APPENDIX B: FISH DISSECTION FORMS

(Located on enclosed CD)

These forms, on the enclosed CD, were filled out during the fish dissections, and document species, timing, tissues, ancillary data and blanks.



COLLECTION

date collected: 07.26.01time collected: 1430station code: 51Smethod of take: 740period of deployment: 0725/0726alive when caught?: 473

OLLECTIO	N
latitude:	70°25.958 10
longitude:	148°41.922'w
depth(m):	3.25 MPt
species: recorder:	AC) Artic Cisco
recorder:	Far

DISSECTION

date:	07-26-01	dissector: $\underline{J}G \underline{J}B$
start time:	17:10	recorder: Fch
finish time:	17:16	specimen code: AC
standard length(mm):	285	weight $(kg): 200(g)$
external abnormalities/parasites:	NA	
internal abnormalities/parasites:	NA	
sex:	Ĵ	
•		

SAMPLES

	SAMI LES
Bile (FAC) liver sample for RGS?:	sample code: 01-515-02-FAC-T-AC
hver sample for T.M.?	sample code:
muscle sample for T.M.?:	sample code: 01-515-02-PHC-T-AC
liver sample for Organics?:	sample code:
liver sample for P-450?:	sample code: 01-515-02-C4P-T-AC
gill sample for P-450?:	sample code:
kidney sample for P-450?:	sample code:
heart sample for p-450?	sample code:
gunal other samples taken?: NR	comments:
muscle 1450 V	

COLLECTION

date collected: 07-26-01 70 25,958 latitude: longitude: 148 " time collected: 41.922 14:00 depth(m): 3.25 PL station code: 515 species: method of take: Fyke net. Artic Cisco recorder: period of deployment: 725/726 alive when caught?: DISSECTION dissector: date: 07-26-01 recorder: start time: 17:17 specimen code: finish time: weight(kg): standard length(mm): 220 external abnormalities/parasites: internal abnormalities/parasites: sex: 7 SAMPLES Bile FAC 01-515-03-FAC-T-AC sample code: tiver sample for RGS ?: sample code: liver sample for T.M.?: muscle sample for T.M.?: sample code: 01-515-03-CYP-T-AC /sample code: liver sample for Organics?: sample code: liver sample for P-450?: sample code: gill sample for P-450?: kidney sample for P-450?: sample code: \checkmark sample code: heart sample for p-450? quit other samples taken ?: NA comments:

COLLECTION

25.958 date collected: 07-26-01 latitude: longitude: time collected: 41.9221 14:00 depth(m): station code: SIS species: method of take: Fyke net Cisro AC Artic. period of deployment: 0725 - 0726 recorder: alive when caught?: DISSECTION dissector: date: 07-26-01 recorder: start time: specimen code: finish time: weight(kg): standard length(mm): 250 external abnormalities/parasites: NA internal abnormalities/parasites: NA sex: SAMPLES BILC FAC 01-515-04-FAC-T-AL liver sample for RGS2: sample code: sample code: -liver sample for T.M.?. Comuscle sample for T.M.?:sample code: 01-515-04-PHC-T-AC sample code: liver sample for Organics liver sample for P-450?: sample code: 01-515-04 sample code: gill sample for P-450?: kidney sample for P-450?: sample code: sample code: heart sample for p-450? Gund Lother samples taken ?: comments: NA

COLLECTION

date collected: 07-26-01 latitude: longitude: time collected: 4:00 depth(pr): station code: SIS species: method of take: Fyke net recorder: period of deployment: 67-25/07 alive when caught?: **DISSECTION** date: 07-26-01 start time: finish time: standard length(mm): 280 external abnormalities/parasites: MA internal abnormalities/parasites: NA 2 sex: SAMPLES

25.958 1.922 3.25 cisco fitic

dissector:

recorder:

specimen code:

weight(kg):

OC

0 1		
Pile Bile for RGS?:	sample code:	01-515-05-FAC-T-AC
Quiver sample for T.M.?:	sample code:	
muscle sample for T.M.?:	sample code:	>01-515-05-PItC-T-AC
liver sample for Organics?:	sample code:	
liver sample for P-450?:	sample code:	01-515-05-CYP-T-A-
gill sample for P-450?:	sample code:	
kidney sample for P-450?:	sample code:	
heart sample for p-450?	sample code:	
genards other samples taken " NA	comments:	/
J	_	

COLLECTION

25.958 date collected: 07-26-01 latitude: longitude: time collected: 9221 14:00 depth(m): station code: 3.25 species: method of take: Fyke het Altic cisco AC period of deployment: 07 15 107h recorder: alive when caught?: DISSECTION dissector: date: 07.26-01 recorder: start time: specimen code: finish time: weight(kg): 280 standard length(mm): external abnormalities/parasites: NA internal abnormalities/parasites: NN sex: P 12 SAMPLES BLE 01-515-06-PAC-T-AC sample code: Cliver-sample for RGS ?: sample code: @liver sample for T.M.?: sample code: muscle sample for T.M.?: sample code: liver sample for Organics?: sample code: liver sample for P-450?: sample code: gill sample for P-450?: kidney sample for P-450?: sample code: sample code: heart sample for p-450? v given other samples taken?: comments:

COLLECTION

date collected: 072600	latitude:	700 25.9	58'N
time collected: 14,00	longitude:	1480 41.9	22. W
station code: SIS	depth(m):	3.25 ft	
method of take: Fyke m	et species:	Artic cisco	(Ac)
period of deployment: 0725/07	-	FR	
alive when caught?: 465	_		
	DISSECTIO	DN	
	21002011		
date:	07-26-01	dissector:	16
start time:		recorder:	Fa
finish time:		specimen code:	AC
standard length(mm):	290	weight(kg):	100(9)
external abnormalities/parasites:	NA		
internal abnormalities/parasites:	NA		
sex:	M		
	SAMPLE	S	
Bre			
liver sample for RGS?:	sample code:	01-515-07- FAC.	-T-AC
Wiver sample for T.M.?:	sample code:		
muscle sample for T.M.?:	sample code:	>01-515-07-17-	AC
liver sample for Organics?:	sample code: /		
liver sample for P-450?: \checkmark	sample code:	01-515-07-041	D-T-AC
gill sample for P-450?:	sample code:		
kidney sample for P-450?: 🗸	sample code:		
heart sample for p-450? $$	sample code:		
Gonal other samples taken?:	comments:		
no Annala	muscle tisse	re included (possible	y exclude) E

COLLECTION

date collected: 0726-01time collected: 14:00station code: 51Smethod of take: $F-\gamma$ ke het period of deployment: 0775/0726alive when caught?: 985

	0
latitude:	70 25.958 N
longitude:	148 0 41.922 W
depth(pri):	3.25 ft
species:	Artic cisco (Ac)
recorder:	FQ

DISSECTION

date:	10-2,6-01	dissector:	<u> う</u> い
start time:		recorder:	For
finish time:		specimen code:	AC
standard length(mm):	290	weight(kg):	1009
external abnormalities/parasites:	NA	グ	
internal abnormalities/parasites:	N.A.		
sex:	M		

SAMPLES

hill	1	
liver sample for RGS?:	sample code:	01-515-08- FAC - T-AC
Wliver sample for T.M. ?:	sample code:	T-AC
muscle sample for T.M.?: 📈	sample code:	>01-515-08-PHC-T-AC
liver sample for Organics?: $$	sample code:	
liver sample for P-450?:	\checkmark sample code:	01-515-08-CYP-T-AC
gill sample for P-450?:	\checkmark sample code:	
kidney sample for P-450?:	sample code:	
heart sample for p-450?	sample code:	
gining (other samples taken?:	comments:	
		V

COLLECTION

70 25,958 latitude: date collected: 07-26-01 longitude: time collected: 41.922 (14:00 depth(m): 3.25 station code: 515 species: Fyke net Arctic Cisco method of take: recorder: period of deployment: 6725/0726 2Q alive when caught?: 405 DISSECTION 17-26-01 dissector: date: 16 recorder: start time: specimen code: finish time: weight(kg): standard length(mm): 770 external abnormalities/parasites: NX internal abnormalities/parasites: NA sex: 2 present SAMPLES OI-SIS-09-FAC-T-AC sample code: liver sample for RGS?: sample code: Chiver sample for T.M.? 01-515-09-PHC-T-AC muscle sample for T.M.?: sample code sample code: liver sample for Organics?: liver sample for P-450?: sample code: sample code: gill sample for P-450?: V kidney sample for P-450?: sample code: V sample code: heart sample for p-450? \checkmark gonal other samples taken?: comments:



COLLECTION



COLLECTION



COLLECTION

date collected: 07-26-01	latitude:	70 25.958 N
time collected: 14.00	longitude:	148 º 41.922 · W
station code: Sis	depth(m):	3.25 Ct
method of take: Fyke het	species:	Humphack white fish (Hw)
period of deployment: 07 25 /07/24	recorder:	Tor
alive when caught?: $\underline{\gamma e S}$	-	
	DISSECTIO	N
date: 07	-26-01	dissector: JG
start time:		recorder: Fren
finish time:		specimen code: H
standard length(mm):	- 465	weight(kg): $750/a$
external abnormalities/parasites:		<u> </u>
internal abnormalities/parasites:	а Д	
sex: M		
	SAMPLES	$\mathbf{\tilde{b}}$
hte li ver samp le for RGS?: V sam	ple code:	01-515-13-FAC_T-HW
	ple code:	0
	ple code:	<u>- (1)</u> <u>>01-515-13-</u> PHC-T-HO
	nle code:	
	ple code: -	01-515-13-CYP-T-Ha
	nple code: -	01-313-13-041
	nple code: -	
	nple code:	
	nments:	
		\mathbb{V}
muscle P450		

COLLECTION

date collected: 67-26-0	latitude:	= 70° 25.958 N
time collected: 14.50	- longitude:	148° 41.922 · W
station code: S(S)	- depth(m):	3.25ft
method of take: Fyke he	f species:	
period of deployment: $\frac{1}{10725/07}$	-	FR
alive when caught?:	_ ^	
		ON
	DISSECTI	
date:	07-26-01	dissector: JG7
start time:		recorder: Fa-
finish time:		specimen code: HW
standard length(mm):	438	weight(kg): 7cv(g)
external abnormalities/parasites:	NA	
internal abnormalities/parasites:	NA	
sex:	M	
	CANDI I	28
bile	SAMPLE	<u>20</u>
liver sample for RGS?:	sample code:	01-515-14-FAC-T-HW
Coliver sample for T.M.?:		-
muscle sample for T.M.?:	sample code:	JUI-SIS-14-PHC-T-HW
liver sample for Organics?:	sample code:	
liver sample for P-450?:	sample code:	01-515-14- EYP-T-HW
\checkmark gill sample for P-450?: \checkmark	sample code:	
$\sin^{ie_{i}}$ kidney sample for P-450?:	sample code:	
heart sample for p-450?	sample code:	
gunads Py other samples taken?:	comments:	
muscle P450	_	V

COLLECTION



COLLECTION

		<i>p</i> (
date collected: 0726	o) latitude:	70 25.958 W
time collected: 14.0	bongitude:	1480 41.9221W
station code: 515	depth(m):	3.25 ft
method of take: Fyke h	int species:	Humpbuch White fish
period of deployment: U725/0	·	Fa
alive when caught?: \mathcal{GL}	5	
	DIGGEOTIC	
	DISSECTIO	
date	: 67-26-01	dissector: Jh
start time	:	recorder: t-R
finish time	:	specimen code: HW
standard length(mm)	: 411	weight(kg): 500kg
external abnormalities/parasites	::	
internal abnormalities/parasites		
sex		
Bile	SAMPLE:	<u>S</u>
liver sample for RGS?: U	sample code:	01-515-16- FAC-T- HW
Cliver sample for T.M.?:		
muscle sample for T.M.?:	sample code	01-515-16- PHC-T-HW
liver sample for Organics?: \checkmark	\Rightarrow sample code:	DI-SIS US CUP-T-HOU
liver sample for P-450?:		1
gill sample for P-450?:	sample code:	
Solowkidney sample for P-450?:	sample code:	
heart sample for p-450? \checkmark		
gonal pysother samples taken?:	$\overline{}$ comments:	
muscle PYSU v	7	
		V

COLLECTION

70°25.858'N latitude: date collected: 07260) 1480+1,922 longitude: time collected: 4:00 depth(m): 3.25 station code: PX Sis species: method of take: Fyke net white Hu Humphack period of deployment: 07-25/0724 recorder: alive when caught?: DISSECTION 16 dissector: date: 07-26-01 recorder: start time: specimen code: finish time: weight(kg): standard length(mm): 418 external abnormalities/parasites: NA internal abnormalities/parasites: sex: M **SAMPLES** Bile 01-315-17- FAC - T- HW liver sample for RGS?: sample code: sample code: Wliver sample for T.M.?: sample code: muscle sample for T.M.?: <u>SIS-17-</u>CYP-T-HW sample code: liver sample for Organics?: L liver sample for P-450?: sample code: 01i/ gill sample for P-450?: sample code: kidney sample for P-450?: sample code: sample code: heart sample for p-450? other samples taken?: comments: musde P450

COLLECTION

		0
date collected: $0726\tau^{3}$	latitude:	70° 25.958 N
time collected: 14:00	longitude:	148° 41.922'W
station code: $5'$	depth(pr):	3.25 fr
method of take: Fyke Ne	k species:	Humpback white fish (HW
period of deployment: 0725/072	1	Free
alive when caught?: $4-e\leq$	t	
	DISSECTIC	DN
date:	0726-01	dissector: Jb7
start time:		recorder: For
finish time:		specimen code: HW
standard length(mm):	440	weight(kg): $(\ell \circ O(5))$
external abnormalities/parasites:	NA	
internal abnormalities/parasites:	Tapewor	ms
sex:	F	
	1	
Bile	<u>SAMPLE</u>	
liver sample for RGS?:	sample code:	01-515-18- FAC -T-HW
Wer sample for T.M.?:	-	
muscle sample for T.M.?:	sample codes	
liver sample for Organics?:	sample code:	7
liver sample for P-450?:	sample code:	01-515-18-CYP-T-HU
gill sample for P-450?:	sample code:	
Kidney sample for P-450?:	sample code:	
heart sample for p-450?	sample code:	
gununpystother samples taken?:	comments:	
musde - pyso - V		
	·	

COLLECTION

		COLLECIT	<u>UN</u>	\sim
date colle	ected: 0726-01	latitude:	70 2	5,958 WW
time colle	ected: 14:00	longitude:	148 0 4	1.922' "IN
station	code: SIS	depth(m/):		
method of	take: Fyle het	species:		hite fish (HW)
period of deploy	ment: 0725/0726	recorder:		
alive when cau	ight?: UPS			
	7	DIGGEOTI		
		DISSECTIO	DN	
	date:	0726-0) dissector:	56
	start time:		recorder:	HO Fa
	finish time:		specimen code:	HW
stand	lard length(mm):	400-402	weight(kg):	500(9)
	nalities/parasites:	NA		
internal abnorm	alities/parasites:	apewarms)
	sex:	Flue	el developed, but	not trus lucent)
		SAMPLE	S	
Brle	(AC THW
li ver sampl e		sample code:	01-515-19-1	AC-T-HW
Wiver sample	for T.M.?:	sample code:		
muscle sample	for T.M.?:	sample code	01-515-19-	PHC-T-HW
liver sample for	Organics?:	sample code:		- CNP - HW
liver sample	for P-450?:	sample code:	01-515-19-F	HEAP-T-HW
gill sample	for P-450?:	sample code:		
kidney sample	for P-450?:	sample code:		_
heart sample	for p-450?	sample code:		_
gined lother sam	ples taken?:	comments:		_
minsele p-1.	50 V			_
			-	_

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FISH COLLECTION/DISSECTION DATA SHEET

COLLECTION

		P2
date collected: 07・26-0	/ latitude:	10°25.958 N
time collected: 14.60	longitude:	1480 41.9221W
station code: 515	depth(m):	3.25 Ft
method of take: Fyke pe	t species:	Humppack white fish (HW)
period of deployment: 0725/072		
alive when caught?:		
	DISSECTIO	
date:	07-26-01	dissector: Jb7
start time:	<u> </u>	recorder: F.a.
finish time:		specimen code: HW
standard length(mm):	479	weight(kg): (ego (9)
external abnormalities/parasites:	NA	(\mathcal{W})
internal abnormalities/parasites:	Tapewirm	\$
sex:	M	
-	/	
Ble	SAMPLE	<u>S</u>
liver sample for RGS?:	sample code:	01-515-20-FAC-T.HW
Wiver sample for T.M.?:	sample code:	
muscle sample for T.M.?:	sample code:	<u>101-515-20-PHC-T-HW</u>
liver sample for Organics?	sample code:	
liver sample for P-450?:	sample code:	01-515-20- PHC - T - HW
gill sample for P-450?:	sample code:	
(when kidney sample for P-450?:	sample code:	
heart sample for p-450? $\frac{1}{\sqrt{2}}$	sample code:	
ginal Pust aken?: _/	comments:	
musde P450 taken V		
The firen U	<u> </u>	<u></u>

COLLECTION



COLLECTION

date collected: 1726-01	latitude:	1 asil- 1
time collected: 14200		148° 41.922 CW
station code: 575	depth(m)	3.25 ft
method of take: I-yke 1-e	A species	Humpbrek Whitefish (HW)
period of deployment: 0725/07	recorder	
alive when caught?:		
Ø	DISSECTI	ON
	DISSECT	
date:	07-26-01	dissector: <u>Jby</u>
start time:		recorder: <u>FQ</u>
finish time:		specimen code: $H\omega$
standard length(mm):	423	weight (kg) : $600/9$
external abnormalities/parasites:	NA	
internal abnormalities/parasites:	NA	
sex:	\mathcal{M}	
Bile	SAMPLE	
Liver sample for RGS?:	sample code:	01-515-22- FAC -T-HW
(In	sample code:	
muscle sample for T.M.?: \sqrt{V}	sample code:	<u>01-515-22-FAC</u> -T-HW <u>01-515-22-</u> PHC-T-HW
liver sample for Organics?:	sample code:	
liver sample for P-450?:	sample code:	01-315-22- CYP-T-HW
gill sample for P-450?:	sample code:)
kidney sample for P-450?:	sample code:	
heart sample for p-450? \checkmark	sample code:	
ginn (450 other samples taken?:	comments:	
musde 1450 taken	-	

COLLECTION



COLLECTION



COLLECTION



COLLECTION



COLLECTION

date collected: $07 - 26 - 0$ latitude:	70 25.958 N
time collected: 7500 longitude	148° 41.922 'W
station code: Sis depth(pn)	3.25 ()
method of take: Fyreret species	four horn Saulpin (FS)
period of deployment: 0725-0726 recorder	
alive when caught?:	
DISSECTI	<u>ON</u>
date: 0726-01	dissector: Th
start time:	recorder: Fch
finish time:	specimen code: FS
standard length(mm): 208	weight(kg): $100(9)$
external abnormalities/parasites:	
internal abnormalities/parasites:	
sex:	
SAMPLI	ES
Λ ρ	
-liver sample for RGS?: V sample code:	01-515-27-FAC-T-FS
liver sample for T.M.?: sample code:	
muscle sample for T.M.?: Sample code:	201-513-27-PHC-T-FS
liver sample for Organics?: sample code:	1
liver sample for P-450?: sample code:	01-515-27-CYP-T-ES
gill sample for P-450?: sample code:	\
kidney sample for P-450?: \checkmark sample code:	
heart sample for p-450? \checkmark sample code:	
genals other samples taken?: comments:	
First Hunch	
pysvinuscle Tissuev.	\sim

COLLECTION



COLLECTION



COLLECTION



COLLECTION

date collected: 07.28.01 lat	tude: 70°25,958 N
time collected: $0^{2}i^{3}$ long	tude: 148° 41.922 W
	n(pr): 3,25 ft
method of take: Fylce not sp	ecies: Fourhorn Salpin (FS)
	rder: FA
alive when caught?: 46	
	ECTION
<u>D1331</u>	
date: 07.28	-0 dissector: Jb
start time:	recorder: Fcg
finish time:	specimen code:
standard length(mm): 200	weight(kg): 87
external abnormalities/parasites: NK	
internal abnormalities/parasites:	
sex: T	
BIC	<u>APLES</u>
liver sample for RGS?: // sample co	de: 01-515-31-FAC-T-FS
liver sample for T.M.?: sample co	
muscle sample for T.M.?: sample co	ode:
Liver sample for Organics?	ode: 01-515 - 31 - PHC - T - FS
liver sample for P-450?: 📈 sample co	
gill sample for P-450?: sample co	ode:
kidney sample for P-450?: sample co	ode:
heart sample for p-450? \checkmark sample c	ode:
other samples taken?: comment	s:
aproveds Pyso V	
muscle Tossue PUSO V	

COLLECTION

07.28-01 latitude: 25.958 date collected: longitude: 09:00 time collected: depth(m): station code: łł 515 species: method of take: Fyke no horn Sculpir c Dul recorder: period of deployment: 6777/07 alive when caught?: DISSECTION dissector: date: 07-28-01 recorder: start time: specimen code: FS finish time: weight(kg): standard length(mm): 5 184 5) external abnormalities/parasites: NX internal abnormalities/parasites: NA sex: **SAMPLES** Bile 01-515-32-FAC-T-FS sample code: tiver sample for RGS?: sample code: muscle sample for T.M.?: sample code: -liver sample for Organics?:/Tr 01-515-32 PHCsample code: 01-515-32 - CYP-T-FS liver sample for P-450?: sample code: sample code: gill sample for P-450?: 11 sample code: kidney sample for P-450?:. heart sample for p-450? \checkmark sample code: other samples taken?: comments: P450 Whad Musele Tissue P450

COLLECTION

		ð í
date collected: 67.3-8-0	latitude	J J J 1 1 3 0 .
time collected: 04.00	longitude	: 148° 41.922 W
station code:	depth(m)	
method of take: Fyke Net	species	Fourhoin Salpin (FS
period of deployment:		
alive when caught?: 425	_	
		
	DISSECTI	lon
date:	07-28-01	dissector: JG/JB
start time:	6):()	recorder: FQ
finish time:	11:15	specimen code: F5
standard length(mm):	141	weight(kg): 25
external abnormalities/parasites:	NA	
internal abnormalities/parasites:	NA	
sex:	M	
Dule (13me)	SAMPL	
Bill (N 3ml) Viver sample for RGS?:	sample code:	01-515-33-FAC-T-FS
C liver-sample for T.M.?:		
@muscle sample for T.M.?:	sample code:	
> liver sample for Organics?	sample code:	01-515-33- PHC- T-FS
	sample code:	121-515-33 - CYP- T-FS
gill sample for P-450?:	sample code:	1
kidney sample for P-450?:	sample code:	
heart sample for p-450?	sample code:	
	comments:	
gunads P450 V	7	
massile Tissue PISD V		

COLLECTION


COLLECTION

07-30-01 latitude: date collected: time collected: longitude: 09:00 depth(pr): station code: species: Delly method of take: aden DV Fyke net recorder: period of deployment: 0728/0730 alive when caught?: DISSECTION dissector: date: 6) 07-30-0 recorder: start time: 0 2:10 specimen code: finish time: 2:25 weight(kg): standard length(mm): 250 9 external abnormalities/parasites: NA internal abnormalities/parasites: NA sex: 7 SAMPLES Bile 01-515-35-FAC-T-DV -- liver sample for RGS?: sample code: sample code: liver sample for T.M.?: sample code: muscle sample for T.M.?: 01-515-35- PHC-T-PV liver sample for Organics? sample code: 01-515-35- CYP-T-DV liver sample for P-450?: sample code: sample code: gill sample for P-450?: Spluen/kidney sample for P-450?: sample code: sample code: heart sample for p-450? other samples taken?: comments: P450 ginad. +1559P P450 muscle

COLLECTION

date collected: 0730 latitude: $70^{\circ}25.758 \times N$
time collected: 0900 longitude: $148^{\circ}41:922'$ w
station code: 5.5 depth(pr): $3.25.1$
method of take: Fyke net species: Artic eisco (AC)
period of deployment: 07/28-07/30 recorder: FQ
alive when caught?:
DISSECTION
date: $64.32.01$ dissector: $56, 6-1$
start time: 121.25 recorder: For
finish time: 1230 specimen code: AC
standard length(mm): 398 weight(kg): 450
external abnormalities/parasites: $\mathcal{N}\mathcal{K}$
internal abnormalities/parasites:
sex: M
SAMPLES
Hiver sample for RGS?: $1 \text{ sample code: } 01-515-36-FAC - T - AC$
liver sample for T.M.?: sample code:
Cinuscle sample for T.M.?: sample code:
Cantiscle sample for T.M.?: sample code: $\$
liver sample for P-450?: \checkmark sample code: $01 - 5(3 - 36 - FA - T - AC$
gill sample for P-450?: sample code:
solar) kidney sample for P-450?: sample code:
heart sample for p-450? sample code:
-other samples taken?: comments:
gonads P450 V
musde pissue 1450 V

COLLECTION

70° 25.958 latitude: date collected: 67.30-01 41. 922 longitude: time collected: 09:00 IN depth(m): 3. station code: species: Arctic C.Sco method of take: Fyke net recorder: period of deployment: 07/28-07/30 alive when caught?: DISSECTION dissector: date: 07-30-01 recorder: start time: 12:30 specimen code: finish time: 2:35 weight(kg): standard length(mm): 200 416 3 external abnormalities/parasites: NA internal abnormalities/parasites: NA sex: SAMPLES Bile 01-515-37-FAC-T-AC sample code: liver sample for RGS?: sample code: -liver sample for T.M.?: sample code: muscle sample for T.M.?: 01-515-37-PHC-T-AC -liver sample for Organics?/TM sample code: 01-515-37 - CYP-T-AC sample code: liver sample for P-450?: gill sample for P-450?: sample code: , loen/kidney sample for P-450?: sample code: heart sample for p-450? sample code: other samples taken?: comments: commit x illers on Stin P450 Genard muscle Ilssue P450 gall tissue P450

COLLECTION

25,958 latitude: date collected: 0730-01 longitude: time collected: 0900 depth(m): 3 25 station code: SIS lounder species: method of take: Arctic Fyke het recorder: period of deployment: 0728-0730 alive when caught?: DISSECTION dissector: date: \$730-0 recorder: start time: 235 specimen code: finish time: weight(kg): 150 standard length(mm): external abnormalities/parasites: N4 NA internal abnormalities/parasites: sex: **SAMPLES** Bile 01-515-38-FAC-T-AF sample code: liver sample for RGS?: sample code: liver sample for T.M.?: sample code: muscle sample for T.M.?: -515-38 - PITC- T- AF -515-38 - CYP- T- AF sample code: liver sample for Organics?: sample code: liver sample for P-450?: sample code: gill sample for P-450?: widney sample for P-450?: sample code: heart sample for p-450? sample code: other samples taken?: comments: P450 gina muscle 4,5540 gall

COLLECTION

25.958 N date collected: 07.30-01 latitude: 69 00 longitude: time collected: 41.9221 W station code: depth(m): Sis Flaunder Fyke net method of take: species: ctic 0728/0730 recorder: period of deployment: Ed alive when caught?: yps DISSECTION dissector: date: 17-30-01 61 recorder: start time: 12:40 specimen code: finish time: 2:45 Esf.weight(kg): standard length(mm): 215 50 external abnormalities/parasites: NA internal abnormalities/parasites: NA sex: **SAMPLES** Bile 01-515-39-FAC-T-AF liver sample for RGS?: sample code: sample code: liver sample for T.M.?: sample code: muscle sample for T.M.?: sample code: 01 - 515 - 39 - PHC-T -liver sample for Organics?/TM 1 liver sample for P-450?: sample code: 01-513-39- CYPsample code: gill sample for P-450?: sample code: kidney sample for P-450?: heart sample for p-450? sample code: other samples taken?: comments: P450 gonad mucde Tissue

COLLECTION

70° 25.958 N 1480 41.922 N 25 m N latitude: date collected: 07-30-01 longitude: 0900 time collected: depth(pr): SIS station code: species: atic Hounder method of take: Fypenet period of deployment: recorder: 0728-0730 alive when caught?: DISSECTION dissector: date: 07-30-01 recorder: start time: 2:47 specimen code: finish time: 12:52 est weight(kg): standard length(mm): 209 external abnormalities/parasites: NA NA internal abnormalities/parasites: sex: Bile (leaked into card) SAMPLES liver sample for RGS?: -NA sample code: When 515=40-FAC=1 sample code: _liver_sample_for_T.M.?: musele sample for T.M.?: sample code: 01-SIS-YU-Pitc-T-AF -liver sample for Organics? sample code: 01-515-40-CYP-Tsample code: liver sample for P-450?: sample code: gill sample for P-450?: sample code: kidney sample for P-450?: sample code: heart sample for p-450? other samples taken?: comments: gonad 1450 muscle TISSUE P450

COLLECTION



COLLECTION

25.958 date collected: (730-07 latitude: time collected: longitude: 0900 depth(m): station code: 3.25 species: method of take: Fyke het rctic Flainder recorder: period of deployment: 0778/0770 alive when caught?: DISSECTION 76 dissector: 0730-01 date: recorder: start time: 1305 specimen code: finish time: 3:14 standard length(mm): weight(kg): 62 external abnormalities/parasites: VA internal abnormalities/parasites: A sex: M **SAMPLES** Bile 01-515-42-FAC-T-AF sample code: liver sample for RGS?: sample code: liver sample for T.M.? -muscle sample for T.M.?: sample code: sample code: tiver sample for Organics? 01-515-42-PItC liver sample for P-450?: sample code: 515-42gill sample for P-450?: \overline{L} sample code: kidney sample for P-450?: sample code: sample code: heart sample for p-450? other samples taken?: comments: P450 garan 15ml PUSU musili

COLLECTION

25.258'N latitude: date collected: 0730.01 time collected: longitude: 09:00 41.1221 depth(m): station code: Sis method of take: Fyke net species: atic Flounde period of deployment: 0728/0730 recorder: alive when caught?: DISSECTION dissector: 0730-01 GL date: 5 recorder: start time: 3:15 specimen code: finish time: 3:27 weight(kg): standard length(mm): 80 external abnormalities/parasites: NA internal abnormalities/parasites: NA sex: SAMPLES Bile 01-5,5-43-FAC-T-AP sample code: liver sample for RGS?: sample code: liver sample for T.M.?: sample code: musele sample for T.M.?: 01-515-43- PHC- T-AF sample code: Kiver sample for Organics?/TM 01-515-43- CYP-T-AF sample code: liver sample for P-450?: sample code: gill sample for P-450?: kidney sample for P-450?: sample code: heart sample for p-450? sample code: other samples taken?: comments: 1450 gonal PUSI 115ship mascle

COLLECTION

date collected: 0730.01 latitude: 70° 25,958 N	
time collected: $0.9.00$ longitude: $148^{\circ} 41.922^{\circ} W$	
station code: S(S depth(m)): 3.25	
method of take: Fyke het species: Arctic Fluinder (A	F)
period of deployment: 0728/0730 recorder: Fell	
alive when caught?: UKS	E.
DISSECTION	
date: $c7.30-c1$ dissector: JG^{+}	GL
start time: 13:24 recorder: FA	
finish time: 13.29 specimen code: AF	
standard length(mm): 141 weight(kg): 3/	
external abnormalities/parasites:	
internal abnormalities/parasites: NA-	
sex: M	
Bile Bile	_
Hiver sample for RGS?: t sample code: $01 - 315 - 44 - 1 - 4c - 7 - 7$	AP
liver sample for T.M.?:sample code:	
muscle sample for T.M.?: sample code:	
liver sample for P-450?: U sample code: $U = \frac{U}{-5.5 - 44} - \frac{R}{4} + C = T = \frac{U}{-5.5 - 44} - \frac{R}{4} + C = T = \frac{U}{-5.5 - 44} - \frac{C}{4} + \frac{R}{4} + \frac{C}{4} + \frac{R}{4} + \frac{C}{4} $	AF
liver sample for P-450?: $$ sample code: $O_1 - S_1 - 44 - C_y P - T -$	AF
gill sample for P-450?: sample code:	
Spley kidney sample for P-450?: sample code:	
heart sample for p-450? V sample code:	
other samples taken?: comments:	38
quinades 1950 V	
muscle Tissue 1450 V (nogall)	- I -luc
<u>Jonads 1950</u> <u>Muscle Tissue 1950</u> <u>Applied minarine Sciences</u> (hogall) <u>Applied minarine Sciences</u> (07-300)	out. cliss

FISH COLLECTION/DISSECTION DATA SHEET

COLLECTION

date collected: 0730-01	latitude	: 70° 25.958 'N
time collected: 09.00	longitude	
station code: $S(S)$	depth(m)	
method of take: fyke net	- 08	
period of deployment: 0728 073		
alive when caught?:		
<u> </u>	-	
- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	DISSECTI	ON
date:	calzola (dissector: 56 GL
start time:	13:32	recorder: Fa
finish time:	13:40	specimen code: FS
standard length(mm):	299	weight(kg): 400
external abnormalities/parasites:	the second se) <u> </u>
internal abnormalities/parasites:	NA	
sex:	NA TE	
-		
0.1	SAMPLE	-T-FS
Bile	sample code:	01-515-45-FAC-FE
Liver sample for RGS?:	sample code:	01-115- 455 FAC-10
liver-sample for T.M.?:	-sample code:	
-muscle sample for T.M.?:	-sample code:	T-FS
tiver sample for Organics?:/TM U		
liver sample for P-450?:	sample code:	01-515-45-CYP-T-FS
gill sample for P-450?:	sample code:	
kidney sample for P-450?:	sample code:	
heart sample for p-450?	sample code:	
other samples taken?:	comments:	
- Gonad Py50 V		/
Muscle Tissue 1450 L	/	

COLLECTION

date collected: 0730-01 latitude	: 70° 25.958 N
time collected: 0900 longitude	
station code: 515 depth(m	
method of take: Fyke net specie	
period of deployment: 07-28/0730 recorde	
alive when caught?:	
- <u> </u>	
DISSECT	ION
date: 07-30-01	dissector: JG GL
start time: 13:42	recorder: FQ
finish time: 13:48	specimen code: FS
standard length(mm): 250	weight(kg): 175
external abnormalities/parasites:	
internal abnormalities/parasites:	
sex: F	
	FQ
Bile	ES
liver sample for RGS?: U sample code:	01-515-46-FAC-T-FS
liver sample for T.M.?: sample code:	
muscle sample for T.M.?: sample code:	
tiver sample for Organics?/TMV sample code:	01-515-46-PHC-T-FS
liver sample for P-450?: sample code:	01-515-46-C4P-T-FS
gill sample for P-450?: sample code:	
Splow/kidney sample for P-450?: sample code:	
heart sample for p-450? sample code:	
other samples taken?: comments:	
Jonal Py50 V	
muscle Ilssue P450	V

COLLECTION

25.858 WN latitude: date collected: 17:30-01 09:00 longitude: time collected: 41922 depth(m): 25 station code: SLS Sculpin species: ourhorn method of take: Fyke het recorder: period of deployment: 0728/0730 alive when caught?: DISSECTION dissector: date: 0730-01 GL recorder: start time: 1300 specimen code: finish time: 357 est, weight(kg): standard length(mm): 125 210 3 external abnormalities/parasites: IA internal abnormalities/parasites: NA sex: SAMPLES Bile 01->13-42-FAC-T-FS sample code: liver sample for RGS?: sample code: liver sample for T.M.?: sample code: musele sample for T.M.?: liver sample for Organics?: sample code: M-515î. sample code: -FS liver sample for P-450?: 01-515-4 sample code: gill sample for P-450?: sample code: Splean/kidney sample for P-450?: heart sample for p-450? sample code: other samples taken?: comments: P450 Gonad 45C Mussle Ilsane

CC

date collected: 07.30-01 time collected: 09:00 station code: Sis method of take: f_{4} ke ret period of deployment: $\frac{0728/0730}{0728}$ alive when caught?: <u>yes</u>

Bile

COLLECTION		
	6	
latitude:	70 25.958 N	
longitude:	148° 41.922 W	
depth(m); species:	3.25	
species:	Fourhorn Saulpin (FS	2
recorder:	FQ	
10		

DISSECTION

date:	0730-01	dissector:	JG,GL
start time:	1358	recorder:	Fa
finish time:	14:03	specimen code:	FS
standard length(mm):	218	$e^{5^{\dagger}}$ weight (kg):	125
external abnormalities/parasites:	1/4	9 -	
internal abnormalities/parasites:	NA		
sex:	F		

SAMPLES

liver sample for RGS?: U sample code:	01-515-48- FAC-T-FS
liver sample for T.M.?: sample code:	
muscle sample for T.M.?: sample code:	
Hiver sample for Organics?	01-515-48-PHC-T-FS 01-515-48-PEYP-T-FS
liver sample for P-450?: V sample code:	01-513-48-8740 -T-FS
gill sample for P-450?: V sample code:	C/r
kidney sample for P-450?: V sample code:	
heart sample for p-450? V sample code:	
other samples taken?: comments:	
900022 P450 V	
muscle Tissue P450	

COLLECTION

		211
date collected: $0730-01$ time collected: $0730-01$	latitude: longitude:	70° 25.958 N 148° 41.922 ~W
	depth(pg):	3.25
	J1	
method of take: fyke net		Fourhorn Saulpin (FS)
period of deployment: $07/28 - 07$	30 recorder.	Kar
alive when caught?: <u>yes</u>		a 23
0	DISSECTIO	<u>DN</u>
date:	0730-01	dissector: JG GL
start time:	14:05	recorder: File
finish time:	14:11	specimen code: f_{S}
standard length(mm):	218	ξ_{s1} weight(kg): g_{2}
external abnormalities/parasites:	NA	3
internal abnormalities/parasites:	NA	
sex:	F	
-	•	
0.1.0	SAMPLE	<u>S</u>
Bile liver sample for RGS?: i	sample code:	01-513-49-FAC-T-FS
liver sample for T.M.?:	sample code:	~
	sample code:	
tiver sample for Organics?	sample code:	01-515-49-PHC-T-FS
liver sample for P-450?:	sample code:	01-515-49- CYP-T-PS
gill sample for P-450?:	sample code:	1
Spleen/kidney sample for P-450?:	sample code:	
heart sample for p-450?	sample code:	
other samples taken?:	comments:	
gunad P450 V		
muscle Jissue PYSO V		
comments; bile	very da	14 groen
A	Applied mman	ne Sciences

COLLECTION

25.958'N 67.30-01 latitude: date collected: 09:00 time collected: longitude: depth(ng): station code: Sis yke net species: method of take: fourhun Salpin recorder: period of deployment: 128-02/30 alive when caught?: DISSECTION dissector: date: 12730-01 start time: recorder: 4:13 specimen code: finish time: weight(kg): standard length(mm): 119 external abnormalities/parasites: VM internal abnormalities/parasites: NA sex: SAMPLES 01-515-50-FAC-T-FS liver sample for RGS?: sample code: -liver sample for T.M.?: sample code: sample code: muscle sample for T.M.?: 01-515-50-PHC-T-FS liver sample for Organics?/TmV sample code: 01-515-50-CYP-T-FS sample code: liver sample for P-450?: gill sample for P-450?: sample code: sample code: kidney sample for P-450?: sample code: heart sample for p-450? other samples taken?: comments: P450 gonad musche Tussae 1450 Comments! ulcer 02 Applied mmarine Sciences

COLLECTION



	Fish Collection/Dissectio	n Data Sheet	
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	28,01,01 15:00 PBS Support / Trawl / Hook & Line 0731 - 0891	Latitude: Longitude: Depth (m): Species: Recorder:	147° 49,211 1W
Start Time: Finish Time:	Dissection $\mathscr{B}_{1}\mathcal{O}_{1} \mathcal{O}_{1}$ $17:\mathscr{O}_{1}\mathcal{O}_{2}$ 17:20	Dissector: Recorder: Specimen Code:	JGrGC Fact BW 150
Standard Length (mm): External Abnormalities/Parasites:	260	Weight (g) _ Comments: _	
Abnormalities/Parasites:	MIFIO	Comments:	Y
and the second	Samples	(Year - Site - Rep	# -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	Qun		01- 195- 52 FAC - T- BC
Organics/Trace metals:		Sample Code:	01 PHC
Liver sample for P450:	Ψ/N	Sample Code:	01 CYP
Gill sample for P450:		Sample Code:	
Spleen sample for P450:	QIN	Sample Code:	
Kidney sample for P450:	QIN	Sample Code:	
Heart sample for P450:	(NN)	Sample Code: _ Sample Code:	
Gonad sample for P450: Muscle tissue sample for	(C) N	Sample Code.	
P450:		Sample Code:	01- V - V - CYP - / - //
Comments:	gall /1311e linke	fish faches d into fission	n from Fyke net. Co
Recorder:	Jungl	Lh Date:	08,01,01

	and a second	Fish Collection/Dissection	on Data Sheet	
No. of Concession, No. of Conces		Collection		-
	Date Collected:	78,03,01	Latitude:	70° 17650'N
	Time Collected:	12:00	Longitude:	142°49.211 'W
	Station Code:	185	Depth (m):	liom
	Method of Take:	Fyke net / Trawl / Hook & Line	Species:	Arttic Cisco(Ac)
	Period of Deployment:	0802/0803	Recorder:	ter
	Alive when Caught: Comments:	(VIN deployment	08-2-01.	092301
1.12	-	Dissection		
	Data	(8,03,0)	Discostor	76/61
	Start Time:		- Dissector: Recorder:	ER
	Finish Time:		Specimen Code:	Ar
	Standard Length (mm):	406	Weight (g)	600
	External Abnormalities/Parasites:	NA	Comments:	
	Internal Abnormalities/Parasites:	NA	_ Comments:	
	Sex:	QUIF1?	Mature:	Y/
100		Samples	(Year - Site - Rep	o # -Analysis -Matrix -Sp. Code)
	Bile/Gall for FAC: Sample for	QUN		01-PBS-53-FAC-T- A
	Organics/Trace metals:	(VIN	Sample Code:	01-PBS-53-PHC - T- A
	Liver sample for P450:	QIN		01-PBS-53-CYP-T- A
	Gill sample for P450:	(YPN	Sample Code:	
	Spleen sample for P450:	QIN	Sample Code:	
	Kidney sample for P450:	QIN	Sample Code:	
	Heart sample for P450:	QIN	Sample Code:	
	Gonad sample for P450:		Sample Code:	
	Muscle tissue sample for			
	P450:		Sample Code:	01-1 - J - CYP V
	Comments:	Small amont of	bile remain	in Jall
		gut tissue added	Aur 1450	
	Recorder:	20 m	Date:	08,13,01

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	and the second se	Fish Collection/Dissection D	ata Sheet	
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	Collection Collec	Latitude: Longitude: Depth (m): Species: Recorder:	70° 17.650' N 147°49.211 W 100 Fretic Oisco (Ac) Fun
	- Date: C Start Time: Finish Time: Standard Length (mm):		Dissector: Recorder: Specimen Code: Weight (g)	JG / GL Feli Ac FY
	External Abnormalities/Parasites: Internal	NA	Comments:	
	Abnormalities/Parasites:	MIRO	Comments: Mature:	YID
	Bile/Gall for FAC:	Samples Q/N		01- PBS- 59 - FAC -T - AC
	Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450:			01 CYP
	Kidney sample for P450: Heart sample for P450: Gonad sample for P450: Muscle tissue sample for P450:		Sample Code: Sample Code: Sample Code: Sample Code:	01 CYP 01 CYP
	Comments:		Ø	
1	Recorder:	A Quyli	Date:(08,03,01

(

Date Collected: <u>C</u> Time Collected: <u>J</u> Station Code:	ish Collection/Dissection Collection 57,03,01 3:00 PBS Vie pet / Trawl / Hook & Line 08-02 /08 = 3	Latitude: Longitude: Depth (m):	70° 17. 650 'N 147 & 49. 21. 1W 1.0 Brond Whitelph (BW) FQ
Date: Date: Start Time: Finish Time: Standard Length (mm):	Dissection	Dissector: Recorder: Specimen Code: Weight (g)	μ F9
External Abhormalities/Parasites: Internal	У NA	Comments: Comments:	anusfat petric fins Skin ulera
Abnormalities/Parasites: _ Sex:	M / F /?	Mature:	Y IN p # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450: Muscle tissue sample for P450:	Im Im <th>Sample Code: Sample Code:</th> <th>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</th>	Sample Code: Sample Code:	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Comments:	gut fissure for	P450 fa	ken
Recorder:	A. Quylu	Date:	08,03,01

Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	13:10 165 Frikebet / Trawl / Hook & Line 08/02 - 08/03	Longitude: Deoth (m):	147 Broad u	17.650' 049.21 Mutcfish	$l i \mu$	<u>,</u> <u>,</u>
	Dissection Uを1031 の 1 Tち:ちる	Dissector: Recorder:	Jb.	<u>61</u>		
	16:00	Specimen Code: Weight (g)	i p	00 00		
External Abnormalities/Parasites:	NA	Comments:	•			
Abnormalities/Rarasites;) NA Bladder	Comments:				
Sex:	(M)4 F / ? Samples	Mature: (Year - Site - Rep	Y (N)	-Matrix -Sp.	Code)	
Bile/Gall for FAC:	() N	Sample Code:				B
Sample for Organics/Trace metals		Sample Code:	01- -	- PHC -	-	
Liver sample for P450:	02+N	Sample Code:	01	- CYP -	-	
Gill sample for P450:	Q/N	Sample Code:	01	- CYP -	-	
Spleen sample for P450:	941N	Sample Code:	01	- CYP -		+
Kidney sample for P450:	-	Sample Code:		- CYP -	-	+
Heart sample for P450:		Sample Code:		- CYP -	-	+
Gonad sample for P450 Muscle tissue sample fo		Sample Code:		- CYP -		t
D/20	: GEIN	Sample Code:	<u>1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997</u>	Y - CYP -	/	₩
P450 Comments	Gut tissue tak	er \$150				

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		ish Collection/Dissecti	on Data Sneet	a series and the series			
		Collection				and a second second Second second s	
	Date Collected:	8,03,01	Latitude:	70°17		v	_
	Time Collected:		Longitude:	1470 4	9.211	W	_
	Station Code:	(BS We get / Trawl / Hook & Line	Depth (m): Species: /	hocks 1	tounder (AF)	-
	Period of Deployment:	08/02 - 08/03	Recorder	For		<u></u>	_
	Alive when Caught:	QUN I		2			
	Comments: _						
	-	Dissection		an ann an tar		entress Rote of States	
		8,03,01	Dissector:	56/6	12	ā.	
	Date: Start Time:		Recorder.	car			
	Finish Time:		Specimen Code:	A	Ċ		_
	Standard Length (mm):	754	Weight (g)	2	.00		
	External	Ara	0	_			
	Abnormalities/Parasites:	1017	Comments:				
\bigcirc	Internal Abnormalities/Parasites:	NA	Comments:	_			
	Abnormaniles/Falasites.			0			
	Sex:	MEAR	Mature:	YIN			
		Samples	(Year - Site - Rep	o # - Analysis	-Matrix -Sp. C	Code)	
	Bile/Gall for FAC:	QIN	Sample Code:	01- PBS_ 5	7-FAC -T	. A	F
	Sample for	~		1	t 1	1	
	Organics/Trace metals:	61N	Sample Code:	11111111111111111111111111111111111111	- PHC -		
	Liver sample for P450:	(VIN	Sample Code: Sample Code:		- CYP -	-	_
	Gill sample for P450: Spleen sample for P450:	QUN QUN	Sample Code:		- CYP -	-	
	Kidney sample for P450:	QYN	Sample Code:		- CYP -	-	
	Heart sample for P450:	YUN	Sample Code:		- CYP -	-	
	Gonad sample for P450:	N/N	Sample Code:		- CYP -	-	
	Muscle tissue sample for	Jan Barris					
	P450:	(Ŷ/ N	Sample Code:	<u>01- V -</u>	V-CYP-V	-)	¥
	Comments:	aut fissure Pr	150 taken	_			
	commonta.						
							_
\frown							
	Recorder:	And he he	Date	28,03,0	')		120
	Recorder.	Y					
		•					

	Fish Collection/Dissectio	n Data Sheet			
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	(8 1031 2) 13:00 1995 Evkernet / Trawl / Hook & Line 08 02 - 08 03 (9/ N	Latitude: Longitude: Depth (m): Species: Recorder:	10 147 1-0 Avetre FO	9 17.650 49.211 Flour der	12 12 (AF)
	Dissection	and a second			
Date: Start Time: Finish Time: Standard Length (mm):	and the second	Dissector: Recorder: Specimen Code: Weight (g)		F	
External Abnormalities/Parasites:	NA	Comments:			
Internal Abnormalities/Parasites: Sex:	NA MA	Comments:	YN		
and the second	Samples	(Year - Site - Rep	o # -Analysis	-Matrix -Sp. 0	Code)
Bile/Gall for FAC:	Samples	(Year - Site - Rep Sample Code:		and the second se	
Sample for	@/N	Sample Code:	01- PBS_ C	58-FAC-T	
Sample for Organics/Trace metals:	@/N Q/N	Sample Code:	01- PBS_ 0	58_ _{FAC} -T	
Sample for Organics/Trace metals: Liver sample for P450:	@/N	Sample Code: Sample Code: Sample Code:	01- PBS_ 9 01	58 _{-FAC} - T	
Sample for Organics/Trace metals:	@/N &/N &/N	Sample Code:	01- PBS_ 0 01 01 01	58_ _{FAC} -T	- A - -
Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450:	Ø/N Ø/N Ø/N Ø/N	Sample Code: Sample Code: Sample Code: Sample Code:	01- PBS_ 4 01 01 01 01	58-FAC - T - PHC - - CYP - - CYP -	- A - -
Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450:	Ø/N Ø/N Ø/N Ø/N	Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01- PBS_ 0 01 01 01 01 01	58 _{-FAC} - T - PHC - - CYP - - CYP - - CYP -	- A - -
Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450:	@/N Q/N Q/N W/N W/N Q/N	Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01- PBS_ 0 01 01 01 01 01 01	58-FAC - T - PHC - - CYP - - CYP - - CYP - - CYP -	- A'
Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450:	Q/N Q/N Q/N Q/N Q/N Q/N Q/N Q/N	Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01- PBS_ 4 01 01 01 01 01 01 01	58-FAC - T - PHC - - CYP - - CYP - - CYP - - CYP - - CYP -	- A'
Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450: Muscle tissue sample for	Q/N Q/N Q/N Q/N Q/N Q/N Q/N Q/N Q/N	Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01- PBS_ 4 01 01 01 01 01 01 01 01	58_FAC - T - PHC - - CYP - - CYP - - CYP - - CYP - - CYP - - CYP -	- A'
Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450: Muscle tissue sample for P450:	Q/N Q/N Q/N Q/N Q/N Q/N Q/N Q/N Q/N	Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01- PBS_ 4 01 01 01 01 01 01 01 01	58_FAC - T - PHC - - CYP - - CYP - - CYP - - CYP - - CYP - - CYP -	- A'
Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450: Muscle tissue sample for P450:	Q/N Q/N Q/N Q/N Q/N Q/N Q/N Q/N Q/N	Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01- PBS_ 4 01 01 01 01 01 01 01 01	58_FAC - T - PHC - - CYP -	- A'

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	Fish Collection/Dissecti	on Data Sheet	
	Collection		
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:		Latitude: Longitude: Depth (m): Species: Recorder:	70 ° 17.650 (N 147 ° 49.211 , W 1.00 pretic floundy (AF) Fez
Sector and the first frequency of the sector of the sec	Dissection		
Date: Start Time: Finish Time: Standard Length (mm):	16:26	Dissector: Recorder: Specimen Code: Weight (g)	AF
External Abnormalities/Parasites:	MA	_ Comments:	
Internal Abnormalities/Parasites:	NR	_ Comments:	
Sex:	MAD?	Mature:	(Y) N
and the second	Samples	(Year - Site - Rep	# -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC:	(Y) N	Sample Code:	01-885-59 - FAC -T - AF
Sample for Organics/Trace metals:		Sample Code:	01- - - PHC - -
Liver sample for P450:	ΟΎΝ	Sample Code:	
Gill sample for P450:	€/N	Sample Code:	01 CYP
Spleen sample for P450:	§Ó/N	Sample Code:	01 CYP
Kidney sample for P450:	Q'IN	Sample Code:	
Heart sample for P450:	Ø/N	Sample Code:	
Gonad sample for P450: Muscle tissue sample for	901 N	Sample Code:	01 CYP
P450:	3	Sample Code:	01- 1- CYP - 1- 1
Comments:	gut fissae for	Pyso taken	<u> </u>
Recorder:	2 m Quyb	Date:	04,03,01

	ish Collection/Dissection	n Data Sheet		
	Collection			
Date Collected: U Time Collected: Station Code: Method of Take: F Period of Deployment: Alive when Caught: Comments:	NE Det / Trawl / Hook & Line	Latitude: Longitude: _ Depth (m): _ Species: & Recorder: _	1 11. 2	
- 	Dissection			
Date: ⁰ Start Time: Finish Time: Standard Length (mm):	18 103101 16:28 16:35 23 1	Dissector: _ Recorder: _ Specimen Code: _ Weight (g) _	The GL Fa AF 175	
External Abnormalities/Parasites:	NA	Comments:		
Internal Abnormalities/Parasites	NA	Comments:		
Sex:	м/(Е)) ?	Mature:	YIN	
	Samples	(Year - Site - Rep	# - Analysis - Matrix - Sp. Code))
Bile/Gall for FAC: Sample for	QUN	Sample Code:	01- PBS- 60- FAC -T -	AP
Organics/Trace metals:	Q4N	Sample Code:	01 PHC	
Liver sample for P450:	(N	Sample Code:	01 CYP	
Gill sample for P450:	@/ N	Sample Code:		
Spleen sample for P450:	(10/ N	Sample Code:		
Kidney sample for P450:	W IN	Sample Code:	01 CYP	
Heart sample for P450:	0/N	Sample Code: _	the second se	
Gonad sample for P450:	Ø/N	Sample Code:	01 CYP	
Muscle tissue sample for P450:	() N	Sample Code: _	01-1 CYP	\bigvee
Comments:	gut hissue take	- for P450		
8				
	$\mathbf{\hat{y}}$		08,03,07	
Recorder:	- I mindary	L Date:	08103101	

Eish Collection/Dissection Data Sheet Collection Date Collected: $\frac{13}{12}$; $\frac{3}{12}$ Time Collected: $\frac{13}{12}$; $\frac{3}{12}$ Station Code: $\frac{73}{73}$ Method of Take: Mg/DH1 / Trawl / Hook & Line Period of Deployment: $\frac{9}{12}$ Alive when Count $\frac{9}{12}$ Date: $\frac{9}{12}$ Date: $\frac{9}{12}$ Date: $\frac{9}{12}$ Dissection $\frac{13}{2}$ Date: $\frac{9}{12}$ <	r 2001	da Summer 2	Animida S	MMS/A					\bigcirc
Date Collected: $\begin{bmatrix} 1S_1 & 0 \\ Time Collected: 13 : *0Latitude: \begin{bmatrix} 10^\circ & 14 \cdot 6^\circ 0 \\ 147 \cdot 947 \cdot 211 \\ 147 \cdot 947 \cdot$				an a	ta Sheet	ection/Dissection Da	Fish C		199 State (1997)
Time Collected: $13 : *0$ Station Code: $16 : *$ Method of Take: $16 : *$ Period of Deployment: $08 [022 - 05] 02$ Alive when Caught: $10 : *$ Comments: $08 [022 - 05] 02$ Dissection $10 : *$ Dissection $10 : *$ Dissection $10 : *$ Dissection $10 : *$ Stand Time: $10 : *$ Finish Time: $10 : *$ Image: Standard Length (mm): $13 : *$ Standard Length (mm): $13 : *$ External MA Abnormalities/Parasites: MA Sex: $M \in P1?$ M (f)?Mature:Sample for $01 : -$ Organics/Trace metals: $0! N$ Signe for P450: $0! N$ Sample for P450: $0! N$ Sample for P450: $0! N$ Sample Code: $01 : -$ Signe sample for P450: $0! N$ Sample Code: $0! -$ Signe sample for P450: $0! N$ Sample Code: $0! -$ Signe sample for P450: $0! N$ Sample Code: $0! -$ Signe sample for P450: $0! N$ Sample Code: $0! -$ Sample Code: $0! -$ Signe sample for P450: $0! N$ Sample Code: $0! -$ Sample Code: $0! -$ Signe sample for P450: $0! N$ Sample Code: $0! -$ Signe sample for P450: $0! N$ Sample Code: $0! -$ Signe sample for P450: $0! N$ <td< th=""><th></th><th></th><th></th><th></th><th></th><th>ollection</th><th></th><th></th><th></th></td<>						ollection			
Date: $\frac{0\%}{0}, \frac{0}{0}$ Dissector: $\frac{5}{4}$ Recorder: $\frac{5}{4}$ Start Time: $\frac{16}{2}$: $\frac{34}{4}$ Specimen Code: $\frac{5}{2}$ $\frac{5}{2}$ Standard Length (mm): $\frac{1}{34}$ Specimen Code: $\frac{5}{2}$ $\frac{5}{2}$ Abnormalities/Parasites: MA Comments: $\frac{1}{2}$ $\frac{1}{2}$ Abnormalities/Parasites: MA Comments: $\frac{1}{2}$ $\frac{1}{2}$ Sex: $M (F)$? Mature: $Y (N)$ Samples (Year - Site - Rep # Analysis Matrix - Sp. Cor Bile/Gall for FAC: $\bigcirc N$ N Sample Code: $01 - \frac{1}{2}$ $O1 - \frac{1}{2}$ Signaple for $Organics/Trace metals:$ \bigcirc /N N Sample Code: $01 - \frac{1}{2}$ $O1 - \frac{1}{2}$ $O1 - \frac{1}{2}$ Gill sample for P450: \bigcirc /N N Sample Code: $01 - \frac{1}{2}$ $O1 - \frac{1}{2}$ <td< th=""><th>ע' יש 5)</th><th>1. 211</th><th>5° 17. • 49. Suntpur</th><th>147. 1.0 fourhorn</th><th>Longitude: Depth (m): Species:</th><th>rawi / Hook & Line</th><th>13 : 0 70</th><th>Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught:</th><th></th></td<>	ע' יש 5)	1. 211	5° 17. • 49. Suntpur	147. 1.0 fourhorn	Longitude: Depth (m): Species:	rawi / Hook & Line	13 : 0 70	Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught:	
Start Time: $[6:3]$ Recorder: f^2a Finish Time: $[6:4]$ Specimen Code: f^2a Standard Length (mm): $13 \le$ Weight (g) $2 \le$ External MA Comments: Ma Abnormalities/Parasites: MA Comments: Ma Internal MA Comments: Ma Sex: $M(f)/?$ Mature: $Y(0)$ Samples (Year - Site - Rep # Analysis Matrix - Sp. Cox Bile/Gall for FAC: ON Samples Sample for Organics/Trace metals: O/N Sample Code: $01 - \frac{PHC}{2} - \frac{PHC}{2$					na tana ta	Dissection	ener des Generations		
Abnormalities/Parasites: \mathcal{NA} Comments: Internal \mathcal{NA} Comments: Abnormalities/Parasites: \mathcal{NA} Comments: Sex: M (F) ? Mature: Y (\mathcal{V}) Samples (Year - Site - Rep # Analysis Matrix - Sp. Corr Bile/Gall for FAC: \mathcal{N} N Samples Sile/Gall for FAC: \mathcal{N} N Sample Code: $01 - \frac{\rho \psi^2}{\rho} - \psi(1 - FAC - T) - \rho + \rho + \rho - \rho + \rho + \rho + \rho + \rho + \rho + \rho$			66	Fa	Recorder: ecimen Code:	5 Sp	16 : 1	Start Time: Finish Time:	
Abnormalities/Parasites:NAComments:Sex:M $(F/?)$ Mature:Y (N) Samples(Year - Site - Rep. # Analysis - Matrix - Sp. CorrestingBile/Gall for FAC: O NSamplesSample forOrganics/Trace metals: O/N Corresting O/N Sample Code:Liver sample for P450: O/N Gill sample for P450: O/N Spleen sample for P450: O/N Kidney sample for P450: O/N Heart sample for P450: O/N Sonad sample for P450: O/N Sample Code: $O1 CYP$ Side sample for P450: O/N Sample Code: $O1 CYP$ Sample for P450: O/N Sample Code: $O1 CYP$ Muscle tissue sample for O P450: O NSample Code:O1 CYPSample Code: $O1 CYP$ Sample Code: $O1 CYP$ Muscle tissue sample for O P450: O NSample Code:O1 CYPSample Code: $O1 CYP$ Sample Code: $O1 CYP$					Comments:	4			
Samples(Year - Site - Rep # - Analysis - Matrix - Sp. CorBile/Gall for FAC: Sample for \bigcirc NSample Code: $01 - 0 + 0 + 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0$				<u> </u>	Comments:	NA			\bigcirc
Bile/Gall for FAC: Sample for Organics/Trace metals: M Sample Code: $01 - PHC$ Sample for Organics/Trace metals: M/N Sample Code: $01 PHC$ Liver sample for P450: Gill sample for P450: M/N Sample Code: $01 CYP$ Spleen sample for P450: Kidney sample for P450: Heart sample for P450: M/N Sample Code: $01 CYP$ Solution Muscle tissue sample for P450: M/N Sample Code: $01 CYP$ Muscle tissue sample for P450: M NSample Code: $01 CYP$ Sample Code: $01 CYP$ Sample Code: $01 CYP$ Sample Code: $01 CYP$ Sample Code: $01 CYP$ Muscle tissue sample for P450: M NSample Code: $01 CYP$ Sample Code: $01 CYP -$				Y (N)	Mature:		м (Sex:	
Sample for Organics/Trace metals: $\bigcirc I N$ Sample Code: $\bigcirc 1 - PHC -$ Liver sample for P450: $\bigcirc I N$ Sample Code: $\bigcirc 1 - CYP -$ Gill sample for P450: $\bigcirc I N$ Sample Code: $\bigcirc 1 - CYP -$ Spleen sample for P450: $\bigcirc I N$ Sample Code: $\bigcirc 1 - CYP -$ Kidney sample for P450: $\bigcirc I N$ Sample Code: $\bigcirc 1 - CYP -$ Heart sample for P450: $\bigcirc I N$ Sample Code: $\bigcirc 1 - CYP -$ Gonad sample for P450: $\bigcirc I N$ Sample Code: $\bigcirc 1 - CYP -$ Muscle tissue sample for P450: $\bigcirc N$ Sample Code: $\bigcirc 1 - CYP \frown Muscle tissue sample forP450:\bigcirc NSample Code:\bigcirc 1 - CYP -$	le) .	rix -Sp. Code)	s -Matrix -	o # - Analysis	ear - Site - Rep	Samples (Y			
Organics/Trace metals: $O'IN$ Sample Code: $01 PHC$ Liver sample for P450: $O'IN$ Sample Code: $01 CYP$ Gill sample for P450: $O'IN$ Sample Code: $01 CYP$ Spleen sample for P450: $O'IN$ Sample Code: $01 CYP$ Kidney sample for P450: $O'IN$ Sample Code: $01 CYP$ Heart sample for P450: $O'IN$ Sample Code: $01 CYP$ Gonad sample for P450: $O'IN$ Sample Code: $01 CYP$ Muscle tissue sample for $O'IN$ Sample Code: $01 CYP$ P450: $O'IN$ Sample Code: $01 CYP$ Sample Code: $01 CYP$ Sample Code: $01 CYP$	FS	AC - T -	61- FAC	01-PBS-	Sample Code:				
Gill sample for P450: $//N$ Sample Code: 01 $ -CYP$ Spleen sample for P450: $//N$ Sample Code: 01 $ -CYP$ $-$ Kidney sample for P450: $//N$ Sample Code: 01 $ -CYP$ $-$ Heart sample for P450: $//N$ Sample Code: 01 $ -CYP$ $-$ Gonad sample for P450: $//N$ Sample Code: 01 $ -CYP$ $-$ Muscle tissue sample for P450: $//N$ Sample Code: 01 $ -CYP$ $-$	-	PHC	- PHC	and the second s			: On	rend distant stranger stranger and stranger	
Spleen sample for P450: MM Sample Code: 01 $ -$ CYP $-$ Kidney sample for P450: M/N Sample Code: 01 $ -$ CYP $-$ Heart sample for P450: M/N Sample Code: 01 $ -$ CYP $-$ Gonad sample for P450: M/N Sample Code: 01 $ -$ CYP $-$ Muscle tissue sample for P450: MN Sample Code: 01 $ -$ CYP $-$					2			Liver sample for P450:	
Kidney sample for P450: $(Y)/N$ Sample Code: $01 CYP$ Heart sample for P450: V/N Sample Code: $01 CYP$ Gonad sample for P450: V/N Sample Code: $01 CYP$ Muscle tissue sample for P450: V/N Sample Code: $01 CYP$ Sample Code: $01 CYP$ Sample Code: $01 CYP$	+					n	Q'		
Heart sample for P450:			1			7	Qu		
Gonad sample for P450:	+		1				m	and M. S See a second second	
Muscle tissue sample for P450: $\bigcirc N$ Sample Code: <u>01- $(CYP CYP CYP CYP CYP CYP CYP CYP$</u>	-		1				-		3
comments: 1155 gut faken for p450 andres	V						r Â	Muscle tissue sample for	
			5	molycis	P450 a	t taken for	<u>[1:550</u>	Comments	
Recorder: Junday Date: 08,03,01			01	08,03,0	Date:	mdazh		Recorder	\cap

	Collection	
Date Collected: 4	an a	
	13:00	Latitude: <u>/</u> / <u>A</u>
Station Code:	PBS	Depth (m):
	Fyke net / Trawl / Hook & Line	Species: Aquipment Blank (EB)
Period of Deployment:	NA	Recorder: Fol
Alive when Caught: Comments:	Y/N	
	Dissection	
Deter	8,03,01	Dissector: JG/GL
Date: j Start Time:		Dissector:) G/ G L Recorder: Fact
Finish Time:		Specimen Code: EB
Standard Length (mm):	NA NA	Weight (g) NA
	ſ	
External Abnormalities/Parasites:		Comments:
, anomanicon arabitos,		
Internal		
Abnormalities/Parasites:	V	Comments:
Sex:	M/F/?	Mature: Y / N
an at set to a training of set 1997 and	Samples	(Year - Site - Rep # -Analysis -Matrix -Sp. Code)
	0	m(1) EB AC
Bile/Gall for FAC:	(C) N	Sample Code: 01- PBS 62 - FAC EB QC Sample Code: 01- PBS 62 - PHC EB QC
Sample for		Sample Code: 01- PBS- 62- PHC -EB. Q.C.
Organics/Trace metals:	(Y) N	
Liver sample for P450:		Sample Code: 01 CYP
Gill sample for P450: Spleen sample for P450:	Y/N W/N	Sample Code: 01 CYP Sample Code: 01 CYP
	YVN	
Kidney sample for P450: Heart sample for P450:	YAN	Sample Code: 01 CYP Sample Code: 01 CYP
Gonad sample for P450:	YN	Sample Code: 01 CYP
Muscle tissue sample for	and the stand of t	Sample Code. 01 CTF
P450:	Construction of August 201	Sample Code: 01 CYP
	(a)	
Comments:	DI rinsate	collected @ 08.030)
Recorder:	Jun 2. h	Δ Date: 08103101

		ish Collection/Diss	ection Data Sheet	
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments: _			70 * 170 70 * 17.650 / N 1470 49.211 ~ W 1.0 m Dolly Varden (DV)
	Date: 0 Start Time: 7 Finish Time: Standard Length (mm):		Dissector: Recorder: Specimen Code: Weight (g)	JU, GL, JB fr pv 1250
\bigcirc	External Abnormalities/Parasites: Internal	NA	Comments:	~
	Abnormalities/Parasites:_ Sex:	M /)?	Mature:	
	Bile/Gall for FAC: Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450: Muscle tissue sample for P450:	Samples ØIN ØIN ØIN ØIN ØIN ØIN ØIN ØIN ØIN	Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01 CYP 01 CYP 01 CYP 01 CYP 01 CYP 01 CYP 01 CYP 01 CYP 01 CYP
\bigcirc	Recorder:	And	Date:	081041 01

	Fish Collection/Dissection [Data Sheet			
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:		Latitude: Longitude: Depth (m): Species: Recorder:	JU " 1470 1.0 Hemplere Pa	17.650 49.211 ~ cohutchsh	1 (N , M (HH)
Date: Start Time: Finish Time: Standard Length (mm):		Dissector: Recorder: Specimen Code: Weight (g)	Fal	0	· .
External Abnormalities/Parasites: Internal Abnormalities/Parasites:	NK NR	Comments: Comments:			
Sex:	м ()) ?	Mature:	Y (P)	Alexandra and on constitution	1.000 pr 7.000 f 1000 f 100
Bile/Gall for FAC: Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450:	(Y)N (Y)N MIN MIN MIN MIN MIN	(Year Site Rep Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01- VBS-6 01 01 01 01 01 01 01	Wale of States and States	- HW
Muscle tissue sample for P450: Comments:	٨	Sample Code: For P452	01- / - /	- CYP	/- \J
Recorder:	Jun Japa	Date:	08,04,0	1	

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		ish Collection/	Dissection Da	ta Sheet		an ann an Anna Ann an Anna		
		Collectio	n.					
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:		<u>ook & Line</u> /아니	Latitude: Longitude: Depth (m): Species: Recorder:	9 19 1-0 thumppu	20 ° 17. 27 ° 49. 22	650 211 (HW	
	-	Dissectio	n				araa Carta Carta ay	er rece
	Date: ℓ Start Time: Finish Time: Standard Length (mm):		Sp	Dissector: Recorder: becimen Code: Weight (g)	Fdr H(the second se	50	
	External Abnormalities/Parasites:	NA		Comments:	\sim			8
()	Internal Abnormalities/Parasites:	NA	1	Comments:		~		
	Sex:	M (F) ?		Mature:	۲N	25		
	an a	Sample		ear - Site - Rep				
	Bile/Gall for FAC: Sample for	Ø∕ N		Sample Code:	01-105-	65-FAC -	<u>T-</u>	HW
	Organics/Trace metals:	DIN		Sample Code:		- PHC -		+
	Liver sample for P450:	N'N		Sample Code:		- CYP -	_	+
	Gill sample for P450:	NO N		Sample Code:		- CYP	_	+
	Spleen sample for P450:	(19/1 N (19/1 N		Sample Code: Sample Code:		-		
	Kidney sample for P450: Heart sample for P450:	(M) N		Sample Code:		01/0	-	+
	Gonad sample for P450:	NO IN		Sample Code:		010		+
	Muscle tissue sample for P450:	QIN		Sample Code:		V-CYP		\checkmark
	Comments:		ssue take	n for f	450		v	
	0							
\bigcirc	Recorder:	hum	2 lin	, Date:	081041	0		

\bigcirc				MMS/Animida Summer 2001
		Fish Collection/Dissection D	ata Sheet	
		Collection	an a	
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	14:00	Latitude: Longitude: Depth (m): Species: Recorder:	70 ° 17,650 ° N 147° 49.211 . W 1.0 fumpback Philefik (HW) Far
	- Date: (Start Time: Finish Time: Standard Length (mm):	Dissection $\begin{array}{c} 08 \ rog \ rog \\ 16 \ \cdot \ y \ p \\ \hline 16 \ \cdot \ y \ 5 \\ \hline 350 \ \cdot \end{array}$ s	Dissector: Recorder: pecimen Code: Weight (g)	Fili
(External Abnormalities/Parasites:	NA	Comments:	
()	Internal Abnormalities/Parasites:	MA-	Comments:	
	Sex:	OR	Mature:	Y (N)
		Samples (Year - Site - Rep	# -Analysis -Matrix -Sp. Code)
	Bile/Gall for FAC: Sample for	() N	Sample Code:	01- PBS- 16- FAC -T- HW
	Organics/Trace metals:	50 × 10	Sample Code:	
	Liver sample for P450:	(W) N	Sample Code:	
	Gill sample for P450:		Sample Code:	
	Spleen sample for P450: Kidney sample for P450:	(O) N (O) N	Sample Code: Sample Code:	
	Heart sample for P450:	() N	Sample Code:	
	Gonad sample for P450:	() IN	Sample Code:	
	Muscle tissue sample for P450:	0	Sample Code:	
	Comments:	gut fissue taka	for pus	2
\bigcirc	Recorder:	Jun Juli	Date:	c8, 04, 11

						141141377	Anninua Sun		
	F	ish Colle	ction/Disse	ction Dat	ta Sheet				
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments: _	08,04,01 14:00 PBS	awi / Hook & L		Latitude: Longitude: Depth (m): Species: Recorder:	70 ° 1470 10 10 10 10 10 17 170 170 10 10 10 10 10 10 10 10 10 10 10 10 10	17.65 49.211 = C.Sco) ((Ac)	23
	Date: (Start Time: 7 Finish Time: Standard Length (mm):	×1410 6:47 16:53	ssection	Sp4	Dissector: Recorder: ecimen Code: Weight (g)	Fa	c		
	External Abnormalities/Parasites:		NA		Comments:				
\bigcirc	Internal Abnormalities/Parasites: Sex:	(W)F1?	NA		Comments:	Y / ®	-		
			Samples	(Y	ear - Site - Rep	o # -Analysis	-Matrix -Sp.	Code)	cadi
	Bile/Gall for FAC: Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450: Muscle tissue sample for P450:		tessue		Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01- A35 - (01 01 01 01 01 01 01			
\cap	Recorder:		~2	ph	Date:	08,00(,	01		

MMS/Animida Summer 2001 A sold a second a place . **Fish Collection/Dissection Data Sheet** Collection Date Collected: U8 , 4, 0(Latitude: Time Collected: 14:00 Longitude: Station Code: PBS Depth (m): .0 Method of Take: Fire Det / Trawl / Hook & Line Species: Avctic CISCO 08/03-Period of Deployment: Recorder: 08 Alive when Caught: Comments: Dissection Date: 08,04, 01 Dissector: 16 GL Start Time: 16:53 Recorder: FO Finish Time: 16:51 Specimen Code: Standard Length (mm): Weight (g) tom External Abnormalities/Parasites: Comments: NA Internal Abnormalities/Parasites: Comments: YN M/F/? Mature: Sex: Samples (Year - Site - Rep # - Analysis - Matrix - Sp. Code) Sample Code: 01- PB- 68- FAC -Bile/Gall for FAC: (VIN Sample for - PHC -Organics/Trace metals: (YIN Sample Code: 01-Liver sample for P450: WIN Sample Code: 01-- CYP -_ QIN Gill sample for P450: Sample Code: 01-- CYP ---(VIN Spleen sample for P450: Sample Code: 01-- CYP -Kidney sample for P450: MIN Sample Code: 01-- CYP --(VIN Heart sample for P450: Sample Code: 01--- CYP -(KN) Gonad sample for P450: Sample Code: 01-- CYP -Muscle tissue sample for ()/N P450: Sample Code: 01- N - CYP tissue tissue taken to P45D Comments: Date: 08 104, 01 Recorder:

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	MMS/Animida Summer 2001						
F	jsh Collection/Dissectio	on Data Sheet					
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments: _	4:00 PBS VKa Det / Trawl / Hook & Line	Latitude: Longitude: Depth (m): Species: Recorder:	70° 17.650 (N 147-0 49.211 -W (-0 Arctic Oisco (AE) Fac				
Date: Start Time: Finish Time: Standard Length (mm):	Dissection 5 v + v + v + v + v + v + v + v + v + v	Dissector: Recorder: Specimen Code: Weight (g)	JG EL, JB Fel Ac 19				
External Abnormalities/Parasites: Internal Abnormalities/Parasites: Sex:	NA NA MIF(?)	Comments: Comments: Mature:	Y (R)				
	Samples	(Year - Site - Rep	a # -Analysis -Matina -Sp. Code)				
Bile/Gall for FAC: Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450: Muscle tissue sample for P450:	QIN QIN QIN QIN QIN QIN QIN	Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code: Sample Code:	01- - - CYP - - 01- - - CYP - -				
Comments:	gut fissue for	P450 fax					
Recorder:	hon Dusy	L. Date:	08,04,01				

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and the second	ish Collection/Diss	ection Data Sheet			
	Collection			的政治法律法法	
Date Collected: 👌	8,04,01	Latitude:	70 °	17.650	2 CN
Time Collected: 1	4.00	Longitude:	1470	49.211	rw
Station Code:	PBS	Depth (m):	1.0 0		
Method of Take:	We net / Trawl / Hook &		tourhown Sc	ulpin (+5)
Period of Deployment:	-08/03 - 08		Fa		
Alive when Caught:	(V)N				
Comments:					
	Dissection				
Date	18,04,01	Dissector: Recorder: Specimen Code:	JW, GL	JB	
Start Time:		Recorder:	Far		
Finish Time:	7:12	Specimen Code:	ES		
Standard Length (mm):	245	Weight (g)		150	
			10		
External	NA	Comments:			1
Abnormalities/Parasites:			and the second		
Internal		1.4			
Abnormalities/Parasites:		Comments:			
Sex:	MIFI?	Mature:	YIN		
	Samples	(Year - Site - Re	p # -Analysis -I	Vatnx-Sp. C	Sode)
Elistente distanti di secondo di s			and Le		EC
Bile/Gall for FAC:	(V)IN	Sample Code:	01-PBS-70	- FAC -	. FS
Sample for	.)	Camala Cada:		- PHC -	- 9
Organics/Trace metals:		Sample Code:		- CYP -	
Liver sample for P450:	(M) N	Sample Code:			
Gill sample for P450:	(DIN	Sample Code:		- CYP -	
Spleen sample for P450:	QIN	Sample Code:		- CYP -	
Kidney sample for P450:	W N	Sample Code:		- CYP -	
Heart sample for P450:	QIN	Sample Code:		- CYP -	
Gonad sample for P450:		Sample Code:	01	- CYP -	
Muscle tissue sample for P450:	a)	Sample Code:	01- 2	- CYP -	1- 1
F450.	0	00pic 2020			
) /	1. 0.0.	1		
Comments:	Cut tissue	-takin for P	150		
17 - 16 - 16 - 16 - 16 - 16 - 16 - 16 -					
				,	
82 ID		<u> </u>	0 16		
Recorder	im Ir L	La La Date	08, 24, 0	l	
÷ć,

16:59

	FI CONTRACTOR	sh Collection/Dissectio	n Data Sheet	
		Collection		
nik M	Station Code:	1,34,01 4:00 165 160 103 - 08/14 103 - 08/14 103 - 08/14	Latitude: Longitude: Depth (m): Species: Recorder:	70 • 17.650 'N 147 • 49.211 IW 1-0 Fourthom Saylpin (FS) FR
		Dissection		-
		17:13 17:20 17:20	Dissector: Recorder: Specimen Code: Weight (g)	
	External Abnormalities/Parasites:	NA	_ Comments:	
a la	Internal Abnormalities/Parasites: Sex:	NA MIF13	Comments: Mature:	QIN
	36A.	Samples		a # -Analysis -Mainx -Sp. Code) :
	Bile/Gall for FAC:	ØIN	Sample Code:	01-135-71-FAC-T- FS
	Sample for Organics/Trace metals:	W IN	Sample Code:	01- 1 - PHC - 1 - 1
	Liver sample for P450:	(VIN	Sample Code:	01 CYP
	Gill sample for P450:	TOIN	Sample Code:	
	Spleen sample for P450	NO CO	Sample Code:	
	Kidney sample for P450:	X'N	Sample Code:	
	Heart sample for P450:	QUN	Sample Code: Sample Code:	
	Gonad sample for P450: Muscle tissue sample for P450:		Sample Code:	
	Comments:	gut faken	6× 19450	
	3			
-	Recorder:	Jundah	Date	08,04,01

			MMS/An	imida Summe	r 2001
and the second	ish Collection/Dissectio	n Data Sheet			
	Collection				
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments: _		Latitude: Longitude: Depth (m): Species: Recorder:	147 0 1.5 Fretic Fl	17.650 49.211 ounder (A	~N3 5
Date: (Start Time: Finish Time: Standard Length (mm): External	Dissection 18104101 17:20 17:27 17:27 197	Dissector: Recorder: Specimen Code: Weight (g)	169 Free- 75	<u></u> F£	
Abnormalities/Parasites:	M	Comments:			
Abnormalities/Parasites:	NA	Comments:		3	
Sex:	(M)/F/?	Mature:	•		127
Bile/Gall for FAC:	Samples	(Year - Site - Rep Sample Code: _			<u>A</u> P
Sample for Organics/Trace metals: Liver sample for P450:	Q'N Q'N	Sample Code: _ Sample Code: _	<u>01-</u> -	- PHC	\pm
Gill sample for P450: Spleen sample for P450: Kidney sample for P450:	(O) N (O) N (O) N	Sample Code: _ Sample Code: _ Sample Code: _	01	- CYP - CYP - CYP	\pm
Heart sample for P450: Gonad sample for P450: Muscle tissue sample for		Sample Code: _ Sample Code: _	01	- CYP	
P450: Comments:	(VIN Gut lissue take	Sample Code:_ 	01-V - V	- CYP - [-	<u>v</u>
Recorder:	m In	Date:	28,104,101		

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MMS/Animida Summer 2001 Fish Collection/Dissection Data Sheet Collection Date Collected: 9814101 Latitude: Longitude: Time Collected: 4:00 Depth (m): Station Code: PBS Method of Take: Fyke det / Trawl / Hook & Line Species: Arc Period of Deployment: 08/03 -Recorder. Alive when Caught: (VIN Comments: Dissection Date: 08 104101 Dissector: JG -61 Start Time: 1300 Recorder: Finish Time: 17 Specimen Code: Standard Length (mm): Weight (g) External NĄ Comments: Abnormalities/Parasites: Internal NA Abnormalities/Parasites: Comments: Mature: Sex: M / (Year - Site - Rep # -Analysis -Matrix -Sp. Code) Samples Sample Code: 01-PB5 73 - FAC - T -QN AF Bile/Gall for FAC: Sample for (VIN Organics/Trace metals: Sample Code: 01-- PHC -Sample Code: 01-- CYP -Liver sample for P450: (Y) N Sample Code: 01-- CYP -Gill sample for P450: (V) N Sample Code: 01-Spleen sample for P450: ()/N ... - CYP --Sample Code: 01-- CYP -Kidney sample for P450: (QIN WN Sample Code: 01-- CYP -Heart sample for P450: _ -(Ŷ) N Sample Code: 01-Gonad sample for P450: -- CYP -.... Muscle tissue sample for - CYP P450: Ý Sample Code: 01-P450 Comments: aut fissle taken to/ Date: 08,04,01 Recorder:

)			MMS/Animida Summer 2001
		Fish Collection/Diss	ection Data Sheet
		Collection	
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	代: 40 作らら Evkenet / Trawi / Hook &	Latitude: <u>MA</u> Longitude: <u>J</u> Depth (m): <u>J</u> Line Species: equipment Blank (EB) Recorder: <u>Fq</u>
		Dissection	
	Date: Start Time: Finish Time: Standard Length (mm):		Dissector: J.G., G.L. 5.B Recorder: Port Specimen Code: E.B Weight (g) N.A
	External Abnormalities/Parasites:	NA	Comments:
	Internal Abnormalities/Parasites:	NA	Comments:
	Sex:	M/F/?	Mature: Y / N
		Samples	(Year - Site - Rep # -Analysis -Matrix -Sp. Code)
	Bile/Gall for FAC: Sample for	- I	Sample Code: 01-PBS-74-FAC-FBQC
	Organics/Trace metals:		Sample Code: 01- 1 - 1 - PHC - 1 - 1/
	Liver sample for P450:	YIN	Sample Code: 01 CYP
	Gill sample for P450:	4	Sample Code: 01 CYP
	Spleen sample for P450:	Y / D	Sample Code: 01 CYP
	Kidney sample for P450:	Y10	Sample Code: 01 CYP
	Heart sample for P450:	Y 109	Sample Code: 01 CXP
	Gonad sample for P450: Muscle tissue sample for		Sample Code: 01 CYP -
	P450:		Sample Code: 01 CYP
	Comments:		
)	Recorder:	Am an	Date: 05 1041 = 1
			and of de ssection day 2 08-04

Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:		Latitude: Longitude: Depth (m): Species: Recorder:	70° 17.650'N 147° 49.211 W 100 Browd white fish (BW) Fdh
	Dissection		-
	08,06,01	Dissector:	16
Start Time:		Recorder:	BW
Finish Time: Standard Length (mm):		Specimen Code: Weight (g)	400
External		voign (9)_	100
bnormalities/Parasites:	NA	Comments:	
Internal bnormalities/Rarasites:	-MAC	Comments:	workes in Swim
Sex:	MIF1?	Mature:	YN
	Samples	(Year - Site - Rep	# -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC:		Sample Code:	01-185-75-FAC - T- Bh
Sample for	(Sample Code:	01- - PHC - -
organics/Trace metals: .iver sample for P450:	Ň	Sample Code:	
Gill sample for P450:	Ϋ́	Sample Code:	
leen sample for P450.	- -	Sample Code:	
iney sample for P450:	R.	Sample Code:	
leart sample for P450:	7)	Sample Code:	
onad sample for P450		Sample Code:	
uscle tissue sample for	r č		
P450	: ()/N	Sample Code:	01- V - V - CYP - V - V
Comments	gut tissue taken	- For P450	
	······································		
	And the second		
	A		58,04,01

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	Collectio	n				
Date Collected: _ L	18,06,01		Latitude:	70°	17.650	'N
Time Collected: 0	9:00		Longitude:	1470	49.21	1 100
Station Code:	PBS		Depth (m):	1.0		
Method of Take: E	yke net / Trawl / H		Species: p	wood when	tetish	(BW)
Period of Deployment: _ Alive when Caught: Comments: _	08-04 -	~8 VQ	Recorder:	¢	en	
-	Dissectio	on.		6	<u>ج</u>	
Date:	08,06,01		Dissector:	fat	56	GL
	11:00		Recorder:	Ken		
Finish Time:	L : 10	5	Specimen Code:		BW	
Standard Length (mm):	175		Weight (g)	- 41	-	
External Abnormalities/Parasites:	N	t	Comments:		_	
Internal Abnormalities/Parasites:		11-	Comments:		-	
Abnormalities/Parasites.	<u>A</u>	M	Continients.	0		
Sex:	M/F/?)		Mature:	YIN		
	Sample	S	Year - Site - Rep			
Bile/Gall for FAC: Sample for	(¥)/N		Sample Code:	01-965-	76-FAC -	1.
Organics/Trace metals:	(Y)IN	а <u>.</u>	Sample Code:	01	- PHC -	-
Liver sample for P450:	(Ŷ) N		Sample Code:	01	- CYP -	1-
Gill sample for P450:	QUN		Sample Code:	01	- CYP -	1 -
Spleen sample for P450:	WIN		Sample Code:	01	- CYP -	1-
Kidney sample for P450:	()IN		Sample Code:	01	- CYP -	-
Heart sample for P450:	(P) N		Sample Code:	01	- CYP -	
Gonad sample for P450:	YIN)		Sample Code:	01	- CYP -	
Muscle tissue sample for P450:	()IN		Sample Code:	01-1/-	J-CYP -	<u> </u>
Comments:	gut to	she taken				
	Bile lear	ul Sindl	and in	body	autr (}
	and the second se					and the second se

\bigcirc				MMS/Anim	ida Summer 2	:001
		Fish Collection/Diss	ection Data Sheet			
		Collection	ار با از این از میکند. از این از این			
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	$\frac{1810^{6}}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$		ide: 147 4 m): 1.0 es: Wood Unite fi	550'N 9.2.11's 511 (Bb)	8
	-	Dissection	an a		aat oo shirafaa taa a	NUMBER OF
	Date: (Start Time: Finish Time: Standard Length (mm):	18,06, 01 11 : (=	Dissec Record Specimen Co Weight	der: Fan de: R		
	External Abnormalities/Parasites:	- yes	Comme	nts: piece of tru	l negrown	n
\bigcirc	Internal Abnormalities/Parasites:	NA	Comme	nts:		
	Sex:	()/F/?	Matu	ure: 🕅 N		
	a series and series in the series of the	Samples	(Year - Site -	Rep # -Analysis -Ma	trix -Sp. Code)	
	Bile/Gall for FAC: Sample for	(⊗/ N		ode: 01-165-77-		31
	Organics/Trace metals:	() / N	Sample Co	ode: 01	PHC	
	Liver sample for P450:	Q/N	Sample Co	ode: 01	CYP	
	Gill sample for P450:	M/N	Sample Co	ode: 01	CYP	
	Spleen sample for P450:	Q/N	Sample Co		CYP	
	Kidney sample for P450:	Q'N	Sample Co		CYP	<u> </u>
	Heart sample for P450:	S'N	Sample Co		CYP	
	Gonad sample for P450: Muscle tissue sample for	A) I N	Sample Co	ode: 01	CYP	\vdash
	P450:	C)	Sample Co	ode: 01-V-V-	CYP - V - 1	k
	Comments:	gent fissue	taken for	P150		
\cap	Recorder:	7.m An	l- Da	atex <u>7106101</u>		

All Land	F	ish Collection/Disse	ection Data Sheet					
and a		Collection						
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught:			70° 147 1.0 Quzt FQ	17.650 49.2 Dic Flun	1 N - 11 def (1	(w	
	Comments: _	Dissection		andre stational				
	Date: Start Time: Finish Time: Standard Length (mm):	11:20	Dissector: Recorder: Specimen Code: Weight (g)	J6 F0	2 AF	ne-soyan gan a		
	External Abnormalities/Parasites	NA	Comments:	\smile				
	Internal Abnormalities/Parasites:	NA	Comments:	_	/			
	Sex:	м (F)/?	Mature:	Y /W				
		Samples	(Year - Site - Rep	#- Analy	sis -Matrix -	Sp. Co	ode)	
	Bile/Gall for FAC:	(Y) N	Sample Code:	01- PBS.	78 - FAC	·T	- P	+F
	Sample for Organics/Trace metals:	QIN	Sample Code:	01-	- - PHC		-	1
	Liver sample for P450:	QIN	Sample Code:		- CYP		-	
	Gill sample for P450:	Qr/N	Sample Code:	01-	CYP	-	-	
	Spleen sample for P450:	W N	Sample Code:	01-	- CYP	-	-	
	Kidney sample for P450:	ØIN	Sample Code:	01-	CYP	-	-	
	Heart sample for P450:	ØIN	Sample Code:	01-	CYP	-	-	
	Gonad sample for P450:	()IN	Sample Code:	01-	CYP	-	-	
	Muscle tissue sample for P450:		Sample Code:	01-	- CYP	-il	<u>-</u> ၂	/
	Comments:	grit tissu	e takentor Py	50				
	Recorder:	from 2 pm	ph Date:	08,04,	51			

		ish Collect	tion/Diss	ection D	ata Sheet					
		 An an an	ection	N. C.		Active Section 1				
	Date Collected:	18,06,01	Z.		Latitude:	70°	17.6	.50'A	>	
	Time Collected:				Longitude:	147	04	9.211	1	ω
	Station Code:	PBS			Depth (m):	P		10:		
	Method of Take: E	vke net/ Trav	M / Hook &	Line	Species:			ulpin	115	<u>}</u>
	Period of Deployment: _ Alive when Caught: Comments: _	WIN -	- 08/04		Recorder:	- FG	<			
	-	Diss	ection	or the set set of					REN 20	
		AND CHARGE PROPERTY OF THE CONTRACT PROVIDED AND CONTRACT			n Fankrustine geste seren fisterer fra de		лезенкене л.)	10778-1920128-198494		(ABDAGESSAND)()
	Date: C	18,06,01			Dissector:	the second se	GL			
	Start Time:	1:27			Recorder:		n c			
	Finish Time: _ Standard Length (mm):	1:96	140	3	pecimen Code: Weight (g)		20			
	Standard Length (mm)		110		Weight (g)		20	<u> </u>		
	External Abnormalities/Parasites: _		NA		Comments:		_			
\cap	Internal		N /A				_			
(-)	Abnormalities/Parasites:		NA		Comments:		~			
	Sex:	M (F) ?			Mature:	(Y) N				
		Sar	mples		Year - Site - Rep	o # -Analy	sis -Ma	trix -Sp.	Code)	
	Bile/Gall for FAC: Sample for	()/ N			Sample Code:	01-(15	.79.	FAC -T		FS
	Organics/Trace metals:	(VIN			Sample Code:	01-	. .	PHC -	-	
	Liver sample for P450:	WIN			Sample Code:			CYP -	-	\top
	Gill sample for P450:	N/N			Sample Code:			CYP -		-
	Spleen sample for P450:	(V/N			Sample Code:			CYP -	-	<u> </u>
	Kidney sample for P450:	QIN			Sample Code:		_	CYP -	-	<u> </u>
	Heart sample for P450:	NIN			Sample Code:			CYP -	-	<u> </u>
	Gonad sample for P450:	(YIN			Sample Code:			CYP -		1
	Muscle tissue sample for	0								1
	P450:	(Y) N			Sample Code:	01-1	- 1/ -	CYP -	1- V	<u> </u>
	Comments:	gut 1	tissure	taken	tor pu	150				
\bigcirc	Recorder:	Jun	-J2	-J-	Date:(1 901 94	01			

Date Collected: Time Collected: Station Code:		Data Sheet Latitude: $\frac{10^{\circ}}{14.450^{\circ}N}$ Longitude: $\underline{144^{\circ}} + \underline{9.211^{\circ}N}$ Depth (m): $\underline{1.9}$
	Fykenet / Trawl / Hook & Line 08/04 - 08/66 0/ N	Species: Fourhoin Sailpar (F3) Recorder: Fal
	Dissection	
Date:	08106101	Dissector: J& GL
Start Time:	11:33	Recorder: TCM
Finish Time:		Specimen Code:FS
standard Length (mm):	142	Weight (g) 35
External phormalities/Parasites:	NA	Comments:
Internal pnormalities/Parasites:	NA	Comments:
Sex:	MAFY?	Mature: Y / N
	Samples	(Year - Site - Rep # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	() N	Sample Code: 01-PBS - 80 - FAC -T - FS
Organics/Trace metals:	(DIN	Sample Code: 01- - PHC - -]
Liver sample for P450:	(JIN	Sample Code: 01 CYP
Gill sample for P450:	AK	Sample Code: 01 CYP
leen sample for P450:	(T) N	Sample Code: 01 CYP
dney sample for P450:	\checkmark	Sample Code: 01 CYP
Heart sample for P450:	AIN	Sample Code: 01 CYP
onad sample for P450:	X	Sample Code: 01 CYP
uscle tissue sample for P450:	ý A	Sample Code: 01- /- /- CYP - /- //-
Comments:	gut tissue taken	for 19450
Recorder:	Arme 2ml	Date: 08 106 10
Recorder:	- 1 vin ampra	
		Ens of direction da

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	Fish Collection/Dissection	n Data Sheet
	Collection	na an an an ann an an ann an ann an ann an a
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	$\frac{10:00}{L_14}$ Fyke net / TRave / Hook & Line $\frac{69107}{OVN}$	Latitude: NA Longitude: NA Depth (m): NA Species: Arctic Cisco (Ac) Recorder: FR
	Dissection	
		Dissector: <u>56 6L</u> Recorder: <u>Fan</u> Specimen Code: <u>A</u> C Weight (g) <u>2.00</u>
External Abnormalities/Parasites:		Comments:
Internal Abnormalities/Parasites:	NIX	Comments:
Sex:	MIF1?	Mature: Y
		(Year - Site - Rep # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for		Sample Code: 01-LIY - 81 - FAC - T - AC
Organics/Trace metals:		Sample Code: 01 PHC
Liver sample for P450:	Y/N	Sample Code: 01 CYP
Gill sample for P450:	Y/N	Sample Code: 01 CYP
Spleen sample for P450:	Y/N	Sample Code: 01 CYP
Kidney sample for P450:	Y/N	Sample Code: 01
Heart sample for P450:	Y/N	Sample Code: 01 CYP
Gonad sample for P450:		Sample Code: 01 CYP
Muscle tissue sample for P450:		Sample Code: 01- / CYP - /-
Comments:	gut tissue for	un for 1950
Recorder:	Jun Al	Date:08 107,0)

		A STATE OF A	a to a second a support of the second sec	and the state of the state of the state of the		GRAD CONTRACTOR
		Fish Collection/Diss	ection Data Sheet			
	•	Collection				
		The second state of	a an			K. V. V. V. V. +
	Date Collected:		Latitude:	and the second design of the s		
	Time Collected:		Longitude:	NAME AND ADDRESS OF TAXABLE PARTY.		
	Station Code:	Fyke net / Trawi / Hook &	Depth (m):	Arctic	C15/6 (4	K)
			Recorder.	the second s	1300 11	
	Period of Deployment: _ Alive when Caught:	101N 08/07				
	Comments:					
	Continients.					
	-			MERICAN STATES		66627427
		Dissection	in the second second second second second			BARRER RECRE
	Data	08,07,01	Dissector:	Jb. G	ب	
	Start Time:		Recorder:			
	Finish Time:		Specimen Code:	The supervised in the local division of the		
	Standard Length (mm):	10.11 1200	Weight (g)		225	
	External		-			
	Abnormalities/Parasites:		Comments:			
\sim	Internal			1	5	
()	Abnormalities/Parasites:	Uls	Comments:	fapeu	101 103	
-	Sex:	MIF1?	Mature:	2		
	and a state of the			.		PRENATION VI
		Samples	(Year - Site - Re	NAME OF TAXABLE PARTY OF TAXABLE OF TAX	The contract of the second	ode)
		A	Sample Code:	01 44 8	2 FAC . T.	. AC
	Bile/Gall for FAC: Sample for		Sample Code.	010	1-170-1	······································
	Organics/Trace metals:	A 3	Sample Code:	01	- PHC -	-
	Liver sample for P450:	21	Sample Code:	- T	- CYP -	-
		N	Sample Code:			
	Gill sample for P450:	$\mathbf{\nabla}$	Sample Code: Sample Code:		- CYP -	
	Spleen sample for P450:	(E) N				
	Kidney sample for P450:		Sample Code:		- CYP -	
	Heart sample for P450:		Sample Code:			<u> </u>
	Gonad sample for P450:	T	Sample Code:	01	- CYP -	7
	Muscle tissue sample for P450	/ 1	Sample Code:	01- 1/) - CYP - V	
	P450		Campie Code.			
		1 (1. (0	1-2		
	Comments	- gut tissue	topen for I	150		
		J	5. 			-
		Fatty Fissue				
		-101TH 1157 Mg				
\frown		ΛΟ	0	of Mr.	1	
()	Recorder	: thurldy	Date:	08,09,0		

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		Fish Collection/Dissection	Data Sheet	
		Collection		
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	10:00	Latitude: Longitude: Depth (m): Species: 0 Recorder:	NA L (retric Ciscis (AC) For
		Dissection	ta ang kanada katalah sa sa sa sa sa sa	
	Date: (Start Time: _ Finish Time: _ Standard Length (mm): _	78,07,01	Dissector: Recorder: Specimen Code: Weight (g)	56,62 Fei Ac 200
	External Abnormalities/Parasites:	NA	Comments:	
\bigcirc	Abnormalities/Parasites: Sex:	MJF17	Comments: Mature:	tugeworms VID
		Samples	(Year - Site - Rep	# -Analysis -Matrix -Sp. Code)
	Bile/Gall for FAC: Sample for	() N		01-LI4 83-FAC - T - AC
	Organics/Trace metals:	Q'IN	Sample Code:	01 PHC
	Liver sample for P450:	() N	Sample Code:	
	Gill sample for P450:	V.	Sample Code:	
	Spleen sample for P450:	Q/N Q/N	Sample Code:	al an
	Kidney sample for P450: Heart sample for P450:	Q'N Q'N	Sample Code: Sample Code:	
	Gonad sample for P450:	() IN	Sample Code:	
	Muscle tissue sample for P450:	(Y)IN	Sample Code:	
	Comments:	gut tissue		
		Stomman packed C .	shing mys	1.15
\bigcirc	Recorder:	- m. Dugh	L	08,07,01

	Fish Collection/Diss	ection Data Sheet	
Date Collected:	Collection ひちょったょう	Latitude:	NA
Time Collected:	0:00	Longitude:	
Station Code:		Depth (m):	, v
Method of Take:	Fyke net / Trawl / Hook &		Arctic asco (AC)
Period of Deployment: Alive when Caught: Comments:	(9/N	Recorder:	Far
	Dissection		
Date	15,07,01	Dissector:	JG , 6L
Start Time:		Recorder:	Fa
Finish Time:		Specimen Code:	AC
Standard Length (mm):		Weight (g)	
External Abnormalities/Parasites:		Comments:	
Internal Abnormalities/Parasites:	(100	Comments:	topenoms
Sex:	MyF/?	Mature:	Y/N
	Samples	(Year - Site - Rep	o # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	\sim	Sample Code:	01-LIY-SY-FAC-T-AC
Organics/Trace metals:	: 100/N	Sample Code:	01 PHC
Liver sample for P450:	: (%)/N	Sample Code:	01 CYP
Gill sample for P450:	: X9/N	Sample Code:	01 CYP
Spleen sample for P450:	X	Sample Code:	01 CYP
Kidney sample for P450:	: 0/N	Sample Code:	01 CYP
Heart sample for P450:		Sample Code:	
Gonad sample for P450	Y	Sample Code:	
Muscle tissue sample for P450	r a	Sample Code:	
Comments		taken fir	P4GD
	full Stomach	cinistacia amph	ipeds miferts
Recorder	m J.	Date:	04,07,01

F	ish Collection/Dissectio	n Data Sheet	
	Collection		
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments: _	$\frac{9810710}{10}$ $\frac{9810710}{10}$ $\frac{99107}{10}$ $\frac{99107}{10}$	Latitude: Longitude: Depth (m): Species: Recorder:	Aretic orsco (AC) For
-	Dissection		
Date: 0 Start Time: _ Finish Time: _ Standard Length (mm): _	19:07,9 19:02 19:11 245	Dissector: Recorder: Specimen Code: Weight (g)	JG GL F& AC 175
External Abnormalities/Parasites:	NA	Comments:	
Abnormalities/Parasites)_ Sex:	(WIF13	Comments:	fapeworm
Sex.			#-Analysis -Matrix -Sp. Code)
Bile/Gall for FAC:	Samples	Sample Code:	114 ~
Sample for Organics/Trace metals:	GIN	Sample Code:	01 PHC
Liver sample for P450:	(9) N	Sample Code:	
Gill sample for P450:	KUN	Sample Code:	01 CYP
Spleen sample for P450:	Ω N	Sample Code:	01 CYP
Kidney sample for P450:	ØIN	Sample Code:	01 CYP
Heart sample for P450:	0/N	Sample Code:	
Gonad sample for P450:	ØIN	Sample Code:	01 CYP
Muscle tissue sample for P450:	() IN	Sample Code:	01- V - CYP - +
Comments:	gut fissue try	en for pys	70
	0	٥	~
Recorder:	am 2n	Jh Date:	09,07,0

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		ish Collection/Dissection	on Data Sheet	
		Collection		
	Date Collected: Time Collected: Station Code: Method of Take: F Period of Deployment: Alive when Caught: Comments:		Latitude: Longitude: Depth (m): Species: Recorder:	NA Arafic cisco (AE) Feb
		Dissection		
	Date: U Start Time: I Finish Time: L Standard Length (mm):	8 1071 U1 9:11 9:18 257	Dissector: Recorder: Specimen Code: Weight (g)	AC
	Extemal Abnormalities/Parasites:	NA	Comments:	
\bigcirc	Internal Abnormalities/Parasites:	NA	Comments:	
	Sex:	(M) F 1 ?	Mature:	Y
		Samples		o # -Analysis -Matrix -Sp. Code)
	Bile/Gall for FAC: Sample for	() N	Sample Code:	01-LI4- 86-FAC - T - AC
	Organics/Trace metals:	(Y)IN	Sample Code:	01 PHC
	Liver sample for P450:	QIN	Sample Code:	
	Gill sample for P450:	M/N	Sample Code:	
	Spleen sample for P450:	10/N	Sample Code: Sample Code:	
	Kidney sample for P450: Heart sample for P450:	(D) N (D) N	Sample Code:	
	Gonad sample for P450:	ØIN .	Sample Code:	
	Muscle tissue sample for P450:	() N	Sample Code:	
	Comments:			
			ĵ	
	Recorder:	midn	Ch Date:	08,07,01
		1		

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	ish Collection/Dissection	n Data Sheet		
	Collection			
Date Collected:	18,02,01	Latitude:	NA	
Time Collected:	12.02	Longitude:	and the second se	
Station Code:		Depth (m):		140
Method of Take	Tyke net / Trawi / Hook & Line			3246(AC)
Period of Deployment:	08/02	Recorder:		and the
Alive when Caught:	(Y) N 107		- FOL	
Comments:	0			
-	Dissection			
	18.02.01		TO GL	#):
	18107101	Dissector:	700	
Start Time:		Recorder:	FUL	
Finish Time:	19:29	Specimen Code: Weight (g)	<u>AC</u>	_
Standard Length (mm):		vveight (g)	4 5	2
External Abnormalities/Parasites:	NA	Comments:		
Abriormanicos arabicos.		-		
internal	A/A_		\checkmark	
Abnormalities/Parasites:	IV A-	Comments:		
Sex:	(NIF1?	Mature:	Y 10	
	Samples	(Year - Site - Rep	#-Analysis -Matr	ix -Sp. Code)
Bile/Gall for FAC:	AVN	Sample Code:	01-L14-87-F	AC .T . A
Sample for	0		1 1	1 1
Organics/Trace metals:	QIN	Sample Code:	01 P	HC - -
Liver sample for P450:	WIN	Sample Code:	01 C	YP
Gill sample for P450:	QIN	Sample Code:	01C	YP
Spleen sample for P450:	ØIN	Sample Code:		YP
Kidney sample for P450:	ØIN	Sample Code:		YP
Heart sample for P450:	RIN	Sample Code:		YP
	BIN			
Gonad sample for P450: Muscle tissue sample for		Sample Code:	01	YP
P450:		Sample Code:	01- J- Vic	YP - V
Comments:	quit tassing to	be for P	4	
Comments.	- yu 10000 - 40		+2.2	
		0		
	h = 0	VA. Dur	18,07,01	
Recorder:				

	Collection		
Date Collected:	08,07,01	Latitude:	1/1
Time Collected:	10:00	Longitude:	and the second s
Station Code:	LIY	Depth (m):	and the second se
	Fyke net / Trave/ Hook & Line	Species:	
Period of Deployment:	08/07	Recorder:	Far
Alive when Caught: Comments:			5
	Dissection	an a	
	08,04,01		second
Date: Start Time:		_ Dissector: Recorder:	
Finish Time:		Specimen Code:	
Standard Length (mm):		Weight (g)	
External Abnormalities/Parasites:		Comments:	
Internal			
Abnormalities/Parasites:		_ Comments:	
Sex:	(M) / F / ?	Mature:	Y IO
	Samples	(Year - Site - Re	p # -Analysis -Matrix -Sp. Code
Bile/Gall for FAC:		Sample Code:	01- UY- 58- FAC - 7 - 1
Sample for Organics/Trace metals:	<i>I</i> 1	Sample Code:	01 PHC
Liver sample for P450:	/1	Sample Code:	and the second s
Gill sample for P450:	-	Sample Code:	And and a sub-
Spleen sample for P450:	2	Sample Code:	and the second sec
Kidney sample for P450:	<u> </u>	Sample Code:	
Heart sample for P450:	~	Sample Code:	
Gonad sample for P450:	71	Sample Code:	
Muscle tissue sample for	3	21 e3 244 34	
P450	(Y)N	Sample Code:	01
Comments	gut fissue	taken for P	450
	<u> </u>		

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\bigcirc				MMS/Animida	Summer 2001
		Fish Collection/Diss	ection Data Sheet		
<u>.</u>		Collection			
	Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	0:00	Latitude: Longitude: Depth (m): Line Species: Recorder:	NA Antic Coo Fel	<u>€</u> { <u>(</u> PK) <u>A</u> cp
	-	Dissection		an an an an an an Anna an Anna An an Anna an An	
	Date:(Start Time: Finish Time: Standard Length (mm):		Dissector: Recorder: Specimen Code: Weight (g)		
	External Abnormalities/Parasites:	NA	Comments:		
\bigcirc	Internal Abnormalities/Parasites:	NA	Comments:	<u> </u>	
	Sex:	(M) F1?	Mature:	YN	
		Samples	(Year - Site - Rej	o # -Analysis -Matrix	:-Sp. Code)
	Bile/Gall for FAC: Sample for	(Y) N	Sample Code:	01- 44- 89 - FA	<u>c-T-Ac</u> D
	Organics/Trace metals:	QIN	Sample Code:		
	Liver sample for P450:	(91N	Sample Code:		
	Gill sample for P450:	() N	Sample Code:	and the second s	
	Spleen sample for P450: Kidney sample for P450:	()/N ()/N	Sample Code: Sample Code:	the state of the s	
	Heart sample for P450:	IN N	Sample Code:		
	Gonad sample for P450:	()/N	Sample Code:		
	Muscle tissue sample for P450:	Ă	Sample Code:	01-V - V-CY	P-V-V
	Comments:	gut tissue	taken for p	150	
\bigcirc	Recorder:	Am Qu	J Date!	08,07,01	

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					na Persona di Santa da Santa Santa da Santa da Sant
	(1) A start of the second sec second second sec	Fish Collection/Disse	ction Data Sheet		
6490		Collection			
	Date Collected:	08,07,01	Latitude:	MA	
	Time Collected:		Longitude:	and the same of th	
	Station Code:	L14	Depth (m):		
		Fyke net / Travi / Hook & Li		artic cod	(10)
	Period of Deployment:	58/07	Recorder:	- Fa	•
	Alive when Caught: Comments:	(U/N			
	Comments.				
	-	Dissection			
	Date: ^C	1071 01	Dissector:	56 66	
	Start Time:		Recorder:		
	Finish Time:		Specimen Code:		ACD
	Standard Length (mm):	135	Weight (g)	21	
	External				
	Abnormalities/Parasites:	NA	Comments:	\sim	
	, anomianiosi , arabitos.				
\cap	Internal	1.10			
	Abnormalities/Parasites:	NA	Comments:		
	Sex:	M F/?	Mature:	YIN	
	a superior of the second second second	Samples	Moor Site De		Contraction of the second s
		Sallihiea		o # -Analysis -Matri	
	Bile/Gall for FAC:	(WIN	Sample Code	01-14-90-FA	C.T. ACD
	Sample for	0	cumpic could.		
	Organics/Trace metals:	Grin	Sample Code:	01-/ PH	
	Liver sample for P450:	(VIN	Sample Code:		
	Gill sample for P450:	10/N	Sample Code:	The second design of the secon	YP
	Spleen sample for P450:	∛9/N	Sample Code:		(P
	Kidney sample for P450:	ÎN	Sample Code:	and the second design of the s	(P
5	Heart sample for P450:	QT/N	Sample Code:		(P
	Gonad sample for P450:	M/N	Sample Code:		(P
	Muscle tissue sample for		cumple code.		
	P450:	Ø/N	Sample Code:	01- V - V-C	P-V-V
	Comments:	gut tissue	taken PYSD		
-					
\cap	Decorder	\overline{Q} \cap	g Deter	08,04 01	
\bigcap	Recorder:	2m Dug	Date:	081071 01	

	Collection				
Date Collected:	08107101	Latitude:	M		
Time Collected:	10:00	Longitude:			
Station Code:	L14	Depth (m):		Act	
	Fyke net / Trawn / Hook & Line		patic	COP	(Aef
Period of Deployment: Alive when Caught:	087 67 (9/N	Recorder	Fal	<u>ب</u>	
Comments:					
the second difference and second	Dissection				
Date:	081071 01	Dissector:	36,	GL AC	
Start Time: Finish Time:		Recorder:	Fa		-
		Specimen Code:		AC	D
Standard Length (mm):	14.5	Weight (g)		12	
External Abnormalities/Parasites:	. / 0 -	_ Comments:			
Internal	NA		_		
Abnormalities/Parasites:	<u> </u>	_ Comments:			
Sex:	(M) F 1 ?	Mature:	Y 🔊		
	Samples	(Year - Site - Re			
Bile/Gall for FAC:		Sample Code:	<u>01-U4</u>	91 - FAC	<u>.Ţ.</u>
Sample for Organics/Trace metals:		Sample Code:	01	- PHC	
Liver sample for P450:	2	Sample Code:		- CYP	
Gill sample for P450:		Sample Code:		- CYP	
Spleen sample for P450:	R	Sample Code:		- CYP	
Kidney sample for P450:	V	Sample Code:		- CYP	-1-
Heart sample for P450	(4)	Sample Code:		01/0	1.
Gonad sample for P450	¥	Sample Code:		- CYP	_
Muscle tissue sample for		Gumpio Gode.	<u> </u>	1	
P450		Sample Code:	: <u>01-</u> //-	V - CYP	<u>-V-</u>
Comments	gut taken t	N/ 8450	8.		
	J				

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Date Collected: Time Collected: Station Code:	10:00 10:00			Latitude: Longitude: Depth (m):	\rightarrow		an an a shi care an	2000-1962-1969-1948	J 7 000
Method of Take: Period of Deployment: Alive when Caught: Comments:		awi)/ Hook & Lin 01	<u>e</u> 	Species: 0 Recorder:		a	ord	(44)	2)
	Di:	asection			ann ca ca Marailte	l Locheg 64/02/3		ndan sun Statistica	
	81040			Dissector: Recorder:	50	<u>,</u>	61L	348 	
Start Time: Finish Time:	U:IT			Recorder: imen Code:	_ Fi	n		ACI	-
Standard Length (mm):		146	Opec	Weight (g)		·Z	5	HUI	_
External Abnormalities/Parasites:		NA		Comments:	,	_	_		
									-
Internal Abnormalities/Parasites:	/	NA		Comments:	-	_			_
Sex:	M/F/?			Mature:	Y / N	J			
	ul ant s	amples	(Yea	r - Site - Rep	100 C 940 C 9 PART 100 P		a come page and a start of a	The second second second second	
HM :Bile/Gall for FAC Sample for	QIN		Sa	mple Code:	01-4	4_9	2-FAC	<u>:T</u> .	
Organics/Trace metals:	(VIN		Sa	mple Code:	01-	-	- PHC		
Liver sample for P450:	XV N			mple Code:		-	- CYP		
Gill sample for P450:	M/N		Sa	mple Code:	01-	-	- CYP		
Spleen sample for P450:	N 1		Sa	mple Code:	01-	-	- CYP		
Kidney sample for P450:	WIN .			mple Code:		•	- CYP		
Heart sample for P450:	(M) N		Sa	mple Code:	01-	-	- CYP		_
Gonad sample for P450:	()IN		Sa	mple Code:	01-	•	- CYP	· -	_
Muscle tissue sample for P450:	(DIN		Sa	mple Code:	01-	1.	J-CYP	- V -	
Comments:		just fissi	ue-fark	er for	ſч	ĩÙ			
	•••••••								-

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	Fish Collection/Dissec	ion Data Sheet	
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	Collection $DS_1 (V_1, 0)$ $10: \sigma 0$ $L: \psi$ Evke net / Trave/ Hook & Lin 0S/07 (9) N	Latitude: <u>NA</u> Longitude: <u>J</u> Depth (m): <u>J</u> Species: <u>Ke p Sn q.l fl sh p</u> Recorder: <u>Fa</u>	(k 9
-	Dissection		
Start Time:	20:32	Dissector: J.G. &L Recorder: <u>Falu</u> Specimen Code: <u>K</u> Weight (g) <u>72</u>	S
External Abnormalities/Parasites:	MA	Comments:	
Internal Abnormalities/Parasites: Sex:	NA M/F/3	Comments:	
	Samples	(Year - Site - Rep # -Analysis -Matrix -Sp. (Code)
Bile/Gall for FAC: Sample for	() N	Sample Code: 01-L14-93-FAC - 7	- k
Organics/Trace metals:	Ø/N ·	Sample Code: 01 PHC -	•
Liver sample for P450:	ON N	Sample Code: 01 CYP -	-
Gill sample for P450:	Q/N	Sample Code: 01 CYP -	•
Spleen sample for P450:	(P) N	Sample Code: 01 CYP -	
Kidney sample for P450: Heart sample for P450:	N N	Sample Code: 01 CYP - Sample Code: 01 CYP -	-
Gonad sample for P450:	Ø/N	Sample Code: 01 CYP -	
Muscle tissue sample for P450:	Å	Sample Code: 01- 1/ - 1/- CYP -	ſ
Comments:	gut tissue	taken for P450	y
	A		

	Colle	ection							
Date Collected:	18,07,01			Latitude:	v	A			
Time Collected:				Longitude:					
Station Code:	L14 ~	1	_	Depth (m):			10		_
Method of Take:	yke net / Traw	/ Hook & Lin	e	Species:		1p	Sna. ltis	h(l)	Ľ
Period of Deployment: Alive when Caught: Comments: _		¥		Recorder:			Fa		
-	Diss	ection		and a state				GHACE CONST	調整
Date: 0	101,501 80			Dissector:	5	6			e.
Start Time:	Contraction of the local division of the loc					-a	~		
Finish Time:		13/5	Speci	men Code:				K,)
Standard Length (mm): _		100		Weight (g)		2	0	_	_
External		./.							
Abnormalities/Parasites:		NA		Comments:		\sim	<u>></u>		
Internal		NA							
Abnormalities/Parasites:		1014		Comments:					
Sex:	м (Ê) ?			Mature:	Y 1	Ŋ			
	San	nples	(Year	- Site - Re	o#-An	alysis	-Matrix -S	p. Cc	pde
Bile/Gall for FAC:	62 N		Sa	nple Code:	01- Ĺ	14_9	Y - FAC	.T.	-
Sample for	0				1		i	1	
Organics/Trace metals:	GIN			nple Code:		-	- PHC		-
Liver sample for P450:	Ø/N			mple Code:		-	- CYP	_	-
Gill sample for P450:	ØIN			mple Code:			- CYP		
Spleen sample for P450:	Ø/N Ø/N			mple Code:		-	- CYP	_	-
Kidney sample for P450: Heart sample for P450:	Ø/N			mple Code: mple Code:			- CYP		-
Gonad sample for P450:				nple Code: nple Code:			- CYP - CYP	_	
Muscle tissue sample for	Ø/N		Jai	npie 0008.			1-011	+	-
P450:	()) N		Sa	mple Code:	01-	<u> </u>	CYP	-W	-
Comments:	gut	fissue	taker	- for	Pu	151)		
	·								_

T. Contraction			
	Fish Collection/Di	ssection Data Sheet	
	Collection		
Date Collected:	18,07,01		NA
Time Collected:	A. OU	Latitude: Longitude:	the second s
Station Code:	L14 -	Depth (m):	the second se
	Fyke net / Trawi / Hool	k & Line Species:	Fourhoen Sculpin
Period of Deployment:	08/07	Recorder:	- Fei 1
Alive when Caught: Comments:	(WIN '		21
- 	Dissection		an in the second se
	derethionerholder unter eine eine deren Krimpeleren im der eine Strate	an a	16
	08,07,01	Dissector:	Jn Fe-
Start Time: Finish Time:	20: 42	Specimen Code:	
Standard Length (mm):		Weight (g)	
External Abnormalities/Parasites:	NA	Comments:	
Abiomantesi alastes.	·····		
Internal Abnormalities/Parasites:	NA	Comments:	
Sex:	M (F) ?	Mature:	Y(N)
	Samples	(Year - Site - Rep	o # -Analysis -Matrix -Sp.
Bile/Gall for FAC:	MIN	Sample Code:	01-44-45-FAC -1
Sample for		Sample Code.	1 1
Organics/Trace metals:		Sample Code:	01) - PHC -
Liver sample for P450:	Ø/N	Sample Code:	01 CYP -
Gill sample for P450:	~	Sample Code:	01 CYP -
Spleen sample for P450:	() N	Sample Code:	and the second data was a second data w
Kidney sample for P450:	QIN	Sample Code:	
Heart sample for P450:	MIN	Sample Code:	
Gonad sample for P450:	(6) N	Sample Code:	01 CYP -
Muscle tissue sample for P450:	^ /	Sample Code:	01- / - V-CYP -
Commente	9,1	tescup taken for	(PHD
Comments:	Jui	1 (JY4E 1 Then 10	
	Λ	0 0	08,07, 01
Recorder:		N Data:	· · / / / /

Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:		Latitude: <u>VA</u> Longitude: <u>Depth</u> (m): <u>Species: Furburn Scalpin (F5)</u> Recorder: <u>FCC</u>
Date: Start Time: Finish Time: Standard Length (mm):	Dissection 08,07,01 20:48 20:59 180	Dissector: Recorder: Specimen Code: Weight (g)
External Abnormalities/Parasites:	NA	Comments:
Internal Abnormalities/Parasites:	NA	Comments:
Sex:	м (ј) ?	Mature: Y /N
	Samples	(Year - Site - Rep # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450:	V N V N V N V N V N V N V N V N V N V N	Sample Code: 01- - - PHC - - Sample Code: 01- - - PHC - - Sample Code: 01- - - CYP - - Sample Code: 01- - CYP - -
P450: Comments:	\bigcirc	Sample Code: 01-1/-V-CYP-J-V
Recorder:	hun Quyh	\sim Date: $\frac{08}{09}, \frac{09}{0}$

and a start for the start of the start	Collection	an a	an a
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught:	$\frac{76:00}{\beta PS}$ Fyke net / (Trawd) Hook & Line $\frac{08/10 - S/10}{10}$	Latitude: _ Longitude: _ Depth (m): _ Species: _ Recorder: _	70° 10' 14.2" N 146° 53 '38.6' U 1 m A, JZ (2500 (AC)
Comments:	0		
	Dissection	Harrison - Colona de	The first state of the second state of the sec
Date:	0811101	Dissector:	JG GC MM
Finish Time:	20:00	Recorder: Specimen Code:	Kec Ar
Standard Length (mm):		Weight (g)	2,00
Estemal			
External Abnormalities/Parasites:	A	Comments:	
Internal		_	
Abnormalities/Parasites:	A 112	Comments:	
Sex:	M/F/?	Mature:	Y/N
	Samples	🤍 (Year - Site - Rep.	# -Analysis -Matrix -Sp. Code) :
Bile/Gall for FAC:	GIN	Sample Code:	01-45.97-FAC-T - A
Sample for Organics/Trace metals:		Sample Code:	
Liver sample for P450:	(Y)/ N	Sample Code: _	
Starbeiter bei eine starbeiter auf die Bergener	<u> Y</u>	Sample Code: _	
Gill sample for P450:		250 and	
Spleen sample for P450: Kidney sample for P450:	(O) N ATV N	Sample Code: Sample Code:	the second se
Heart sample for P450:	V.		
Gonad sample for P450:	AL N	Sample Code: _ Sample Code:	
Muscle tissue sample for		Sample Code: _	01 CYP
P450:		Sample Code:	01 CYP
Comments:	ght tissue take	m for P450	
	<u></u>		
	0		08,11,01

	Fish Collection/Dissection	Data Sheet	
	Collection	a a a sugara da a sugara da su	n an
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	16:00 BPS Fyke pet / Trawl / Hook & Line 08/10 - 08/11	Latitude: Longitude: Depth (m): Species: Recorder:	
	Dissection		
Date: Start Time: Finish Time: Standard Length (mm):	20:20	Dissector: Recorder: Specimen Code: Weight (g)	JG GL Fan Ac 225
External Abnormalities/Parasites:	- MAX	Comments:	_
Internal Abnormalities/Parasites:	Me	Comments:	Tapeworms
Sex:	(M)/F/?	Mature:	
	Samples		# -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	62/ N	Sample Code:	01- BB- G8- FAC - T - AC
Organics/Trace metals:	0	Sample Code:	
Liver sample for P450:	0	Sample Code:	and the second descent of the second descent of the second descent of the second descent of the second descent
Gill sample for P450:		Sample Code:	
Spleen sample for P450:	(Ŷ/N	Sample Code:	and the second data in the second data is a second data and the second data and
Kidney sample for P450:	Q'IN	Sample Code:	
Heart sample for P450:	() / N	Sample Code:	
Gonad sample for P450: Muscle tissue sample for		Sample Code:	01 CYP
P450:	•	Sample Code:	01- V V-CYP-V-V
Comments:	ajuit tossue	upu for	f 450
			·······
Recorder:	Jun John	Date:	08,11,01

	Fish Collection/Dissection	n Data Sheet	
	Collection		
Date Collected:		Latitude:	to 10 19.2 p
Time Collected: Station Code:	BPS BPS	Longitude: Depth (m):	1460 531 38.0" N
	Fyke pet / Trawl / Hook & Line		Antic Cisco (A4
Period of Deployment:	08/10 -08/11	Recorder:	
Alive when Caught: Comments:	Ø/N'		
	Dissection		
Date	08111101	Dissector:	JUGGL
Start Time:		Recorder:	per
Finish Time:		Specimen Code:	Ac
Standard Length (mm):	267	Weight (g)	175
External			
Abnormalities/Parasites:	NA	Comments:	
Internal	110-		
Abnormalities/Parasites:	107	Comments:	
Sex:	(M) F/7	Mature:	ØIN
	Samples	(Year - Site - Rep	# -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	(Y)IN	Sample Code:	01- 6P5-99-FAC.T. AC
Organics/Trace metals:	MAN	Sample Code:	01 PHC
Liver sample for P450:	QUN	Sample Code:	
Gill sample for P450:	(VAN)	Sample Code:	
Spleen sample for P450:	AIN	Sample Code:	
Kidney sample for P450:	(DN	Sample Code:	
Heart sample for P450:	TOIN	Sample Code:	
Gonad sample for P450:	R UN	Sample Code:	
Muscle tissue sample for	Ň		
P450:	Q/N	Sample Code:	01- 1+ CYP - 1
Comments:	gut lissue	taken	for PYSO
2	1 0 0		
Recorder:	from I for	Date:	08,11,01
(ii) Science and Child (24) (42).			

and the second se	Fish Collection/Dissection	n Data Sheet			endingen an en en en en an en en en en en en en en en en en en en en en en en en El en en en	in an
	Collection	erend here of a second second second sec and a second				
Date Collected:	08,11,01	Latitude:	20°	10'	14.2	"~
Time Collected:	1(0:00	Longitude:	146 "	53.	38.0	> " 0
Station Code:	BPS	Depth (m):	1.0			
	Fyke net / Trawl / Hook & Line	Species:	pretic	cisco) (A	9
Period of Deployment:		Recorder:	Fa	-		
Alive when Caught: Comments:						
National Contraction (1995)	Dissection					
Date:(8,11,01	Dissector:	JG (FL		
Start Time:		Recorder:	Ed			
Finish Time:		Specimen Code:	Ac			
Standard Length (mm):		Weight (g)	2	00		
External Abnormalities/Parasites:	NA	Comments:	<u>ب</u>	5		
Internal Abnormalities/Parasites:	NA	Comments:				
Sex:	Ø1F17	Mature:	YN	×		
	Samples	(Year - Site - Rep	# -Analysi	s -Matrix -S	Sp. Cod	e) 199
Bile/Gall for FAC: Sample for	ØIN	Sample Code:	01- BPS-1	DU FAC	<u>.Ţ.</u>	AC
Organics/Trace metals:	QUN	Sample Code:	01	- PHC	- 1 -	Ì
Liver sample for P450:	(M/N	Sample Code:		- CYP	_	1
Gill sample for P450:	RIN	Sample Code:		- CYP		1
Spleen sample for P450:	ØIN	Sample Code:		- CYP		1
Kidney sample for P450:	QIN	Sample Code:		- CYP		1
Heart sample for P450:	Q IN	Sample Code:		- CYP		1
Gonad sample for P450:	AT IN	Sample Code:		- CYP		1
Auscle tissue sample for	(P/N	•			1	1
P450:	1-1	Sample Code:		CYP	\$~~~~	2
Comments:	gut fissue	taken to	r 19	50		
		,			•••••	
Recorder:	0.00	1.	28, 14,0	11		

	Fish Collection/Dissection	Data Sheet	
	Collection	al ya ar y fal a may ar ya ya ay ya	a a se a companya a com A companya a
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	16:00 BIS PARE-TOOL / Trawl / Hook & Line 08/10 - 08/11 ØN	Latitude: Longitude: Depth (m): Species: Recorder:	
	Dissection		
		Dissector: Recorder: Specimen Code: Weight (g)	fic Ac
External Abnormalities/Parasites:		Comments:	
Internal Abnormalities/Parasites: Sex:		Comments: Mature:	¥/N
	Samalos		
Bile/Gall for FAC: Sample for	(N) N		01-1312 /01 FAC - T- AC
Organics/Trace metals:		Sample Code:	01
Liver sample for P450:	S/IN	Sample Code:	01 CYP
Gill sample for P450:	QIN	Sample Code:	01 CYP
Spleen sample for P450:	61/N	Sample Code:	01 CYP
Kidney sample for P450:	M/N	Sample Code:	
Heart sample for P450:	Y'N	Sample Code:	
Gonad sample for P450: Muscle tissue sample for	1 N	Sample Code:	01 CYP
P450:		Sample Code:	01- 1/ UCYP - 12
Comments:	gut tussue to	inken for	P450
Recorder:	mazlu	Date: ²	58,11,01

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	Fish Collection/Dissectio	on Data Sheet
Date Collected Time Collected Station Code Method of Take Period of Deployment Alive when Caught Comments	16:00 D-BE BPS Fyte and / Trawl / Hook & Line 8/10 - 8/11	Latitude: $\frac{70^{\circ}}{0^{\circ}} \frac{10^{\circ}}{14.2^{\circ}} \frac{10^{\circ}}{14.2^{\circ$
	Dissection	
Date: / Start Time: / Finish Time: / Standard Length (mm):		Dissector: JG-GL Recorder: FUN Specimen Code: AC Weight (g) 200
External Abnormalities/Parasites:	NA	Comments:
Internal Abnormalities/Parasites: Sex:	N/4	Comments: Mature: Y/N
	Samples	(Year - Site - Rep # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	ØIN	Sample Code: 01- BP3_102_FAC - T - 1
Organics/Trace metals:	() IN	Sample Code: 01
Liver sample for P450:	GY/N	Sample Code: 01 CYP
Gill sample for P450:	Q/N	Sample Code: 01 CYP
Spleen sample for P450:	(Y/N	Sample Code: 01 CYP
Kidney sample for P450:	Ω/N	Sample Code: 01 CYP
Heart sample for P450:	(M) N	Sample Code: 01 CYP
Gonad sample for P450: Muscle tissue sample for	GIN	Sample Code: 01 CYP
P450:	ØIN	Sample Code: 01- 1- CYP
Comments:	gut tissue -	Filer fox 8450
-	-	
Recorder:	Ann Inl	$Date: \frac{\partial \mathcal{E}_{I}^{\mu}}{\partial I} = 0$

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Collection Date Collected: 08 / 11 / 0 1 Time Collected: 16 : 00 Station Code: B85	Latitude: 10°10'14.2" N Longitude: 146 53 38.0 " ho
Method of Take: Ryke net / Trawl / Hook Period of Deployment: Alive when Caught: Comments:	$\frac{\& \text{Line}}{\$/11} \qquad \begin{array}{c} \text{Depth (m):} & 1, 0 \\ \hline \& \text{Line} \\ \text{Species:} avcfie Cisc (f-4) \\ \hline Recorder: & f-2 \\ \hline f-2 \\ \hline \end{array}$
Dissection Date: $\frac{C8}{1/1}$ $\frac{101}{5}$ Start Time: $\frac{70}{20}$: $\frac{48}{51}$ Finish Time: $\frac{70}{20}$: $\frac{51}{51}$ Standard Length (mm): $\frac{3.73}{51}$	Dissector: $JU-GL$ Recorder: $IU-GL$ Specimen Code: AC Weight (g) $17-5$
External Abnormalities/Parasites: <u>MA</u> Internal Abnormalities/Parasites: Sex: M/F/?	Comments:
Bile/Gall for FAC: (Ŷ/ N	(Year - Site - Rep # -Analysis -Matrix -Sp. Code) BPS Sample Code: 01-PB [*] - 103- FAC - T - AC
Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: V/ N Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450: Muscle tissue sample for P450: V/ N	Sample Code: 01- - PHC - - Sample Code: 01- - CYP - -
Recorder: Juttish	Le taken for fy50 Date: 081 11, 01

	Fish Collection/Dissectio	n Data Sheet	
	Collection	ana atao mangana ang kanang manganang ka	an a
Date Collected: Time Collected: Station Code:	08,11,01 16:00 BPS	Latitude: Longitude: Depth (m):	40° 10' 14.2" N 146° 53' 38.0 " 1.0
Method of Take: Period of Deployment: Alive when Caught: Comments:	Ryke'net / Trawl / Hook & Line 	Species: Recorder:	Aratic (isro) (AL) Ean
n	Dissection		
	08,11,01	Dissector:	JG GL
Start Time:		Recorder:	FQ
Finish Time:	20:55	Specimen Code:	AC 200
Standard Length (mm):	(1) BET 217	Weight (g)	200
External Abnormalities/Parasites:	NA-	Comments:	
Internal Abnormalities/Parasites:	NA	Comments:	
Sex:	MIF1?	Mature:	Y IN
	Samples	(Year - Site - Rep	p # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	QIN	Sample Code:	01- BPS 104- FAC - T- A
Organics/Trace metals:		Sample Code:	01 PHC)
Liver sample for P450:	OTIN	Sample Code:	01 CYP
Gill sample for P450:	(M) N	Sample Code:	01 CYP
Spleen sample for P450:	Ω(/N	Sample Code:	01 CYP
Kidney sample for P450:	Ø/N	Sample Code:	01 CYP
Heart sample for P450:	(Y)N	Sample Code:	01 CYP
Gonad sample for P450:		Sample Code:	01 CYP
Muscle tissue sample for P450:		Sample Code:	01- V- JECYP- JEV
Comments:	gut tissue	taker fo	- PYSD
Recorder:	Jun Dalu	O Date:	08, 11,07

	Fish Collection/Dissectio	n Data Sheet	
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:		Latitude: Longitude: Depth (m): Species: Recorder:	
Start Time: Finish Time: Standard Length (mm):	20:45 59	Dissector: Recorder: Specimen Code: Weight (g)	56,60 FQ Ac 200
External Abnormalities/Parasites: Internal	NA	Comments:	
Abnormalities/Parasites: Sex:	~	Comments: Mature:	ΥØ
Bile/Gall for FAC: Sample for	Samples	(Year - Site - Rep Sample Code:	# -Analysis -Matrix -Sp. Code) 01-BPS / P - FAC - T - AC
Organics/Trace metals:		Sample Code:	01 PHC
Liver sample for P450:	Q / N	Sample Code:	01 CYP
Gill sample for P450:	07/N	Sample Code:	01 CYP
Spleen sample for P450:	Ø/N	Sample Code:	01 CYP
Kidney sample for P450:		Sample Code:	01 CYP
Heart sample for P450:		Sample Code:	
Gonad sample for P450: Muscle tissue sample for P450:	Č	Sample Code:	
Comments:	gut fisme	taken for	P45D
Recorder:	Jun-Dy	In Dates	ל, וו, טו

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	Fish Collection/Dissection	n Data Sheet
	Collection	
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	16:00 P315 Evkenet / Trawl / Hook & Line 08/10 - 08/11	Latitude: 70° 10' 1422"N Longitude: 146° 53: 38:0 "W Depth (m): Species: <u>Pully Varden</u> (DV) Recorder: Fe
	Dissection	
Date: Start Time: Finish Time: Standard Length (mm):	21:04	Dissector: $\bigcirc \bigcirc \bigcirc$
External Abnormalities/Parasites:	1.4	Comments:
Internal Abnormalities/Parasites:	Ĭ	Comments: Topeworn S
Sex:	м (€) ?	Mature: Y /
an an an ann an 1990 <mark>- ann an 1990 - ann an 1990 - an 1</mark> 1997 - Anna an A	Samples	(Year - Site - Rep # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	ØIN	Sample Code: 01 10 - FAC - T - DI
Organics/Trace metals:	<u>^</u>	Sample Code: 01 , - PHC - (- ,
Liver sample for P450:		Sample Code: 01 CYP
Gill sample for P450:	0	Sample Code: 01 CYP
Spleen sample for P450:	Å Ø / N	Sample Code: 01 CYP
Kidney sample for P450:	67/N	Sample Code: 01 CYP
Heart sample for P450:	Ø₽/N	Sample Code: 01 CYP
Gonad sample for P450:	ØIN	Sample Code: 01 CYP
Muscle tissue sample for P450:	•	Sample Code: 01- V - U - CYP - U -
Comments:	gut faten-fir	ftso
Recorder:	handph	Date: 08 111 01

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and a second sec	Fish Collection/Dissection	Data Sheet
	Collection	
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	$\frac{16:00}{BB}$ FykeDet / Trawl / Hook & Line $\frac{08}{10} - \frac{081}{1}$	Latitude: $\frac{70^{\circ}}{10^{\circ}} \frac{10^{\circ}}{14}, \frac{25^{\circ}}{25} \frac{N}{38,0^{\circ}}$ Longitude: $\frac{146^{\circ}}{53}, \frac{38,0^{\circ}}{38,0^{\circ}}$ Depth (m): $\frac{1.0}{1.0}$ Species: $\frac{10}{100} \frac{10^{\circ}}{100} \frac{10^{\circ}}{100}$ Recorder: $\frac{10^{\circ}}{100} \frac{10^{\circ}}{100} \frac{10^{\circ}}{100$
	Dissection	
Date: Start Time: Finish Time: Standard Length (mm):		Dissector: JG, GL Recorder: Fa Specimen Code: pV Weight (g) 2.2.5
External Abnormalities/Parasites:	NA	Comments:
Internal Abnormalities/Parasites:	N MAG	Comments:
Sex:	MIF)?	Mature: Y N
Bile/Gall for FAC:	Sâmples (Ŷ)/ N	(Year - Site - Rep.# - Analysis - Matrix - Sp. Code) Sample Code: 01- $\frac{BPS}{107}$ - FAC - 7 - PV
Sample for Organics/Trace metals:	02/N	Sample Code: 01
Liver sample for P450:	(V/N	Sample Code: 01 CYP
Gill sample for P450:	(XIN (VIN	Sample Code: 01 CYP
Spleen sample for P450: Kidney sample for P450:	Ø IN	Sample Code: 01 CYP Sample Code: 01 CYP
Heart sample for P450:	MIN	Sample Code: 01 CYP
Gonad sample for P450:	Ø/N	Sample Code: 01 CYP
Muscle tissue sample for P450:		Sample Code: 01- V - V- CYP - V-
Comments:	gut lissue to	ten for 1450
Recorder:	Im Zylu	Date: 08111101

a de la companya de l La companya de la comp	Fish Collection/Dissectio	n Data Sheet	
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	Collection $\partial S_{1}(l_{1}, \cup l_{1})$ G : OO B P S File pet / Trawl / Hook & Line $OS l_{0} - OS / 11$ O / N	Latitude: $\frac{10^{\circ} 10^{\circ} 14.2}{10^{\circ} 53^{\circ} 3}$ Longitude: $14^{\circ} 53^{\circ} 3$ Depth (m): 1.0 Species: Four horn Source Recorder: $\frac{100}{100}$	_"μ 8:0 :' W Μ (FS)
The construction of the second	Dissection		
Date: Start Time: Finish Time: Standard Length (mm):		Dissector: J.G., G.L. Recorder: Fcc. Specimen Code: Weight (g) 66	FS
External Abnormalities/Parasites:	NA	Comments:	
Internal Abnormalities/Parasites:	NF	Comments:	
Sex:	M(F) ?	Mature: 🕢 N	
Bile/Gall for FAC:	Samples	Sample Code: <u>01-^{8PS}-108</u> -FAC	
Sample for Organics/Trace metals:	()/N	Sample Code: 01- - / - PHO	c
Liver sample for P450:	ONN	Sample Code: 01 CYI	P
Gill sample for P450:	QIN	Sample Code: 01 CYI	P
Spleen sample for P450:	(VIN	Sample Code: 01 CYI	P
Kidney sample for P450:	Q'N	Sample Code: 01 CYI	P
Heart sample for P450:	QIN	Sample Code: 01 CYI	P
Gonad sample for P450:	© AN	Sample Code: 01 CYI	P- -
Muscle tissue sample for P450:	(V) N	Sample Code: 01	· 7. 9
Comments:	gut fissure	taken	
	gohads phally	red-unusual usually	yllo
2 y .	1 0 1	\mathcal{L} Date: $\mathcal{O}_{1}^{(1)} \mathcal{O}_{1}^{(1)}$	

		en an	MMS/Animida Summer 2001
	Fish Collection/Disse	ction Data Sheet	
	Collection		a an
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	6 : 00 B P.5 Fx@oet/Trawl/Hook&L 08 10 - 08		70° 10' 14.2" N 146° 52' 38.0 " 1.0 Furthern Scylpan (B) Fels
	Dissection		augusta an
Date: (Start Time: Finish Time: Standard Length (mm):	and the second se	Dissector: Recorder: Specimen Code: Weight (g)	J6,64 Fal 53
External Abnormalities/Parasites:	24	Comments:	
Internal Abnormalities/Parasites:	NA	Comments:	
Sex:	M 1 =) ?	Mature:	()/N
	Samples	(Year - Site - Re	p#-Analysis-Matrix-Sp. Code)
Bile/Gall for FAC: Sample for	()) N	Sample Code:	01-645-109-FAC - T- F-
Organics/Trace metals:	QIN	Sample Code:	the second se
Liver sample for P450:	Ø/N	Sample Code:	
Gill sample for P450: Spleen sample for P450:	() N N	Sample Code: Sample Code:	
Kidney sample for P450:	QIN	Sample Code:	
Heart sample for P450:	NIN	Sample Code:	Manager and an and a second seco
Gonad sample for P450:	20/ N	Sample Code:	
Muscle tissue sample for P450:	ĝγ/N	Sample Code:	01 CYP
Comments:	gut fissue	taken for	P450
-	Ned gourds	2	
	<u> </u>	<u>л</u>	08,11,01

	in construction of the second seco	алын алын арыл арыл арыл арыл арыл арыл арыл арыл			nimida Sum	
	Fish Collection/I	Dissection Dat	a Sheet			
Time Collected: Station Code:	08, 11, 01 10:00 BPS Robert / Trawl / Ho 08/10 - 0	n bok & Line ⊴8/µ	Latitude: Longitude: Depth (m): Species: Recorder:	1.0	0' 14.2 53' 38 Scylpin	"N 7:0 " (FS)
- Date: Start Time: Finish Time:	21:25	Spe	Dissector: Recorder: ccimen Code:		GL F.	5
Standard Length (mm): External Abnormalities/Parasites:	2 10 N	5 A	Weight (g)		125	
Abnormalities/Parasites: Sex:	M IF) 3)4	Comments:	(Y)/ N	-	
a a a a a gara a statu a ta a a a a a a a a a a a a a a a	Samples	and when the second state of the second state	ar - Site - Rep ample Code:) # -Analysis		Code) 7 F
Bile/Gall for FAC: Sample for Organics/Trace metals: Liver sample for P450: Gill sample for P450: Spleen sample for P450: Kidney sample for P450: Heart sample for P450: Gonad sample for P450:	(V)N (V)N (V)N (V)N (V)N (V)N (V)N (V)N	S S S S S S S	ample Code: ample Code: ample Code: ample Code: ample Code: ample Code: ample Code: ample Code:	01- - 01- - 01- - 01- - 01- - 01- - 01- - 01- - 01- - 01- -	- FAC - - PHC - - CYP - - CYP - - CYP - - CYP - - CYP - - CYP -	-
Muscle tissue sample for P450: Comments:	Qui tissue Just tissue	s farken fi	Sample Code:	01- 1/-	CYP -	l- J
Recorder:	Jan C	L Iu	Date	08,11, 0	21	

			MMS/Animida Summer 200
	Fish Collection/Dissectio	on Data Sheet	
Date Collected Time Collected Station Code Method of Take Period of Deployment Alive when Caught Comments		Latitude: Longitude: Depth (m): Species:(Recorder:	70° /0' 14.2" N 146° 53' 38.0" 1-0 Fourhourn Sulpon (FS) Far
Date: (Start Time: Finish Time: Standard Length (mm):		Dissector: Recorder: Specimen Code: Weight (g)	TG GL Falu FS 65
External Abnormalities/Parasites:	NA	Comments:	
Internal Abnormalities/Parasites: Sex:	NA M()?	Comments:	QIN ?
Bile/Gall for FAC:	Samples	(Year - Site - Rep # Sample Code: _0	#-Analysis -Matrix-Sp. Code) 01- ^{BPS} - I (! - _{FAC} - <i>T</i> - 「F
Sample for Organics/Trace metals:	ŵin	Sample Code: _0	
Liver sample for P450:	671N	Sample Code: 0	01 CYP
Gill sample for P450:	07/N	Sample Code: 0	01 CYP
Spleen sample for P450:	OVIN	Sample Code: 0	01 CYP
Kidney sample for P450:	01 N	Sample Code: 0)1 CYP
Heart sample for P450:	60/ N	Sample Code: 0	and the second sec
Gonad sample for P450:	OU N	Sample Code: 0	01 CYP
Muscle tissue sample for P 4 50:	QIN	Sample Code: 0	01- J- J- CYP - J- J
Comments:	- gut tissme	takan for	× 1950
		•	
-	orange filer b	an ovaries	<u>[</u>

\frown			MMS/Animida Summer 2001
	Fish Collection/Dissection	on Data Sheet	
	Collection	an a	na na mananana ana ana ana amin'ny soratra amin'ny soratra dia mampiasa amin'ny soratra amin'ny soratra amin'ny Ny faritr'oratra dia mampiasa amin'ny tanàna mandritry amin'ny tanàna mandritry amin'ny tanàna mandritry amin'ny
Date Collected. Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	$\frac{16:50}{685}$ Fake plet / Trawl / Hook & Line 081(0 - 081)	Latitude: Longitude: Depth (m): Species:	146° 531 38.00 V 1.0 Fourhorn Sculpin (FS)
	Dissection		
		Dissector: Recorder: Specimen Code: Weight (g)	FAL
External Abnormalities/Parasites:	A . A	_ Comments:	
Internal Abnormalities/Parasites:		Comments:	
Sex:	M(F)?	Mature:	QIN :
مى يەرىپىلەر يېرىيىلەر يېرىيىلەر يېرىيىلەر يېرىيىلەر يېرىيىلەر يېرىيىلەر يېرىيىلەر يېرىيىلەر يېرىيىلەر يېرىيىل يېرىيىلى يېرىيىلى يېرى	Samples	(Year - Site - Re	p # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	(VIN	Sample Code:	01-BPS_112-FAC-T- FS
Organics/Trace metals:		Sample Code:	and the second
Liver sample for P450:		Sample Code:	
Gill sample for P450:		Sample Code:	
Spleen sample for P450: Kidney sample for P450:		Sample Code: Sample Code:	
Heart sample for P450:		Sample Code:	
Gonad sample for P450:	2	Sample Code:	
Muscle tissue sample for P450:		Sample Code:	
Comments:	gut -liseve tal half ned tint to	jonad.	0
		<u>·</u>	
Recorder:	Jund	Un Date:	cs, i1, 0)

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	Fish Collection/Dissectio	n Data Sheet	
	Collection	an a shara a s	n an
Date Collected: 4	18,11,01	Latitude:	70 " 10, 14, 2" N
Time Collected:		Longitude:	1460 53 28" 4
Station Code:	BRS	Depth (m):	1.0
	kenet / Trawl / Hook & Line	Species:	Fourhom Sulpy (F3)
Period of Deployment: _ Alive when Caught: Comments: _	08/10 - 08/11 (DIN	Recorder	FEL-
	Dissection		
Date: C	8111,01	Dissector:	JG. GL
Start Time:		Recorder:	File
Finish Time:		Specimen Code:	FS
Standard Length (mm): _	/82	Weight (g)	59
External Abnormalities/Parasites:	NA	Comments:	<u> </u>
Internal Abnormalities/Parasites:	NA-	Comments:	\smile
Sex:	M(F)?	Mature:	<i>O</i> /N
	Samples	(Year - Site - Rep	p # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	() N	Sample Code:	01- BPS- 13- FAC - T- F
Organics/Trace metals:	(V/IN	Sample Code:	01 PHC
Liver sample for P450:	N ICO	Sample Code:	01 CYP
Gill sample for P450:	ØIN	Sample Code:	01 CYP
Spleen sample for P450:	00/ N	Sample Code:	01 CYP
Kidney sample for P450:	(M) N	Sample Code:	
Heart sample for P450:	QIN	Sample Code:	
Gonad sample for P450:	Q/N	Sample Code:	01 CYP
Muscle tissue sample for P450:	Q1N	Sample Code:	01- V - CYP - V-
Comments:	gut lissue f	alenfor M	150
-	gonads "redd	ish "	
-			en an Maria ann an an Anna a' Anna Anna Anna an Anna a
- Recorder:	Jum Zul	Date:	ab,11,01

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	Fish Collection/I	Dissection	Data Sheet	
	Collection	P	l	
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	08, 11, 0) 16:00 [5P5 FyRepet / Frawl / Ho 08/10 - 0/N	ok & Line	Latitude: Longitude: Depth (m): Species: (Recorder:	
	Dissection	1		74. 61
			Dissector: Recorder:	50,00
	21:42		Specimen Code:	F:
Standard Length (mm):		<u> </u>	Weight (g)	
External Abnormalities/Parasites:	\sim	4	Comments:	-
Internal				
Abnormalities/Parasites:		NA	Comments:	
Sex:	м <i>і</i> (Е) і ?		Mature:	Ø N
	Samples		(Year - Site - Rep) #-Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	(Y) N		Sample Code:	01114-FAC-T- F
Organics/Trace metals:	(P)IN		Sample Code:	01 PHC
Liver sample for P450:	0/ N		Sample Code:	01 CYP
Gill sample for P450:	0/IN		Sample Code:	01 CYP
Spleen sample for P450:	ØIN		Sample Code:	
Kidney sample for P450:	GIN		Sample Code:	
Heart sample for P450:	QIN		Sample Code:	
Gonad sample for P450:	6/IN		Sample Code:	01 CYP
Muscle tissue sample for P450:			Sample Code:	01-V - V-CYP - V
Comments:	gut tism	e taka	for Byst	D
	red ana			
	0 0	0 0		08,14,01
Recorder:	- 10	1. 1.	Date:	

			MMS	5/Animida Su	mmer	200
	Fish Collection/Dissed	ction Data Sheet				
Time Collected: Station Code:	Fyke net (Traw)/ Hook & Li	Longitude: Depth (m):	sees L Act	ation lo PC 6 Ic Cod	"g - (A=	D)
	Dissection			an a	1917 (1474) (*******	स्टब्स् २०११ विष
Date:	8,11,01	Dissector:	28	36,G	L	
	21:45 50	Recorder:	For			
Finish Time:	Construction of the local division of the lo	Specimen Code:	24		CD	i en el composition de la comp
Standard Length (mm):	·····	Weight (g)		3		
External Abnormalities/Parasites:	A 10-	Comments:				
Internal Abnormalities/Parasites:	A / //	Comments:				
Sex:	(M)I F 11	Mature:	۲Ю			
	Samples	(Year - Site - Re	o # - Analy	sis -Matrix -Sp). Cod	e)
	-)		15 00	-115	-	۸
Bile/Gall for FAC:	U	Sample Code:	01-	115- FAC -	1 -	A
Sample for Organics/Trace metals:		Sample Code:	01-	PHC -		
Liver sample for P450:	21	Sample Code:		- CYP -	_	\neg
Gill sample for P450:	71	Sample Code:		CYP -	_	1
Spleen sample for P450:		Sample Code:		CYP -		
Kidney sample for P450:		Sample Code:	01-	CYP -	· -	
Heart sample for P450:		Sample Code:	01-	CYP -		
Gonad sample for P450:		Sample Code:	01-	CYP -	· -	_
Muscle tissue sample for P450:	N	Sample Code:	01-	- ;/-CYP -	V	V
Comments:	gut tissue -	taken for Pr	150	1		
Recorder:	1_0	0	08, ú,	UI		

MMS/Animida Summer 2001 Fish Collection/Dissection Data Sheet Collection 8,11,0 Date Collected: Latitude: Time Collected: Longitude: Depth (m): Station Code: 415 cod Method of Take: Fyke net / Trawi / Hook & Line Species: and Period of Deployment: Recorder: Alive when Caught: Comments: Dissection A SHARE PRODUCED TO SHEEP AND THE PARTY OF Date: 08, 10, 0 Dissector. Start Time: 7/1: Recorder: Finish Time: 24: Specimen Code: AiD 130 Weight (g) Standard Length (mm): External NA Comments: Abnormalities/Parasites: Internal NA Abnormalities/Parasites: Comments M /)F / ? Mature: Y/N Sex: Samples rear - Site - Rep # -Analysis -Matrix -Sp. Code) 116-FAC - T-ACD Sample Code: 01-Bile/Gall for FAC: Y/N Sample for Sample Code: 01-- PHC Organics/Trace metals: Liver sample for P450: Sample Code: 01-- CYP W/N Gill sample for P450: RIN Sample Code: 01-- CYP . Spleen sample for P450: 4 Sample Code: 01-- CYP -Kidney sample for P450: WIN Sample Code: 01-- CYP -. Heart sample for P450: @IN Sample Code: 01-CYP -Gonad sample for P450: VIN Sample Code: 01--- CYP -Muscle tissue sample for P450: Sample Code: 01-YIN CYP fissue farter MN Comments:

Recorder:

Date: 08,11, 01

		ne po o ma contra con a concerción de contra con		/Animida Su	mmer 20
	Fish Collection/Dissect	ion Data Sheet			$ \begin{array}{c} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n$
	Collection	and the second secon		(j. 1994), konstruiter (j. 1994), konstruiter (j. 1994) Angeleiner (j. 1994), konstruiter (j. 1994), konstruiter (j. 1994), konstruiter (j. 1994), konstruiter (j. 1994)	8
Date Collected:	09 11 10 1	Latitude:	See	station	les
Time Collected:		Longitude:		1,	v
Station Code:		Depth (m):		V r	14 1-1
	Fyke net / (Trawl / Hook & Line	hr Species: Recorder:	aveto	c cod	(ACD)
Period of Deployment: Alive when Caught: Comments:	()/N 08/11 1/2			2	
······································	Dissection		anna anna Tacha-Gallais	ortanan an an an an Friday Color an an	alia (aliana
Date:	0811101	Dissector:	TG	GL	
Start Time:	01 11 1		Fil	<u>i</u>	
Finish Time:		Specimen Code:		ACI	5
Standard Length (mm):	139	Weight (g)		19	
External Abnormalities/Parasites:	NA	Comments:	<u> </u>	-	
Abnormainles/Parasites.	<i>I</i> •	Comments.			
Internal Abnormalities/Parasites:	N4	Comments:	_	-	
Sex:	() IF17	Mature:	YN		
	Samples	(Year - Site - Rep	#-Analys	is -Matrix -Sp	Code)
	^		4500	11	-
Bile/Gall for FAC:	() IN	Sample Code:	01-1-3-	117- FAC -	1 - 1
Sample for	A	<u> </u>	~	1	1
Organics/Trace metals:	QUN .	Sample Code:		- PHC -	<u> </u>
Liver sample for P450:	QIN	Sample Code:		- CYP -	+
Gill sample for P450:		Sample Code:		- CYP -	
Spleen sample for P450:	N/N	Sample Code:		- CYP -	
Kidney sample for P450:	YIN	Sample Code:		- CYP -	
Heart sample for P450:	∀/N	Sample Code:		- CYP -	-
Gonad sample for P450: Muscle tissue sample for	8/1N	Sample Code:	01	- CYP -	+
P450:	(41N	Sample Code:	01- 1-	V-CYP -	V- 1
Comments:	gut lissue	faker for	145U	,	
	2 2 4	7			
		·, · · ·	28,11,	01	

1	Fich Collection (Di-	enotion Data Chaot	
	FISH Collection/Dis	section Data Sheet	- C. C. Companya (C. 1997) - State (C. 1997) - C. S.
	Collection	a la dana ang ana mang ana ang ang ang ang ang ang ang ang	aat na waxay ya ta maraga waxay da maragayi a sa ay a da
Date Collected:	0811101	Latitude:	see staten log
Time Collected:	11:30	Longitude:	0
Station Code:	L	Depth (m):	V
	Fyke net / Trawd/ Hook	<u>& Line</u> Species: <u>c</u> Recorder:	
Period of Deployment: Alive when Caught:		Kecoluel.	Fa
Comments:		a	2
	Dissection		
	08,11,01		TI LI
Date:	11:03	Dissector: Recorder:	
Finish Time:	second	Specimen Code:	ACP
Standard Length (mm):		Weight (g)	
External	A / A		
Abnormalities/Parasites:	1010	Comments:	
Internal	1111		-
Abnormalities/Parasites:		Comments:	niger en den skanske en skanske af de se sere V
Sex:	M/F/?	Mature:	Y/N
	Samples	(Year - Site - Rep	o # -Analysis -Matrix -Sp. Code)
	A) N	Comple Coder	01-45-118-FAC -T -
Bile/Gall for FAC: Sample for		Sample Code:	01- 1-10- FAC - 1 -
Organics/Trace metals:	2	Sample Code:	01 PHC
Liver sample for P450:		Sample Code:	
Gill sample for P450:	QIN	Sample Code:	
Spleen sample for P450:		Sample Code:	01 CYP
Kidney sample for P450:		Sample Code:	
Heart sample for P450:		Sample Code:	01 CYP
Gonad sample for P450:	-	Sample Code:	
Muscle tissue sample for P450:	61	Sample Code:	01- J- J- CYP - J.
. 400.	1		
Comments:	gut fiss	he taken for	<u>f 450</u>
		17	08,11,01
			3.6

	Fish Collection/Disse	a da se la la composicio da la composición de la composición de la composición de la composición de la composic	
	•	an a	
Date Collected:	08,11,01	Latitude:	
Time Collected:	: /	Longitude:	/
Station Code:		Depth (m):	
	Fyke net / Trawl / Hook & L		Equipment Blank (EB)
Period of Deployment:		Recorder:	fa
Alive when Caught: Comments:	YUN		
Comments.	/		
	Dissection	a in article definition of the standard and a	an a
Date:	08,11,01	Dissector:	JG, GL
Start Time:		Recorder:	FCR
Finish Time:		Specimen Code:	EB
Standard Length (mm):		Weight (g)	/
External	1100		
Abnormalities/Parasites:	Nº4	Comments:	\sim
Internal	•		-
Abnormalities/Parasites:	NA	Comments:	
Sex:	MIFIR	Mature:	XIN
	Samples	(Year - Site - Rep	p # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC:	(A)	Sample Code:	01-BPS /19_FAC -EB C
Sample for			50
Organics/Trace metals:	\sim	Sample Code:	01- BPS- /19- PHC - EB (
Liver sample for P450:	YINS	Sample Code:	
Gill sample for P450:	U	Sample Code:	the second s
	YIN		and the second s
Spleen sample for P450:	Y/00	Sample Code:	
Kidney sample for P450:	Y ID	Sample Code:	
Heart sample for P450:	Y / A)	Sample Code:	the second s
Gonad sample for P450:		Sample Code:	01 CYP
Muscle tissue sample for P450:		Sample Code:	01 CYP
	0		
Comments:	equipment Bl	aut kinsate	/
		<u>^</u>	08,11,0)

			MMS/Animida Summer 2001
e	Sedi mut Fish Collection/Dissection	Data Sheet	
	Collection		
Date Collected:		Latitude:	
Time Collected:	Q. PBS BPS	Longitude:	shore intertidat
Station Code:	Fyke net / Trawl / Hook & Line	Depth (m): Species:	shore intertidant
Period of Deployment:	The net Hawin Hook & Che	Recorder:	TO TO
Alive when Caught:			
Comments:			:
	Dissection		/№ 4
Date:	1 1	Dissector:	
Start Time:	the second s	Recorder:	/
Finish Time:	and a state of the second s	Specimen Code:	
Standard Length (mm):		Weight (g)	
External		/	
Abnormalities/Parasites:		Comments:	
Internal			
Abnormalities/Parasites:		Comments:	
Abriormanites/Falasites.		Comments.	
Sex:	M/F/?@	Mature:	Y/N
	Samples	(Year - Site - Rep	o # -Analysis -Matrix -Sp. Code)
			110
Bile/Gall for FAC:	Y KOD	Sample Code:	01 10 - FAC
Sample for	(2)	Sample Code:	01- BPS Dd- PHC - S- SEE
Organics/Trace metals:	(ŷ/N	Sample Code:	01
Liver sample for P450:	Y IQ	Sample Code:	
Gill sample for P450:	Y / 🚱	Sample Code:	
Spleen sample for P450:	YIN	Sample Code:	01 CYP
Kidney sample for P450:	Y/80	Sample Code:	01 CYP
Heart sample for P450:	Y /64	Sample Code:	01 CYR
Gonad sample for P450:	Y167	Sample Code:	01 CYP
Muscle tissue sample for			
P450:	ΥN	Sample Code:	01 CYP
Comments:	GRS Courd.		e of BPS Collector
د -	Shen alone banks for reference	of w sid	e of pro councilo
-			
	$\gamma \qquad 0 \qquad 0$		08,12,01

	in the second	erenti olari olympica energy in a	and the second secon	nan di she sharan kanan nangin Sana kanan sa	een tettette	energia esta esta esta esta esta esta esta est		til som en sen sk af från sen sen sk	ining ay
	Fish Colle	ction/Dissec	tion Data:	Sheet		1946 - 1947 - 19 19 19 19 19 19 19 19 19		an a	i dana. Gantaria
		llection	and an an all all and a	- A - A - A - A - A - A - A - A - A - A				alina - Alin Angora - Alin	د در ماند. محمد همیته ا
Date Collected:				Latitude:		10'	14.2 N	/	
Time Collected:	OA:00			Longitude:	14	1600	31 3	8.0 4	ú
Station Code:	-	BPS		Depth (m):	60	1 7	01		
Method of Take:			ne groten	Species:			24 pm	1 (<u>')</u>
Period of Deployment: Alive when Caught: Comments:	COIN	<u>/11 - 08/r</u>	<u>C</u> /	Recorder:					
	Dis	section	1923 The South State				••••••••••••••••••••••••••••••••••••••	nangere de	
Date:	08,12,01			Dissector:	76	- G-1			
Start Time:				Recorder:		=Q			
Finish Time:	17:50		Speci	imen Code:			-	FS	
Standard Length (mm):		145		Weight (g)		24	2		
External Abnormalities/Parasites:		NA		Comments:					
Internal Abnormalities/Parasites:		NA		Comments:		_			
Sex:	(M) F / ?			Mature:	¥7	N			
	S:	amples	*/**** (Yea	r - Site - Rep	o # -An	alysis	-Matrix -S	p, Code	*)***
Bile/Gall for FAC: Sample for	ØN		Sa	mple Code:	01- 12	p <u>P<u>\$</u>/</u>	- FAC	T-	£
Organics/Trace metals:			Sa	mple Code:	01-		- PHC	. -	1
Liver sample for P450:	PUN		Sa	mple Code:	01-	-	- CYP		Т
Gill sample for P450:	RUN		Sa	mple Code:	01-	-	- CYP		T
Spleen sample for P450:	DIN			mple Code:		-	- CYP		+
Kidney sample for P450:	M IN			mple Code:		-	- CYP		+
Heart sample for P450:	RIN			mple Code:		-	- CYP	1 -	+
Gonad sample for P450:	BIN			mple Code:		-	- CYP	1-	+
Muscle tissue sample for			- Cu	inpic code.				1	+
P450:	(Y) I N		Sa	mple Code:	01-1	/ - 1	J-CYP	·V -	V
Comments:	- qut	fissure	taken	fur	РY	50		0	
Recorder:	h	~ L~	la	Date:	28,1	1,0)		
			0		12	-			

Date Collected: 4	Fish Collection/Dissect	tion Data Sheet	
Date Collected:	Collection		
Time Collected: Collec		Latitude: Longitude: Depth (m): e Species:	70° 10' 14.2"N 146° 53' 38.0 1.0 Fourhomsculptu(FS
Period of Deployment: Alive when Caught: Comments:	74	Recorder:	F-2
entervize cont	Dissection		
Date: (1812,01	Dissector:	TG GL
Start Time:		Recorder:	Far
Finish Time:	17:53	Specimen Code:	FS
Standard Length (mm): _	185	Weight (g)	65
External			
Abnormalities/Parasites:	MA	Comments:	
Internal Abnormalities/Parasites:	NA	Comments:	
Sex:	(WIF1?	Mature:	(N N
	Samples	(Year - Site - Rep	#-Analysis -Matrix -Sp. Code
Bile/Gall for FAC: Sample for	(21N	Sample Code:	01- BPS 122- FAC - T-
Organics/Trace metals:	QIN	Sample Code:	01 PHC
Liver sample for P450:	(VIN	Sample Code:	
Gill sample for P450:	MIN	Sample Code:	
Spleen sample for P450:	YNN N	Sample Code:	
Kidney sample for P450:	AIN	Sample Code:	
Heart sample for P450:	ØIN	Sample Code:	01 CYP
Gonad sample for P450:	(V) N	Sample Code:	01 CYP
Muscle tissue sample for P450:	(M) N	Sample Code:	01- V- V-CYP + -
Comments: _	gut tissue tu	<u> </u>	
-			
Recorder:	m Jal	Date:	08,12, 07

			MMS/Animida Summer 2001
	Fish Collection/Dis	ssection Data Sheet	
	Collection	n a standard a standard An standard a	
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	C9:00 BHS Evice Det / Trawl / Hook Q 08/11 - 08	Latitude: Longitude: Depth (m): <u>& Line</u> Species: 1/2~ Recorder:	146 53 38.0 "4
	Dissection		
Date: Start Time: Finish Time: Standard Length (mm):		Dissector: Recorder: Specimen Code: Weight (g)	AF FS
External Abnormalities/Parasites:	NA	Comments:	
Abnomalities/Parasites:	NA	Comments:	\subseteq
Sex:	MIF1?	Mature:	(Y)N
	Samples	(Year - Site - Re	o # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC: Sample for	® IN	Sample Code:	01-BPS 123-FAC -T- F
Organics/Trace metals:	(N	Sample Code:	01 PHC
Liver sample for P450:	B IN	Sample Code:	01 CYP
Gill sample for P450:	GIN	Sample Code:	01 CYP
Spleen sample for P450:	()/N	Sample Code:	
Kidney sample for P450:	60/N	Sample Code:	
Heart sample for P450:	(P/N	Sample Code:	
Gonad sample for P450: Muscle tissue sample for	Ø/N	Sample Code:	
P450:	WIN	Sample Code:	01-V - V - CYP - V - V
Comments:	gut fiss	me faken for	P450
Recorder:	2mm2	In Date:	-8,12,01

		MMS/Animida Summer 2001
	Fish Collection/Dissection	Data Sheet
	Collection	an a
Date Collected:	08,12,01	Latitude: 70 10 14.2 W
Time Collected:	04:00	Longitude: 146 531 38.0 "W
Station Code:	BPS	Depth (m):
	Fike pet / Trawl / Hook & Line,	Species: Dolly Varden (PV)
Period of Deployment:		- Recorder: Fun
Alive when Caught: Comments:		i i i
	Dissection	
Date:	08,12,01	Dissector: JG-GL
	Ft:58	Recorder: Fca
Finish Time:	18:10	Specimen Code: DV
Standard Length (mm):	995	Weight (g) 650
External Abnormalities/Parasites:	NA	Comments:
Internal	И	Garage full
Abnormalities/Parasites:	/	comments: <u>fapenorns</u> full and rematches(?)
Sex:	M/F/?	Mature: Y/N G of rematche S(:)
	Samples	(Year - Site - Rep # -Analysis -Matrix -Sp. Code)
Bile/Gall for FAC:	YAN	Sample Code: 01-BPS-124 FAC -T- DV
Sample for		1
Organics/Trace metals:		Sample Code: 01- / PHC
Liver sample for P450:	V	Sample Code: 01- / - CYP
Gill sample for P450:	C .	Sample Code: 01
Spleen sample for P450:	K ^N	Sample Code: 01 CYP
Kidney sample for P450:	(D) N	Sample Code: 01 CYP
Heart sample for P450:	S N	Sample Code: 01 CYP
Gonad sample for P450:	()) N	Sample Code: 01 CYP
Muscle tissue sample for P450:		Sample Code: 01- V- VCYP - V-
		taken for p450
Comments:	gut tissue	Thick for p450
	* blood neary be	present in bile
Recorder:	Am Inla	Date: $\frac{08/12}{1}$
	0	to and of direction day colored

	Collection	an a	na series and series an The series of the series of
Date Collected:	in the second	n manan dhaka haka ann an a' diritann ar Ginada Balaigh () a air ra a	r
		Latitude:	
Time Collected: Station Code:		Longitude:	
	Fylke net / Trawl / Hook & Line	_ Depth (m): _ Species:	
Period of Deployment:	Fyne het / Hawi / Hook & Line	Recorder:	<u>\</u>
Alive when Caught:	YIN	. Necoldel	
Comments:			`
oonnond.			
	an a	na a ta shurayo na	an a
The COLOR & CARACTER Sequences	Dissection	no francésia de la construir de	and some states in a subscription of the second states where
	1 1	Dissector:	
Start Time:		Recorder:	
Finish Time:		Specimen Code:	
Standard Length (mm):	/	Weight (g)	
External			
Abnormalities/Parasites:		Comments:	
Internal			
Abnormalities/Parasites:	/	Comments:	and the second
Sex:	MIE1?	Mature:	Y/N
	Samples	(Year - Site - Rep	# -Analysis -Matrix -Sp. Code)
			NOL 12
Bile/Gall for FAC:	Y /N	Sample Code: _	01-NOL-125-FAC
Sample for	(VIN	Constantin Constant	01-NUL 125-PHC - W- FB
Organics/Trace metals:	Ŭ A	And the second sec	
Liver sample for P450:	YIO	Sample Code:	
Gill sample for P450:	Y / 🕅	Sample Code: _	
Spleen sample for P450:	Y /@	Sample Code:	
Kidney sample for P450:	YIO	Sample Code:	
Heart sample for P450:	Y/0	Sample Code:	01 ØYP
Gonad sample for P450:	YIO	Sample Code:	,
Muscle tissue sample for	() [
P450:	YIN	Sample Code:	01- / CYP
a .		Lit. DI.	h @ lob Endi
	Come ther R	insate Blan	h @ lot Endi
Comments:			
Comments: - - -			08,13,01

	Collection	and a second	an a	ing a second s
Date Collected:	5813101	Latitude:	see log	speet
Time Collected:	13:40	Longitude:		
Station Code:		Depth (m):	V	1
	Fyke net / Travil / Hook & Line	Species:		(od (Aq))
Period of Deployment: Alive when Caught: Comments:	Q1N 08/13 42	<u>h</u> Recorder.	F_CA	
	Dissection		annan an a	
Date:	13101	Dissector:	76 (sl
Start Time:		Recorder:		
Finish Time:	19:47	Specimen Code:		rco
Standard Length (mm):	146	Weight (g)		2
External				
bnormalities/Parasites:	NA	_ Comments:		
Internal	,		_	
bnormalities/Parasites:	NA	Comments:		
	~	-		
Sex:	(M) F17	Mature:	Y /N)	
		(Year - Site - Re	p#-Analysis-N	Aatrix -Sp. Code)
Bile/Gall for FAC: Sample for	(N	Sample Code:	01- N25 12	FAC -T-
Organics/Trace metals:	(Ý) N	Sample Code:	01	- PHC - -
Liver sample for P450:	10/N	Sample Code:	and the second s	- CYP
Gill sample for P450:	MIN	Sample Code:		- CYP
pleen sample for P450:	(M) N	Sample Code:	and the state of t	- CYP
idney sample for P450:	(VIN	Sample Code:		- CYP
Heart sample for P450:	ØIN	Sample Code:		- CYP
onad sample for P450:	()/N	Sample Code:		- CYP - / -
uscle tissue sample for P450:		Sample Code:		- CYP - V - V
Comments:	gat tissue t		P450	
-				
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MMS/Animida Summer 2001 and the second sec Fish Collection/Dissection Data Sheet Collection Date Collected: 08 1 (3 , 01 see st Latitude: Longitude: Time Collected: 13:40 Depth (m): Station Code: NZS archic cod, (Acl) Species: Method of Take: Fyke net / Traw / Hook & Line Recorder: Period of Deployment: a 12 Alive when Caught: Comments: Dissection 56 GL Date: 08 113 10 Dissector: Recorder: Start Time: 19:4 AC D Specimen Code: Finish Time: 14 : Standard Length (mm): 95 Weight (g) 50 External Comments: Abnormalities/Parasites: Internal Comments: Abnormalities/Parasites: キリア Mature: Sex: Samples (Year - Site - Rep # - Analysis - Matrix - Sp. Code) Sample Code: 01- 125-127- FAC - T ACD (Y)N Bile/Gall for FAC: Sample for Sample Code: 01-- PHC -Organics/Trace metals: (Y/IN - CYP -Sample Code: 01-..... Liver sample for P450: (VIN (V/N Sample Code: 01--- CYP --Gill sample for P450: Sample Code: 01-- CYP Spleen sample for P450: Ø/N - CYP . Q/N Sample Code: 01---Kidney sample for P450: - CYP -Heart sample for P450: (F) N Sample Code: 01---Ø/N - CYP Sample Code: 01-Gonad sample for P450: Muscle tissue sample for Sample Code: 01-1 P450: (Ý)/ N CYP P450 Comments: ·uli ane ecec. RAGEO Date() & 1 (3,0) Recorder:

	Fish Collection/Dissecti	on Data Sheet	
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:		Latitude: Longitude: Depth (m): Species: Recorder:	See Staton loy avetre Cod (ACD)
Date: Start Time: Finish Time: Standard Length (mm):		Dissector: Recorder: Specimen Code: Weight (g)	
External Abnormalities/Parasites:	NA	Comments:	
Internal Abnormalities/Parasites: Sex:		Comments: Mature:	Y IN
	Samples	(Year - Site - Rep	p#-Analysis -Matrix -Sp. Code)
Bile/Gall for FAC:	YIN	Sample Code:	01- 425 128 FAC -T - K
Sample for Organics/Trace metals:	01	Sample Code:	01 PHC
Liver sample for P450:	A	Sample Code:	01 CYP
Gill sample for P450:		Sample Code:	01 CYP
Spleen sample for P450:	Ø/N	Sample Code:	
Kidney sample for P450:		Sample Code:	
Heart sample for P450:	V.	Sample Code:	
Gonad sample for P450: Muscle tissue sample for P450:	M	Sample Code: Sample Code:	
Comments:	P450 surgle	taken of	gut tissue
Recorder:	J. Angle	Date:	08,13,0)

	Fish Collection/Dis	section Data Sheet	analis para series and	
and the second	Collection	n an	ار این می از این این می می این این این این این این این این این ای	
Date Collected:	08,13,01	Latitude:	See Station log	<
Time Collected:		Longitude:		1
Station Code:	Vis	Depth (m):		
Method of Take:	Fyke net / (Trawl / Hook		protoc cod (A	9
Period of Deployment:	ih h	Recorder:	Far	
Alive when Caught: Comments:	(Y/N		21	
	Dissection	Ing I the American State of State of States		ane Soot
Data	08,13,01	Dissector:	J6 GL	
Start Time:		Recorder.	Tal	
Finish Time:	the second s	Specimen Code:	ACO	
Standard Length (mm):	161	Weight (g)	2.8	
External Abnormalities/Parasites:	N.A	Comments:		
	4/ 4			_
Internal	NA			
Abnormalities/Parasites:	<u></u>	Comments:		-
Sex:	(M)IF (2)	Mature:	Y 🔊	
	Samples	(Year - Site - Rep	p#-Analysis -Matrix-Sp. Coo	de
Bile/Gall for FAC:	WIN	Sample Code:	01-M25129 FAC -T-	
Sample for Organics/Trace metals:	WIN	Sample Code:	01- [-] - PHC	
Liver sample for P450:	(VIN	Sample Code:		
Gill sample for P450:	(QIN	Sample Code:		
pleen sample for P450:	ACI N	Sample Code:		
(idney sample for P450:	NIN	Sample Code:		
Heart sample for P450:	(OIN	Sample Code:	and the second s	-
Sonad sample for P450:	RIN	Sample Code:		
luscle tissue sample for				-
P450:	(Y)N	Sample Code:	01- U- U-CYP -	~
Comments:	Sut tiss	ne toher for	P450	
2	govad "	sylovic Cecae		
		0	08,13,01	

	Colle	ction	an an 1945 - 1975 - San Andrew Standard (m. 1977) 1975 - San Angele Standard (m. 1977) 1976 - San Angele Standard (m. 1977)	ing and the second s Second second	an a
Date Collected: Time Collected: Station Code: Method of Take: Period of Deployment: Alive when Caught: Comments:	13: 40 N25 Fyke net / (raw 08/17		Longitude: Depth (m): Species:	see stat	
	Diss	ection		NAMES OF THE OWNER O	
	(3, 13, 0) (20:07)		Dissector: Recorder: Specimen Code:	J6,6L pile	FCD
Standard Length (mm):	the state of the s	35	Weight (g)		<u> -</u>
External Abnormalities/Parasites:		Nt	Comments:		Marine Marine Street
Internal Abnormalities/Parasites:		NA	Comments:		
Sex:)M/F()		Mature:	Y 103	
	San	nples	(Year - Site - Rep) # - Analysis - Matr	ix-Sp. Code)
Bile/Gall for FAC: Sample for	G IN		Sample Code:	01-N25-130-F	AC-T- H
Organics/Trace metals:			Sample Code:		HC -
Liver sample for P450: Gill sample for P450:	QIN		Sample Code: Sample Code:		CYP
Spleen sample for P450:	(N		Sample Code:		YP
Kidney sample for P450:	(Y)N		Sample Code:		YP
Heart sample for P450:	NN		Sample Code:		YP
Sonad sample for P450:	(P) N		Sample Code:	01	YP
Muscle tissue sample for P450:	()/N		Sample Code:	01- 1/- 1 - 0	YP J - J
Comments:	gut	fisse	Jaken for	P450	2

Fish Collection/Dissection Data Sheet Collection Date Collected: 081/310/ See stato Latitude: Time Collected: 13:40 Longitude: Station Code: Depth (m): Method of Take: Fyke net / Traw / Hook & Line Species: arctic col. (ARD) Period of Deployment: Recorder: En Alive when Caught: Y/IN Comments: Dissection Date: 08 1/3,01 Dissector: JG GL Start Time: 20: 12 Fer Recorder: Finish Time: 70: 20 Specimen Code: ACO 146 21 Standard Length (mm): Weight (g) External Abnormalities/Parasites: Comments: Internal NA Abnormalities/Parasites: Comments: MIFIN Sex: Mature: Samples (Year - Site - Rep # - Analysis - Matrix - Sp. Code) Sample Code: 01-125- 131- FAC - T-(VIN ACD Bile/Gall for FAC: Sample for Organics/Trace metals: (70/N Sample Code: 01-PHC -Liver sample for P450: AIN Sample Code: 01--- CYP --Gill sample for P450: Ø/N Sample Code: 01-- CYP --Spleen sample for P450: DIN Sample Code: 01-- CYP --NIN Kidney sample for P450: Sample Code: 01-- CYP --Heart sample for P450: NIN Sample Code: 01-- CYP --ØIN Gonad sample for P450: Sample Code: 01-- CYP --Muscle tissue sample for MIN P450: Sample Code: 01- N - CYP -450 Comments:

Recorder:

Date (R 11310

an a	Fish Collection/Dissection	on Data Sheet	and a set of the set o
	Collection	and a start of the s	ار این از این
Date Collected:	08,12.01	L atilitadas	co staten los
Time Collected:		_ Latitude:	See staten boy
Station Code:	territoria de la constitución de la	Depth (m):	the second se
	Fyke net / Trawy/ Hook & Line		artic cod (10)
Period of Deployment:	~ TI2 h	Recorder:	
Alive when Caught: Comments:			
	Dissection	Radi Taaniya ah bular dhu ah ah Marida dh	
	08 ,13 ,- 01	Dissector:	76-
	20:20	- Dissector. Recorder:	
Finish Time:	70: 31	Specimen Code:	
Standard Length (mm):		Weight (g)	
External			
Abnormalities/Parasites:		- Comments:	• ••••• ••• ••• ••• ••• •••
Internal			
Abnormalities/Parasites:		- Comments:	
Sex:	MIFI? NA	Mature:	Y/N NA
ana karang sana karang san Karang sana karang sana kar	Samples	(Year - Site - Rep	p#-Analysis -Matrix-Sp. Code)
Bile/Gall for FAC:	YN	Sample Code:	01-N25 132-FAC - J - F
Sample for Organics/Trace metals:		Comple Coder	
Liver sample for P450:		Sample Code:	The state of the second s
Gill sample for P450:	X	Sample Code: Sample Code:	the second se
	~	second contraction second only	services and the service of the serv
Spleen sample for P450: Kidney sample for P450:	MIN MIN	Sample Code:	
Kidney sample for P450: Heart sample for P450:	~	Sample Code: Sample Code:	
(E)		and the second of the	and the second s
Gonad sample for P450: Muscle tissue sample for		Sample Code:	01 CYP
P450:		Sample Code:	01-1/- V-CYP-1-
Comments:	* Composites	See attra	hed Sheet
	whole firth san	mples Comp	rosited
			08, (3, 0)

01-N25-132-PHC-T- ACD while fish) aretic (od-FPCI composite organics Fish Tissue Composite Sample Data Sheet Tissue composite #:__ Tissue composite #:___ Date: 08/13/01 Date: 08/13/01 Zone: N25 Species: ACD Species: ACD whole whole whole Tissue:_____ Tissue:_____ Sample code #'s of fish Sample code #'s of fish used in this composite: used in this composite: Comments:___ Comments:__ 106 mm SI min 7.00 3.04 Tissue composite, #:___ Tissue composite #:_ Date: 08/301Zone: N25 Date: 08 13 01 Zone: N25 Species: A cD ACD Species:_____ Tissue:________ whole Tissue: Sample code #'s of fish \ Sample code #'s of fish used in this composite:_ used in this composite:___ Comments: Comments: S2 min 74 mm 6 Tissue composite #:___ Tissue composite #:__ Date: 08/13/01 Date: 08/13/07 Zone: N25 Zone: N25 Species: AcD Species: AcD Tissue: whole Tissue: Whole Sample code #'s of fish Sample code #'s of fish used in this composite used in this composite. Comments: Comments:__ 80 mm SI) man 2.09 pg lofz

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11 Que hu 08/13/01

Whole fish) Arctic cod. 01-N25-132. PHC-T-ACD FRZ composite organics Fish-Tissue Composite Sample Data Sheet 10 Tissue composițe #:_ Tissue composite #:__ Date: CS 13/9 Date: 08/13/01 Zone: 125 Zone: N25 ACD Species: ACD Species: U whole whole Tissue: Tissue: Sample code #'s of fish Sample code #'s of fish used in this composite: \ used in this composite: 1 Comments: Comments:__ 84mm 8 Tissue composite #:_____ Date:______८४/(३/२) 11 Tissue composite #:____ Date:_____ $U \& (3) \circ ($ N25 1 Zone: Zone: N25 Species: ACD Species: ACD Tissue:____uhole_ Tissue: whole Sample code #'s of fish Sample code #'s of fish used in this composite: used in this composite: Comments:_ Comments: 80 mm 3 3.00 Tissue composite #; Tissue composite #:_____ Date: 08/13/01 Date:_____ Zone: N25 Zone Species: ACD Species: whate Tissue: Tissue: Sample code #s of fish Sample code #'s of fish used in this composite:_ used in this composite:____ Comments: Comments: 86 mm

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