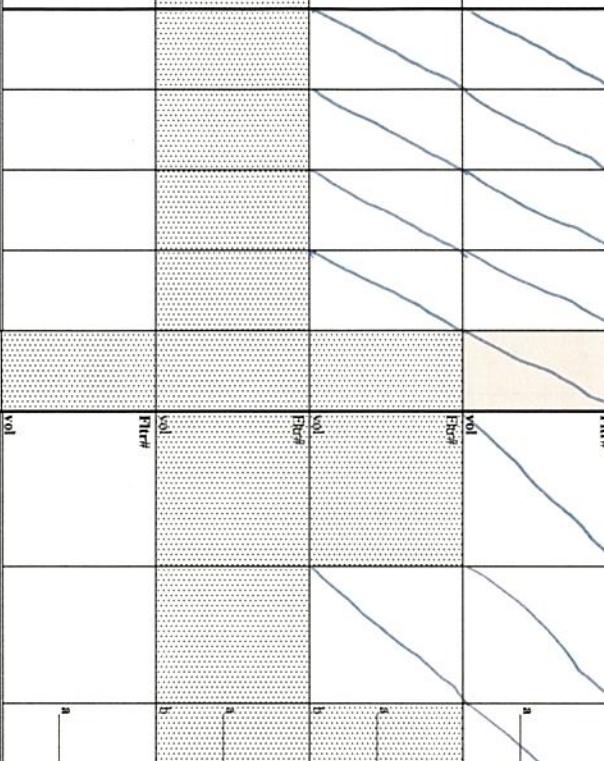
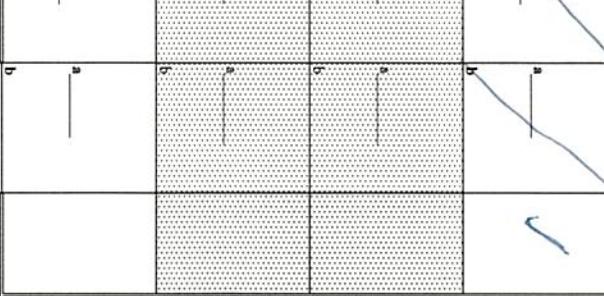
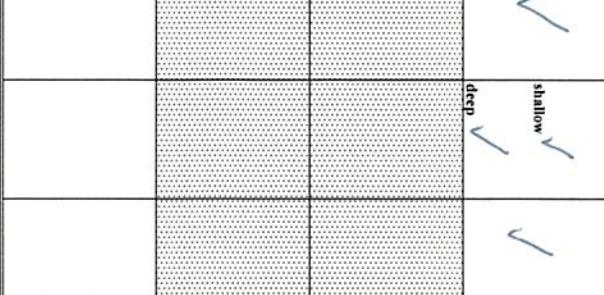
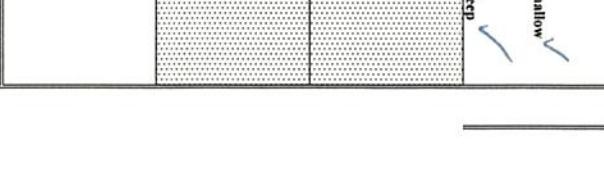
H. Baum

Field Processing Sheet		DATE 17 7/16/2021		Project: CSMI L. Michigan	
CTD FILENAME CTD_EAS_23_07172021		TIME 09:06 (CDT)		Project year 2021	
SITE EAS23		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified "L"		DCL seen Y / N * check if completed		V C ipom PoPCN Ziso63 Ziso153 Ztx64 neuston Fil# oblique Depth M U F A M D total vol filtrd total vol filtrd total vol filtrd * check if completed * check if completed * check if completed * check if completed # tows # tows	
5M	L1008- CSMI-Mich EAS23 fisht				
5M	L1009. CSMI-Mich EAS23 fisht				
Mid / DCL	Mid/DCL				
B.	label here				
xtra	label here				
Comments: If spare is used for a field blank or duplicate, please add information here.					

Field Processing Sheet						DATE 7.17.2021	Project: CSMI L. Michigan								
CTD FILENAME CTD_EAS_17_07172021						TIME 10:41 (CDT)	Project year 2021								
SITE EAS 17						SITE DEPTH (M)	LE 2								
circle or Stratified / Unstratified						Samplers									
		DCL seen Y / N				V	C	Ipom	POPCN	Zlso63	Zlso153	Ztx64	Filt neuston	Filt oblique # tows	
		"L"				* check if completed									
		Field sheet label	Depth M collected	U	F	A	M	D	total vol filtrd	total vol filtrd	total vol filtrd	* check if completed			
DEPTH'S INTEGRATED:						Fltr# 6293	250 mL	n 500 mL	300 mL	✓	✓	shallow ✓	✓	shallow ✓	
5M	L1006-	CSMI-Mich		✓	✓	✓	✓	✓							
5M	EAS17	fishnt													
Mid / DCL	L1007-	CSMI-Mich		✓	✓	✓	✓		vol	Fltr#	250 mL	a	b	deep ✓	
	Mid/DCL	EAS17	fishnt						Fltr#			a	b	deep ✓	
B-		label here							vol			a	b		
xtra		label here							Fltr#			a	b		
								vol							

Comments: If spare is used for a field blank or duplicate, please add information here.

H. Bangs

Field Processing Sheet		DATE 7.17.2021		Project: CSMI L. Michigan	
CTD FILENAME CTD_EAS_8_07172021		TIME 13:42 (CDT)		Project year 2021 LE 2	
SITE EAS8		SITE DEPTH (M) _____		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N			
<input type="checkbox"/> "L" <input type="checkbox"/> Field sheet label		<input type="checkbox"/> Depth M collected U F A M D		<input type="checkbox"/> * check if completed total vol filterd total vol filterd total vol filterd	
				<input type="checkbox"/> * check if completed # tows Flt# 	
				<input type="checkbox"/> * check if completed # tows Flt# neuston 	
				<input type="checkbox"/> * check if completed # tows Flt# oblique 	
DEPTHs INTEGRATED:					
5M	L1002- CSMI-Mich 5M flstht			<input checked="" type="checkbox"/> 	
Mid / DCL	L1003- CSMI-Mich Mid/DCL EAS8 flstht			<input checked="" type="checkbox"/> 	
B.	label here			<input checked="" type="checkbox"/> 	
xtra	label here			<input checked="" type="checkbox"/> 	
Comments: If spare is used for a field blank or duplicate, please add information here.					

N. Bouyou

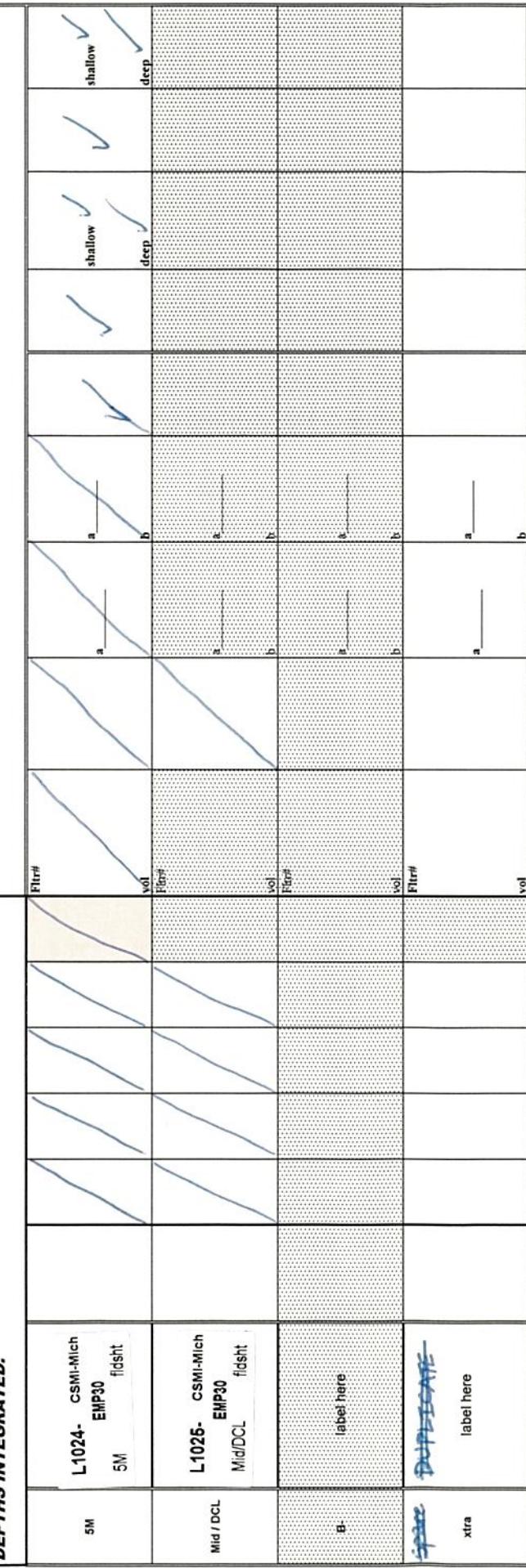
Field Processing Sheet																			
DATE 7.18.2021					Project: CSMI L. Michigan														
CTD FILENAME CTD-EMP38_07182021					TIME .08:55 - 09:20 (CDT)														
TIME .08:55 - 09:20 (CDT)					Project year 2021														
SITE EMP38					LE 2														
SITE DEPTH (M) _____					Samplers														
circle or Stratified / Unstratified					DCL seen Y / N														
"L"		Field sheet label			Depth M collected	U	F	A	M	D	total vol filtered	total vol filtered	total vol filtered	* check if completed					
DEPTHS INTEGRATED:																			
5M	L1026- 5M	CSMI-Mich EMP38 fldsht			✓	✓	✓	✓	✓	Filter 6281	250mL	500mL	300mL	✓	✓	✓	shallow ✓	shallow ✓	
Mid / DCL	L1027- MidDCL	CSMI-Mich EMP38 fldsht			✓	✓	✓	✓	✓	Filter 6281	vol 1.5L	Filter 6281	250mL	a	b	c	d	e	
B.	label here									Filter 6281	vol	Filter 6281	250mL	a	b	c	d	e	
spare	DUPLICATE				✓	✓	✓	✓		Filter 6284	vol	6284	250mL	a	b	c	d	e	
xtra	label here									Filter 6284	vol	1.5L	1.5L	a	b	c	d	e	
Comments: David duped me (surface water). That Bolgian!										If spare is used for a field blank or duplicate, please add information here. H. Banaji									

Field Processing Sheet

CTD FILENAME	CTD_EMPIP30_0782021	DATE	7.18.2021	Project:	CSMI L. Michigan
SITE	EMPIP30	TIME	11:05 (CDT)	Project year	2021

SITE	EMPIP30	SITE DEPTH (M)	Samplers								
			"L"	Depth M collected	U	F	A	M	D		
	Field sheet label		V	C	Ipom	PoPCN	Ziso63	Ziso153	Ztx64	Fif neuston	Fif oblique # tows

DEPTHS INTEGRATED:



Comments: If space is used for a field blank or duplicate, please add information here.

~~Don't forget~~*H. Banse*

Field Processing Sheet		DATE 7.18.2021		Project:		CSMI L. Michigan							
CTD FILENAME CTD_EMPP_23_27/8/2021		TIME 12:36 (CDT)		Project year 2021		LE 2							
SITE EMPP 23	SITE DEPTH (M)		Samplers										
	circle or Stratified / Unstratified		DCL seen Y / N		V	C	Ipom	PopCN	Ziso63	Ziso163	Ztx64	Filt neuston	Filt oblique
			* check if completed									# tows	# tows
	Field sheet label	Depth M collected	U	F	A	M	D	total vol filtrd	total vol filtrd	* check if completed			
DEPTHs INTEGRATED:													
5M	L1022- CSMI-Mich EMPP31 fisht	Fltr#	Fltr#	vol	Fltr#	Fltr#	vol	Fltr#	Fltr#	vol	Fltr#	shallow	deep
5M	L1023- CSMI-Mich EMPP23 Mid/DCL fisht	Fltr#	Fltr#	vol	Fltr#	Fltr#	vol	Fltr#	Fltr#	vol	Fltr#	shallow	deep
	B-	label here	label here										
	xtra	label here	label here										

comments: If space is used for a field blank or duplicate, please add information here.

H. Bryant

H. Banaji

Field Processing Sheet		DATE 7-18-2021		Project: CSMI L. Michigan	
CTD FILENAME CTD_EMPI_12_07182021		TIME 15:38 (cpt)		Project year 2021	
SITE EMP12		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N		V	C
		* check if completed		Ipom	PopCN
Field sheet label		Depth M collected	U F A M D	Ziso63	Ziso153
				Ztke64	Ztke153
				# tows	# tows
				* check if completed	* check if completed
				* check if completed	* check if completed
DEPTHS INTEGRATED:					
5M		L1018- CSMI-Mich EMP12 fidshft		Fltr#	Fltr#
5M				vol	vol
Mid / DCL		L1019- CSMI-Mich EMP12 Mid/DCL fidshft		Fltr#	Fltr#
				vol	vol
B		label here		Fltr#	Fltr#
xtra		label here		vol	vol
Comments: If spare is used for a field blank or duplicate, please add information here.					

H. Bouyoucos

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Field Processes... Sheet		DATE 7.19.2021		Project: CSMI L. Michigan	
CTD FILENAME CTD-EMP-8_07192021		TIME 10:04 (CDT)		LE 2	
SITE EMP 8	SITE DEPTH (M)	Samplers			
circle or Stratified / Unstratified		DCL seen Y / N			
"L"	Field sheet label	Depth M collected	U	F	A M D
					total vol <i>filtrd</i>
					total vol <i>filtrd</i>
					total vol <i>filtrd</i>
DEPTHS INTEGRATED:					
5M	L1016- CSMI-Mich EMP8 fisht	Fltr#	vol	Fltr#	vol
5M	L1017- CSMI-Mich EMP8 Mid DCL fisht	vol	Fltr#	vol	Fltr#
Mid / DCL	label here	vol	Fltr#	vol	Fltr#
B.	label here	vol	Fltr#	vol	Fltr#
xtra	label here	vol	Fltr#	vol	Fltr#
comments: If space is used for a field blank or duplicate, please add information here.					

Field Processing Sheet		DATE 7.19.2021		Project: CSMI L. Michigan	
CTD FILENAME CTP-EMP_5_07192021		TIME 11:18 (CDT)		Project year 2021	
SITE EMP 5		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N			
				⊗ check if completed	
Field sheet label		Depth M collected	U	F	A
		M	D	total vol filtrd	total vol filtrd
				⊗ check if completed	⊗ check if completed
				⊗ check if completed	⊗ check if completed
DEPTHS INTEGRATED:					
L1014- CSMI-Mich 5M		✓ ✓ ✓ ✓ ✓		Filtr# 6318 vol 1.5L	
L1015- CSMI-Mich Mid / DCL EMP6 MidDCL		✓ ✓ ✓ ✓ ✓		Filtr# 250 mL vol 1.5L	
B- label here				Filtr# 250 mL vol 1.5L	
xtra		label here		Filtr# 300 mL vol 1.5L	
Comments: If space is used for a field blank or duplicate, Please add information here.					

H. Ronay

Field Processing Sheet		DATE 7.20.2021		Project: CSM/ L. Michigan	
CTD FILENAME CTD_GTB_5-07202021		TIME 08:19 (CDT)		Project year 2021	
SITE	GTB 5	SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N			
"L"		@ check if completed			
Field sheet label		Depth M collected	U F A M D	total vol filterd	total vol filterd
				@ check if completed	@ check if completed
				@ check if completed	@ check if completed
DEPTHS INTEGRATED:					
5M	L1028- CSM-Mich GTB6 fidsht	/	/	250 mL	300 mL
5M	L1029- CSM-Mich GTB6 fidsht Mid/DCL	/	/	250 mL	300 mL
Mid / DCL					
xtra	label here				
Comments:	If spare is used for a field blank or duplicate, please add information here.				

M. Paranjpy

Field Processing Sheet		DATE 7.20.2021		Project: CSMI L. Michigan	
CTD FILENAME CTD-GTB-17-07202021		TIME 13:02 (CDT)		Project year 2021	
SITE GTB17		SITE DEPTH (M)		Samplers	
circle on Stratified / Unstratified "L"		DCL seen Y / N check if completed		V	C
Field sheet label		Depth M collected	U F A M D	total vol filtered	total vol filtered
				check if completed	check if completed
				check if completed	check if completed
DEPTHS INTEGRATED:					
L1034- 5M	CSMI-Mich GTB17 fidsht	/ / / / /	/ / / / /	Fltr# 6298 vol 1.5L	250 mL 500 mL 300 mL
L1035- Mid / DCL	CSMI-Mich GTB17 Mid/DCL fidsht	/ / / / /	/ / / / /	Fltr# vol	250 mL 250 mL
		label here		Fltr#	
				Fltr#	
xtra	label here			vol	
Comments: If space is used for a field blank or duplicate, please add information here.					

M. Bang

Field Processing Sheet		DATE 7.21.2021		Project: CSM/ L. Michigan	
CTD FILENAME CTD-GTB-23-07212021		TIME 08:59 (CDT)		Project year 2021	
SITE GTB 23		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N			
		check if completed			
Field sheet label "L"		Depth M collected	U F A M D	total vol filtrd	total vol filtrd
				vol	vol
DEPTHS INTEGRATED:				¶ check if completed	¶ check if completed
L1036- CSM-Mich GTB23 5M fidst				Zlso63	Zlso153
5M				Zlx64	Zlx64
Mid / DCL				# tows	# tows
L1037- CSM-Mich GTB23 Mid/DCL fidst				Fltr#	Fltr#
Mid / DCL				Fltr#	Fltr#
label here				Fltr#	Fltr#
xtra		label here		Fltr#	Fltr#
				vol	vol
Comments: If spare is used for a field blank or duplicate, please add information here.					

H. Brueggemann

Field Processing Sheet	DATE 7.21.2021	Project: CSMI L. Michigan								
CTD FILENAME CTD-GTB-38-07212021	TIME 12:31 (CDT)	Project year 2021								
SITE GTB 38	SITE DEPTH (M) _____									

circle of Stratified / Unstratified

DCL seen Y / N

Samplers

"L"	Depth M collected	U	F	A	M	D	total vol filled	total vol filled	total vol filled	Φ check if completed				
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DEPTHS INTEGRATED:

L1040- CSMI-Mich 5M	GTB38 fisht	✓	✓	✓	✓	✓	Filter 6282 vol 1.5L	250 mL	500 mL	300 mL	✓	✓	shallow ✓	✓	shallow ✓
L1041- CSMI-Mich Mid DCL	GTB38 fisht	✓	✓	✓	✓	✓	Filter 6303 vol 1.5L	250 mL	250 mL	250 mL	✓	✓	shallow ✓	✓	shallow ✓
spare xtra	label here	✓	✓	✓	✓	✓									

If spare is used for a field blank or duplicate, please add information here.

Comments: SPARE BLANK

A BLANK, like what I am drawing, for the surface water, and a DUPLICATE, too (because, as David Bolgrien asked, "well, why not?").

Field Processing Sheet

DATE 7.22.2021

Project: CSMI L. Michigan

CTD FILENAME CTD-MNA-5-07222021

TIME 08:35

Project year 2021

LE 2

SITE MNA5

SITE DEPTH (M) Samplers

circle or Stratified / Unstratified

DCL seen Y / N

	"L"	Depth M collected	U	F	A	M	D	total vol filled	total vol filled	total vol filled	check if completed	check if completed	check if completed	check if completed	# tows	neuston	Filt	Filt oblique
	Field sheet label															# tows		

DEPTHS INTEGRATED:

SIN	L1042- MNA5 fisht		✓	✓	✓	✓	✓	Filter 6320	250mL	a 500mL	✓	✓	shallow ✓	✓	✓	shallow ✓	
Mid / DCL	L1043- MNA5 fisht	CSMI-Mich	✓	✓	✓	✓	✓	Vol	1.5L	Vol	b	✓	shallow ✓	✓	✓	shallow ✓	✓

Comments: If spare is used for a field blank or duplicate, please add information here.

Field Processing Sheet		DATE 7.22.2021		Project: CSMI L. Michigan	
CTD FILENAME CTD-MNQ-8-07222021		TIME 10:02		Project year 2021	
SITE MNQ 8		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified "L"		DCL seen Y / N check if completed			
Field sheet label		Depth M collected	U	F	A
			M	M	D
DEPTHS INTEGRATED:			v	c	lpom
			total vol filtd	total vol filtd	PopCN
					Ziso63
					Ziso153
					Ztn64
					# tows
					Filt reuslion
					Filt oblique # tows
					check if completed
					check if completed

DEPTH INTEGRATION:

L1044- CSMI-Mich 5M fisht	vol	vol	vol	vol	vol	vol	vol
L1045- CSMI-Mich Mid / DCL MNQ8 Mid/DCL fisht	vol	vol	vol	vol	vol	vol	vol
xtra	label here						

Comments: If space is used for a field blank or duplicate, please add information here.

J. R. Brinkley

- 1.5 -

Field Processing Sheet		DATE 7.22.2021		Project:		CSMI L. Michigan	
CTD FILENAME CTD-MNQ-17-07222021		TIME 12:31		Project year 2021		LE 2	
SITE	MNQ 17	SITE DEPTH (m)		Samplers			
circle or Stratified / Unstratified		DCL seen Y / N		V	C	lpm	PopCN
"L"		@ check if completed				Z1so63	Z1x64
Field sheet label	Depth M collected	U	F	A	M	D	Filt neuston
		total vol filterd	total vol filterd	total vol filterd	total vol filterd	# tows	Filt oblique # tows
						@ check if completed	@ check if completed
DEPTHs INTEGRATED:							
5M	L1048- CSMI-Mich MNQ17 5M	✓	✓	✓	✓	250mL	300mL ✓✓ shallow ✓✓
Mid / DCL	L1049- CSMI-Mich MNQ17 Mid/DCL fisht	✓	✓	✓	✓	vol 1.5L	b 250mL
	late here					vol	
xtra	label here					Fltr#	a _____ b
Comments: If space is used for a field blank or duplicate, please add information here.							

Field Processing Sheet		DATE 7.22.2021		Project:		CSMI L. Michigan					
CTD FILENAME CTD_MNQ_23_2021		TIME 13:59		Project year 2021		LE 2					
SITE MNQ 23		SITE DEPTH (M)		Samplers							
circle or Stratified / Unstratified		DCL seen Y / N		V	C	Ipom	Ziso63	Ziso153	Ztx64	Filt neuston	Filt oblique
"L"		U	F	A	M	D	total vol /litrd	total vol /litrd	# tows	# tows	# tows
Field sheet label		Depth M collected						check if completed		check if completed	
DEPTHS INTEGRATED:		Fltr#		vol		vol		vol		vol	
L1060-	CSMI-Mich	5M		5M		5M		5M		5M	
	MNQ23	fidslt		fidslt		fidslt		fidslt		fidslt	
Mid / DCL	Mid / DCL										
L1061-	CSMI-Mich	5M		5M		5M		5M		5M	
	MNQ23	fidslt		fidslt		fidslt		fidslt		fidslt	
Mid / DCL	Mid / DCL										
label here		label here		label here		label here		label here		label here	
Comments: If space is used for a field blank or duplicate, please add information here.											

Field Processing Sheet		DATE 7.22.2021		Project: CSM/ L. Michigan	
CTD FILENAME CTD-MNQ_30_07222024		TIME 15:32		Project year 2021	
SITE MNQ 30		SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N		V	C
				Ipom	PopCN
		@ check if completed		Ziso63	Ziso153
		Depth M collected	U	A	M
Field sheet label			D		
"L"					
DEPTHS INTEGRATED:					
5M	L1052- CSM-L Mich MNQ30 fidsh	Filter	vol	a	b
5M	L1053- CSM-L Mich MNQ30 fidsh Mid DCL	Filter	vol	a	b
Mid / DCL		Filter	vol	a	b
		Filter	vol	a	b
		Filter	vol	a	b
xtra	label here				
Comments: If space is used for a field blank or duplicate, please add information here.					

H. Bonyan

Field Processing Sheet	DATE 7.23.2021		Project: CSMI L. Michigan	
CTD FILENAME CTD_MNQ_38_07232021	TIME 09:28		Project year 2021	
SITE MNQ 38	SITE DEPTH (M)		Samplers	
circle or Stratified / Unstratified		DCL seen Y / N		
"L"	Field sheet label	Depth M collected	U F A M D	check if completed
V	C	Ipom	PopCN	Ziso63 Ziso153
total vol filtered	total vol filtered	total vol filtered	# tows	Filt neuston Filt oblique # tows
DEPTHS INTEGRATED:				
L1054. CSMI-Mich 5M MNQ38 fidshf	✓ ✓ ✓ ✓ ✓	vol 1.5L	Fltr# 6280 250 mL 300 mL	✓ ✓ ✓✓ shallow deep
L1055. CSMI-Mich Mid DCL MNQ38 MidDCL fidshf	✓ ✓ ✓ ✓ ✓	vol 1.5L	Fltr# 6259 250 mL 300 mL	✓✓✓✓ shallow deep
B label here	label here	label here	label here	label here
spare xtra	DUPLICATE label here	✓ ✓ ✓ ✓ ✓	Fltr# 6259 250 mL 500 mL 1.5L	✓✓✓✓ shallow deep

If spare is used for a field blank or duplicate, please add information here.

Comments:

Inspired by David Bolygrien, I say "let this be my finest duplicate!" (surface water).

H. Baugn