# APPENDIX B. FIELD FORMS, FIELD NOTES, AND COCS



Project Name: Duamish ACC3 Fish/Crab Tissue Location: Reach 2

Field Crew Initials: MY, JR Date: 8/29/2017

Target Species: Dungeness crab (DC), Graceful crab (GC)

Collection Method: Crab Jan

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
	No crabs caught this day			***
		901		
- 2		4		

Project Name: AOC3 Fish/Coab Tissue

Date: 08-29.17

Field Crew Initials: KM, NM, 7D

Target Species: ES, SF, DC, GC, SS Collection Method: TRAWL

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1015	LDW17-RZ-GC001	107	215	Male
1258	LDW17- RZ-60002	101	205	
1319	LDW17-R2-60003	91	149	Male
ĺ	1 -60004	92	139	Male
	-GC005	93	157	Male
	-6C00b	90	133	Male
V	V V-6007	90	179	Male
0914	LDW 17-122A-55001	121	18	
	1 -55002	123	26	
	-55603	115	22	
	-55 004	118	27	
	-55 005	115	20	
	-55 006	103	10 20 16	,
	-SS 007	124	24	
	-55.000	124	18	
	-55009	173	70	
-1,-1	-55010	115	16	
-√	V -55011	107	16	

Project Name: AOC3 Fish/Crab Tissue Location: Reach 2 (A3B)

Field Crew Initials: KM, NM, TD Date: 8.29.17

Target Species: ES, SF, DC, GC, SS

Collection Method: TYQW\S

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
0914	UN17-RZ455012	115	22	
	1 -55013	112	16	
	-55014	116	24	
	-55015	121	26	
	-5501b	117	27	
	-SS617	109	27 24	
	-55018	116	26	
	-55019	128	34	
	-55020	119	26 34 30	
		115	32 36 24 32	
	-550Zi -550ZZ	126	36	
	-55023	iib	24	
	-SS024	115	32	
	-55075	125	36	
	-55026	125	28	
	-55027	115	28 26	
1	-55028	110	72 24 22	
7	-55029	111	12	

Project Name: AOC3 Fish/Crab Tissue Location: Reach 2 (A3B)

Field Crew Initials: KM, NM, TO Date:

Target Species: ES, SF, DC, GC, SS

Collection Method: Traw

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
0914	LOW 17-RZ455030	117	26	
1015	LOW 17-RZA-55031	121	26 24	
1	1 -55032	131	28	
	-5033	125	30	
	-SS034	142	324	
	-55035	125	26	
	-95036	120	20	
	-55037	137	34	
	-55 Ø 38 -55 Ø 39	120	24	
	-55 039	120	26	
	-55040	120	18	
	-55041	125	28	
	-55 Ø AZ	123	18	
	-55043	125	i&	*
	-55044	129	26	
	-55045	119	18	
/	-S5846	120	16	
4	4 - 55047	142	18	

Project Name: ACC3 FIST/CYOB TISSUE

Location: Reach 2 (A3B)

Date:

Field Crew Initials: KM, NM, TD

Target Species: ES, SF, DC, GC, SS

Collection Method: Traw

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm) WEIGHT (g) COMMENTS
1015	WW17-R2A-5048	124 10
	1 -55049	70HG 136 7616 38
	55050	TB119121 1022 1028
	-55051	TR 132 133 2 14 28
	-55052	TX 157 120 22
	-55053	
	-55054	De 137153 48
	-55055	119 24
	-55056	120 26
	-55.057	122 22
	-55058	115 22
	-55059	110 18
V	V -55060	126 20
1100	LDW17- R2B-55061	114 20
		128 30
	-55067 -55063	114 20
1/	-55065	100 14
V	V -55065	108 18



Project Name: ACC3 Fish/Crab Tissue Location: Reach 2 (A3B)

Date: 8.29.17 Field Crew Initials: KM, NM, TD

Target Species: ES, SF, DC, GC, SS

Collection Method: Trawi

COLLECTION TIME	SPECIMEN ID NO.		(mm) WE	EIGHT (g)	COMMENTS
1100	COW 17-RZB-5506	110	2	2	
ĵ	1 -5500	7			
	-5506	8			
Υ.	-5500	9 111	O.		
	-550:		- 1		
	-556				
	-550	72 12			
	-550	73 12		Z Z	
	-550	74 115	5 16	0	
	-550	75 111	0 11	0	
	-55@			4	
	-55 0	7 <del>7 </del> ib	4 11	0	
	-550	078 12	7 3	3	
	-550	79 10	5 il	3	
	-550		3 2	b	
	-55 @		9 2		
/	1 -550	582 10	6 14	1	
7	-550	263 II	H Z	D O	

Project Name: ACC3 Fish/Crab Tissue Location: Reach Z (A3B)

Field Crew Initials: KM, NM, TD Date:

Target Species: ES, SF, DC, GC, SS

Collection Method: Train)

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1100	LOW17-RZB-55084	117	24	
	-55085 -55086 -55087 -55088	119	24	
	-55086	ill	20	
	-55087	110	20	
	-55028	125	26	
	-55009	111	22	
4	V -55090	110	20	
1127	iDW17-128-55091	107	14	
88	1 -55092	i05	12	
	-55093	108	18	
	-55094 -55095 -55096	115	18	
	-55.093	124	22	
	-55096	124	24	
	-55097	105	14	
	-55098	105	14	
	55099	114	16	
	-55100		12	
	V -55101	112	16	

Project Name: A063 Fish/Crab Tissue Location: Reach 2 (A38)

Date: 8.29.7 Field Crew Initials: KM, NM,TD

Target Species: ES, SF, DC, GC, SS

Collection Method: Traw

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	<b>W</b> EIGHT (g)	COMMENTS
1127	UDW 17-12B-55102	106	18	
l	1 - 55 103	106	18	
	-SS 104	112	20	
	-95105	801	16	
	-55106	120	22	
	-55107	106	16	
	-55108	100	14	
	-55109	110	16	
	-55110	111	iδ	
	-55111	106	16	
	-55112	106	18	
	-55113	121	24	
	-55114	106	16	
	1	00	16	
	-55116	113	20	
	-55117	105	16	
1	-55 LiB	98	14	
V	V -55119	102	14	

8

## TARGET SPECIES TALLY FORM

Project Name: AOC3 FISh/Crab TISSUE Location: Reach 2 (A3B)

Date: 8.29.17 Field Crew Initials: KM, NM, TD

Target Species: ES, SF, DC, GC, SS

Collection Method: Traw)

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	<b>W</b> EIGHT (g)	COMMENTS
1127	UDW17- RZB-55120	104	16	
0914	UDW17-R2-ES001	332	420	Female
	-ES002	224	138	Malo
	-ES003	235	160	Male
	-ES004	172	59,	Male
	-E300S	317	292	
	-ES006	241	156	Male
1015	LDW17-RZ-ES007	247	168	MADO
	E3008	261	178	Fernale
	ES 009	221	124	Male
	ES 010	200	100	Male
	ESOIL	337	450	Female
	ESØ12	235	146	Male
	ES013	229	142	Male
	ESØ14	265	232	Female
	ESØ15	232	145	Male
	E5016	334	456	Female
1100	W17-RZ-E3017	201	87	Male

Project Name: ACC3 FISh/Crab TISSUO Location: Reach Z (A3B)

Date: 8.29.17 Field Crew Initials: KM, NM, TD

Target Species: ES, SF, DC, GC, SS

Collection Method: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Comments
1150	LDW 17- R2- ES 018	320	330	Female
1232	DW (7-128-ES 619	320	382	Female
1258	WW 17-82-13-020	724	116	Male
1250	12W17-RZ-ES-021	216	92	Male
1318	LDW 17-R2-E3022	303	324	Famale
	-E3023	191	84	Male
	-E3024	251	164	Male
1354	LDW17-RZ-83025	228	118	Male
	-E3026	224	136	Male
	-E3 027	293	278	Female
	-13028	265	146	Female
	-E3029	196	90	Male
	- ES 030	209	108	Male
	-ES031	725	410	Ferrale
	- 15 032	206	82	Male
	~ES 033	179	68	Male
1421	LDW17-R2-ESØ34	237	150	Female
	-E3035	259 295	180	Male

Project Name: ACC3 Fish Crab TISSUE Location: Reach 2 (A3B)

Field Crew Initials: YM, NM, TD Date:

Target Species: ES, SF, TC, GC, SS Collection Method: Tyawi

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1421	WW17-RZ-ES036	2(0	150	Female
0914	LDW17-R2-SF601	205	118	Male
	-RZ SF007	336	428	Female
1	V V 5F003	26!	100	Female
1015	LDW 17-RZ-SF004	494	1474	Temale.
1127	10W17-RZ-SF005	205	116	Indetermable
	-SF006	260	238	Female
	-SF 067	276	265	Male
	-SE008	208	120	Undeterminable
V	V - 5F 009	225	152	Male
1354	DW17- RZ -SF010	212	122	Female
1	1 SF 011	279	258	Temale.
	5F012	235	182	Female
	3FØ13	261	204	Male
	5F014	291	296	Male
1	SF 015	216	124	Male
<b>V</b>	V 5F 016	260	198	Undeferminable
	V SPOIT	212	132	Undelevaniste Fernal

Project Name: ACC3 Fish/Crab Tissue Location: Reach 2 (A3B)

Field Crew Initials: KM, NM, TD Date: 8.29.77

Target Species: ES, SF, DC, GC, SS
Collection Method: Traw

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	<b>W</b> EIGHT (g)	Comments
1354	UDW17-RZ-SF018	212	138	Undeterminable
	1 1-5F019	262	112	Female
	-SF-020	239	152	Female
	-SF 021	201	106	il ordeseou nable
	-SF 022	200	106	Male
	-SF 023	206	122	Undetermnable
$\vee$	V -SF 6024	225	148	Undeleverable
1421	WW17- RZ -SF025	207	110	Undetermable
_ i	SF 026	216	137	Undeterminable
	-SF 027	207	110	Male
_ _	-SF 028	225	136	Female.
	-SF 029	204	100	Undetermnable
	-SF030	265	240	Male
	-SF031	236	176	Undetermable
_	-5F03Z	207	110	Undeferminable
	-5F033	221	146	Maie
1,	-SF034	215	DO 14 121	e Male
V	V -SF Ø35	282	364	Male

Project Name: AOC3 FISH/Crab TISSUE

Location:

Date: 8.29-17

Field Crew Initials: KM, NM,TD

Target Species: ES, SF, DC, GC, SS

Collection Method: Train

COLLECTION TIME		SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1421	LDW17-R2-SF036		214	130	Male
		1-5F037	201	110	Male
		-SF 038	200	108	Fernale Fernale
		-SF-039	238	182	nale
		-5F 040	211	126	Male
		-SF 041	249	1780	Female
		-5F042	268	240	Male
		-SF043	202	116	Male
		-5044	220	144	Male
/		\$ 045	266	254	Male
7	Ψ ,	J -SF046	210	134	Male
	/				
_/					

Project Name: ACC3 Fish/Coab Tissue Location: R2

Date: 8.30.17 Field Crew Initials: MY, JR

Target Species: DC &C

Collection Method: Crab Trap

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Comments
1201	LDWIT-RZ-Geoig	93	170	male; windward cooler#
1417	LDW17-R2-DC001	184	832	male; windward cooler#8
1424	LDWIT-RZ-DCOOZ	125	296	male 1
1432	LOW17-RZ-6C025	94	168	male unduard #6
1513	LDW17-RZ-DC003 LDW17-RZ-DC004	167	594	male unduard #6 male winduard #8
1513	LDW17-R2-DCOOY	156	538	male'
	7			,
				a ×
			1	
	V			

Project Name: AOC3 Fish (Crab T. Ssile

Location: Reach 132

Date: 68.30.17

Field Crew Initials: KM, NM, TD

Target Species: ES, SF, SS, SA, DC, GC
Collection Method: TRAW L

Ī	COLLECTION	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Co	OMMENTS
4.3	TIME	WW17-R2-6C008	95	166	Male	cooler #6
出门	0856	J 6000	94	164	Male	
#13	1003	10017- RZ-GC010	94	137	Male	
R U	راً	V-GCOIL	92	141	Male	4
	J	LDW17-R2-SA001	212	125	ND	cooler#8
x 15	1119	1DW17- RZ-GC012	103	187	male	COOLER #6
#15	1	1 60013	93	159	wale	
1		GC 014	97	183	male	
	1	J 60015	104	183	wall	
	119.44	UNI7- RZ-GC016	93	163	inale	
#16	1147	LOW17- RZ-6007	94	137	male	
710	1	1 1 6C ±018	108	220	male	
. [	V	€ GC+020	100	180	male	
#17	1256	LOW 17- RZ-GCO21	93	139	male	
#13	1324	(tw7- RZ-6C 022	93	186	male	
#19	1400	UNU17-R1-GC023	95	172		
7 11	¥ -	UW9-R1-60024	98	174		coolerst =
我们	085	10017- PZ - ES037	120	103	male	with "

Location: Reach 132 Project Name: AOC3 Fish/Crab

Field Crew Initials: KM, NM, TD Date: 8.30.17

Target Species: ES, SF, SS, SA, DC, GC Collection Method: Trawl

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Com	MENTS
#18	1324 (83)	LDW17-R2-ES038	226	105	male	COOLER#:
10		1-15039	219	163	male	
		-E3 040	702	83	male	
		-53041	230	130	male	
	1	V V-E3042	208	95	male	
512	0975	LOW 17-R2-ES 043	186	62	inale	
10	i	1 1-53044	188	70	male	
		-B 045	200	81	male	
		-B046	201	73	male	
		-3047	219	110	male	
		-ES048	236	140	male	
		-E3049	196	90	male	
		-25050	A 1782	90	male	
		-ES 051	406	749	femile	
		-B052	316	350	Genale	
	V	J - ES 053	314	299	Semale	
	REED	UDW17-RZ-ES054	368	470	fémale	1
n (F)	031/	V V -ES055	293	210	Rmale	V

Project Name: ACC3 Fish/Crab Tissue Location: Reach 132

Date: 08.30 17 Field Crew Initials: KM, NM, TD

Target Species: ES, SF, SS, SA, DC, GC

Collection Method: Typu)

С	OLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
13	1003	UDW17- RZ-ES056	281	220	Female Coolers
	V	V V-ES057	299	260	Male 1
5	1119	UDW 17-22-55050	322	400	Female
		1 1-ES059	230	13	Male
		-5060	203	90	Mala
		-15061	210	100	Male
		-3062	204	90	Male
		-5263	197	60	Male
6	1147	WWA-RZ- 8064	214	110	Male
		1 1-13065	195	81	Male
		1-ES066	207	80	Male
	9	J -E3067	239	140	Male
7_	1256	12W17-RZ -ESQ68	231	140	Female
		V V -13069	299	349	Female
@	1324	UN17-12-13070	211	100	Male
a _	1400	12W17-R1-ES071	ZIO	102	Male
	1,	1 1-13072	245	159	Male J
	V	V - B073	245	165	Male

4

# TARGET SPECIES TALLY FORM

Project Name: ACC3 FISh/Crab TISSUE Location: Reach 132

Date: 08-30-17 Field Crew Initials: km, NM, TD

Target Species: ES, SF, SS, SH, DC, GC

Collection Method: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS	
0850	UDW17-R2-5F047	294	320	Male	(cooler
6925	10W 7-RZ-SF048	209	115	Male	
	1 -SF 049	225	145	Undeterminable	
	-SF 050	255	210	nale	
	-SF051	211	120 1	Indetermulable	
	-SF 052	210	24615	Undekundle	
	SF 053	216	132	Male	
1,	-SF 054	197	110	Male	
7	J J -SF 055	215	172	indetermelle	
1003	1DW17-R2-SF 056	27.7	242	Male	
1	1 -SF Ø57		262	Female	
	-SF 058	260	209	Male	
	- SF Ø59	253	206	WALE	
	- SF 86 ¢	240	176	MALE	
	SF\$61	218	132	MALT	
	SF\$62	200 294	110	UNKNOUN	
	SF 0 63	299224	354	FEMALE	
1	V 5F \$64	12320	250	MALE	

Project Name: ACC3 FISh/Crab TISSUE Location: Reach 132

Date: 8.30.77 Field Crew Initials: KM, NM, TD

Target Species: ES, SF, SS, SA, DC, GC

Collection Me	thod: Trawi	5, St, W, 6C	JE 8-3	10-17		
COLLECTION TIME		SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMEN	тѕ
1063	LDW17 -	RZ-SFØ65	220200	154	MALE	cought
	İ	1-SFØ66	206207	110	MALE	
		SFØ67	206207 707201	118	WALE	
		L SFØ68	202	102	INDETERM	
5 1119	LDW17 -	RZ-SF669	23335	490	MALE	l
	1	1-SFØ70	495	1488	FEMALE	1
9 1406	L'DWIT -	RIB-55+21 55/21	121	24	-	COOKERA
j	I	-55122	113	22		,
		-55123	116	22		
		-55124	113	20	-	
		-55125	135	32		
		-55126	96	14	-	
		-55127	115	20	_	
		-55128	118	24		
		-55129	108	20	-	
		-5513≠	95	16		
		- 55 131	106	3	_	1
V	1	-SS 132	107	16	_	4



Project Name: AOC3 FISH/ Crab TISSUE Location: Reach 132

Date: Field Crew Initials: KM, NM, TD

Target Species: ES, SF, SS, SA, DC, GC

COLLECTION TIME		SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS	
1 1406	LDWI7 -	- RIB-55133	93	12		COOLER
- 1	Ì	-55134	116	26	_	COOLER
		-55135	113	18	_	
		55136	106	16		4
					/	
		_//				

Project Name: AGC3 Fish/Crab Tissue Location: R2, R1

Field Crew Initials: My, AH Date: 8-31, 17

Target Species: DC, GC
Collection Method: Crab Trap

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
0838	LDW17-R2-D0005	184	893	male Cooler #14
0842	LDW17-R2-DC006	178	780	male, Cooler # 14
1218	LDWIT-R1-GC035	101	198	male missing front claw 4
1218	LDW17-R1-GC036	94	174	male
1227	LDW17-RI-GC037	98	196	male; missing front class
	√ √ GC038	98	197	male: missing front claw
1239	LDW17-RI-GC039	90	160	male; missing front claw;
	LDW17-R1-66040	106	241	male
V	LDW17-RI-6, CO41	90	173	male
V	LDW17-R1-GC042	98	204	male
1253	iDW17-R1-GC043	102	214	mule
1315	LDW17-R1-GC044	16	179	male
1315	LDW17-RI-GC045	90	14)	male; missing both from
_	GCOYL	95	165	male; missing front class
	GC047	104	219	male '
1	V GC048	106	271	male
1328	10W17-61-60053	92	188	male
V	V 4 6054	98	180	male

Project Name: AUC3 Fish/Crab Tissue
Date: 8-31.17

Location: RI

Field Crew Initials: MY, AH

Target Species: DC, GC

Collection Method: Crab Trap

COLLECTION TIME		SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Comments
1328	20W17-R1	1-GC055	98	206	Cracked Claw; barnach
1		GC056	109	267	male
V	V	6,057	96	172	male missing claw
1344	1	GC058	99	212	male'
_\	+ +	6059	98	223	male
1518		GC060	99	217	male
V		4061	98	206	male
1526		GC062	102	219	male
1530		6063	103	189	male i missing claus è
		6,004	103	227	male
		6065	105	258	male
1538		6,066	96	185	mele
1545		GC067	101	231	male
1549		GC068	99	181	male; missing 3 less
4	_ \  \ \ \ \	GC069	110	263	male; missing 3 legs male; missing small pinch
					, 52
					¥ .



Reach 1 Project Name: AOC3 FISH Orab TISSUE Location:

Field Crew Initials: KM, NM, TD Date: 083113

Target Species: FS, SF, SS, SA, DC, GC

Collection Method: Traw

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
#20	0845	UDW17-RI-GC026	103	218	Male COOLER
7170	ì	1 6C027	IDD	224	Male
	V	V & GC 678	ale	194	pale
Y21	0949	LDW 17- RI-GC029	95	190	Vale
+22	1017	LDUIT-RI-GC030	92	169	Male
+23	1042	LDW17-R1-GC031	111	265	Male
	4	V 4 6C03Z	100	205	Male
424	1121	DW17-RI-GC033	94	173	Male
中瓜	1156	LDW17-RI-GC034 W	(00)	177	Male
#20	1251	LDWIT-RI-GC BS 049	105	215	Male
	1	\$ \$ GC 050	96	175	vale
		BC051	100	212	male
	V	V V 60052	101	213	Male
#28	1347	VDW17-RI-60060 21	97	191	Male
	V	V 4 GCO61 5	93	163	Male
#20	0845	LDW17- RI-54002	296	344	Not determined
#24		LDW17-R1-54003	226	374	4
切	1042	LDW17- R1-5F071	396	766	Female V

change to GCO70 # GCO71 9/1/17

Location: Reach Project Name: AOC3 Fish/Crab Tissue Field Crew Initials: KM, NM, TD Date:

Target Species: ES, SF, SS, SA, DC, GC
Collection Method: Trawl

COLLECTION TIME	Sr	PECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Co	MMENTS
1042		1- SF-072	207	122	Male	COOLEL 12
1042	1 1	-SF073	715	126	Male	
		-SF 074	200 1999 96	108	Male	V .
0845	WWG-R	1-ES074	193	85		COOLER 10
1	1	-FS075	183	(de	Male	
		-ES076	172	56	pale	
		-FS077	174	64	Male	
		-B078	177	63	Male	
		-FS 079	179	55	Male	
		-ES 080	310	298	Male	
		-B081	269	212	Male	
		+E3082	241		Ferrale	
		-ES083	122	130	Male	
		-E3084	291	272	Temalo	
		-53085	201	90	Male	
		-E3086	250	136	Male	
		-53087	770	220	Female	-
V	W.	-F3088	282	206	Male	4

Project Name: ACC3 FISh/Crab Tissue Location: Reach 1

Date: 8.31.17 Field Crew Initials: KM, NM,TD

Target Species: ES, SF, SS, SA, DC, GC

Collection Method: Traw

Colle Tin			SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Co	MMENTS
DO ODI	45	VDW17-	RI-ES089	239	144	Male	COOLER 10
			1-ES090	243	144	Male	
			-B091	276	202	Male	· ·
			-ES09Z	284	238	Female	
			£5093	247	145	Male	
			-ES 094	254	158	Male	
			-ES 095	201	74	Male	
			1 - ES096	210	100	Male	
1	/	V	-E3097	231	130	Male	
4 09	49	WW17	-RI-ES098	260	176	Male	
		V	V - BOGG	206	90	Male	
3 10.	42	LDWI7	-FI - B100	103	194	Temale	
,	1	- V	V - B101	W 100	73	Male	
4 12	.51	DW17	- RI - ESIOZ	2702080	200	Male	
	İ	<u> </u>	- ES 103	22	i 14	Male	
			- E3104	190	78	Male	i N
	(		- ES 105	186	70	Male	
`	IJ	Ψ	W - ES106	187	lde	Male	A

Project Name: AOC3 FISh/Crab TISSUE Location:

Field Crew Initials: KM, NM, TD Date:

Target Species: ES, SF, SS, SA, DC, GC Collection Method: Traw

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Con	MMENTS
16	1251	WW (7- RI- ES107	189	68	Male	COOLER 108
W.	1326		349	440	Feinde	
		1 - ES109	274	230	Female	
_		- ES110	232	128	Male	
		V V - ES111	270	198	Male Male Male	
20	1347	LDW17-R1-ES112	191	78	Male	
	i	1-15113	194	80	Male	
_		-E3:114	187	72	Male	
_		-E3 115	179	56	Male	
		-E3 (16	278	248	Female	
		-13117	247	160	Male	
-		-ES 118	201	7003419D	Male	
		-E3119	299	340	Female	
		-B120	236	154	Female	
		-ES121	739	156	Male	
		-ES122	252	168		
1	//_	-E3123	232	142	Temale	
	W	- E3 124	2A .	146	) Jewale	V

Project Name: AOC3 Fish/Crab Tissue Location: Reach (

Date: 08317 Field Crew Initials: KM, NM, TD

Target Species: ES, SF, SS, SA, DC; GC

Collection Method: Trawi

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Comments
#20	0845	WW17-R1B -55137	114	14	COOLER 12 3
		- 1 -55138	106	16	( )
		-55139	93	10	
		-55140	96	8	
		-55141	116	24	
		-55142	111	18	
		-55143	113	18	
		-55144	106	16	
		-55145	104	16	
		-55146	103	14	
		-55147	97	12	
		-55148	113	20	
	1/	-55149	113	20	
	V	V -55150	96	12	
21	0949	LDW17-RIB - 58151	114	22	
		i - 1 - 58152	107	18	
		-55153	98	12	
	T	V -55154	118	22	1

Project Name: ACC3 FISh/Crab TISSUE Location: Reach

Field Crew Initials: KM, NM, TD Date: 08 31 17

Target Species: ES, SF, SS, SA, DC, GC

Collection Method: Traw

#21

C	COLLECTION TIME		SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Comments
( 0	949	LAWIT-R	113-55155	109	20	COOLER # 13
		1 -	-SS156	119	24	I BY
			-55157	127	28	
			-55158	107	16	
			-55159	(15	18	
			-SS160	93	12	
			-55161	118	24	
		1/	-SS16Z	110	20	
	4	Y	V -55163	110	18	
22	017	LDW17-R	-1B - SS164	118	22	
			1 -55165	100	14	
			-55166	95	12	
			-55167	106	14	
			-55168	104	16	
			-55169	103	14	
			-55170	104	12	
			-55171	127	34	
	$\checkmark$	<b>V</b>	V -55172	100	iЧ	

Project Name: ACC3 Fish/Crab Tissue Location: Reac

Date: 08 31 17 Field Crew Initials: KM, NM, TD

Target Species: ES, SF, SS, SA, DC, GC

Collection Method: Tmw

:	COLLECTION TIME		SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS	
#22	1017	LDW17-RI	3-55173	110	14	COOLER # 12 13	3
		-	-55174	107	16		
			-SS175	108	18		
			-55176	116	20		
			-55177	99	14		
		7	-55178	121	24		
			-55179	109	18		
	V	V V	-22180	119	22		
23	1042	LDWIT -RI	18122-4	99	12		
		-	-55182	116	16		
			-55183	98	14		
			-55184	103	16		
			-55185	99	14		
			-55186	100	16		
			-55187	10.2	18		
			-55188	96	14		
	1		-55189	117	24		
	V	V V	-55190	101	16	1	

Project Name: ACC3 Fish/ Class Tissue Location: Reach

Date: 083117 Field Crew Initials: KM, NM, TD

Target Species: ES, SF, SS, SA, DC, GC

Collection Method: Traw

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
23	1042	LDW17-RIA-S5191	102	16	cooler #13
		-   -55192	109	16	1
		-55193	106	22	
	-	V -55194	99	14	
24	1121	LDW17-RIA-55195	116	30	
		- 1-55196	120	18	
		-55197	112	22	
		-55198	112	20	
		-55199	94	10	
		-55200	105	14	
		-55201	118	26	
		-55202	120	26	
		-35203	98	10	
		-55204	126	30	
		-55205	106	14	
		-55 206	104	14	
	¥	V -55207	105	14	
w	1251	LDWT-RIA -55208	130	28	V

Project Name: AOC3 Fish/Crab Tissue

Location:

Reach

Date: 083| 17

Field Crew Initials:

KM, NM, TD

Target Species: ES, SF, SS, SA, DC, GC

Collection Method: Trawl

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
#26	1251	LDW17-RIA-SS209	93	8	cooler # 13
#27	1326	LDW17-RIA-SS 210	96	8	
		-   -35211	105	12	
	2	-55212	99	10	
		V -55213	105	12	
±28	1347	LDW17-RIA -55214	110	18	
		-   -55215	107	20	
		-55216	[11]	20	
		-SS 217	110	14	
		-88218	103	14	
		-55219	97	12	
		-SS 220	111	16	
		-55221	100	14	
		-55222	113	18	
		-55223	101	14	
		-55 224	115	20	
[		-55225	107	16	
	V	V -55 226	106	14	V

(10)

# TARGET SPECIES TALLY FORM

Project Name: ACC3 Fish/Crab Tissue Location: Reach

Date: 083117 Field Crew Initials: KM, KM, TD

Target Species: ES, SF, SS, SA, DC, GC

Collection Method: Trawl

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	COLLECTION TIME		SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
SS 228   120   22   - SS 229   112   14     - SS 230   96   12     18     - SS 231   107   18     - SS 232   94   8     - SS 233   111   20     - SS 235   105   12     - SS 236   120   22     - SS 237   95   10     - SS 238   109   14     - SS 239   105   14     - SS 239     - SS 239   105   14     - SS 239     - SS 239   105   14     - SS 239     SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239   - SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239     - SS 239   -	1347	LDW17-RI	A-SS227	102		
-SS 229 112 14 -SS 230 96 12 -SS 231 107 18 -SS 232 94 8 -SS 233 111 20 -SS 234 106 16 -SS 235 105 12 -SS 236 120 22 -SS 237 95 10 -SS 238 109 14 -SS 239 105 14						1
-SS 230 96 12 -SS 231 107 18 -SS 232 94 8 -SS 233 111 20 -SS 234 106 16 -SS 235 105 12 -SS 236 120 22 -SS 237 95 10 -SS 238 109 14 -SS 239 105 14			-SS 229			
-SS 231 107 18 -SS 232 94 8 -SS 233 111 20 -SS 234 106 16 -SS 235 105 12 -SS 236 120 22 -SS 237 95 10 -SS 238 109 14 -SS 239 105 14			-55230			
-SS 232 94 8 -SS 233 111 20 -SS 234 106 16 -SS 235 105 12 -SS 236 120 22 -SS 237 95 10 -SS 238 109 14 -SS 239 105 14			-SS 231	107		
- \$\S 234 \\ - \$\S 235 \\ - \$\S 235 \\ - \$\S 236 \\ - \$\S 237 \\ - \$\S 237 \\ - \$\S 238 \\ - \$\S 238 \\ - \$\S 239 \\ \]			-SS 232	94	8	
- \$\S234 \\ - \$\S235 \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				111	20	
-55235 105 12 -55236 120 22 -55237 95 10 -55238 109 14 -58239 105 14			-85234	106		
-SS236 120 22 -SS237 95 10 -SS238 109 14 -SS239 105 14			-22532			
-55238 /09 14 -58239 105 14			-SS236			
-53239 105 14			-55237	95	10	
			-55238	109	14	
V -58240 92 12			-53239	105	14	
		V	-58240	92	12	1

Project Name: AOC3 Fish Could Tissue

Field Crew Initials: MY, AH

Target Species: DC GC

Collection Method: Crab Trup

L'ab Trup	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	<b>W</b> EIGHT (g)	COMMENTS
CT32	1335	LDW17-RZ-GC080	92	178	male
CT33	1340	LDW17-RZ-GC081	93	170	male
1	- V	LDW17-RZ-GC082	98	192	
C735	1348	[DW17-RZ-DC008	174	654	male; missing onely male; missing oneclaw on male; missing one claw, but
1		IDW17-RZ-GC083	95	166	male missing one claw bas
4	V	LDW17-RZ-GC084	96	202	male
CT36	1358	LDW17-RZ-GC085	106	244	male
_\_	_√	LDW17-RZ-DL009	175	728	male
0739	1413	LDW17-R2-GC090	103	212	male
4		LDW17-R2-GC091	97	188	male
CT40	1419	LDW17-R2-GC093	102	222	male
C140	1100	LDW17-RZ-GC094	101	210	male
	+42tag	•			
		16			

Project Name: ACC3 Fish/Crab Tissue Location: Reach 132

Date: 09.01.17 Field Crew Initials: KM, JR,TD

Target Species: ES, SF, DC, GC, SS, SA

Collection Method: Trawl

//	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
29	0034	LDWN-RI-E5125	216	112	Male cooke#1
		1 -13126	227	138	Male
		-13/27		162	Female
		-E3 128	255 233	1A7_	Male
		- ES 129	212	110	Male Male
		-15130	223	130	Male
		-13131	223 247	IGA	Femo
		-13132	204	100 2237	Male
		-ES133	223	134	Male
		-ES134	217	128	Male Male
31	0949	DW17-RI- 5135	721	011	Male
33	1037	UN17-RI-ES136	353	616	Female
/-	Ì	1 1-13137	, 199	78	Male
		-ES (38	251	174	Male
		-ES139	252	180	Male
		-ES140	246	140	Male
		1 -15141	ZIA	87	Male
135	1155	UW17-RI-ESI42	280	209	Male

Project Name: AOC3 FISh/Crab Tissue Location: Reach 132

Date: 9.01.17 Field Crew Initials: KM, JR, TD

Target Species: ES SF, DC, GC, SS, SA
Collection Method: Trawl

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
35	1155	UDW17-RI-ES143	233	128	Male course
-		V -E3144	287	228	Male
-	itt	1 15145		102	
-	1153	LDW 17-R1-34004	216	122	Not determined
-		-SA005	246	180	
/	1155	VV -5A006	267	224	A A
9	0934		164	580	MATE COOLER 19
-	0054	LDW 17-RI-GCO72	161	198	MALE
-		-6000	99	198	MALE
-		-6C074 -GC075	101	216	MALE
/ -	-//		160	218	NACE
2	1037	WW17-RI-60076	90	192	MACE
6	1074	1 -00079		202	WALE
/ -		7 560 078	103	238	ME
φ	1305	DIVIT- R2-610860	Tr 1995	100	Mit
۲-	+/1/	1 61087		2016	MAGE
/  -	4	1 50088	105	214	MALE

Project Name: ACC3 Fish/Crab Tissue Location: Reach 13 2

Date: 9-01-17 Field Crew Initials: KM, JR, TD

Target Species: ES, SF, DC, GC, SS, SA

Collection Method: Train

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	Сомме	INTS
= 26	1305	VDW17-RZ-GC089.	97	178	MALE	COOLDEIS
¥ 38	1403	DW17-R2-GC092	93	156	MAKE	17
#36	1305	LDW13- RZ- ES145	364	536	FENALE	CCOLERI
437	1331	17W17- RZ- 13/46	231	136	MAIE	i
		- ES147	293	250	FEMALE	
		-E5148	262	198	MALE	-
-		- ES149	213	109	MALE	
		-ES150	360	448	FEMALE	
		-ESISI	274	224	FEMALE	
		-ES152	368	450	FEMALE	
-		-ES153	245	160	MALE	
-		-ES154	241	154	Female	1
		-ES 155 40th -ES 156 Actt				
		-E3 136 MM		/		
			1			/
			+/			

Project Name: ADC3 Fish Coals TBsue
Date: 9 5. 17

Location: R2

Field Crew Initials: MY, TD

Target Species: DC, GC
Collection Method: Crab Trup

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
T44	1204	LDW17-RZ-GC095	101	187	male COO
744	1411	LDW17-RZ-GC096	108	252	in ale
4		V 9 GC097	100	290	(my determedy classes 1
755	1426	LDW17-RZ-GC098	95	156	missing only; parnale onshel;
$\downarrow$		V 4 GC099	94	146	missing onely pornacle onshelf;
CIÉL	1433	GC100	98	176	male (
1	_ \	V GC101	98	174	male
CT57	1439	GC102	95	158	maie
J	V	¥ GC103.	97	171	male
TUZ	1522	V GC104	97	185	male
_				9	
L					
				- 6	



Project Name: POC3 FISh/Crab TISSUE Location: JA 3 2B Date: 8.29.1

Field Crew Initials: KM, NM, TD Collection Method: Trawi

OLLECTION TIME	OFECIES .	Count	COMMENTS
0914	Graceful crab. Staghorn swipin	87	87
	Staghorn Swipin	25	(18+4+2+1)
	Pile perch	4	(15+4+2+1)
	Pile perch Red roll was		
	Pacific cod	2.1	
	Anemore	341	
	snails	2	
	cockle	6	
	Shrimp		
	Gralish sole	4	
	SHAMY CIN DEC	56	(10+30+16)
	Stawy Flounder Shiner surfperen	(19 45(14+1)	74
	Pila ~ 11	- 3	(2+77 -30)
015	Pile pres	- 4	
	Slaver succ	63	30+33
	shines surpeven		70,76,88+1
	English sole shiner surperch braciful was Rock sole	7	,
	Dec Sole		1
	Pacific cod	14/1341	

ST LEAD TO

Hamy F1+(3)

### NON-TARGET SPECIES TALLY FORM

Project Name: ACC3 Fish/Crab Tissue

Location: 2A 3 7B

Date: 8.29.17

Field Crew Initials: KM, NM, TD

**Collection Method:** 

Trawl

OLLECTION TIME	SPECIES	Count	COMMENTS
	Jamy Clounder	(17)25	(6+7)+4
	snails	15	• )
	Shimp	6	(4+(+1)
	Staghorn Sculpin	6	
	coccles	2	
	Anemore	4127	
	Pile pevels	3	
	larafin smeit		
	P Henry	ì	
1100	Shiner suffered	33+8	=(41°)
	English sole	72	11+11
	Stanhorn Soulpin	9	
	Pacific cod	- 5	
	Longfin smelt	3	52
	Graciful coab		
	Starry abunder	8	
	Shrimp.	18	
	Anemore	į	

50

# NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: 2A 3 2B

Date: 8. 29.17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS	
1100	snail.			
1127	long fin smelt	14	ti (is)	
	Staghom Swipin	15		
	Starry flounder	32	HB (36) (36)	
	Shrimp	5		
	English sole		15	
/_	Graceful cras		***	
•	Shiner sufferely	9176	(90,30,56)	
1150	Shiner surfrevels	139	(31, 45, 57,11)	
	Starry Cloundle	19(26		
	long fin smett	16		
	Graceful wat			
	Staghorn sculpin	6	6	
	Pacific cod	2	7	
1/	Shirimp	7+1	9	
J	P. le pevel	Ĭ.		
1232	Pile perch	3	3	
1	Snake prickle back		ŤI	

+1 stilleback

Project Name: ACC3 Fish/Crab Tissue

Location: ZA 3 ZB

Date: 8 29 17

Field Crew Initials: KM, NM, TD

Collection Method: Traw \

COLLECTION TIME	SPECIES	Count	COMMENTS
1232	Starry florder Starry florder Shiner suffect Pacific cod Red rock coab	5	
	Starray Glander	2	
	shiner suffeel	孔	54, 18
	Pacific cod	Qi	
	Red rock wab		
	Graceful crabs	3	
	Snails	IT	
	Staghorn Sculpin	7,	
1	Shrimp	R-360	(6)
4	Counsting shing.	3	
1258	Graceful gab English sole	2	
	English sole	ID	(9)
	Shiner surf perch	37	
	Shrimp	8	
	snail	6	
	Looks cousing Shing	1	
	Anemore	- 1	
	Sla pen	l l	

#7

Project Name: ACC3 Crab/Fish fissue Location: ZA 3 28

Date: 8. 29.17 Field Crew Initials: km, NM, TD

Collection Method: Tyawl

Colli	ECTION TIME	SPECIES	Count	COMMENTS
3 13	18	Shiner surfrevely	27	
		Shiner surfrevell Graceful crab	23	
		Pacific cod Staghorn sculpin Stavry Plounder Snail	5	
ļ		Staghorn Sculpin	5	
ļ	1	Starry Clouder	6	
		3nail '	1+Oi	
		Kelp oval	2	
		The sevel	2	
		Grafish sole Shrimp	12	
		Shrimp	4	
,	V	Prickly swipm		
1 13	54	Pacific cod	70	
l		Stagham sculpin	8	
		Pile sevels Shirer sentperch		
		Shirer sufferen	126 (126)	
		fanalish sole	77	
		Starry flounder	27 25+3+18 =(4)	0)
		Graceful crab	6	

Project Name: AOC3 Fish/Crab Tissue	Location: $2A32B$
Date: 8/24/3	Field Crew Initials: KM, NM, TD
Collection Method: Trawl	

COLLECTION TIME	SPECIES	COUNT	COMMENTS
1354	Strings	16	
	Long for smelt	i	
	Snate stickle back	1	
Y	maily	1,	
1421	English sale	19 19	
	Stavy Doundan	57 +1	
	Sind surpuel	130	
	Coración crat-	6	
	Pacific god	2	
	Pile god		
	Stachon sculon	liZ	
	long in smelt	7	
	Shaws	19	

Project Name: Avc3 Fish/Crab Tissue Location: RZ

Date: 8-31.17

Field Crew Initials: My TR

Collection Method: Crab Trap

OLLECTION TIME	Species	Count	Course
1201	6C	/	COMMENTS
1208	GC		Barnacles on shell; cacm
1223	6, 0	/_	29 cm
1229		/	6900
	GC	3	One had abundant aut of paperacies;
1411	€C	1	69cm
1432	GC	j	e9 cin
			•

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### NON-TARGET SPECIES TALLY FORM

Project Name: ADC3 FISH/CONS TISSUE

Location: Reach 132

Date: 08.30.17

Field Crew Initials: KM, NM, 7D

Collection Method: TEAWL

#11

COLLECTION TIME	SPECIES	COUNT	COMMENTS
0850	Grace ful arab	28	
	Pile perch	18	
	Pacific cod	20	
	Shiner surfpech	87	52,35
	English sole	28	
	Starry flounder	5	
	Starry flounder Chinook salmon - juvenille Striped sea perch	i	Released alive
	Stiped sea perch	1	
	Aremone		3+1+1
-	Rock sole		
	Sea pen	11	
	longfin smet		(+1
	Staghon sculpin	87	
	Snaik	20	
	Shigmp.	10+1	
_	Moon sneil		
	Constripe shing.	6	
V	Herring		
	sea coduntral	1	
	Bull sculpin Smoothead sculpin	1	
	Smoothead sculpin	1.	

Project Name: ACC3 Fish/Crab Tissue

Location:

Date: 08/30/17

Field Crew Initials:

Collection Method: Trawl

COLLECTION T		Count	COMMENTS
0975	English sole	135	
	Starry flounder Staghorn swipn Strage suffersh Grauful your	30	
	Stagham swipn	15	
	Stither sufferely	732	233
	Graceful coal	18	
	rante wa	46	
	Longfin smeth Striped seapenels	43	
	Shiped surposely		
	Shinmp.	2	
	Pile perela Snails	2	
	Snais	3	
1003	English sole	12	6
	Story flounder	94	34 +55
	Stainy flounder Staghorn sculpin Shiner surperch	17	
	shiner suffered	250	
	Graceful comb	i	
	Pacific cod	24	*
	Longfin smett	i2	
	Pacific and Longfin smett Pile perel	1	
V	Shrmp	6	
	Herring	2_	

Project Name: ACC3 FISH/Crab TISSUE

Location: Reach

Date: 07.30.17

Field Crew Initials: KM, NM, TD

**Collection Method:** 

Trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS	
1034	DEUM - minimai caken; +	rawi rejected.		
1119	Pile pevels	21		
	Shiner surfperely	142		
	Pacific cod	13		
	Graciful coals	i3		
	Graciful coals	20		
	English side Starry Plounder	ZB		
	Starry flounder	3		
	cockes'	1		
	shrimp.	13		
	anemone	<b>E</b> 3		
	ROCK SOLE	2		
	Staglorn sculpin	7		
	smails.	<b>≨</b> 21		
	Henring			
	archin			
1147	Starry flourder English sole	53		
	English sole	55		

Project Name: ACC3 Fish/Crab Tissue

Date: 08.30.17

Field Crew Initials: KM NM -

Date: 08.30.17 Field Crew Initials: KM, NM, TD

	COLLECTION TIME	SPECIES	Count	COMMENTS
#16	1147	shiner swefperch	388	- Comments
	—— Í	to coal- grave ful	12	
Ι,		Dungeress crab- Snake prickleback Longfin smelt Paafi cod Pile perch Shrimp.		Female (116 mm)
		Snake prickleback	2	
		Longfin smelt	103	
1		Padfic cod	24	
-		Pile perch		
		Shrimp.	186	5)
		DIVALIS	6	
-		staglorn sculpin	iB	
-	1	Anemone		
#17_	1256	Starry flowder Shiner sufferely	143	
-		Shines sufferely	220	
-		Staghen sulpin  Pile puch Longfin Smett Grauful Wab  Shring Smeothhead sculpin	50	
-		Pile puch	( )	
-		longfin Smett	25	
-		Grauful was	5	
	4	Shring	25	

Project Name: ACC3 Fish/Crab Tissue Location:

08:30.17 Date: Field Crew Initials: KM, NM, TP

Collection Method: Trawl

	COLLECTION TIME	SPECIES	COMMENTS			
7	1256	English sole	57			
L		English sole Anemone	(			
Z	1324	Shirar sufpreh English sole Pile serch Pac. Cod	73			
Ĺ	- 1	English sole	4			
-		Pile perch	(1			
-		Pac. Cod	6			
-		Graveful coab Snake pricklebuik Staghorn sculpin Shrimp	10			
		Snake pricklebuik	1			
-		Stagham Sculpin	12			
1		Shring	14			
-		snail1	13			
-		anemone				
		tunicate				
-		Starry flounder Blackclawed coab (L. bellus)	4			
-						
7-	1400	Anemone	13	13		
L		Rock sole Starry flounder	2			
		Starry Clouder	#17	2		

Project Name: ACC3 Fish/ Crab Tissue	Location:	Reach	132
--------------------------------------	-----------	-------	-----

Date: Field Crew Initials: XM, NM, TD

Collection Method: Trawl

COLLECTION TIME	SPECIES	Count	Comments
1400	Staghorn sculpin	36	Oddinicatio
	Pacific cod	12	
	Longfin smelt Shiner sufferen Grauful wab Henring	62	
	Shiner sufferely	4	101
	Grauful wab	4	
	Henring		
	Urchin	2	
	rile Tevels	2	
	Shrimp Pardalus	8	
	Coonstripe stripe	11	
	Cancer oregonersis (pygmy roce was)	_ \	
	Gralish sole	_11	
	Scalybead sculpin	i	

#19

Project Name: AOC3 Fish/Crab Tissue Location: RZ

Date: 8-31-17 Field Crew Initials: My, AH

Date: 8-31-17
Collection Method: Crab Trap

COLLECTION TIME	Species	Count	COMMENTS
1218	GC	1	Female: 69cm
1227	6 C	3	Female; 69cm 2 female; 1 male (29cm) female; parnacles
1239	G C	$\tilde{I}$	female; par nacles
1253	GC	1	female; parnacles, algae onshell
1302	GC		Rmale, parnacles
1302	RC	2	both fimale
1315	GC	5	female (all)
1315	GC	2	male; L 9 cm
1328	GC	2	I male 49 cm; I female
1344	GC	j	female )
1344	RC	2	both fimale
1357	RC	4	male
1357	RC	3	Remale
1404	RC	4	male
1458	GC	2	male; one missing claws other missing clause
1504	GC	1	male; one missing claws other missing clause female; harnades; hole in shall
1512	G C	3	female; all w/ barnacles; one missing claw
1518	6C	1	male < 9 cm

Project Name: AOC3 Fish/ Crab Tissue Location: R/

Date: 8.31.17 Field Crew Initials: My AH

Collection Method: Crab Trap

COLLECTION TIME	Species	Count	COMMENTS
1526	GC	1	male e 9cm
1530	GC RC	(	Emale
1545	RC	2	both male.
1549	RC	2	inale 69cm female both male both male



Project Name: ACC3 Fish/Crab Tissue Location: Reach 132

08.31.17 Date: Field Crew Initials:  $\swarrow$ M, NM, TO

Collection Method: Trawl

	COLLECTION TIME	SPECIES	Count	COMMENTS
#20	0045	Red rock was	lo	HT 1
		Anemone	260	B+8+4+6
13/8/P		Sea star	2	11
5/3)		Graciful crab	32	31 +1
< - ` ·		Shirer sufperely	104	40+54+1820
	V	Pacific cod	5	3+1+1
		Staghan Swipm	13	
		longfor smelt	85	
		English sole	6	
		Shad		1
		Pile perch Rock 50le	9	g+
			I	
		Shrimp	30	29+1
		Cancer oregoneness (pygmy rock wat)	·	<b>\</b>
		Kelp arab	1	1

48

Project Name: ACC3 Fish/Crab Tissue

Location: Reach 132

Date: 08.31.17

Field Crew Initials: Km, Nm, TD

Collection Method: Traw

#21	
ES 2 60 13 55 13	
#IL 6617 5517	

COLLECTION TIME	SPECIES	Count	COMMENTS
0949	Starry flounder	6	
	Grace Ful ovas	6	
	Pile perch	2	
	Roughback swipin		
	raafic cod	Z	
	Staghorn sculpin	2	
V	artilish sale	es se	
1017	Rock sole		
	Smails	6	
	hermit crab	2	
	Stavry Clouder	t	
	Shrimp	3	
	Shines suffreh	4	
	graceful crab	THE STATE OF THE S	
-/-	Stagham sculpin	L.	
- V	Roughack Sculpin		
174			

Project Name: AOC3 Fish/Crab Tissue Location: Reach 132

Date: 08.31.17 Field Crew Initials: KM, NM, TD

Collection Method: Trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS
COLLECTION TIME	Shrip	108	18+90
4	graveful crob starry flounder	25	首+23
,	sarry flounder	7	
	pacific cod	4	11/1
	Shamp		186
	Stanp Longfin smelt Anemone English sole Pile perch Cancer oregonersis Staghern sculpin English so Decorptor coals Evacifii cras	8	
	Anemone		
	English sole	4	
	Pile perch	i	1
	Canier oregonersis		
	Staylorn Sculpin	2	
<b>V</b>	Englished Decorator civals		
1121	Evaleti cras	19	6+13
	Shringh	79	
	Henring	- 1	
	Aneutre	23	2+1
	Snake prickleback Buffalo sculpin		
	Buffalo Sculpin		



Project Name: AOC3 FISH/Crab TISSUE

Location: Reach 132

Date: 08.31.17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

地外	COLLECTION TIME	SPECIES	COUNT	Comments
13	# 1121	Pacific cod Pile Resen	5	3+1
,\		Pile Reselv		i
12		Staghan Silpin	6	E2,
		starry flounder	1	
		longfin snelt Shower surpren	1	
	4	Shower surpreh		
松石	1155	Shring Gray	286	47-139
i		Evalent and	9	6+2+1
\		Staylion sculpin	3	
		Orexonia gracilis	5	3 +2
		Staglarn sculpin Orecomin gracilis Pock sole Roughback sculpin	65	3-11-1-
		Kough ball Sculpin		1
		Pacific cod		
}		Sylish sale	1	i
		DIACE TO PURCHE		
1		Sylish side  Black tip peacher  Longfin smeet  Snoke prickleback  Shrimp	3	
أبرسل	1251	Suine modulate	221	Title 20 21 100
I ly	10)	WIN INCP	256	15+85+70 +210 440

Project Name: ACC3 Fish/ Crab Tissue Location: Reach 132

Date: 08.31.17 Field Crew Initials: KM, NM, TD

Collection Method: Traw

	COLLECTION TIME	SPECIES	Count	COMMENTS
26	1251	Anemore	8	8+
		Pacific cod	11	3+2+4+7
X KV		Staghorn Sculpin	4	4+
KV		Rock sole	7	4+2+1
	V	Graceful crab	19	12+4++++
ļ		Red rock coal-		
		Utchin	2	j+(
		Hermit ands	Ì	
		Devator into	/ / /	10+1
		Shiner surfach		
,		longer smelt		
		Rovalback Sculpin		1
127	1326	Kočk sole	12	
ik -		racifie cod	4	4
X ØK		Grauful and	23	23
7		Staylorn Sculpin	3	7
1	1	Shiver sufperen		
	Ψ	lyre coab	•	
	V _	Boden Sole	1	- 76

Project Name: ACC3 Fish/Crab Hissue Location: Reach 132

Date: 8.31.17 Field Crew Initials: KM, NM, TD

Collection Method: +raw1

COLLECTION TIME	SPECIES	COUNT	COMMENTS
1326	Decorator was	3	
	Shrimp	2	
	longfin smelt	i	
	starry flounder English sole		
V	English sole	1	
1347	Shrimp Starny flounder Shalle prickle back English sole Roughback Sculpin Staghorn soulpin		8-12+2
	Harry Clounder	5	
	Smile prickle back	(	
	English sole		按9+
	Roughback Sculpin	6	
	Staghorn soulpin	(0)	
	Lod Sile	15	
	Sand Sole < 20 cm	-	
1/	Sand Sole < 20 cm Live and Decorator and	8	
A	Decorator creb	9	

Date: 9 11-100 9.1.17
Collection Method: Crub Trap Location: R /

Field Crew Initials: MY, AH

Crap Trap 10	COLLECTION TIME	SPECIES	Count	COMMENTS
CT25	0837	GC	i	missing cluw à 4 legs, se male male, no claus
		GC	1	male no clause
C133	1340	GC	Z	Female
4	1340 1422 1426	GC.	1	male; e9 cm female; missing beth Claws mule; e9 cm
CT40	1422	GC	1	female: missing beta Claus
CTYI	1426	GC	1	mule; egen
		- Wey		
			, ř	
				V
	5			

Project Name: ACC3 Fish/Crab Tissue Location: Reach 132

Date: 09.01.17 Field Crew Initials: KM, JR, TD

Collection Method: Traw

#29

COLLECTION TIME	SPECIES	Count	Comments
0834	Shiner surfacely	38	
i	Evaciful aval	102	40+42+19+1
	Tunicate	2	
	Nudibranch Grmina)	2	
	Vactor	13	
	Staylon sulph	b	
	Staghon sculpin Roughback Sculpin Shiping. Stagn Cloudes	1+3+4	
	Shrimp.	14	
	Starry Clounder	3	
	Lewith	4	
	Jenning Bongin smelt Tynicate	3	
	Tunicate	Z	
	Coccle	Ĭ	
	Hermit coolb		
	English sole	is	
	Lyre was	9	
	English sole Lyre coab Kelp		
	Orelphia	14	
1	Rock sole	11	(6)
	Padded Swlpn	1	

Project Name: ACC3 Fish/Crab Tissue

Location: Reach 132

Date: 9 1 17

Field Crew Initials: KM, JR, TD

Collection Method: haw)

COLLECTION TIME	O. LOILO	COUNT	COMMENTS
NO C	MICH		
0948	Staghorn Sculpin Shiner surfperch Grauful crat Henring Starry Claunder	2	
	Shiner surficiely i	94	44+2+1+2
	Graceful oral-	23	21+2
	Hearing	6	2+4
	Starry Flounder	2+1	
	Aremone	_1	1
	Sea cuc. Parastichings californico		1
	Pile pavel. Rough back sculpin		l l
	Rough back sculpin	2	
	Poacher		
	Nudibrarch (striped)	ĵ	2
	Nudibranch (omped)	1	
	Shimp	3	1
	Kelp coal	1	
	Overonia crob	9	
/	English sole	8	
V	Rock sole Nudibranch - Dovid	5	

ES.1

Project Name: AOC3 Fish (Grab Tissue Location: Reach 132

Date: Field Crew Initials: KM, TR, TD

Collection Method: 9.1.17 Traus

COLLECTION		COUNT	COMMENTS
1013	graeful coab	1	
- V	gracful coab	2	
4	Erre wat		
3 1037	Henry	2	1+1 26+7+1+1
	Pacific cod	35	26+7+1+1
	graveful coal	52	52
	starry Gounder	\	
	starry Clouder shiner surfpreh	34	42+36+20+4
	Anemore	3	3
	Red rock wal-		
	Stagham sculpin	5	5
	Oregonia codo	6	54
	Oregonia andb Lyne andb	14	14
	Kelp ever	2	<del>     </del>
	Buffalo Sculpin	· · · · · · · · · · · · · · · · · · ·	
	Borylbade Sculpin	6	6
	Shinp	7	3+4
	Striped nuclibrach	1 2	
	Suffalo Sculpin  Boughback Sculpin  Shing p  Striped nuclibrad  Ruck sole	家中	6+8
	English.	20	9+11
	(000) L	1	
1/	English Cockle wehin Tunicate		
V	Thist		
	unicase	/	

Project Name: ACC3 Fish/Crab Tissue Location: Reach 132

Field Crew Initials: KM, TR, TD Date:

Collection Method: Traw

COLLECTION TIME		SPECIES	Count	COMMENTS
11	16	rock sole	2	2
	Ì	Starry Gounder	25	28
		Graceful out	19	19
(0)		Pacific and	2	2
		Starry Counter  Starry Counter  Evaceful crat  Pacific cod  Shiner sufferely  (1018 De	20	14+5+1
		Cockle	(	1
		Stathom Sculpin	7	· <del>2</del>
		Pile perch		1
		Cockle Staghorn sculpn Pile perch Henring	3	7+1
		Shring. Longen smelt Hermit coal	16	
		longen smelt	Z	2+2+2
		Hermit oral		
		English sale	7	7
	12	Urchin	(	
	4	Snalle prickleback		
1	155	Snake prickleback Starry Clounder Shiner sunfpends Pacific cod	20	53+12+5 50+23+2 5+3
		Shiner sunfranch	75	50+23+2
	Y	Pacific wod	8	513

Project Name: AOC3 Fish/Crab Hissue Location: Reach 1 32

Date: 91.17 Field Crew Initials: KM, TR TD

Collection Method: Frawl

COLLECTION TIME	SPECIES	Count	COMMENTS
1155	Henring Longfor smelt	8	
. %	Longful smelt	32	4-14 25-16-4
	Pile pevel Graveful crab Staghorn sulpin Longfin smelt		l l
	Evaleful avalo	5	5
	Staghorn Sulpin	27	20-7
	longin smelt	8	6+2
	Hermit Crab		l l
	Shrimp	12	12
	Shrimp English sole Widibranch	35	35
			<u> </u>
	Rough back sculpin	3	3
-/	Relp Crab		
1305	Cod offer	8	4
1303	21 sur pevel	91	Q+10+12+3
	A washing	14	11-1+1
	Grace Clack		0 17
$\forall$	Kovýh back sculpin Kelp crab Rock sple Shiner suf pavel Pile peveln Anemore Graceful crab Staghorn sculpin	10	9+2
	- Sec. Pin	- B	17+1

Project Name: ACC3 FISH Grab TISSUR Location: Reach 132

Date: Field Crew Initials: KM, JR,TD

Collection Method: 9.1.17 Trawl

	COLLECTION TIME	SPECIES	COUNT	COMMENTS
#36	1305	Pacific cod	8	9
10	1	Stains Clounder	10	7+2+1
(24)	\\	snake prickleback	Į.	
25		Rock sole	1	
× /		Gralish sole	77	77
	7	Sinjup	21	2(
	J/	Snails'	13	13
#37	1331	Shiner surfperel	150	40+85+(+22+2
		Pile puel- Pacific cod	4	3+1
5-9		Pacific wd	24	13+7+2+1+1
0,		Starry Counder	27	20+5+7
		Englishede Herring	137	40+40+57
		thank and Herring	- 1	(
		Graceful crab	24	14+9+1
		Premore	1	ì
		Longin smeet	13	2+1
-		Rocciole		
		Rockede Staghom Sculpin	48	48
	1/	Hermit wals	12	8+4
		SLIMP	17	11+1+1+2+2
	Ÿ		į	
	- 1/	Sea Pen H. Oregonensk crab Prickly sculpin	(	
	Y	n. Oreginns com	-7 -7	
	950	Property Sculpin	3	3

Project Name: Acca Fish (rab Tissue Location: Reach 132

Date: Field Crew Initials: KM, JR, TD

Collection Method: 91,17 Traw

COLLECTION TIME	SPECIES	COUNT	COMMENTS
1403	Starry Clounds	4	1+3
. 1	Starry flounds- Pile puch Cockle	Z	Z
	Cockle	i	(
	Grayful coal	3	3
	Grauful cod Snake prickliback	(	(
	Pacific cod English sole Shiner surfach	ン	7
	English sole	10	1+9
	Shiner surface	31	30+1
- Bo	Starpefterniter Henry	4	4
	Smeld (longin) Hermit was Gastroped		
	Hermit was Gastroped	7	6+1
	Stage	2	Z
-1/-	H. oregonensis wat	ii	1
V	H. oregonensis was		l .

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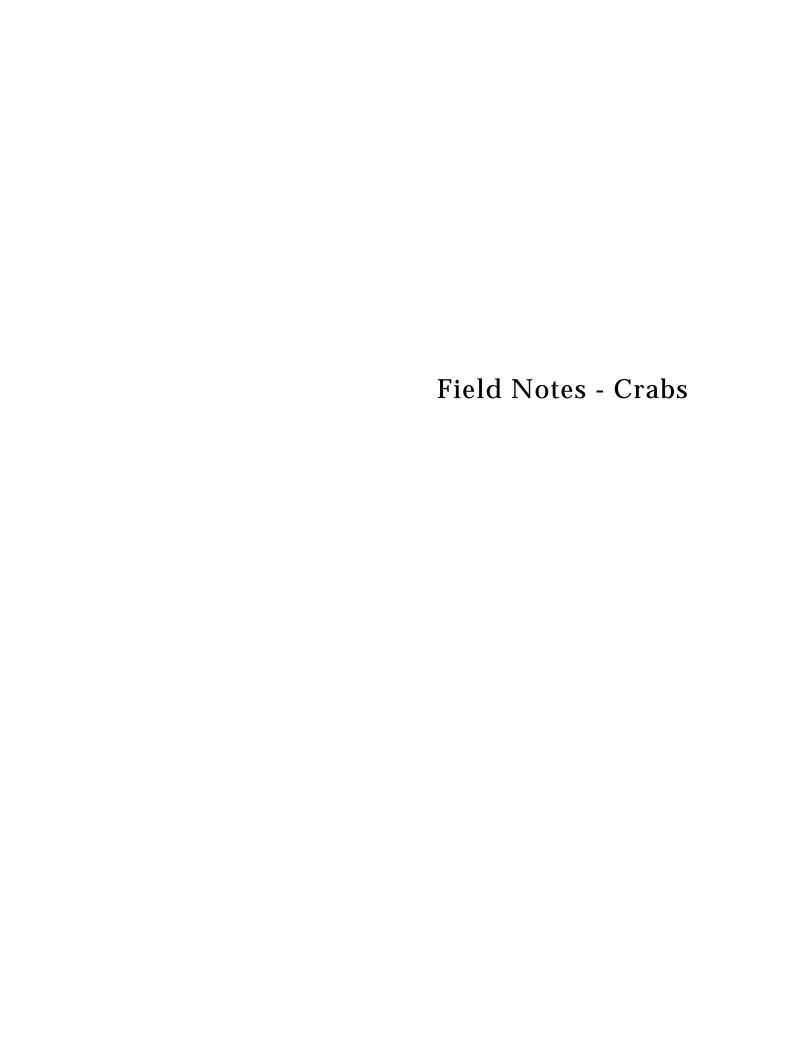
Project Name: ADC3 Fish/Crab Tissue Location: R2

Date: 9.5.17 Field Crew Initials: MY, TD

Collection Method: Crass Trup

CT56

COLLECTION TIME	SPECIES	COUNT	COMMENTS
1433	GC		male; < 9cm
			`



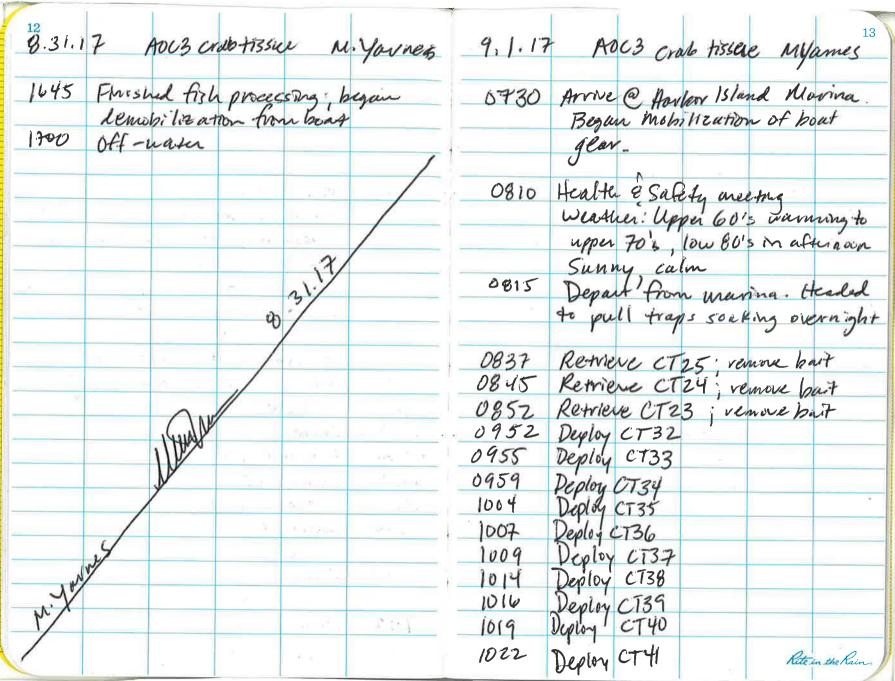
8.24 17 AdC3 Crabsampling No. Yarnes 8.29.17 ADC 3 Crab Sampling M. Yarnes Arrive @ Harbor Island Marria 1152 Retrieve Crab Trap 1 Weather: Surary, hazy, calin 1154 Redeploy Crab Trup 1 70's warining into mid 80's 1157 Remere Crab Trap2 Crew: John Schader Pete Jenkins, 1158 Redeploy UT2 Ched Furulie for Gravity 1202 Retrieve CT3 Remy Mathomet trom Clear way Redeploy CT3 1203 Mike Yarnes and Jenna Rhenber 1207 Retnere CT4 trom Windnesd 1208 Redeploy CT4 8800 Mobilized gear onto beat 1212 Retriew CT5 Redeploy CT5 1212 Health & Safety meeting 1220 Retrieve CT6 Depart from marina for Reach 2 1220 Redeploy CTG 0905 Deploy Trup 1 1223 Retneve CT7 0912 Deploy Crab Trap 2 1224 Redeploy OT7 0923 Depley Crah Trap 3 Retrieve and vedeplay CT8 1229 0928 Deploy Crab Trap 4 1232 Remieve CT9 0933 Deploy Crap Trap 5 Redeploy CTg 1233 0940 Deploy Crab Traple letrieve and redeptoy CTID; head 1237 0944 Deploy Crub Trap 7 toward 5. Park Marine to check 0949 Deploy Crab Trap 8 fassive sampler trap 0952 Deploy Crab Trap9 1245 Checked Passive Sampler trup 0957 Deplin Crab Tray 10 near S. Pane bridge, I worked good 1015 Arrive C.S. Park Marina 1315 Cheeked passive sumpler trap Depart from 5. Paris Marina Just W/downstream of 18t And Bridge; OK

8-29 17 AOC3 Crab Sampling 8.30-17 ADC 3 Crab Sampling M. yarnes M. Yarres 1354 1345M) Retrieve CTI, remove but Arrive @ Harber Island Marina 1408 Retrieve CTZ vernove bart weather: Overcast, low to mid 60's 1417 Remove CT3 remove bait varining interned 70's 1424 Ketrieve CTY, remove buit wind 5-10 inph 1430 Crew: Windward -> mike yearnes and Remeix CT5, vemore bait Remere CTG, remove bait 1435 Jenna Rhenber 1440 Retrieve CT7; vemove bait Graving to Chad Fursilie and 1445 Remove CT8; remove bait Ed Slean 1450 Retrieve CT9; remove bait Clearney & Romy Mathonnet 1454 Retrieve CTIO; remove pait; headed back to Harbor Island Marina 0800 Mobilized gear into Granty beat Arrive C Harbor Island Marina to Health and Safety meeting 0810 whoat equipment à help process on Depart from waring for Reach 2 0878 fish boat 0858 Deploy OT (erab trup) 11 Finished processing, off-mader 1915 0902 Deploy CT12 Finishal demobilitation & prepping 1945 0906 Deploy CT13 to-tomorrow. 0912 Peploy CT14 0918 Deploy CT15 0922 Deploy CTIE 0928 8-29.17 Muy A Deploy CTI7 0933 Deploy CTIS 0938 Veploy CTI 0941 Deploy CT20 0945 Began patroling trap locations Run

8.30.17 AOC3 Crab Samping 2.30. (7 AOC3 Crab Samping M. Yarnes m-yarnes 1030 Headed to Harber Island Marine 1313 Deploy ET21; moving to dock for boothroom lanch break and take millimoon break at Arrive @ Harber Island Morna 1110 South Park Marina 1120 Depart from Harbor Island Maine 1325 Arrive & South Park Marina to vetreere traps 1400 Depart from South Park Marina 1201 Retrieve GTII for CTII 1203 Redeplay CTII 144(1) 1208 Retrieve CT12 1411 Reviewe CTII 1212 Redeploy CT12 1413 Redeplay CTIL, SOUR over might 1217 Retrieve CT13 1417 Retrieve CT12; remove bat and 1218 Redeplay cT13 1420 Redeptoy CTIZ; SOAK overing ht 1424 Remiere CTIZ 1223 Retrieve CT14 1227 Redeploy CT14 1427 Redeploy CT13; Soak overnight 1229 Remeve CT15 1432 Retrieve CT14 remove part 1232 Redepley CT15 1435 Retrieve CT15; remove but 1236 Remede CTI6 1439 Review CT16 remove bart 1445 Remiere CTI7; remove bait 1237 Redepty CTIE 1450 Remere CT18; remove buit 1242 RETrieve CTIZ 1243 Redeplay CTI7 1453 Remere CT19; remove Dait 1248 Remeve CT18 1513 Retrieve CT21; remove bait 1249 Relepton CT18 1515 Headed buck to therour Island Marina 1253 Represe CT19 and redeploy CT19 1548 AVIVE C South Por Husber Island 1255 Retrieve CT20; moving 6720 to new Marina, demobilization of crab location downstream boat & help process on fis herbourten

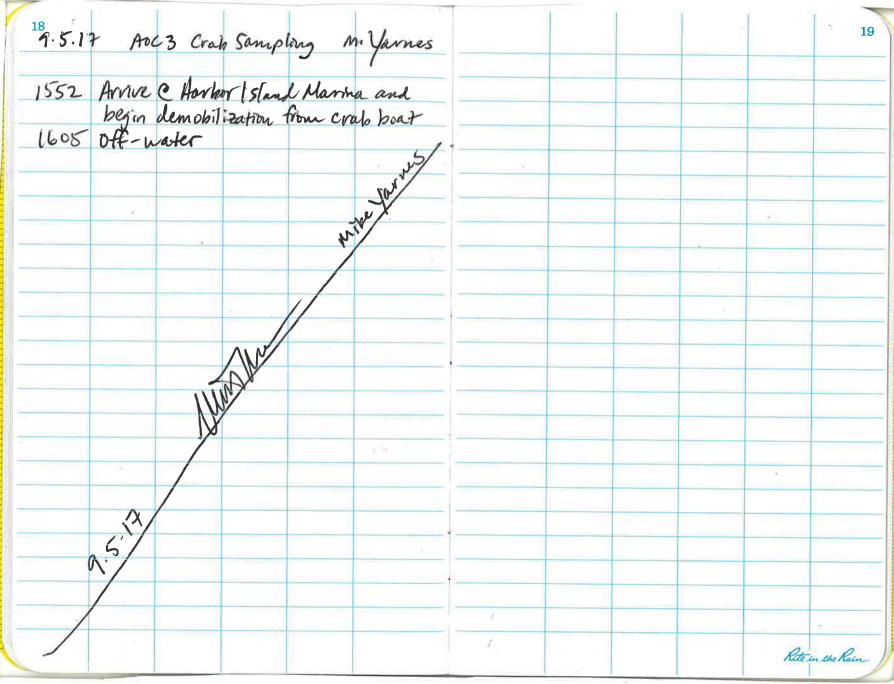
8.30.17 AoC3 Crab Sumpling M. Yarnes AUC3 Conto Sampling myounes 8.31.17 1645 Finished processing; off-waver Arrive @ Harbor Island Marin; Began mobilizing boat gear (ren) +750mg Health & Salety meeting 0815 1715 Finothed demohitzation process 0820 Depart From Hawhor Island Marrie Weather: Overast, low 60s, culm Clearing in affer noon into mid 70% Crew Undward - Mike Yames Alby Hawley Granty - El Sloan, Mile Duttield Cleaning - Remy Mathoneret Remere CTII 0842 Restruc CTIL 0845 Ketrieve CT13 Spoke with Susie Mu Groddy; Mistructule to move into Reach I to begin trapping effort in order to assess population on Reach 1. Brothy Traps along the way 0921 Deploy CT 22 0928 Deploy CT23 0935 Deploy CT24 0941 Deploy CT25 Rite in the Rain.

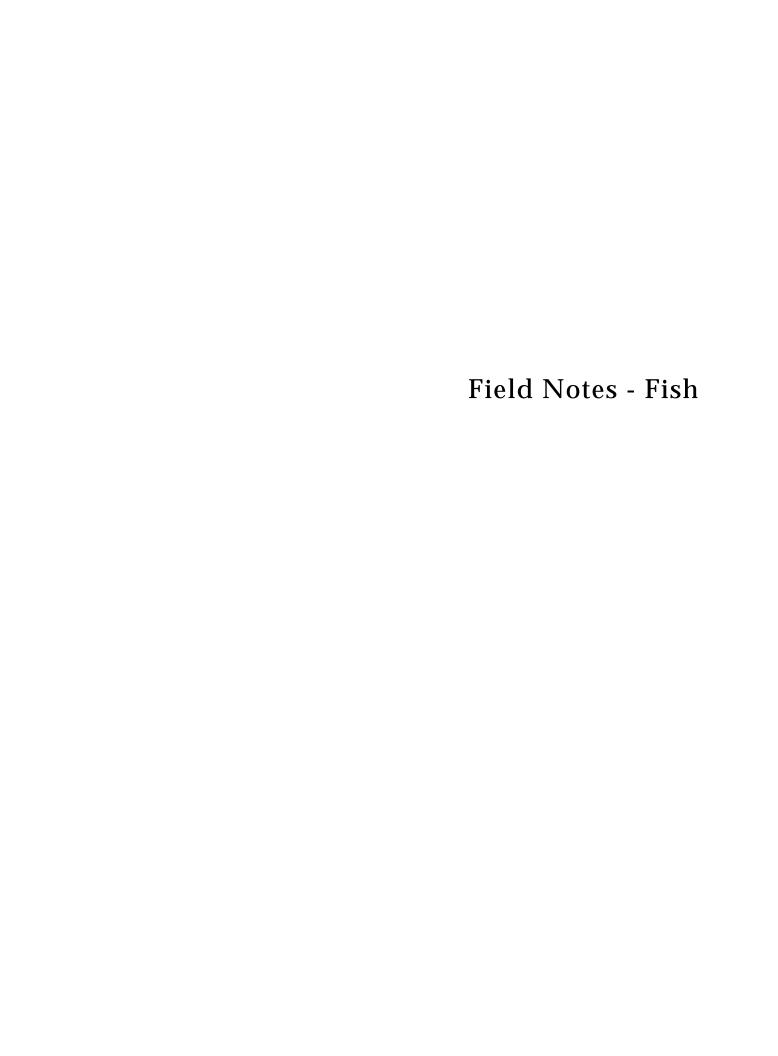
10 P.31.1	7 Acc 3 Crab Sampling Myarnes	8.31.17	Aoi 3 Crab Sampling myarnes
0950	Deploy CT26	135.7	
0959	Deploy CT27	1401	Retrieve CT30
1005	Peploy CT28	1404	Redeploy CT30
1016	Deploy CT29		Retrieve CT31
1024		1407	
1027		1410	Headed to Harbor Island Morma
1030		ulas	for bathroom break
	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	1430	Depart from Marina for CT22
1218	Retribers CT22	1454	Retrieve CTZZ; remove but
1223	Redeploy CTZZ	1450	Kedeploy CTZZ (m)
1227	Retrieve CT23	1458	Retrieve CT23
1230	Redeploy CT23	1459	Redeploy CT23, overnight socie
1239	Retrieve CT24		Remeve CT24
1246	Did als (to V	1506	Redeploy CT24; Overnight soak
1253	Rideplay CT24	1512	premiere CT25
The state of the s	Retrieve CT25	1513	Redeploy CT25 jovernight soak
1302	Redeploy CT25	1518	Remiere CTZ6; remove buit
	Remaie CT26	1526	Retrieve CT27; remove buit
1304	Redeploy CTZG	1530	Kethere CT28; remove batt
	Remieve CT27	1538	Retrieve CT29, remove bait
/320	Redeploy CT27	1545	Retneve CT30, remove but
00-	Remieve CT28		Remere CT31; remove bait
	Redeploy CT28		Healed back to Harber Island Marina
1344	Retrieva CT29	1555	Arrive CHIM and begin assisting
1350	Rideplay CT29	·	fish processing boat. Retein the Rain.



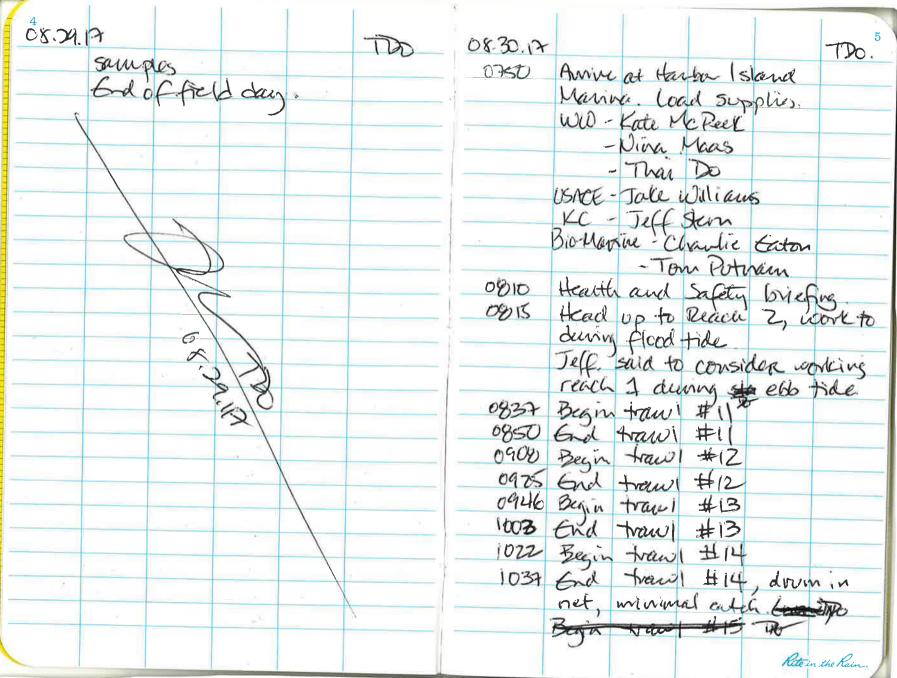
9.1.17 Aoc3 Cras Sampling M. Yarnes	4.5.17	A0C3	Crab !	Sampling	m.y.	arnes
1030 Hended to marine for limel/bathroom.	0700	Arrive	c Han	por Isla	rd Mar	
preak	0710	il il	e brat	sear	0	
1315 Headed to CT3Z; depart from marin	8715		& Safet		Reach T	,
1335 Remove CT32, remove bast	0 / 10	7.771 TO 10	location			
1340 Remere CT33; remove bait					calm li	n 701
1345 Retrieve CT34; vemove pait			Hish	s in the	low 90's	today
1348 Retwere CT35; remove buit	*			,		-//
1358 Ketnieux CT36; remode bait		Crew: 1	Midward	: Thai	Do, Mike	yanns
1408 Retrieve CT37; remove part		Grav.	my - Jeff	e Wilson	, Chad	Fundie
1413 Ketnere FF remove buit		Clear	ively -b	Remy 1	Vathonne	et
1919 REMIEVE C138, remove bast			, f <sub>-</sub>	3 (2)	11 = 1	
1912 Retrieve CT40; vemove buit	0746	Deploy	CT4	2		
1966 Retrieve CT41; remove bart	6749		0743		. 4.30	
1930 Upart for Harbor Island Murina	0753	Deploy		A SITE		Lar.
1445 Arrive @ Harbor Island Marine and	0756		CT45	ή- 1		
Degin assisting processing on fish boot	0759	Deploy		1.1		
1615 Finished processing; began demobilization	0806	Deploy	CT47			1
of supplies samples from tish boat		Deploy		(3)		
1630 OF-water		Deploy		0		15 -
1000/11/13	0822		CT 50	*		
m. Janus MONNe 9:1:17	0833		C151			-
m. L	0845	Passi	e Suny	ner (1	looks go	ed
	0905	Passive	Sampl	er 21	ooks go	adic Rain.

9.5.17 A003 evals sampling myarnes 9.5.17 Aoe3 crap sampling M. Jarnes Arrive @ Harlow Island Murina for lunch 1000 1010 Received call from Susia McGraddy; 1255 Deploy CT#59 we have been instructed to target 1304 Remove CTHII; check in with office navigation channel when redeploying 1308 Deploy CT60 traps for second soak of the day. Based on call to office, we will be 1310 society traps overnight if remaining 1125 Depart from Harbor Bland Marina cvab numbers are not met. 1154 Rapiere CT42 1402 Remere CT52 1156 Deploy CT52 1407 Deploy CTG1; udded buit 1159 Retrier CT43 1408 Retrieve CT53 1201 Deploy CT53. 1410 Deploy CT62; added bait 1204 Refrienc T44
1207 Redeploy TTSD CT44 1411 Remeve city 1419 Deploy CT63; added baix 1215 Deploy CTSH (M) 1422 Retrieve CT54 12+818 Remeve CT45 -01210 1424 Deploy CT54; added pair DECIPAL DUPLOY CTS (M) CTS4 +01215 Retrieve CT55; remove buit 1426 1285 MURLINEUR CTH -0 1218 1433 Remiere CT56; vernove burt 1220 Deploy CT55 1439 Retrieve CT57; vemove bait Remove CT47 Retrieve CT58; remove bait 1444 1227 Peploy CT56 1447 Retrieve (T59; remove bait 1242 Deploy CTS PRETILE 48 1455 1511 500 Retrieve CT60; remove but 1243 deploy 0757 Remove cts4, remove bait 1248 Retrieve cTyg 1515 Retrieve CT63; remove buit Retrieve CT62; remove buit 1250 Deploy CT58 1522 1252 Review CT50 1525 Head back to Harbor Island Mayoner





08.29.17	T.Do.	08. 29.17
0745	Arrive at Harbor Bland Marine A doct	
	WW_	1127 End trawit # 4 5
	Kate Mc Peex	1140 Begin trawi#5 22B
	Nina Maas	150 End travits 525
	This Do.	1210 Lunch Greak
	sunny; forecast hi 70s - low 80's	1226 Begin traw1# 6 32
0000	Meer up with Bio Manne	1732 and travi # 6 3
	Charlie Eator & Tom Putnam	1250 Begin +raw 1 # 7 } Z
	2/V Kittinake & Jake Williams	1258 End Naw 1 #7 5
0805	wand up supplies/egpt. (USACE)	1307 Bean traw # 8 7 3
0810	Rob Fritz - (Clearways) arrives	1258 End Naw 1 #7 3 1307 Begin traw 1 #8 32 1318 End traw 1 #8 32
086	Jeff Skin (KC) awives; conduct	1336 Begin fraul #9 72
	Houth of Safety briefing	1354 End traw 1 #9 5
0835	Depart warna, head to Reach	1404 Begin travi # 10 32
	2 to begin trawls.	1421 End fram #10 5
0905	Arrive at Reach Z, begin setting	1436 Head back to marina to process
	UP Traw	catch from all ten trawls.
0907	Bigin traw 1 # 1 7 2A	1506 Buck of maring to process Gel
0914	End traw 1 #1 \$	1506 Back at marina to process fish miss some some some some some some some so
1003	Beain traval #2 1 2A	1545 Charlie Easton, For Pornam
1015	and traws #2)	and Tell Stern depart.
1054	Begin trawi #3 32B	75 1905 Complete processing fish
1100	End traws #35	Pob Fritz & Remy deports
		1930 Depart marina to drop of
	- 1	
		Rite in the Rain.

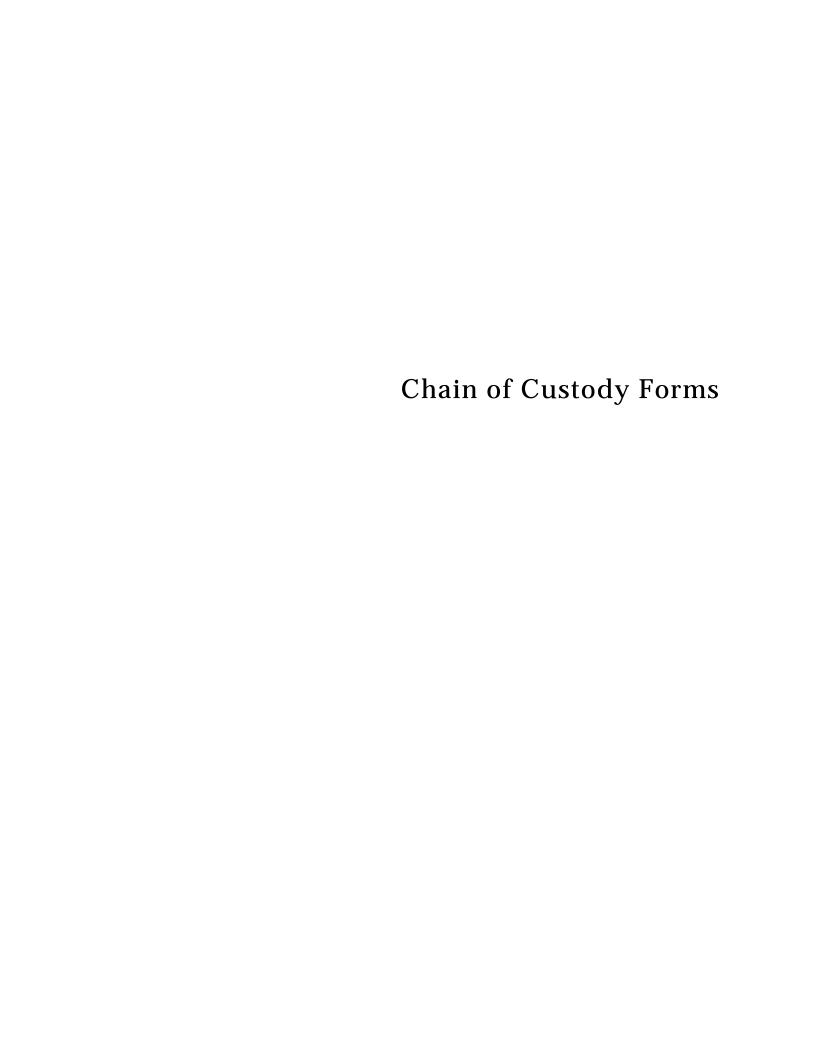


08.30.12 08.30.17 Trawl not processed b/c 1445 Begin processing 1515 Charles Eaton, Tom Potrom of potential impact to any tissue samples and Jeff Skorn Separt. 1105 Begin traw 1 #15 1630 Rob & Remy deports 1645 End of processing & field day. Depart marion TRAFFE 130 Begin trawl # 16 147 and traw 1 #16 1210 Lunch break 12381 Begin travel #17 1256 Bid traw #17 1310 Begin traw 1 #18 1324 End traw 1 #18 1341 Reached fish target totals. Will do one trawl in Reach 1B before heading bail to marinate pioces. Susic also said to leave 3 traps out wearight, in lower Cover marine orea) to See if it increases catch success. Relayed into to coals wew. 1347 Begin trawl #1972BN 420 Head back to marine to process. 1435 Arrive at avaina Rite in the Kain.

08.31.17 TDO 38.31.17 1108 Begin trawi # 24 3 1 As 0745 Arrive at Hurber Island Mariner Meet up w/ Keke Rude (SPU) 172 and trave # 24 9 and Knistin Kerns (USACE), Reb 1144 Begin traw # 25 3 (A MSN) Firtz (Cleaning), Charle Eaton & 1155 End travi #255 Bio Manne), Tem Potnan (Blo-1215 Which break Marine) 1237 and Begin trav 1 HZ6 ZIAN WW- Kate McPark, Wines Mass 1251 End Wan # 26 Thai Do., sunny to und 70's 1315 Begin trawi #27 31AN 1326 End traw #27 5 ovor load supplies/egpt. 0810 Health & Safety briefing 1337 Begin traul # 28 } IAN 1347 End traul # 28 } 0815 Depart woman to trad reach 415 Heard ball to manua to 0825 Susai called and said to focus powcess fish. and traps in Deach 1 426 Amire de marines. Kristen 0830 Called Mike to relay meskage. Kerns WSACE) deputs. 0830 Begin traw # 20 ZIB N 1430 Rete Rinde (SPU) deputs 0845 End traw # 20 100 Charle Eaton & Tom log and fine in travil. Wham dernts 0943 Begin trau 1 # 21 (Clearway) depart, Clearup 0949 End trave #21 1010 Bigin traw 1 #22 7135 1715 lead up ceilers and depart. 1017 and trawi # 22 and of field day Do 31A 5 1035 Begin traw ( # 23 08.31.17 1042 End traw 1 #23 Rite in the Rain

10		
9.01.17	TiDo	09.01.17
0745	Arme at Harbor I Stand Moriner.	0948 End fram #31-1
	Sunny, foreinst hi 705-10805	1000 Beaus tout #32 2
0750		1000 Begin tand #327
	Elle Hale (EPA), Rob Fritz	/ Nething slipped, so mostly)
	(Cleanings), Charles Eaton &	(empty.
	Tom (Utram (Bio-Manne)	-1026 Beijn Haul # 33 } (
	Kate McReek, Jenna Rhanson	1037 End train # 33 5
	and Than Do (WW)	1109 Begin trawl # 34 21
0000	lead supplies, set up egot.	1110 End fram 1 # 345
0810	Hearth & Sofety plan	1146 Begin traw 1 # 35 Z 1
0815	Head out to travel reach ]	Grel travel #35 5
	(for English sole).	Note: Chartledid not
0813	Begin travi #29 3 1	record traw 1# 30
0834	Bigin trawl #29 3 1 End trawl #29 3 1	so our tout #5 will be of
0922	Begn travel #30 3 1 and travel #30 3 1	by 1
0927	and traw 1 \$ 30 )	1230 Linch Greak, more to Favir 2
	travl empty (doors hung up	1751 Begin traw # 36 22
	and tursted net)	1305 End trans 1 #36 5
6430	Talked to Elle of Debora about	at targeting crassonly
	going to Reach 2 to get grateful was if/when we	1317 Begin traw #37 72
	grateful was if when we	1317 Begin traw #37 22 1331 End traw #37 5
	descripted fish/graceful tissue	1349 Degin traw # 38 7
	in Reach 1. They agreed.	1403 and traw 1 # 38 32
6937	Begin traw #31 31	1415 Head back to marina to process
	3+	
		Rite in the Rain.

12 09.01.17 TIDO 1440 Amue at Harbon Island musi non 1445 Set up for process by Debra
& Elle observing
1455 Process fish, Tom a Charles deput
1545 Debra and Elle Deput, coals even anves 1000 Complete processing, dean up 1650 Load samples Deport manna. End of on-violer field day.



1	of	43	
			-

AOC3 Fish/Crab Tissue

#### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Ship to:

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	. –	~

No. AOC3 2017-0020

Project Number:			Attn	Attn:		Georgina Brooks			Shipping Date: 9/25/17		
Contact Name:				Ship	Shipper:				Airbill Number: N/A		
Sampled By:				Forn	n filled out by:	Α.	Vande	rvort	Turnaroun	d requested:	
	TD	, KM, NM, JR, and MY						æ		17	Standard -
				T	1						
					Tes	t(s) Request	ed (check	test(s) required	)		
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization				-		ts / Instructions osite/Bag ID]
8/31/2017	8:45	LDW17-R1-ES090 /	1	Tissue	x					1-ES-comp1	L28215-1
9/1/2017	8:34	LDW17-R1-ES130 <sup>4</sup>	1	Tissue	х					1-ES-comp1	120213
8/31/2017	12:51	LDW17-R1-ES103	1	Tissue	х					1-ES-comp1	-1
8/31/2017	8:45	LDW17-R1-ES084 /	1	Tissue	х					1-ES-comp1	
8/31/2017	13:26	LDW17-R1-ES110 '	1	Tissue	х					1-ES-comp1	-1
8/31/2017	8:45	LDW17-R1-ES095	1	Tissue	х					1-ES-comp1	la de la companya de
9/1/2017	11:55	LDW17-R1-ES142	1	Tissue	X-					1-ES-comp1	-1
8/31/2017	13:47	LDW17-R1-ES122	1	Tissue	х					1-ES-comp1	
8/31/2017	9:49	LDW17-R1-ES098 J	1	Tissue	x					1-ES-comp1	-)
8/31/2017	8:45	LDW17-R1-ES087	1	Tissue	х					1-ES-comp1	-/
								(4)		1 25 comp1	
	]	otal Number of Containers	10	Purchase Orde	er / Statement o	of Work #	PO 2017-	-0020			
1) Released by: Print name: Signature: Company: Date/Time:	mara Wind 1/25/		SGS 4x4S 26-Sep-201		Released by:     Print name:     Signature:     Company:     Date/Time:		1 <sub>0</sub>	2)	Rec'd by: Company: Date/Time:		
listribution: White co	pies accompar	ny shipment, yellow retained by consigno	or <sub>est</sub>	R.C.		<b>T</b> .	ho de-				
	. 1						ne cou	inpleted by	Laborator	y upon sam	ple receipt:



	protest by autoritatory upor	roumpie receipt.	
Date of receipt::	Laboratory W.O. #:		
Condition upon receipt:	Time of receipt:		
Cooler temperature:	Received by:	SGS AXYS Page 3 <sup>l</sup> of 317	
		Page 3 of 317	

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

	AUG3 FISN/Crab Tissue		h l	Ship	Ship to:		Axys				No. AOC3 2017-0020	
Project Number: Task 4					Attn:		na Broo	oks	Shipping Date:		9/25/17	
Contact Name:	Arr	nara Vandervort		Ship	Shipper:		Courier		Airbill Nu	-		
Sampled By:		3		Forr	m filled out by:	Α.	Vande	ervort	- Turnarou	und requested:		
	TD	, KM, NM, JR, and MY	-				n				Standard	
					Tec	t(s) Paguast	nd (check	( test(s) required				
					7 5	ijs) Requesti	eu (check	c test(s) required	1	-		
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization						ts / Instructions	
8/31/2017	13:47	LDW17-R1-ES121 /	1	Tissue	х					1-ES-comp2	osite/Bag ID]	
8/31/2017	13:26	LDW17-R1-ES111 /	1	Tissue	×				+	127	L28215-2	
8/30/2017	14:00	LDW17-R1-ES071 /	1	Tissue	x	1				1-ES-comp2	- <u>2</u>	
8/31/2017	8:45	LDW17-R1-ES096 /	1	Tissue	x					1-ES-comp2	- <u>2</u>	
8/31/2017	8:45	LDW17-R1-ES094	1	Tissue	x				-	1-ES-comp2	-2	
9/1/2017	8:34	LDW17-R1-ES132 /	1	Tissue	×					1-ES-comp2		
9/1/2017	10:37	LDW17-R1-ES139 '	1	Tissue	х					1-ES-comp2	-2	
9/1/2017	8:34	LDW17-R1-ES131	1	Tissue	×					1-ES-comp2	- こ - こ	
8/31/2017	10:42	LDW17-R1-ES100	1	Tissue	x	-				1-ES-comp2		
8/31/2017	12:51	LDW17-R1-ES102 /	1	Tissue	x						-2	
										1-ES-comp2	-2_	
	7	otal Number of Containers	10	Purchase Ord	er / Statement	of Work # F	0 2017	-0020				
1) Released by: Print name: Signature: Company Date/Time:	(Vird	Vanderus H  Company:  Company:  Date/Time:	55 AXY 26-547-2		2) Released by: Print name: Signature: Company: Date/Time:	4	0 2017	2)	Rec'd by: Company: Date/Time:			
istribution, white cop	ies accompar	ny shipment; yellow retained by consigno	r.			To	be co	mpleted by	Laborato	ory upon sam	nle receint:	



	be completed by Laboratory upo	m sample receipt:	
Date of receipt:	Laboratory W.O. #:		
Condition upon receipt:	Time of receipt:		
Cooler temperature:	Received by:		AXYS
		Page 4'	of 317

Project/Client Name:

AOC3 Fish/Crab Tissue

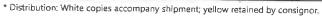
#### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Ship to:

4033

No. AOC3 2017-0020

Project Number:	Tas	Task 4 Amara Vandervort  TD, KM, NM, JR, and MY				Georgia	Georgina Brooks			Shipping Date: 9/25/17		
Contact Name:	Am				Shipper: Form filled out by:		Courier  A. Vandervort			Airbill Number: N/A Turnaround requested: Standard		
Sampled By:	TD											
					Tes	t(s) Requeste	ed (check t	est(s) req	uired)			
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization			-			nts / Instructions	
8/31/2017	8:45	LDW17-R1-ES088	1	Tissue	x					.1-ES-comp3	Dosite/Bag ID]	
9/1/2017	8:34	LDW17-R1-ES129 /	1	Tissue	x					1-ES-comp3		
8/31/2017	13:47	LDW17-R1-ES118 /	1	Tissue	х					1-ES-comp3	<u> </u>	
8/31/2017	13:47	LDW17-R1-ES116 /	1	Tissue	x					1-ES-comp3	- <u>3</u>	
9/1/2017	8:34	LDW17-R1-ES125	1	Tissue	x				-	1-ES-comp3	<u></u>	
8/30/2017	14:00	LDW17-R1-ES073	1	Tissue	х					1-ES-comp3	-3	
8/31/2017	8:45	LDW17-R1-ES092 /	1	Tissue	х					1-ES-comp3		
8/31/2017	8:45	LDW17-R1-ES091 /	1	Tissue	X					1-ES-comp3	-3	
8/31/2017	13:47	LDW17-R1-ES113 /	1	Tissue	x					1-ES-comp3	- <u>3</u>	
9/1/2017	10:37	LDW17-R1-ES138 /	1	Tissue	х				~ -	1-ES-comp3		
			1	Tissue	X					1-co-comps	-3	
*			1	Tissue	х							
	Т	otal Number of Containe	rs 10	Purchase Orde	r / Statement o	of Work # F	0 2017-0	0020		<b>I</b>		
1) Released by:  Print name:  Signature:  Company:  Date/Time:	o i	lervoit divioit comp	any: SGS AX		Released by:     Print name:	*			2) Rec'd by:  Company:		E	
	9126		26-Sep-	-2017	Date/Time:				Date/Time:			
stribution; White co	pies accompan	y shipment; yellow retained by co	nsignor.			To	be com	pleted	hy I aborate	ory upon can	anla rassint.	





То	be completed by Laboratory upon	sample receipt:
Date of receipt::	Laboratory W.O. #;	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page 5 of 317

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AOC3 Fish/Crab Tissue

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Ship to:

rioject/chefit Nair	oject/Client Name: AOC3 FISH/Crab Tissue					Axys		No. AOC3 2017-0020			
Project Number:					n:	Georgi	na Brooks	Shippin	Shipping Date: 9/25/17		
Contact Name:	Am	Amara Vandervort			pper:	Courie	r	Airbill N	Airbilf Number: N/A		
Sampled By:			m filled out by:	A.	Vandervort	Turnaro	und requested:				
	TD	KM, NM, JR, and MY							· ·	andard	
			1								
					Tes	t(s) Request	ed (check test(s) re	quired)			
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization					/ Instructions ite/Bag ID]	
8/31/2017	8:45	LDW17-R1-ES080 /	1	Tissue	x				7.0	28215-4	
9/1/2017	10:37	LDW17-R1-ES141 /	1	Tissue	×				1-ES-comp4	-4	
9/1/2017	8:34	LDW17-R1-ES128	1	Tissue	x				1-ES-comp4	-4	
8/31/2017	8:45	LDW17-R1-ES093 /	1	Tissue	×				1-ES-comp4	-4	
8/31/2017	8:45	LDW17-R1-ES086 /	1	Tissue	×				1-ES-comp4	-4	
8/31/2017	13:26	LDW17-R1-ES108 /	1	Tissue	×				1-ES-comp4	-4	
8/31/2017	13:47	LDW17-R1-ES124 /	1	Tissue	х				1-ES-comp4	-4	
8/31/2017	10:42	LDW17-R1-ES101 /	1	Tissue	x				1-ES-comp4	-4	
8/31/2017	9:49	LDW17-R1-ES099 /	1	Tissue	х				1-ES-comp4	-4	
8/31/2017	13:47	LDW17-R1-ES117 /	1	Tissue	x				1-ES-comp4	-4	
- N											
		otal Number of Containers	10	Purchase Ord	er / Statement o	of Work #	PO 2017-0020				
1) Released by: Print name: Signature: Company: Date/Time:	Wand Ward	1) Rec'd by:  Company:  Date/Time:	\$65 AX. 26-8ep-20	YS 017 11:05	Released by:     Print name:     Signature:     Company:     Date/Time:			2) Rec'd by:  Company:  Date/Time:	2	× *	
istribution: White cop	ies accompar	ny shipment; yellow retained by consigno				To	be completed	by Laborat	ory upon sampl	e receipt:	



Date of receipt::  Condition upon receipt:	be completed by Laboratory upon s	ample receipt:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page 6 of 317

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AOC3 Fish/Crab Tissue

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Ship to:

r roject/ chent Nam		COTTSII/CIAD TISSUE		Ship	to:	Axys				No.	AOC3 2017-0020	
Project Number: Task 4				Attn:		Georgi	na Brooks		Shipping Date: 9/25/17			
		Amara Vandervort Shipper:				Courier			Airbill Number: N/A			
Sampled By:				Form	Form filled out by:		A. Vandervort		Turnaround reques			
3	TD	, KM, NM, JR, and MY									Standard	
					Tes	t(s) Remuest	ed (check test(s)	required)				
					P io	, requesti	T TEST(S)	T				
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization						s / Instructions	
8/31/2017	8:45	LDW17-R1-ES081 /	1	Tissue	x			+	1 50	-comp5	osite/Bag ID]	
8/30/2017	14:00	LDW17-R1-ES072	1	Tissue	x					- 500	L28215-5	
8/31/2017	8:45	LDW17-R1-ES097 /	1	Tissue	X			-		-comp5	-2	
8/31/2017	13:47	LDW17-R1-ES119 /	1	Tissue	x					-comp5	-5	
8/31/2017	8:45	LDW17-R1-ES082 /	1	Tissue	x			-		-comp5	-2	
9/1/2017	8:34	LDW17-R1-ES127 /	1	Tissue	x			-		-comp5	27	
8/31/2017	13:26	LDW17-R1-ES109	1	Tissue	X	_				-comp5	-2	
8/31/2017	8:45		1	Tissue	x			-		-comp5		
9/1/2017	10:37	LDW17-R1-ES140 /	1	Tissue	X					-comp5	- 5	
8/31/2017	8:45	LDW17-R1-ES089 /	1	Tissue	X			-		-comp5	-2	
				-		-		-	1-ES	-comp5	-2	
						-		_				
14	Т	otal Number of Containers	10	Purchase Order	/ Statement o	of Worle # [	20 2017 0020					
1) Released by: Print name: Signature: Company: Date/Time:	1	1) Rec'd by:	1565-AX1 26-Sep-20		2) Released by: Print name: Signature: Company:	or work # P	2017-0020		ec'd by: ompany:			
	1126	Date/Time:	26-Sep-20	17 11:05	Date/Time:			Da	ite/Time:			
istribution: White copi	es accompan	y shipment; yellow retained by consigno	r.			To	be complete	al leve to			W	



То	be completed by Laboratory upon sample re	ceipt:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page 7 of 317

Project/Client Nar		C3 Fish/Crab Tissue		Ship	to:	Axys		## ## ## ## ## ## ## ## ## ## ## ## ##			
Project Number.		sk 4		Attn		Georgina Brooks	Shippino				
Contact Name: Amara Vandervort		nara Vandervort		Ship	per:	Courier	Airbill N				
Sampled By:	TD	, KM, NM, JR, and MY	*	Form	n filled out by:	A, Vandervort		und requested: Standard			
					Test	(s) Requested (check test(s) re	equired)				
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization			Comments / Instructions [Composite/Bag ID]			
9/1/2017	11:55	LDW17-R1-ES144 /	1	Tissue	x						
9/1/2017	10:37	LDW17-R1-ES136 /	1	Tissue	x						
8/31/2017	13:47	LDW17-R1-ES120 ✓	1	Tissue	x						
9/1/2017	8:34	LDW17-R1-ES133 🗸	1	Tissue	x			1-ES-comp6 —6			
9/1/2017	8:34	LDW17-R1-ES134 V	1	Tissue	x			1-ES-comp6 —6			
8/31/2017	13:47	LDW17-R1-ES123 ✓	1	Tissue	x			1-ES-comp6 -6			
9/1/2017	9:48	LDW17-R1-ES135 ✓	1	Tissue	X			1-ES-comp6 — 6			
9/1/2017	11:55	LDW17-R1-ES143 √	1	Tissue	x			1-ES-comp6 —6			
9/1/2017	10:37	LDW17-R1-ES137 V	1	Tissue	X			1-ES-comp6 —6			
9/1/2017	8:34	LDW17-R1-ES126 √	1	Tissue	х			1-ES-comp6 — 6			
								**			
	T	otal Number of Containers	10	Purchase Orde	r / Statement o	f Work # PO 2017-0020					
Released by:     Print name:     Signature:	4 Vano	1) Rec'd by:	HAI		Released by:     Print name:		2) Rec'd by:				
Company: /	hind ilale	Date/Time:	SGS-AXY 26-80-201-	S 7 11:05	Signature: Company: Date/Time:		Company: Date/Time:				



То	be completed by Laboratory upon s	sample receipt:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS Page 8 of 317
		rage o or sir

AOC3 Fish/Crab Tissue

Project/Client Name:

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Ship to:

				اد ا	hip to:	Axys				No. AOC3	2017-0020
Project Number.	_	sk 4		A	ttn:	Georgi	na Brooks	Shi	pping Date:	9/25/17	
Contact Name:	Am	nara Vandervort	hipper:	per: Courier			Airbill Number: N/A				
Sampled By:				Fo	Form filled out by: A. Vandervort				naround reque		
	_TD	, KM, NM, JR, and MY				-				Standa	ırd
					Test	t(s) Request	ed (check test(s)	required)			
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization			, equitady		omments / Instru	
8/29/2017	10:15	LDW17-R2-ES007	1	Tissue	x				2 55 0	[Composite/Bag	
8/30/2017	11:47	LDW17-R2-ES067 /	1	Tissue	×				2-E3-0	omp1 (Bag 1) /	
9/1/2017	13:31	LDW17-R2-ES152	1	Tissue	x					omp1 (Bag 2)	-4
8/30/2017	9:25	LDW17-R2-ES048 /	1	Tissue	×			+		omp1 (Bag 1)	- <del>7</del>
8/30/2017	8:50	LDW17-R2-ES041 /	1	Tissue	×			+ +		omp1 (Bag 2)	-7
8/30/2017	11:19	LDW17-R2-ES058 /	1	Tissue	x					omp1 (Bag 2)	-7
8/30/2017	9:25	LDW17-R2-ES052 ~	1	Tissue	x			t		omp1 (Bag 2)	-7
8/29/2017	10:15	LDW17-R2-ES014	1	Tissue	x	1	- 3			omp1 (Bag 1)	7
8/30/2017	12:56	LDW17-R2-ES068	1	Tissue	x			1 1		omp1 (Bag 1)	7
8/29/2017	13:54	LDW17-R2-ES030 ✓	1	Tissue	х					omp1 (Bag 2)	-7
									2-ES-C0	omp1 (Bag 1)	7
	Т	otal Number of Containers	10	Purchase Or	der / Statement o	of Work # F	20 2017-0020				=
1) Released by: Print name: Signature: Company: Date/Time:	Vana Vind 1261	1) Rec'd by:  Company:  Date/Time:	965 AX		Released by:     Print name:	WOIR # P	20 2017-0020	2) Rec'd l Compa Date/T	iny:		



Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

	be completed by Laboratory upon sam	iple receipt:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
	the state of the s	Page 9 of 317

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AUC3 Fish/Crab Tissue			Ship	Ship to: Axys					No. AOC3 2017-0020				
Project Number: Task 4				Attn	:	Georg	na Brook	s	Shipping Date: 9/25/17				
Contact Name: Amara Vandervort		nara Vandervort	Vandervort			Shipper: Courier			ourier			Airbill Number: N/A	
Sampled By:				Forn	n filled out by:	A.	Vanden	ort/	-	and reque	ested:		
0.	TD	, KM, NM, JR, a	nd MY								ı	Standar	d
				T	T .								
						Tes	t(s) Request	ed (check to	est(s) required	()			
Sample Collection Date (m/d/y)	Time	Sample Ide	ntification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization			1 m		C	omments / Instruc	· · · · · ·
8/29/2017	13:54	LDW17-R2-ES02	.6 ✓	1	Tissue	х					2-ES-co	omp2 (Bag 1) <u>/</u> 2	
9/1/2017	13:31	LDW17-R2-ES14		1	Tissue	x						omp2 (Bag 1)	- 8
8/29/2017	10:15	LDW17-R2-ES01	.6 ~	1	Tissue	х						omp2 (Bag 1)	-8
8/29/2017	9:14	LDW17-R2-ES00	15 🗸	1	Tissue	х						omp2 (Bag 1)	-8
8/29/2017	13:54			1	Tissue	x						omp2 (Bag 1)	-8
8/30/2017	10:03	LDW17-R2-ES05	5 v	1	Tissue	х		-				omp2 (Bag 2)	- 8
8/29/2017	9:14			1	Tissue	х						omp2 (Bag 1)	-8
8/30/2017	11:19			1	Tissue	х						omp2 (Bag 2)	-8
8/30/2017	11:19	LDW17-R2-ES06	io	1	Tissue	Х						omp2 (Bag 2)	-8
8/30/2017	10:03	LDW17-R2-ES05	6 🗸	1	Tissue	X						omp2 (Bag 2)	-8
												5-1-8-1	
	]	Total Number of	Containers	10	Purchase Orde	er / Statement o	of Work #	PO 2017-0	020				
1) Released by:  Print name:  Signature:  Company:	A Vand Vin Li	ervort	1) Rec'd by:	SGS AXIS	ř.	Released by:     Print name:     Signature:     Company:				Rec'd by: Company:		50	
Signature: Company: SGS AXYS  Date/Time: 26-Sep - 200  Distribution: White copies accompany shipment; yellow retained by consignor.		7 11:05 Date/Time:				Date/Time:							
istribution: White co	pies accompan	y shipment; yellow reta	ained by consigno	or.	V				9 L				
	$\sqrt{\mathbf{x}}$	ard	200 West M Suite 401 Seattle, WA		Date of re		To	be com		Laborato ory W.O. #:		n sample rece	eipt:
	Januiran	mantal LLC	Tel: (206) 37		Condition	upon receipt:			Time of	receipt:			- 1

Cooler temperature:

Fax: (206) 217-9343

SGS AXYS Page 10 of 317

Received by:

#### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Project/Client Name	: AO	C3 Fish/Crab Tissue		Ship	to:	Axys					No. AOC3 20	017-0020-
Project Number:	Tas	sk 4		Attn	1:	Georg	ina Brooks	S	Shipping I		9/25/17	077 0020
Contact Name:	Am	ara Vandervort		Ship	pper:	Courie			Airbill Nur	_	N/A	
Sampled By:				Forr	n filled out by:	A	Vanderv	ort .		nd requeste		
	TD	, KM, NM, JR, and MY									Standar	rd
			1									
-					Tes	t(s) Reques	sted (check te	est(s) required)	)		6	
Sample =			Volume of		Dissection and Homogenization							
Collection Date (m/d/y)	Time	Sample Identification	Sample / # of Containers	Matrix	Dissec						iments / Instrui	
9/1/2017	13:31	LDW17-R2-ES147 /	1	Tissue	x						p3 (Bag 2) <u>/</u>	
8/29/2017	14:21	LDW17-R2-ES035 /	1	Tissue	x						p3 (Bag 1)	-9
8/30/2017	8:50	LDW17-R2-ES039 /	1	Tissue	x						1p3 (Bag 2)	-9
8/30/2017	10:03	LDW17-R2-ES057 /	1	Tissue	x						p3 (Bag 2)	-9
8/29/2017	11:50	LDW17-R2-ES018 /	1	Tissue	×						p3 (Bag 1)	-9
8/29/2017	13:18	LDW17-R2-ES022 /	1	Tissue	х						p3 (Bag 1)	-9
8/30/2017	11:47	LDW17-R2-ES064 /	1	Tissue	х						p3 (Bag 1)	-9
8/29/2017	12:32	LDW17-R2-ES019 2	1	Tissue	x						p3 (Bag 2)	- 9
8/30/2017	9:25	LDW17-R2-ES047 /	1	Tissue	х						p3 (Bag 2)	-9
8/29/2017	14:21	LDW17-R2-ES034 /	1	Tissue	х						p3 (Bag 1)	-9
		otal Number of Containers	10	Purchase Orde	er / Statement o	of Work #	PO 2017-0	020				
1) Released by: Print name: Signature: Company:	Wand	Company:		= 1	Released by:     Print name:     Signature:	e v			Rec'd by: Company:			
Date/Time:			SG5 AXYJ 26-Sep-20	17 11:05	Company: Date/Time:		ia .	C	Date/Time:			
Distribution: White copie	s accompan	y shipment; yellow retained by consigno	r.			-		-1-4-4 ()	* × ×			ů.



10	be completed by Laboratory upon sample receipt:	
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by: SGS	AXYS
	Page 11	of 317

of 43

environmental LLC

Tel: (206) 378-1364 Fax: (206) 217-9343

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

SGS AXYS Page 12 of 317

Project/Client Name	e: AC	C3 Fish/Crab T	issue		Ship	o to:	Axys					No. AOC3 2017-0020		
Project Number:	Ta	sk 4			Attr	1:	Georgi	na Bro	oks	Sh	nipping Date:	9/25/17	0020	
Contact Name:	Am	nara Vandervort			Ship	oper:	Courie	r	7		Airbill Number: N/A			
Sampled By:					For	n filled out by:	Α.	Vand	ervort		Turnaround requested:			
	TD	, KM, NM, JR, ar	nd MY			_						Standard		
	-	т												
						Tes	(s) Request	ed (chec	k test(s) re	quired)				
Sample Collection Date (m/d/y)	Time	Sample Iden	tification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization			0:			Comments / Instru	uctions	
8/29/2017	13:54	LDW17-R2-ES027	1 /	_ 1	Tissue	x					2.55	[Bag ID]	2001-1	
8/30/2017	9:25	LDW17-R2-ES054	1	1	Tissue	x						comp4 (Bag 1) <u>/</u> comp4 (Bag 1)		
8/29/2017	10:15	LDW17-R2-ES011		1	Tissue	x						comp4 (Bag 1)	-10	
8/29/2017	12:58	LDW17-R2-ES021	Z	1	Tissue	x						comp4 (Bag 1)	-10	
9/1/2017	13:05	LDW17-R2-ES145	) ++	1	Tissue	х						comp4 (Bag 1)	-10 -10	
8/30/2017	11:19	LDW17-R2-ES059	) /	1	Tissue	×			1			comp4 (Bag 2)		
9/1/2017	13:31	LDW17-R2-ES154	30	1	Tissue	×	-					comp4 (Bag 2)	-10	
8/30/2017	8:50	LDW17-R2-ES042	2	1	Tissue	x						comp4 (Bag 2)	-10	
8/30/2017	12:56	LDW17-R2-ES069		1	Tissue	×						comp4 (Bag 2)	7/0	
. 9/1/2017	13:31	LDW17-R2-ES146	5 /	1	Ŧissue	X						comp4 (Bag 2)	-10	
			3											
	1	otal Number of C	ontainers	10	Purchase Ord	er / Statement o	of Work # 1	PO 2017	7-0020					
1) Released by:  Print name: A Condition 1) Rec'd by:  Signature: Company:		John SGS AXY.		2) Released by: Print name: Signature: Company: Date/Time:			0020		pany:					
26-8-2017  Atribution: White copies accompany shipment, yellow retained by consignor,				Date/Time;				Date.	/Time:					
istribution: White copie	es accompan	ry shipment; yellow retai	ned by consigno	r,			To	be co	mplete	by Lah	oratory un	on sample rec	oint·	
200 West Mercer Street  Suite 401			Date of re	eceipt::				boratory V		an sample lec	eipt.			
Ward Seattle, WA 98119				Cartifican										

Condition upon receipt:

Cooler temperature:

Time of receipt:

Received by:

11	of	43
		40

AOC3 Fish/Crab Tissue

#### CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Nam	ie: AC	C3 Fish/Crab Tissue		Ship	o to:	Axys				No. AOC3 20	17-0020
Project Number:	Ta	sk 4		Attr	n:	Georgi	na Bro	oks	Shipping		
Contact Name:	Am	nara Vandervort		Ship	oper:	Courie	-		Airbill Number: N/A		
Sampled By:				Fori	m filled out by:	A	Vand	ervort	-	nd requested:	
	TD	, KM, NM, JR, and MY	_							Standard	j
			T	T	T	Wasaa	- 0-0				
			100		Tes	t(s) Request	ed (chec	k test(s) required	)		
Sample Collection Date (m/d/y)	Tìme	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization					Comments / Instruc [Composite/Bag I	
8/30/2017	8:50	LDW17-R2-ES038 /	1	Tissue	x					2-ES-comp5 (Bag 1) 🗸	28215-11
8/30/2017		LDW17-R2-ES062	1	Tissue	x					2-ES-comp5 (Bag 1)	-/1
8/29/2017	9:14	LDW17-R2-ES006 /	1	Tissue	×					2-ES-comp5 (Bag 1)	-()
8/30/2017	8:50	LDW17-R2-ES037 /	1	Tissue	x					2-ES-comp5 (Bag 1)	-11
9/1/2017	13:31	LDW17-R2-ES153 /	1	Tissue	x					2-ES-comp5 (Bag 2)	-(1
8/30/2017	11:47	LDW17-R2-ES066 /	1	Tissue	x					2-ES-comp5 (Bag 2)	- ((
8/29/2017	9:14	LDW17-R2-ES001 /	1	Tissue	x				,	2-ES-comp5 (Bag 1)	-(1
8/30/2017	9:25	LDW17-R2-ES053 /	1	Tissue	x					2-ES-comp5 (Bag 2)	-11
9/1/2017	13:31	LDW17-R2-ES150 ./	1	Tissue	×					2-ES-comp5 (Bag 2)	- (1
8/29/2017	13:54	LDW17-R2-ES031 /	1	Tissue	х	¥1				2-ES-comp5 (Bag 1)	- (1
						_1					
		Total Number of Containers	10	Purchase Ord	er / Statement o	of Work # I	PO 2017	7-0020			
		165 Axy 26-8ep-25	S 217 11:05	2) Released by: Print name: Signature: Company: Date/Time:	r			Rec'd by: Company: Date/Time:			
ribution; White copies accompany shipment; yellow retained by consignor.						To	be co	mpleted by	Laborato	ry upon sample rece	ipt:



TO DE CO	mpieted by Laboratory upon sample receip	t:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:		GS AXYS
	Page	13 <sup>l</sup> of 317

43

AOC3 Fish/Crab Tissue

Seattle, WA 98119

Tel: (206) 378-1364 Fax: (206) 217-9343

environmental LLC

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Ship to:

4033

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No. AOC3 2017-0020

Project Number:	Ta	sk 4		Attn		Coore	gina Broo	lea		110,71003 2017	-0020	
Contact Name:	-	nara Vandervort						iks	Shipping		17	
Sampled By:		Tanadivort		Ship	'	Couri			Airbill N	umber: N/A		
and by	TD	, KM, NM, JR, and MY		Forn	n filled out by:	Α	Vande	rvort	Turnaro	und requested:		
		, RIVI, INIVI, JIX, ALIU IVIT								Standard		
			•			CANALONIA C	. 90 04					
	25				- 5 Te	est(s) Reques	sted (check	test(s) requ	uired)			
					izati							
Sample Collection Date			Volume of		ction							
(m/d/y)	Time	Sample Identification	Sample / # of Containers	NA-A-2	Dissection and Homogenization					Comments / Instruction	าร"	
8/29/2017	10:15	LDW17-R2-ES009 /	1	Matrix	+		+			[Composite/Bag ID]		
8/29/2017	14:21	LDW17-R2-ES036 /	1	Tissue Tissue	X	_				2-ES-comp6 (Bag 1) / 282	15-12	
8/29/2017	9:14		1		x	_				2-ES-comp6 (Bag 1)	-12	
8/30/2017	9:25	LDW17-R2-ES045 /	1	Tissue	X	_	1			2-ES-comp6 (Bag 1)	7/2	
8/29/2017	10:15	LDW17-R2-ES012	1	Tissue	X				N N	2-ES-comp6 (Bag 1)	-12	
8/29/2017	13:54	LDW17-R2-ES025 /		Tissue	X		4			2-ES-comp6 (Bag 1)	-12	
8/29/2017	10:15	LDW17-R2-ES008	1	Tissue	X					2-ES-comp6 (Bag 1)	-12	
8/30/2017	9:25		1	Tissue	X		-			2-ES-comp6 (Bag 1) -	-12	
9/1/2017	13:31	LDW17-R2-ES051 /	1	Tissue	X					2.55 5.12	-12	
8/29/2017	13:54	LDW17-R2-ES151 /	1	Tissue	Х					2 5 5 0 100 THE REST OF THE RE	12	
8/23/2017	13:54	LDW17-R2-ES028 /	1	Tissue	X						12	
		otal Number of Containers	10	Purchase Orde	r / Statement	of Work#	PO 2017-	0020				
1) Released by:	10	1) Rec'd by:	Non		2) Released by:				2) Rec'd by:			
Print name:	· rond	LENVOIT,	told)		Print name:							
Signature:	To Ver	Company:	SGS AXY		Signature:				Company:			
Company: Date/Time:	owin	antia	002 AV [-	-	Company:				70			
Date/Time: C	1/26	Date/Time:	SGS AXY. 26-Sep-20	17 11:05	Date/Time:				Date/Time:			
istribution: White copi	es accompan	y shipment; yellow retained by consigno					_					
(5 - 39)	,					Т	o be con	npleted	by Laborate	ory upon sample receipt	•	
	V	200 West Me 7 1 Suite 401	ercer Street	Date of re	ceipt::				Laboratory W.O. #:			
	/. V	7 1 Suite 401										

Condition upon receipt:

Cooler temperature:

Time of receipt:

Received by:

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Project/Client Name:	AO	C3 Fish/Crab Tissue		Ship	to:	Axys			No AO	C3 2017-0020
Project Number:	Tas	sk 4		Attn:			na Brooks	Shipping		
Contact Name:	Am	ara Vandervort		 Shipp	per:	Courie		Airbill N	-	
Sampled By:					filled out by:		Vandervort		und requested:	
	TD	, KM, NM, JR, and MY	-		<i>y</i> .			Tamarot	•	ndard
	-		T	T					T	
		DC			Test	t(s) Request	ed (check test(s) re	equired)	-	
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization				Comments / I	
8/31/2017	13:28	LDW17-R1-GC054	1	Tissue	+	-			[Composite	
8/31/2017	9:49	LDW17-R1-GC029	1	Tissue	X				1-GC-comp1 (Bag	
9/1/2017	8:34	LDW17-R1-GC076	1	Tissue	X	-			1-GC-comp1 (Bag	
	12:51	LDW17-R1-GC051	1	Tissue		+			1-GC-comp1 (Bag	
8/31/2017	8:45	LDW17-R1-GC027	1	Tissue	X	-			1-GC-comp1 (Bag	
	15:38	LDW17-R1-GC066	1	Tissue	X				1-GC-comp1 (Bag	
9/1/2017	8:34	LDW17-R1-GC072	1	Tissue	X	_	-		1-GC-comp1 (Bag	
	0.51	25 (41) 1(1 (30)/2	1	rissue	X				1-GC-comp1 (Bag	1) -13
					+					
					+	7. (				
		*							ļ	
	T	otal Number of Containers	7	Durahara O. I	16					5_
1) Released by:			7.	Purchase Orde		ot Work #	PO 2017-0020	_		
Print name: Signature: Company: Date/Time:	Vara	Lervort Company:  Ward Date/Time:	FADD SGS AXYS R6-Sep-20		Print name: Signature: Company: Date/Time:			2) Rec'd by:  Company:  Date/Time:	iā II	ž.
Distribution: White copies a	iccompan	y shipment; yellow retained by consigno	C.			Tr	be complete	d by Laborate	orv upon sample	recoint



200 West Mercer Street Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

To be co	ompl	eted by Laboratory	upon s	ample r	eceipt:	
Date of receipt:		Laboratory W.O. #:				
Condition upon receipt:	5	Time of receipt:				
Cooler temperature:		Received by		*	SGS	1

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# CHAIN-OF-CUSTODY/TEST REQUEST FORM

Project/Client Name	: AC	C3 Fish/Crab Tissue		Ship	to:	Axys				No. AOC3 20	17-0020
Project Number:	Tas	sk 4		Attr	1:		ina Brooks	9	Shipping Date:	9/25/17	17-0020
Contact Name:	Am	ara Vandervort		Ship	pper:	Courie	CONTRACTOR ACCUSE		Airbill Number:	N/A	
Sampled By:				Forr	n filled out by:	Α.	Vandervort		Turnaround requ		
	TD	, KM, NM, JR, and MY			2				Standard		
		٥			Test	s) Request	ted (check test(s)	required)			
					Dissection and Homogenization	1	led (ericek test(a)	Tequireu)			
Sample					on ar						
Collection Date			Volume of Sample / # of		mog						
(m/d/y)	Time	Sample Identification	Containers	Matrix	Sign of the state					Comments / Instruction [Composite/Bag I	
8/31/2017	15:18	LDW17-R1-GC060	1	Tissue	x				1-GC	-comp2 (Bag 1)∠2	
8/31/2017	10:42	LDW17-R1-GC031	1	Tissue	х					-comp2 (Bag 1)	-14
9/1/2017	10:37	LDW17-R1-GC079	1	Tissue	х					-comp2 (Bag 1)	-14
8/31/2017	12:51	LDW17-R1-GC050	1	Tissue	х					-comp2 (Bag 1)	-14
8/30/2017	14:00	LDW17-R1-GC023	1	Tissue	x					-comp2 (Bag 1)	-14
8/31/2017	12:53	LDW17-R1-GC043	1	Tissue	×					-comp2 (Bag 2)	-14
8/31/2017	13:28	LDW17-R1-GC055	1	Tissue	x					-comp2 (Bag 2)	-14
											- (4)
-							-				
										6	
		otal Number of Containers	7	Purchase Ord	er / Statement o	f Work #	PO 2017-0020				
1) Released by:	10	1) Rec'd by:	100		2) Released by:			2) Re	c'd by:		
Print name:	yours	Lervoi I	DO		Print name:				•		
Signature:	IVA	dund Company:	SCS AX	45	Signature:			Co	mpany:		
Company:  Date/Time:	www.a	NOO	365 7-7.	L	Company:						
Date/Time: G	126	Date/Time:	SGS AX 26-Sep-20	17 11:05	Date/Time:			Da	te/Time:	540	
Distribution: White copie	s accompan	y shipment; yellow retained by consigno	r.						-		
	7					To	o be complet	ed by La	boratory up	on sample rece	ipt:



То	be completed by Laboratory upor	n sample receipt:
Date of receipt:	Laboratory W.O. #;	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page 16 of 317

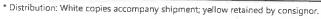
Project/Client Name:

AOC3 Fish/Crab Tissue

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Ship to:

Project/Client Name	-	C3 Fish/Crab Tissue		Ship	to:	Axys				1	No. AOC3 2	017-0020
Project Number:	-	sk 4	·	Attn		Georgi	na Brook	s	Shipping Date: 9/25/17 Airbill Number: N/A			
Contact Name:	Am	nara Vandervort		Ship	per:	Courier					J/A	
Sampled By:				Forn	n filled out by:	Α.	A. Vandervort			Turnaround requested:		
	TD	, KM, NM, JR, and MY								Standard		
	_			T								
		191			Tes	t(s) Requesto	ed (check t	est(s) required)		1		
.,					Dissection and Homogenization	1						
Sample			Volume of		geni		1		* 17			
Collection Date (m/d/y)	Time	Carrela Ida (CC. )	Sample / # of		lomo					Comr	ments / Instru	ctions =
8/31/2017		Sample Identification	Containers	Matrix							mposite/Bag	
	13:28	LDW17-R1-GC057	11	Tissue	X					1-GC-com	p3 (Bag 2) /	28215-15
8/31/2017	15:30	LDW17-R1-GC064	1	Tissue	X					1-GC-com		-15
8/31/2017	10:17	LDW17-R1-GC030	1	Tissue	×					1-GC-com		-15
8/31/2017	13:44	LDW17-R1-GC059	1	Tissue	x					1-GC-com		-15
8/31/2017	13:15	LDW17-R1-GC044	1	Tissue	x					1-GC-com		-15
8/31/2017	11:56	LDW17-R1-GC034	1	Tissue	×					1-GC-com		-15
8/31/2017	12:51	LDW17-R1-GC049	1	Tissue	x					1-GC-com		-15
*-											13 (338 1)	1.0
							74				- 11	
	T	otal Number of Containers	7	Purchase Orde	er / Statement o	of Work # F	PO 2017-0	1020				
1) Released by:	110	1) Rec'd by:	14		2) Released by:		O LOTT C		ec'd by:			
Print name:	. Vand	unoit	Jan .		Print name:			(2) K	ес а ву,			
Signature:	AVa	Company:	2 - 4 - 5		Signature:				ompany;			
Company:	Ind	ward S	SGS AXYS		Company:				отпралу.			e
Date/Time: 🧳	10%	Date/Time:	865 AXYS 6-8ep-201	7 1120	Date/Time:			D	ate/Time:			
+ (	10416			T 11.02					,			
stribution: White copie	es accompan	y shipment; yellow retained by consigno	r.									
	9					To	be com	pleted by L	aborato	ry upon sa	ample reco	eipt:





to be completed by Laboratory upon sample receipt:					
Date of receipt:	Laboratory W.O. #:				
Condition upon receipt	Time of receipt:				
Cooler temperature:	Received by:	SGS AXYS			
	***************************************	Page 17 of 317			

#### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Project/Chem Name: AOC3 FISH/Crab HSSue					Ship .	Ship to:		Axys				No. AOC3 2017-0020		
	roject Number: Task 4				Attn:	Attn:		Georgina Brooks				Shipping Date: 9/25/17		
Contact Name: Amara Vandervort			Shipp	Shipper.		Courier			Airbill Number: N/A					
Sampled By:				Form	A. Vandervort				Turnaround requested:					
	TD	, KM, NM, JR, a	ind MY		FE	*							Standard	
						Test(s) Requested (check test(s) requi				equired)				
				⇒		Dissection and Homogenization	Ī		< .					
Sample				Volume of		geni								
Collection Date (m/d/y)	Time	C	are a	Sample / # of		lomo							Comments / Instructions	
8/31/2017		Sample Ide		Containers	Matrix		- 1	<u> </u>					[Composite/Bag ID]	
8/31/2017	15:30	LDW17-R1-GC0		1	Tissue	X	_			128215	-16	LDW1	7-R1-GC065 (Bag 1)	
8/30/2017	13:15	LDW17-R1-GC0		1	Tissue	X					-16	LDW1	7-R1-GC046 (Bag 1)	
8/31/2017	14:00	LDW17-R1-GC0		1	Tissue	X					-16	LDW1	7-R1-GC024 (Bag 1)	
	13:44	LDW17-R1-GC0		1	Tissue	X					-16	LDW1	7-R1-GC058 (Bag 2)	
8/31/2017	8:45	LDW17-R1-GC0		. 1	Tissue	X				1	-16		7-R1-GC026 (Bag 1)	
8/31/2017	13:28	LDW17-R1-GC0		1	Tissue	x					-16		7-R1-GC053 (Bag 2)	
8/31/2017	15:30	LDW17-R1-GC0	63	1	Tissue	X					-16		7-R1-GC063 (Bag 2)	
									2					
		otal Number of	Containers	7	Purchase Order	/ Statement	of Work # I	PO 2017	-0020					
1) Released by:	110	1 0	1) Rec'd by:	Hom	1	2) Released by:				2) Re	c'd by:			
Print name:	1 Non	deroit		N X X X		Print name:								
Signature:	y va	ling	Company:	Fe XVV		Signature:				Co	mpany:			
Company: Date/Time:	wing	mwal		92 NV1-	,	Company:								
Date/Time:	9/2	6/17	Date/Time:	65 AXYL	17 11:05	Date/Time:				Da	ite/Time:			
tribution: White cop	ies accompan	y shipment; yellow ret	ained by consigno	or,										
	7						To	be co	mplete	d by La	borato	ory upo	n sample receipt:	
	200 West Mercer Street				Date of rec	Date of receipt::				Laboratory W.O. #:				
X/2 rd Suite 401										Laboratory vv.O, #,				



Tel: (206) 378-1364 Fax: (206) 217-9343

	ampie receipt:			
Date of receipt::	Laboratory W.O. #:	P. 300		
Condition upon receipt:	Time of receipt			
Cooler temperature:	Received by:	SGS		

17	of	43
1.7		43

AOC3 Fish/Crab Tissue

#### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Ship to:

No. AOC3 2017-0020

Project Number:	Tas	sk 4	Attn:		Georgin	a Brooks		Shipping Date: 9/25/17				
Contact Name:	Am	Amara Vandervort				Shipper:		Courier				
Sampled By:		7			Form	Form filled out by:		A. Vandervort			Airbill Number: N/A Turnaround requested:	
	TD	, KM, NM, JR, ar	nd MY								Standard	
			- V									
						Test	t(s) Requeste	d (check test(	s) required	)		
					-	Dissection and Homogenization						
Sample				Volume of	-	genit						
Collection Date	Time			Sample / # of		lissec				1 1	Comments / Instructions	
(m/d/y)	Time	Sample Iden		Containers	Matrix						[Composite/Bag ID]	
8/31/2017	15:18	LDW17-R1-GC06		1	Tissue	X		128	215-17	1-G0	C-comp5 (Bag 1)	
8/31/2017	12:51	LDW17-R1-GC05		1	Tissue	x			-17	1-G0	C-comp5 (Bag 1)	
8/31/2017	12:39	LDW17-R1-GC04		11	Tissue	×			-17	1-G(	C-comp5 (Bag 1)	
9/1/2017	10:37	LDW17-R1-GC07		1	Tissue	x			-17	1-G0	C-comp5 (Bag 1)	
8/31/2017	15:49	LDW17-R1-GC06		1	Tissue	X			-17	1-G(	C-comp5 (Bag 1)	
8/31/2017	12:18	LDW17-R1-GC03		1	Tissue	х			-17	1-G0	C-comp5 (Bag 1)	
8/31/2017	8:45	LDW17-R1-GC02	8	1	Tissue	х			-17	1-G0	C-comp5 (Bag 1)	
								r				
	T	otal Number of C	ontainers	7	Purchase Orde	r / Statement o	of Work # P	O 2017-002	0			
1) Released by:	110		1) Rec'd by:	16		2) Released by:			2) F	Rec'd by:		
Print name:	1. Veno	denot		BISH		Print name:						
Signature: Signature: Company. Company.			ic	. Signature:				Company:				
Company: 10: named SGS AXYS			P	Company:			1	·				
Date/Time:	126	17	Date/Time: _ O	SGS AXI 26-Sep-20	17 11:05	Date/Time:			C	Date/Time:	9	
Distribution: White cop	ies accompan	y shipment; yellow retai			-							
2							To	he comple	ated by I	aboratory u	non sample receipt:	



To be completed by Laboratory upon sample receipt:						
Date of receipt;;	Laboratory W.O. #;					
Condition upon receipt:	Time of receipt:					
Cooler temperature:	Received by:	SGS AXYS				
		Page 195 of 317				

#### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Project/Client Name:	AO	C3 Fish/Crab Tissue		Ship	to:	Axys			No AOC3	2017-0020		
Project Number:					:		na Brooks		Shipping Date: 9/25/17		2011 0020	
Contact Name:	Am	ara Vandervort		Ship	per:	Courie			Airbill Number:		N/A	
Sampled By:				Forn	n filled out by:	Α.	Vandervort		Turnarou			
	TD	, KM, NM, JR, and MY								a roque	Stand	ard
	-		_									
		,			Tes	t(s) Request	ed (check test(s) re	quired	i)			
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization			F-			omments / Inst	
8/31/2017	13:28	LDW17-R1-GC056	1	Tissue	х		128215	-18		1-GC-0	comp6 (Bag 1)	
8/31/2017	15:45	LDW17-R1-GC067	1	Tissue	x		12-6213	-18			comp6 (Bag 2)	
8/31/2017	12:27	LDW17-R1-GC038	1	Tissue	x			-18			omp6 (Bag 1)	
9/1/2017	8:34	LDW17-R1-GC073	1	Tissue	х			-18			omp6 (Bag 1)	
8/31/2017	11:21	LDW17-R1-GC033	1	Tissue	x			-18			omp6 (Bag 1)	
8/31/2017	13:15	LDW17-R1-GC045	1	Tissue	x			-18			comp6 (Bag 1)	
8/31/2017	13:15	LDW17-R1-GC047	1	Tissue	X			-18	No.		omp6 (Bag 2)	
			1									
		otal Number of Containers	7	Purchase Orde	er / Statement o	of Work # I	PO 2017-0020					
1) Released by: Print name: Signature: Company: Date/Time:	Yesd Lun	envolt during Company	# 26- sep-20	5	2) Released by: Print name: Signature: Company: Date/Time:				Rec'd by: Company: Date/Time:			
Distribution: White copies	s accompan	y shipment; yellow retained by consig										2.0

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То	be completed by Laboratory upon	sample receipt:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page 20 of 317

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

Project/Client Name:	AO	C3 Fish/Crab Tissue		Shi	Ship to:				No. AOC3 2017-0020		
Project Number:	Tas	sk 4		Attr	1:	Georgin	na Bro	oks	Shipping Date:	9/25/17	
Contact Name:	Am	ara Vandervort		Shi	oper:	Courier			Airbill Number:	-	
Sampled By:				For	m filled out by:	Α.	Vand	ervort	Turnaround red		
	TD	, KM, NM, JR, and MY				- 13		Standard			
					Test	(s) Requeste	ed (chec	k test(s) required)			
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization					Comments / Instructions [Composite/Bag ID]	
9/1/2017	8:34	LDW17-R1-GC074	1	Tissue	х		1	128215-19	1-G0	C-comp7 (Bag 1)	
8/31/2017	15:26	LDW17-R1-GC062	1	Tissue	X		4	-19		C-comp7 (Bag 1)	
8/31/2017	12:18	LDW17-R1-GC035	1	Tissue	х		A.J	-19		C-comp7 (Bag 2)	
8/31/2017	10:42	LDW17-R1-GC032	1	Tissue	X			-19	1-G0	C-comp7 (Bag 1)	
8/31/2017	12:39	LDW17-R1-GC039	1	Tissue	×			-19	1-G0	C-comp7 (bag 2)	
8/31/2017	12:39	LDW17-R1-GC040	1	Tissue	х			-19	1-G0	C-comp7 (Bag 1)	
8/31/2017	13:47	LDW17-R1-GC070	1	Tìssuė	X			-19	1-G0	C-comp7 (Bag 1)	
			I.								
					_			14			
	<u> </u>										
	I	otal Number of Containers	7	Purchase Ord	er / Statement c	of Work # F	O 201	7-0020			
1) Released by: Print name: Signature: Company: Date/Time:	Vand Andi 126		165 AXYS 16-Sep-2017	7   :05	2) Released by: Print name: Signature: Company: Date/Time:	-		C	ec'd by: ompany: ate/Time:		
Distribution: White copie	s accompan	y shipment; yellow retained by consignor				То	be co	mpleted by L	aboratory u	pon sample receipt:	



Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS Page 21 of 317
		Page <b>21</b> of 317

of 43

AOC3 Fish/Crab Tissue

environmental LLC

Tel: (206) 378-1364 Fax: (206) 217-9343

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Ship to:

4033

SGS AXYS Page 22 of 317

No. AOC3 2017-0020

Project Number:		SK 4			Attr	Georgi	na Broc	oks	Shipping Date: 9/25/17			
Contact Name:	Am	ara Vandervort			Ship	oper:	Courie	r		- Airbill Numbe		
Sampled By:	TD	, KM, NM, JR, a	and MY	2	For	m filled out by:	A. Vandervort			Turnaround requested: Standard		
		1				Test	(s) Request	ed (check	test(s) required			
Sample Collection Date (m/d/y)	Time	Sample Ide	ntification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization					Comments / Instructions [Composite/Bag ID]	
9/1/2017	10:37	LDW17-R1-GC0		1	Tissue	x			L28215-20	1-6	GC-comp8 (Bag 1)	
8/31/2017	12:39	LDW17-R1-GC0		1	Tissue	x			-20		GC-comp8 (Bag 2)	
8/31/2017	13:15	LDW17-R1-GC0		1	Tissue	x			-20		GC-comp8 (Bag 1)	
8/31/2017	15:49	LDW17-R1-GC0		1	Tissue	x			-20		GC-comp8 (Bag 1)	
8/31/2017	12:27	LDW17-R1-GC0		1	Tissue	x			-20		GC-comp8 (Bag 2)	
9/1/2017	8:34	LDW17-R1-GC0		1 1	Tissue	x			-20		GC-comp8 (Bag 1)	
8/31/2017	13:47	LDW17-R1-GC0	71	1	Tissue	X			-20		GC-comp8 (Bag 1)	
(4						1						
	1	otal Number of	Containers	7	Purchase Ord	er / Statement o	of Mark #	BO 2017	0030			
1) Released by: Print name: Signature: Company: Date/Time:	John 9/21	evosta dund du ard	1) Rec'd by:  Company:  Date/Time:	16-50-201		Released by:     Print name:     Signature:     Company:     Date/Time:	PO 2017					
Distribution: White cop	pies accompar	ny shipment; yellow ret	ained by consigno	r.		7.	To	be co	mpleted by	Laboratory ι	upon sample receipt:	
	200 West Mer Suite 401				Date of r	Date of receipt::				ory W.O. #:		
	/W	ard	Seattle, WA	98119	Condition	a tipop receipt:			- ·			

Condition upon receipt:

Cooler temperature:

Time of receipt:

Received by:

43

AOC3 Fish/Crab Tissue

# CHAIN-OF-CUSTODY/TEST REQUEST FORM .

Axys

Ship to:

Project Number:  Contact Name:  Sampled By:	Tas			Attn:						
	Am					Georgi	na Brooks	Shipping	No. AOC3 20 Shipping Date: 9/25/17	
Compled D.		ara vanuervort	_	Ship	per:	Courie	ſ	Airbill N		
Sampled by:				Form	filled out by:	Α.	Vandervort		and requested:	
	TD,	KM, NM, JR, and MY	X	=						andard
					T				т —	
185	i	7			Tes	t(s) Request	ed (check test(s) req	uired)	4	
					Dissection and Homogenization					
Sample			Volume of		ction					
Collection Date (m/d/y) Tim		Complete design (	Sample / # of		Jisser				Comments /	Instructions
	_	Sample Identification	Containers	Matrix	+	_			[Composi	e/Bag ID]
		LDW17-R2-DC005	1	Tissue	X				2-DC-comp1 (	28215-26
		LDW17-R2-DC009	1	Tissue	X			P .	2-DC-comp1	- 26
		LDW17-R2-DC008	1	Tissue	X				2-DC-comp1	-26
		LDW17-R2-DC002	1 -	Tissue	X				2-DC-comp1	-26
		LDW17-R2-DC001	1	Tissue	Х				2-DC-comp2	-27
		LDW17-R2-DC006	1	Tissue	x				2-DC-comp2	-27
	5:13	LDW17-R2-DC003	1	Tissue	x				2-DC-comp2	-27
8/30/2017 15	5:13	LDW17-R2-DC004	1	Tissue	х				2-DC-comp2	-27
	-									
	-									
	T	otal Number of Containers	8	Purchase Orde	r / Statement o	of Work#	PO 2017-0020			
1) Released by:	4	1) Rec'd by:	250		2) Released by:			2) Rec'd by:		
Print name:	ini	envolt	1849	1	Print name:					
Signature:	and	Company:	200 /21	10	Signature:			Company:	19	
Company: W	-d-	ward -	SGS AXY	t S	Company:					
Date/Time:	26	Date/Time:	6-Sep-201	7 11:05	Date/Time:			Date/Time:	9	
ribution: White copies accompany shipment; yellow retained by consignor.										
						T	he completed	hy Laborate	ory upon sampl	a socoled-



То	be completed by Laboratory upon	sample receipt:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page <b>23</b> of 317

AOC3 Fish/Crab Tissue

Project/Client Name:

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

Project/Client Nam		C3 Fish/Crab Tissue	Shi	o to:	Axys						No. AOC3 2017-0020	
Project Number:		sk 4		Attı	n:	Georgi	na Bro	oks		Shipping	Date:	9/25/17
Contact Name:	Am	ara Vandervort		Ship	oper:	Courie	r			Airbill Number: N/A		N/A
Sampled By:				For	m filled out by:	Α.	A. Vandervor			Turnarou	and reques	
	TD	, KM, NM, JR, and MY										Standard
	2				1	WILDING TO STATE OF THE STATE O	1121120121		0 770		1	
1					E lest	(s) Request	ed (checl	k test(s) re	equired)		-	
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization							mments / Instructions [Composite/Bag ID]
8/30/2017	11:19	LDW17-R2-GC014	1	Tissue	x			L2824	5-21	KD		mp1 (Bag 1)
9/5/2017	15:22	LDW17-R2-GC104	1	Tissue	x				-27		₹-GC-00	emp1 (Bag 1)
8/30/2017	8:50	LDW17-R2-GC008	1	Tissue	x				-21			emp1 (Bag 1)
8/29/2017	13:18	LDW17-R2-GC007	1	Tissue	×				-21		1	mp1 (Bag 2)
9/1/2017	13:48	LDW17-R2-GC084	1	Tissue	×				-21			mp1 (Bag 1)
8/30/2017	13:24	LDW17-R2-GC022	1	Tissue	×				-27			emp1 (Bag 2)
8/30/2017	8:50	LDW17-R2-GC009	1	Tissue	х				-21			mp1 (Bag 1)
		150									1 00 00	(DGB 1)
						1						
	T	otal Number of Containers	7	Purchase Ord	er / Statement c	of Work # I	O 2017	-0020				
Print name: A Moderno Tompai Signature: Company: Company: Company: Date/Time: 912417		Company: S  Company: S  Date/Time:	665 AXY- 26-80p-20		2) Released by: Print name: Signature: Company: Date/Time:	-		(4)	Co	P.) Rec'd by:  Company:  Date/Time:		
istribution: White copi	es accompan	y shipment; yellow retained by consigno	r.	7								
	1	200 Wort Me	_	'		To	be co	mplete	d by La	borato	ry upon	sample receipt:



Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

10	be completed by Laboratory upo	n sample receipt:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page 24 of 317

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# CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name	=: <u>AO</u>	C3 Fish/Crab Tissue		Ship	to:	Axys			No. AOC3 2017-0020		
Project Number.	Tas	sk 4		Attn	:	Georgina	a Brooks		Shipping	Date:	9/25/17
Contact Name:	Am	ara Vandervort		Ship	рег.	Courier			Airbill Nu		N/A
Sampled By:				Forn	n filled out by:	A. \	Vandervort		Turnarou	and reques	
	TD	, KM, NM, JR, and MY									Standard
					Tect	t(s) Requested	(check test(s) re-	nuisad\		T	
					ъ. <u>Б</u> . д	Toy regoested	(check test(s) re	quireuj		1	
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization					Co	omments / Instructions
8/30/2017	11:47	LDW17-R2-GC018	1	Tissue	x		L282	<u> </u>	22	2 60 8	[Composite/Bag ID] omp2 (Bag 2)
9/1/2017	14:13	LDW17-R2-GC091	1	Tissue	x		2002	-	22		omp2 (Bag 1)
9/1/2017	14:13	LDW17-R2-GC090	1	Tissue	x			_	22		omp2 (Bag 1)
9/1/2017	13:35	LDW17-R2-GC080	1	Tissue	х				22		omp2 (Bag 1)
9/1/2017	13:05	LDW17-R2-GC086	1	Tissue	X				22		omp2 (Bag 1)
9/1/2017	13:05	LDW17-R2-GC088	1	Tissue	х				22	_	omp2 (Bag 1)
8/29/2017	10:15	LDW17-R2-GC001	1	Tissue	х			_	22		omp2 (Bag 2)
											1,008.27
	T	otal Number of Containers	7	Purchase Orde	er / Statement o	of Work # PC	2017-0020			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
1) Released by: Print name: Signature: Company: Date/Time:	Vand		26-Sep-2017	11:05	2) Released by:  Print name:  Signature:  Company:  Date/Time:		- s	Co	ec'd by: empany: ete/Time:		41
stribution: White copie	es accompan	y shipment; yellow retained by consign									73



То	be completed by Laboratory upon	sample receipt:
Date of receipt::	Laboratory W.O. #;	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page 25 of 317

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

SGS AXYS Page 26 of 317

Project/Client Nam	e: AC	AOC3 Fish/Crab Tissue Ship to: Axys									7.	No. AOC3 2017-0020
Project Number:	Ta	sk 4			Attr	ı:	Geor	gina Bro	ooks		Shipping Dat	
Contact Name:	Am	nara Vandervort		8	Ship	pper:	Cour	ег			Airbill Numbe	
Sampled By:		-			Forr	n filled out by:	A	. Vano	lervort		Turnaround r	
	TD	D, KM, NM, JR, and MY								-		Standard
								2/=1 5/0/	W = 3/4	787.Tura		
1				0		_ 5 le	st(s) Reque	sted (ched	ck test(s) re	quired)	-	
Sample Collection Date (m/d/y)	Time	Sample Ide	ntification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization						Comments / Instructions [Composite/Bag ID]
9/1/2017	14:22	LDW17-R2-GC09	94	1	Tissue	х			1282	15-23	2-	GC-comp3 (Bag 1)
9/5/2017	14:11			1	Tissue	х				-23		GC-comp3 (Bag 1)
8/30/2017	10:03	LDW17-R2-GC0:		1	Tissue	X				23		GC-comp3 (Bag 1)
8/30/2017		LDW17-R2-GC03		1	Tissue	x				-23		GC-comp3 (Bag 2)
9/1/2017	13:05			1	Tissue	x				-23		GC-comp3 (Bag 1)
9/1/2017	13:05			1	Tissue	х				-23		GC-comp3 (Bag 1)
8/30/2017	12:56	LDW17-R2-GC02	21	1	Tissue	X	-			-23		GC-comp3 (Bag 2)
									+			
		otal Number of	Containers	7	Durchase O-d	151-1						×
1) Released by:		otal Italitaci of	1) Rec'd by	1,0	Furchase Orde	er / Statement	of Work	# PO 201	7-0020	_		
Print name: A. Van dervolt Signature: Company: SGS AV Date/Time: G/26/17 Date/Time: 26-SCP-201				HDD 565 AXY	15	2) Released by: Print name: Signature: Company:		8		Co	ompany:	
				- 16:05	Date/Time:				Da	ite/Time:		
istribution: White cop	ies accompar	ny shipment; yellow reta	ained by consigno	Dr.	14			To be co	mnlete	d by L-	horotor	
	200 West Mercer Street					eceipt::		O DE CO	Laboratory W.O. #:			upon sample receipt:
Ward Suite 401 Seattle, WA 98119 Tel: (206) 378-1364				Condition	upon receipt:				me of re			
/	environ	ппептат	E (200) 51	7 00 10				- 7				

Cooler temperature:

Tel: (206) 378-1364 Fax: (206) 217-9343

Received by:

of 43

AOC3 Fish/Crab Tissue

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Project/Client Nam	ne: AO	C3 Fish/Crab Tissue		Ship	o to:	Axys				No. AOC3 2017-0020
Project Number:	Tas	sk 4		Attr	1:	Georgi	na Brooks	Shippin	g Date:	9/25/17
Contact Name:	Am	nara Vandervort		Ship	pper:	Courie	Г	Airbill N	lumber:	N/A
Sampled By:				Forr	n filled out by:	Α.	Vandervort	Turnaro	und request	ed:
	_TD	, KM, NM, JR, and MY								Standard
				T						
					Tes	t(s) Request	ed (check test(s) requ	ired)		
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization					mments / Instructions Composite/Bag ID]
9/5/2017	14:39	LDW17-R2-GC102	1	Tissue	×		LZ8Z 15	-74	Non-re-en	mp4 (Bag 1)
8/30/2017	11:47	LDW17-R2-GC020	1	Tissue	x			-24		mp4 (Bag 2)
9/1/2017	13:48	LDW17-R2-GC083	1	Tissue	х			-24		mp4 (Bag 1)
8/29/2017	12:58	LDW17-R2+GC002	1	Tissue	x			-24		mp4 (Bag 2)
9/1/2017	13:58	LDW17-R2-GC085	1	Tissue	x			-24		mp4 (Bag 1)
8/30/2017	12:01	LDW17-R2-GC019	1	Tissue	x			-24		mp4 (Bag 2)
9/1/2017	14:03	LDW17-R2-GC092	1	Tissue	x			-24		mp4 (Bag 1)
9/5/2017	14:11	LDW17-R2-GC097	1	Tissue	x		-	-25	2-GC-co	
8/30/2017	11:19	LDW17-R2-GC016	1	Tissue	x			-25	2-GC-co	
										100000
			1							
		Total Number of Containers	9	Purchase Ord	er / Statement (	of Work #	PO 2017-0020			
1) Released by: Print name: Signature: Company:	Wand Wand	1) Rec'd by:  Company:	165 AXYS -Sep-2017	c	2) Released by:  Print name:  Signature:  Company:			2) Rec'd by: Company:		8 10
Date/Time:	9/21	e 17 Date/Time: 26	,-Sep-2017	- 11:05	Date/Time:	-		Date/Time:		
Distribution: White cop	ies accompar	ny shipment; yellow retained by consigno	ır.							



То	be completed by Laboratory upon sa	ample receipt:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS

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AOC3 Fish/Crab Tissue

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Ship to:

Project/Client Name	E AU	AUG FISH/Crab Tissue			Ship to: Axys No						23 2017-0020
Project Number:		sk 4		Attn		Georgi	na Brooks		Shipping Date: 9/25		
Contact Name:	Am	nara Vandervort		Ship	per:	Courie	Courier			r: N/A	
Sampled By:		4		Forn	n filled out by:	Α.	Vandervort		Turnaround re	equested:	
	TD	, KM, NM, JR, and MY								Star	ndard
				1							
			1		Tes	t(s) Request	ed (check test(s)	required)			
					Dissection and Homogenization						
Sample			Volume of		ction	382					
Collection Date (m/d/y)	Time	Comple Ideat'F	Sample / # of		Disse			1		Comments / I	nstructions
		Sample Identification	Containers	Matrix				1		[Composite	/Bag ID]
8/31/2017	11:21		1	Tissue	Х				1a-	SS-comp1 \(\( \alpha \)	8215-28
8/31/2017	11:21		1	Tissue	X				1a-	SS-comp1	-28
8/31/2017	10:42	LDW17-R1A-SS192	1	Tissue	×				1a-	SS-comp1	-28
8/31/2017	13:47		1	Tissue	X				1a-	SS-comp1	-28
8/31/2017	13:47	LDW17-R1A-SS220 /	1	Tissue	x				1a-	-SS-comp1	-28
8/31/2017		LDW17-R1A-SS199	1	Tissue	X				1a-	SS-comp1	-28
8/31/2017	13:47		1	Tissue	х				1a-	SS-comp1	-28
8/31/2017	10:42	LDW17-R1A-SS193	1	Tissue	х					SS-comp1	-28
8/31/2017	11:21	LDW17-R1A-SS207	1	Tissue	x					SS-comp1	-28
8/31/2017	13:26	LDW17-R1A-SS213	1	Tissue	х					SS-comp1	-28
8/31/2017	13:47	LDW17-R1A-SS236	1	Tissue	х					SS-comp1	-28
8/31/2017	10:42	LDW17-R1A-SS189	1	Tissue	x					SS-comp1	-28
		otal Number of Containers	12	Purchase Orde	er / Statement	of Work # !	PO 2017-0020		1 120	55 COMPT	
1) Released by:	1.0	1) Rec'd by:	10	X	2) Released by:			2) (	Rec'd by:		-
Print name:	Nand	levost,	MAN		Print name:			2/ 1	tec u by.		
Signature:	9 Va-	dust Company:	- 4 (		Signature:				ompany:		
Company:	hima	howd 5	65 AXYJ	'	Company:		A				
Date/Time:	1100	Date/Time:	65 AXYS	7 11:25	Date/Time:			1	Date/Time:		
	1126			+ 11.00							
Distribution: White copie	es accompan	ny shipment; yellow retained by consigno	ır.								
						To	be complet	ed by I	aboratory (	mon sample	receint.



IO DE CON	be completed by Laboratory upon sample receipt:						
Date of receipt::	Laboratory W.O. #:	7					
Condition upon receipt:	Time of receipt:						
Cooler temperature:	Received by:	SGS AXYS Page 28 of 317					
		Page 20 01 317					

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AOC3 Fish/Crab Tissue

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

Project/Client Name:	AC	AOC3 Fish/Crab Tissue			Ship t	to:	Axys				No. AOC3 2017-0020		
Project Number:	Ta	sk 4			Attn:		Georgi	na Broo	ks	Shippi	Shipping Date: 9/25/17		
Contact Name:	Am	nara Vandervort			Shipp	per:	Courier			-	Number: N/A		
Sampled By:					Form	filled out by:	Α.	Vande	rvort		round requested:		
	TD	, KM, NM, JR, and MY									· ·	Standard	
			· ·	<del></del>		T			_				
						Tes	t(s) Request	ed (check	test(s) requ	uired)	_		
	îme	Sample Identification	Volume of Sample / # of Containers	Matr	-ix	Dissection and Homogenization				8		s / Instructions site/Bag ID]	
	11:21	LDW17-R1A-SS198 /	1	- Tissu	ıe	х					1a-SS-comp1	L28215-28	
	11:21	LDW17-R1A-SS202 /	1	Tissu	16	X -					1a-SS-comp1	-28	
	13:47	LDW17-R1A-SS230 /	1	Tissı	1e	х					1a-SS-comp1	-2.8	
	11:21	LDW17-R1A-SS195	1	Tissu	ıe	х					1a-SS-comp2	-Z9	
	13:47	LDW17-R1A-SS216	1	Tissu	16	х					1a-SS-comp2	-29	
	13:47	LDW17-R1A-SS218	1	Tissu	16	х					1a-SS-comp2	-29	
	12:51	LDW17-R1A-SS209 /	1	Tissu	16	х					1a-SS-comp2	-29	
8/31/2017	10:42	LDW17-R1A-SS185	1	Tissı	16	х					1a-SS-comp2	-29	
8/31/2017	13:47	LDW17-R1A-SS214 ,	1	Tissu	1e	х					1a-SS-comp2	-29	
8/31/2017	13:47	LDW17-R1A-SS232	1	Tissu	ıe	x					1a-SS-comp2	-29	
8/31/2017	13:47	LDW17-R1A-SS229 /	1	Tissu	ıe	x					1a-SS-comp2	-29	
8/31/2017	12:51	LDW17-R1A-SS208	1	Tissu	ie	х					1a-SS-comp2	-29	
	Ţ	otal Number of Containers	12	Purchase	Order	/ Statement of	of Work #	2017	-0020		Ta-33-compz		
1) Released by: Print name: Signature: Company: Date/Time:	Vana Viv		6-Sep-201	-	2	Print name: Signature: Company: Date/Time:			3020	2) Rec'd by: Company Date/Tim	c		
stribution: White copies a	ccompan	y shipment, yellow retained by consigno											
	1	200 West Me					To	be cor	npleted	by Labora	tory upon samp	le receipt:	



Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

	picted by Euporatory upon se	mpie receipt.
Date of receipt::	Laboratory W.O. #;	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page 29 of 317

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AOC3 Fish/Crab Tissue

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Ship to:

Project/Client Name: AUG FISN/Crab Tissue		Ship	Ship to: Axys			No. AOC3 2017-0020					
Project Number:	Tas	sk 4		Attr	1:	Georgi	na Brooks	Shippin	Shipping Date: 9/25/17		
Contact Name:	Am	nara Vandervort		Ship	pper.	Courie	r	Airbill N	lumber: N/A		
Sampled By:	f By:		For	n filled out by:	Α.	Vandervort	Tumaro	und requested:			
	TD	, KM, NM, JR, and MY								Standard	
			-	Γ	Tee	*/=\ D =	sarveo. La conve		_		
					T es	t(s) Request	ed (check test(s)	required)			
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization				11126-11	ts / Instructions osite/Bag ID]	
8/31/2017	13:47	LDW17-R1A-SS240	1	Tissue	×			1 1			
8/31/2017	13:47	LDW17-R1A-SS237	1	Tissue	x				1a-SS-comp2	L28215-29	
8/31/2017	11:21	LDW17-R1A-SS196 /	1	Tissue	x			1	1a-SS-comp2	-29 -29	
8/31/2017	11:21	LDW17-R1A-SS203	1	Tissue	×			1	1a-SS-comp2	-29	
8/31/2017	13:47	LDW17-R1A-SS233	1	Tissue	x			1 1	1a-SS-comp2	-29	
8/31/2017	13:47	LDW17-R1A-SS234 /	1	Tissue	×			1	1a-SS-comp2	-29	
8/31/2017	13:26	LDW17-R1A-SS210	1	Tissue	x			1	1a-SS-comp3		
8/31/2017	10:42	LDW17-R1A-SS194 ,	1	Tissue	х				1a-SS-comp3	-30 -30	
8/31/2017	13:47	LDW17-R1A-SS224	1	Tissue	x				1a-SS-comp3	-30	
8/31/2017	10:42	LDW17-R1A-SS186	1	Tissue	х				1a-SS-comp3		
8/31/2017	10:42	LDW17-R1A-SS184	1	Tissue	x				1a-SS-comp3	-30 -30	
8/31/2017	13:47	LDW17-R1A-SS235	1	Tissue	х				1a-SS-comp3	-30	
	1	otal Number of Containers	12	Purchase Ord	er / Statement	of Work #	PO 2017-0020	1	120 33 0011193	30	
1) Released by: Print name: Signature: Company: Date/Time:	yana Win 1126	1) Rec'd by:  lengt Company  diverd  Date/Time	SGS AX		2) Released by: Print name: Signature: Company: Date/Time:	2		2) Rec'd by:  Company:  Date/Time:			
Distribution: White cop	ies accompar	ny shipment; yellow retained by consi		a		Te	be complet	ed by Laborat	ory upon sam	ple receipt:	
	/	200 West	Mercer Street								



Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

То	be completed by Laboratory upon sample receipt:	
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by: SGS	AXYS
•	Page 30	of 317

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AOC3 Fish/Crab Tissue

environmental LLC

Tel: (206) 378-1364 Fax: (206) 217-9343

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Ship to:

Page 31 of 317

Project/Client Nam	ne: AC	JC3 FISH/Crab Tissue	Ship	Ship to: Axys			No. AOC3 2017			AOC3 2017-0020		
Project Number:	-	sk 4		Attr	ר:	Georg	Georgina Brooks				5/17	
Contact Name:	An	nara Vandervort		Shìr	Shipper:		Courier			Airbill Number: N/A		
Sampled By:		¥		Fort	Form filled out by:		A. Vandervort		-0	und requested:		
	TD	P, KM, NM, JR, and MY									Standard	
					Tes	t(s) Request	ed (check te	st(s) required	)		1	
Sample Collection Date			Volume of Sample / # of		Dissection and Homogenization						*: *	
(m/d/y)	Time	Sample Identification	Containers	Matrix	l Hol						nts / Instructions posite/Bag (D)	
8/31/2017	13:47	LDW17-R1A-SS225	1	Tissue	x	Ì			1		L 28215-3	
8/31/2017	13:47	LDW17-R1A-SS228	1	Tissue	x					1a-SS-comp3		
8/31/2017	13:26	LDW17-R1A-SS212	1	Tissue	x					1a-SS-comp3		
8/31/2017	13:47	LDW17-R1A-SS219	1	Tissue	x					1a-SS-comp3		
8/31/2017	10:42	LDW17-R1A-SS191	1	Tissue	x				_	1a-SS-comp3		
8/31/2017	13:26	LDW17-R1A-SS211	1	Tissue	x					1a-SS-comp3		
8/31/2017	13:47	LDW17-R1A-SS215	1	Tissue	x					1a-SS-comp3		
8/31/2017	13:47	LDW17-R1A-SS217	1	Tissue	×					1a-SS-comp3		
8/31/2017	10:42	LDW17-R1A-SS182	1	Tissue	×					1a-SS-comp3		
8/30/2017	14:00	LDW17-R1B-SS124	1	Tissue	×				-	1b-SS-comp1		
8/31/2017	10:17	LDW17-R1B-SS178	1	Tissue	×					1b-SS-comp1		
8/31/2017	8:45	LDW17-R1B-SS138	1	Tissue	x					1b-SS-comp1	U,	
	T	<b>Fotal Number of Containers</b>	12	Purchase Orde	er / Statement o	of Work #	PO 2017-00	)20		110 00 comp1	31	
1) Released by: Print name: Signature: Company:	AVAC	lervort 1) Rec'd by: 2 anderwat Company:	JAM S65 AX4		Released by:     Print name:     Signature:     Company:			2) 1	Rec'd by: Company:	m	e e	
Date/Time:	9/2	lelit a	6-Sep-201	7 11:05	Date/Time:				Date/Time:			
inbution: White copi	ies accompar	ny shipment; yellow retained by consign	Dr.			To	be comm	leted by	ahorate	ory upon sam	ınla racaint	
	/	200 West M 7 1 Suite 401	ercer Street	Date of re	eceipt::				ry W.O. #:		ipie receipt:	
	/W	ard Seattle, WA	98119	Candition								

Condition upon receipt:

Cooler temperature:

Time of receipt:

Received by:

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-		70

AOC3 Fish/Crab Tissue

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

AU	AOC3 Fish/Crab Tissue			Ship to: Axys					No. AOC3 2017-0020		
Tas	k 4		Attı	n: T	Georgi	na Broo	oks	Shipping			
Am	ara Vandervort		Shi	ррег:	Courie						
			For	m filled out by:	Α.	Vande	ervort		-		
TD,	KM, NM, JR, and MY					*				ndard	
		1									
				Tes	t(s) Request	ed (check	test(s) requi	ired)			
Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenizatio					Comments /		
10:17	LDW17-R1B-SS164	1	Tissue	x							
10:17	LDW17-R1B-SS179 /	1	Tissue	х						-31	
14:00	LDW17-R1B-SS121 ′	1	Tissue	х						-31	
14:00	LDW17-R1B-SS125 ′	1	Tissue	х						-31	
9:49	LDW17-R1B-SS153 ′	1	Tissue	х						-31	
10:17	LDW17-R1B-SS168 /	1	Tissue	х						-31	
		1	Tissue	х						-31	
		1	Tissue	x					t	-3(	
9:49	LDW17-R1B-SS161	1 //	Tissue	x						-31	
14:00	LDW17-R1B-SS132 7	1	Tissue	×						-31	
8:45	LDW17-R1B-SS145	1	Tissue	×						-31	
8:45	LDW17-R1B-SS137 /	1	Tissue	х						-31	
To	otal Number of Containers	12	Purchase Ord	er / Statement o	of Work # I	0 2017	-0020	*************			
Min	Company:	<b>Joban</b> 365-AXYS 26-Sep-20	ž	2) Released by: Print name: Signature: Company: Date/Time:				Rec'd by:      Company:  Date/Time:	×	0.5	
	Tas Am. TD, TD, 10:17 10:17 14:00 9:49 10:17 8:45 10:17 9:49 14:00 8:45 8:45	Task 4 Amara Vandervort  TD, KM, NM, JR, and MY  TD, KM, NM, JR, and MY  Sample Identification  10:17 LDW17-R1B-SS164  10:17 LDW17-R1B-SS179  14:00 LDW17-R1B-SS121  14:00 LDW17-R1B-SS125  9:49 LDW17-R1B-SS168  8:45 LDW17-R1B-SS160  10:17 LDW17-R1B-SS161  14:00 LDW17-R1B-SS161  14:00 LDW17-R1B-SS161  14:00 LDW17-R1B-SS132  8:45 LDW17-R1B-SS132  8:45 LDW17-R1B-SS137  Total Number of Containers  1) Rec'd by:	Task 4  Amara Vandervort  TD, KM, NM, JR, and MY  Volume of Sample /# of Containers  10:17 LDW17-R1B-SS164 1  10:17 LDW17-R1B-SS179 1  14:00 LDW17-R1B-SS121 1  14:00 LDW17-R1B-SS125 1  9:49 LDW17-R1B-SS153 1  10:17 LDW17-R1B-SS168 1  8:45 LDW17-R1B-SS150 1  10:17 LDW17-R1B-SS161 1  14:00 LDW17-R1B-SS161 1  14:00 LDW17-R1B-SS161 1  14:00 LDW17-R1B-SS132 1  8:45 LDW17-R1B-SS137 1  Total Number of Containers 12	Task 4  Amara Vandervort  TD, KM, NM, JR, and MY  Volume of Sample / # of Containers  10:17 LDW17-R1B-SS164  10:17 LDW17-R1B-SS179  11 Tissue  14:00 LDW17-R1B-SS121  12 Tissue  14:00 LDW17-R1B-SS125  13 Tissue  14:01 LDW17-R1B-SS153  14:02 LDW17-R1B-SS153  15:02  16:07 LDW17-R1B-SS153  1 Tissue  10:17 LDW17-R1B-SS150  1 Tissue  10:17 LDW17-R1B-SS150  1 Tissue  10:17 LDW17-R1B-SS151  1 Tissue	Task 4  Amara Vandervort  TD, KM, NM, JR, and MY   Volume of Sample /# of Containers  Natrix  Tissue x  10:17 LDW17-R18-SS164  10:17 LDW17-R18-SS121  11 Tissue x  14:00 LDW17-R18-SS125  12 Tissue x  10:17 LDW17-R18-SS153  13 Tissue x  10:17 LDW17-R18-SS153  14:00 LDW17-R18-SS153  15 Tissue x  10:17 LDW17-R18-SS168  16 Tissue x  17 Tissue x  18:45 LDW17-R18-SS161  17 Tissue x  18:45 LDW17-R18-SS161  17 Tissue x  18:45 LDW17-R18-SS161  18:45 LDW17-R18-SS132  19:49 LDW17-R18-SS161  19:49 LDW17-R18-SS161  10:17 LDW17-R18-SS161	Task 4  Attn:  Georgia  Amara Vandervort  TD, KM, NM, JR, and MY   Test(s) Requeste  Sample Identification  Containers  Natrix  Test(s) Requeste  Sample / # of Containers  Natrix  Test(s) Requeste  Poly 10	Task 4  Amara Vandervort  TD, KM, NM, JR, and MY    Volume of Sample   # of Containers   Matrix   Test(s) Requested (check   Volume of Sample   # of Containers   Matrix   Test(s) Requested (check   Volume of Sample   # of Containers   Matrix   Test(s) Requested (check   Volume of Sample   # of Containers   Matrix   Test(s) Requested   Check   Volume of Sample   # of Containers   Test(s) Requested   Check   Volume of Sample   # of Containers   Matrix   Test(s) Requested   Check   Volume of Sample   # of Containers   Matrix   Volume of Sample   # of Containers   Test(s) Requested   Check   Volume of Sample   # of Containers   X   Volume of Containers   X   Volume of Sample   # of Containers   X   Volume of Sample   # of Containers   X   Volume of Containers   X   Volume of Containers   X   Volume of Company;   Test(s) Requested   X   Volume of Containers   X   Volume of Company;   X   Volume of Containers   X   Volume of Containers   X   Volume of Company;   X   Volume of Containers   X   Volume of Containers   X   Volume of Containers   X   Volume of Company;   X   Volume of Containers   Task 4  Attn: Shipper: Form filled out by:  A. Vandervort  TD, KM, NM, JR, and MY   Test(s) Requested (check test(s) requ	Task 4  Amara Vandervort  Shipper: Form filled out by:  TD, KM, NM, JR, and MY  Test(s) Requested (check test(s) required)  Total Number of Containers  Attrix  Shipper: Form filled out by:  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requested (check test(s) required)  Tumarout  Tumarout  Tumarout  Tumarout  Test(s) Requ	Task 4		



Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

	To be completed by Laboratory upon sample receipt:					
Date of receipt::	Laboratory W.O. #:					
Condition upon receipt:	Time of receipt:					
Cooler temperature:	Received by:	SGS AXYS				
		Page 32 of 317				

Project/Client Name:

AOC3 Fish/Crab Tissue

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Ship to:

No. AOC3 2017-0020

,	roject Number: 1 ask 4			Attr	Georgina Brooks			Shipping Date: 9/25/17		
Contact Name:	Am	nara Vandervort		Ship	oper.	Courie			Airbill Number:	N/A
Sampled By:	TD	, KM, NM, JR, and MY	1	Forr	m filled out by:	Α.	Vandervo	ort	Turnaround rec	uested: Standard
Г			T	T						
1					Tes	t(s) Request	ed (check test	t(s) required)		
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization					Comments / Instructions [Composite/Bag ID]
8/31/2017	10:17	LDW17-R1B-SS177	1	Tissue	x				1b-S	S-comp2 L28215-
8/31/2017		LDW17-R1B-SS148 y	1	Tissue	x					S-comp2 - 3
8/31/2017	9:49		1	Tissue	×				1b-5	S-comp2 - 3
8/30/2017		LDW17-R1B-SS135 /	1	Tissue	x				1b-S	S-comp2 -3
8/31/2017	10:17		1	Tissue	×				1b-S	S-comp2
8/31/2017	8:45	LDW17-R1B-SS144	1	Tissue	x					S-comp2
8/31/2017	8:45	LDW17-R1B-S5146 /	1	Tissue	x					S-comp2
8/31/2017	9:49	LDW17-R1B-SS157	1	Tissue	x					S-comp2
8/30/2017	14:00	LDW17-R1B-SS133	1	Tissue	х					S-comp2
8/31/2017	10:17	LDW17-R1B-SS173	1	Tissue	x					S-comp2 — 3
8/31/2017	9:49	LDW17-R1B-SS151	1	Tissue	x					S-comp2 —
8/31/2017	10:17	LDW17-R1B-SS169 /	1	Tissue	x					S-comp2
	T	otal Number of Containers	12	Purchase Orde	Purchase Order / Statement of Work # PO 2017-0020					o comp2
1) Released by: Print name: Signature: Company: Date/Time:	Non Man Man	desvolt  desort  Company:  Date/Time:	1600 565 AX	15	2) Released by: Print name: Signature: Company: Date/Time:		×	2) R	lec'd by: iompany: pate/Time:	



То	be completed by Laboratory upon sample receipt	:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	S AXYS
	Page	33 of 317

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# CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Nar	me: AC	C3 Fish/Crab Tissue		Ship	o to:	Axys		<sup>a</sup> No.	AOC3 2017-0020	
Project Number:	Ta	sk 4		Attr	1:		na Brooks	Shippir	ng Date: 9/25	
Contact Name:	Am	nara Vandervort		Ship	per:	Courie			Number: N/A	
Sampled By:					n filled out by:		Vandervort			
	_TD	, KM, NM, JR, and MY				7.0	Validervort	Turnare	ound requested:	Ctanderd
						*				Standard
					Tes	t(s) Request	ed (check test(s) re	quired)	T	
					Dissection and Homogenization			901100)	7	
Sample			Nalusa at		on a					
Collection Date			Volume of Sample / # of		mog			5	_	
(m/d/y)	Time	Sample Identification	Containers	Matrix	5 E					ts / Instructions osite/Bag ID]
8/30/2017	14:00	LDW17-R1B-SS136 /	1	Tissue	х					L28215-32
8/31/2017	10:17	LDW17-R1B-SS175 /	1	Tissue	x				1b-SS-comp2	
8/30/2017	14:00	LDW17-R1B-SS130 /	1	Tissue	x				1b-SS-comp2	
8/31/2017	9:49	LDW17-R1B-SS152 /	1	Tissue	х				1b-SS-comp3	
8/30/2017	14:00	LDW17-R1B-SS122 /	1	Tissue	x				1b-SS-comp3	
8/31/2017	9:49	LDW17-R1B-SS158	1	Tissue	x				1b-SS-comp3	-33
8/31/2017	8:45	LDW17-R1B-SS140	1	Tissue	x				1b-SS-comp3	-33
8/31/2017	9:49	LDW17-R1B-SS160 /	1	Tissue	x				1b-SS-comp3	-33
8/31/2017	9:49	LDW17-R1B-SS155	1	Tissue	x				1b-SS-comp3	
8/31/2017	8:45	LDW17-R1B-SS149 /	1	Tissue	х				1b-SS-comp3	-33
8/31/2017	8:45	LDW17-R1B-SS142 /	1	Tissue	х				1b-SS-comp3	-33
8/31/2017	10:17	LDW17-R1B-SS176 /	1	Tissue	х				1b-SS-comp3	-33
	T	otal Number of Containers	12	Purchase Orde	er / Statement of	of Work # I	PO 2017-0020			-33
1) Released by:	110	1) Rec'd by:	10		2) Released by:			2) Rec'd by:		
Print name:	4 Jan	denost	KIN		Print name:			L) Recurby.		
Signature:	X Vm	levort Company:	C		Signature:			Company:		
Сотрапу:	rowa	ward	SPR MXA:	5	Company:					
Date/Time:	910	Date/Time			Date/Time:			Date/Time:		
Distribution: White co	nios associate	WIT F	26-Sep-201	7 11:05			<u> </u>			-
- Stronger, White Co.	bies accompan	y shipment; yellow retained by consign	10r,			<b>-</b> -	h			
	/	200 West N	Mercer Street			10	De completed	by Laborat	tory upon sam	ple receipt:



Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

Date of receipt::	Laboratory W.O. #:	annya vaccipa.
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
	The state of the s	Page 34 of 317

33 of 43	13
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Project Number:

AOC3 Fish/Crab Tissue

Suite 401

Seattle, WA 98119

Tel: (206) 378-1364 Fax: (206) 217-9343

Task 4

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Ship to:

No. AOC3 2017-0020

SGS AXYS Page 35 of 317

Project Number:				Att	n:	Georgi	na Brooks	Shippir	Shipping Date: 9/25/17		
Contact Name:	Arr	nara Vandervort		Shi	pper.	Courie		1 liidriA	Number:	N/A	
Sampled By:				For	m filled out by:	Α.	Vandervort	Turnard	ound reque	ested:	
	TD	, KM, NM, JR, and MY						<b>Y</b>	·	Stan	idard
	-				Test	t(s) Request	ed (check test(s) re	quired)			
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization			-	C	omments / In [Composite/	
8/31/2017	9:49	LDW17-R1B-SS159 >	1	Tissue	х				1h-SS-		8215-33
8/31/2017	10:17	LDW17-R1B-SS174 /	1	Tissue	х					comp3 ZZ	-33
8/31/2017	8:45	LDW17-R1B-SS147 /	1	Tissue	х				1b-SS-	_	-33
8/30/2017	14:00	LDW17-R1B-SS129 ~	1	Tissue	х				1b-SS-		<u>-33</u>
8/30/2017	14:00	LDW17-R1B-SS128 /	1	Tissue	x	7				comp3	-33
8/31/2017	8:45	LDW17-R1B-SS139 /	1	Tissue	x				1b-5S-		-33
8/29/2017	10:15	LDW17-R2A-SS058	1	Tissue	х				2a-SS-0		- 36
8/29/2017	10:15	LDW17-R2A-SS033	1	Tissue	х				2a-SS-0		
8/29/2017	10:15	LDW17-R2A-SS036 /	1	Tissue	х				2a-SS-6		-36 -36
8/29/2017	9:14	LDW17-R2A-SS009 /	1	Tissue	х				2a-SS-0		- 36
8/29/2017	10:15	LDW17-R2A-SS049 /	1	Tissue	x				2a-SS-0		-36
8/29/2017	10:15	LDW17-R2A-SS059 /	1	Tissue	x				2a-SS-0		-36
	T	otal Number of Containers	12	Purchase Orc	er / Statement o	of Work # I	PO 2017-0020		28-33-0	Joinpi	36
1) Released by: Print name: Signature: Company: Date/Time:	4. Van 4. Van 916		1909 SGS AXY 26-80-20		2) Released by: Print name: Signature: Company: Date/Time:	1	1	2) Rec'd by:  Company:  Date/Time:			
Distribution: White co	pies accompar /	ry shipment; yellow retained by consigno				То	be completed	by Labora	tory upo	n sample	receipt:
	1	200 West M	ercer Street								

Date of receipt::

Condition upon receipt:

Cooler temperature:

Laboratory W.O. #;

Time of receipt:

Received by:

Project Number:

43

Task 4

AOC3 Fish/Crab Tissue

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Georgina Brooks

Ship to:

Attn:

No. AOC3 2017-0020

SGS AXYS Page 36 of 317

Laboratory W.O. #:

Time of receipt:

Received by:

Project Number:	oject Number: Task 4			Att	n;	Georgin	na Brooks	Shipping	Shipping Date: 9/25/17		
Contact Name:	Am	nara Vandervort		Shi	pper:	Courier		Airbill Nu	ımber: N/A		
Sampled By:		g 9		For	m filled out by:	Α.	Vandervort	Turnarou	and requested:		
	TD	, KM, NM, JR, and MY								Standard	
	1										
1					Tes	st(s) Requeste	d (check test(s) req	uired)			
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization					ts / Instructions osite/Bag ID]	
8/29/2017	10:15	LDW17-R2A-SS035	1	Tissue	x				2a-SS-comp1	L28215-36	
8/29/2017	10:15	LDW17-R2A-SS060 /	1	Tissue	X				2a-SS-comp1	-36	
8/29/2017	9:14	LDW17-R2A-SS029	1	Tissue	x				2a-SS-comp1	-36	
8/29/2017	10:15	LDW17-R2A-SS053	1	Tissue	х				2a-SS-comp1	-36	
8/29/2017	10:15	LDW17-R2A-SS039 /	1	Tissue	х				2a-SS-comp1	-36	
8/29/2017	9:14	LDW17-R2A-SS028 /	1	Tissue	×				2a-SS-comp1	-36	
8/29/2017	9:14	LDW17-R2A-SS010 /	1	Tissue	×				2a-SS-comp1	-36	
8/29/2017	10:15	LDW17-R2A-SS037	1	Tissue	x				2a-SS-comp1	-36	
8/29/2017	9:14	LDW17-R2A-SS014 /	1	Tissue	x				2a-SS-comp1	-36	
8/29/2017	9:14	LDW17-R2A-SS024	1	Tissue	х				2a-SS-comp2	-37	
8/29/2017	10:15	LDW17-R2A-SS032	1	Tissue	x				2a-SS-comp2	-37	
8/29/2017	9:14	LDW17-R2A-SS026 /	1	Tissue	х				2a-SS-comp2	-37	
	1	otal Number of Containers	12	Purchase Ord	er / Statement	of Work # F	O 2017-0020				
1) Released by: Print name: Signature: Company: Date/Time:	4 Van Wind 912	de VD. F  dubt  Company:  Date/Time:	16-8p-20		Released by:     Print name:			2) Rec'd by:  Company:  Date/Time:		3	
Distribution: White co	pies accompar	ny shipment; yellow retained by consigno									
						¹To	be completed	by Laborato	rv unon cam	nla racainte	

Date of receipt::

Condition upon receipt:

Cooler temperature:

200 West Mercer Street

Seattle, WA 98119

Tel: (206) 378-1364 Fax: (206) 217-9343

Suite 401

AOC3 Fish/Crab Tissue

Project/Client Name:

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

Ship to:

No. AOC3 2017-0020

Project Number:	Tas	sk 4			Attn		Georgin	na Brooks	Sł	Shipping Date: 9/25/17		
Contact Name:	Am	ara Vandervort			Ship	per:	Courier			irbill Number:	N/A	
Sampled By:					Form	n filled out by:	Α.	Vandervorl	t Ti	urnaround rec	uested:	
	TD	, KM, NM, JR, a	nd MY								Sta	ndard
												41
						Tes	t(s) Requeste	ed (check test(s	s) required)			
						Dissection and Homogenization						
Sample				Volume of	1	ction						-
Collection Date (m/d/y)	Time	Sample Iden	tification	Sample / # of Containers	Matrix	Disse				İ	Comments /	
8/29/2017	10:15			1	Tissue	X	+		+ +		(Composite	
8/29/2017	9:14	LDW17-R2A-SS0		1	Tissue	\ \ \ \ \	-					2845-37
8/29/2017	9:14			1	Tissue						SS-comp2	-37
8/29/2017	10:15	LDW17-R2A-SSO		1	Tissue	X	-				SS-comp2	-3-7
8/29/2017	10:15			1	Tissue	X			+		SS-comp2	-37
8/29/2017	9:14	LDW17-R2A-SSO		1	Tissue	* x					SS-comp2	-37
8/29/2017	10:15			1	Tissue	\ \ \ \ \					5-comp2	-37
8/29/2017	10:15	LDW17-R2A-SSO		1	Tissue						S-comp2	-37
8/29/2017	10:15			1	Tissue	x			+		S-comp2	-37
8/29/2017	10:15			1	Tissue	x			++		S-comp2	-37
8/29/2017	9:14			1	Tissue	X			-		S-comp2	-37
8/29/2017	9:14	LDW17-R2A-SSO		1	Tissue	X			+		S-comp2	_37_
		otal Number of (		12		er / Statement	of Work # I	20 2017 0020		Za-S	SS-comp2	-37
1) Released by:	1 :		1) Rec'd by:	32-	Turchase Orac	2) Released by:	DI VVOIK # I	0 2017-0020				
Print name:	4. Vind	LOUNA.	in the disp.	KAAA	K	Print name:			2) Rec	a by:		
Signature: (	AVE	Mist	Company:	W		Signature:			Com	ipany:		
Company:	Ohin	duard		SGS AX	:45	Company:		¥.	2011	·F · ·J ·		
Date/Time:	912	blir	Date/Time:	SGS AX 26-Sep-201	7 11:05	Date/Time:			Date	e/Time:		
Distribution: White co	pies accompar	y shipment; yellow reta			13.			-				
							To	he comple	ted by Lak	oratory u	non sample	rocoint



Date of receipt::	Laboratory W.O. #:	
	Laboratory VV.O. #.	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS Page 37'of 317
		Page 37 of 317

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name	e: _AC	C3 Fish/Crab Tissue	Ship	to:	Axys			No. AOC3 2017-0020			
Project Number:	Ta	sk 4		Attn	:	Georgia	na Brooks	Shipp	ing Date:	9/25/17	
Contact Name:	An	nara Vandervort		Ship	per:	Courier	V-101		Number:	N/A	
Sampled By:				Forn	n filled out by:	A.	Vandervort		round reque		
	TD	, KM, NM, JR, and MY									andard
						Assessment of			_		
					Tes	it(s) Requeste	ed (check test(s)	required)	4		
Sample		+	Volume of		Dissection and Homogenization						
Collection Date			Sample / # of		omo					omments /	Instructions
(m/d/y)	Time	Sample Identification	Containers	Matrix	OI					[Composit	
8/29/2017	10:15		11	Tissue	x				2a-SS-	comp3 /	28215-38
8/29/2017	9:14		1	Tissue	х					comp3	-38
8/29/2017	9:14	LDW17-R2A-SS007 /	1	Tissue	x				2a-SS-	comp3	-38
8/29/2017	10:15		1	Tissue	Х				2a-SS-		-38
8/29/2017	10:15	LDW17-R2A-SS048 /	1	Tissue	x				2a-SS-	comp3	-38
8/29/2017	9:14	LDW17-R2A-SS001	1	Tissue	x				2a-SS-		-38
8/29/2017	9:14	LDW17-R2A-SS005 /	1	Tissue	X		u		Za-SS-		-38
8/29/2017	9:14	LDW17-R2A-SS008 /	1	Tissue	х				2a-SS-		-38
8/29/2017	10:15	LDW17-R2A-SS054 /	1	Tissue	х				2a-SS-i		-38
8/29/2017	9:14	LDW17-R2A-SS030 /	1	Tissue	х				2a-SS-		-38
8/29/2017	10:15	LDW17-R2A-SS043 /	1	Tissue	х				2a-SS-		-38
8/29/2017	9:14	LDW17-R2A-SS002 /	1	Tissue	x				2a-SS-0		-38
	1	Total Number of Containers	12	Purchase Orde	er / Statement	of Work # F	0 2017-0020				
1) Released by: Print name:	Jana	1) Rec'd by:	BOT GS AXY		Released by:     Print name:			2) Rec'd by:			
Signature:	gvir	down Company:	Co how	,	Signature:			Company	:		
Date/Time:	mini		103 MXE	)	Company:						
Date/ Time.	1/0	Date/Time:		- 11.00	Date/Time:			Date/Time	e:		

<sup>\*</sup> Distribution: White copies accompany shipment, yellow retained by consignor.



To be completed by	Laboratory	upon :	sample	receip	t
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	and the sample of the sample of	eceipt.
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
	· · · · · · · · · · · · · · · · · · ·	- Page 38 of 317

Project/Client Name:

43

AOC3 Fish/Crab Tissue

### CHAIN-OF-CUSTODY/TEST REQUEST FORM

AO	C3 Fish/Crab Tissue		Shi	p to:	Axys				No. AOC3 2017-0020		
Tas	sk 4		Attr	n:	Georgi	na Bro	oks	Shipping	Date: 9/25/17		
Am	ara Vandervort		Shi	pper:	Courie			Airbill Nu	ımber: N/A		
			For	Form filled out by:		A. Vandervort			nd requested:		
TD,	KM, NM, JR, and MY								Stan	dard	
		_	7								
		1		Tes	t(s) Request	ed (chec	k test(s) requir	ed)			
Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization					Comments / In: [Composite/		
9:14	LDW17-R2A-SS013 z	1	Tissue	х	H						
9:14	LDW17-R2A-SS019 /	1	Tissue	×							
10:15	LDW17-R2A-SS041 /	1	Tissue	x						-38	
11:00	LDW17-R2B-SS072 /	1	Tissue	х						-34	
11:00	LDW17-R2B-SS089 /	1	Tissue	х						-34	
11:00	LDW17-R2B-SS067 /	1	Tissue	x						-34	
11:27	LDW17-R2B-SS103 /	1	Tissue	x						-3H	
11:27	LDW17-R2B-SS101 /	1	Tissue	x						-34	
11:00	LDW17-R2B-SS088	1	Tissue	x						-34	
11:00	LDW17-R2B-SS075 /	1	Tissue	x						-34	
11:00	LDW17-R2B-SS065	1	Tissue	x						-34	
11:00	LDW17-R2B-SS084 /	1	Tissue	×						-34	
Т	otal Number of Containers	12	Purchase Ord	ler / Statement d	of Work # I	O 201	7-0020		V		
Vana	1) Rec'd by: -durat Company:	Jan S65 Axy	S	2) Released by: Print name: Signature: Company:				?) Rec'd by: Company:			
	Tas Am TD, 9:14 9:14 10:15 11:00 11:00 11:27 11:27 11:00 11:00 11:00	Task 4 Amara Vandervort  TD, KM, NM, JR, and MY  TD, KM, NM, JR, and MY  Sample Identification  9:14 LDW17-R2A-SS013 / 9:14 LDW17-R2A-SS019 / 10:15 LDW17-R2A-SS041 / 11:00 LDW17-R2B-SS072 / 11:00 LDW17-R2B-SS089 / 11:00 LDW17-R2B-SS067 / 11:27 LDW17-R2B-SS103 / 11:27 LDW17-R2B-SS103 / 11:00 LDW17-R2B-SS088 / 11:00 LDW17-R2B-SS088 / 11:00 LDW17-R2B-SS065 / 11:00 LDW17-R2B-SS065 / 11:00 LDW17-R2B-SS084 / Total Number of Containers	Task 4 Amara Vandervort  TD, KM, NM, JR, and MY  Volume of Sample / # of Containers  9:14 LDW17-R2A-SS013 1  9:14 LDW17-R2A-SS019 1  10:15 LDW17-R2A-SS041 1  11:00 LDW17-R2B-SS072 1  11:00 LDW17-R2B-SS089 1  11:00 LDW17-R2B-SS067 1  11:27 LDW17-R2B-SS103 1  11:27 LDW17-R2B-SS103 1  11:00 LDW17-R2B-SS088 1  11:00 LDW17-R2B-SS088 1  11:00 LDW17-R2B-SS088 1  11:00 LDW17-R2B-SS088 1  11:00 LDW17-R2B-SS084 1  11:00 LDW17-R2B-SS084 1  Total Number of Containers 12	Task 4  Amara Vandervort  TD, KM, NM, JR, and MY  Volume of Sample / # of Containers  9:14 LDW17-R2A-SS013 1 Tissue  9:14 LDW17-R2A-SS019 1 Tissue  10:15 LDW17-R2A-SS041 1 Tissue  11:00 LDW17-R2B-SS072 1 Tissue  11:00 LDW17-R2B-SS089 1 Tissue  11:00 LDW17-R2B-SS067 1 Tissue  11:27 LDW17-R2B-SS103 1 Tissue  11:27 LDW17-R2B-SS103 1 Tissue  11:27 LDW17-R2B-SS103 1 Tissue  11:20 LDW17-R2B-SS088 1 Tissue  11:00 LDW17-R2B-SS088 1 Tissue  11:00 LDW17-R2B-SS088 1 Tissue  11:00 LDW17-R2B-SS088 1 Tissue  11:00 LDW17-R2B-SS088 1 Tissue  11:00 LDW17-R2B-SS084 1 Tissue  11:00 LDW17-R2B-SS084 1 Tissue  Total Number of Containers 12 Purchase Ord	Task 4  Amara Vandervort  Shipper: Form filled out by:  TD, KM, NM, JR, and MY  Volume of Sample / # of Containers  Matrix  9:14 LDW17-R2A-SS013	Task 4  Attn:  Georgia  Amara Vandervort  TD, KM, NM, JR, and MY     Volume of Sample   # of Containers   Matrix   Matri	Task 4  Attn:  Georgina Bro  Courier  Form filled out by:  A. Vand  TD, KM, NM, JR, and MY   Test(s) Requested (check  To, KM, NM, JR, and MY   Test(s) Requested (check  To, KM, NM, JR, and MY   Test(s) Requested (check  Test(s) Requested (check  Test(s) Requested (check  To, Test(s) Requested (check  Test(s) Represent Test(s) Requested (check  Test(s) Represent Test(s) Represe	Task 4  Attn: Shipper Form filled out by:  A. Vandervort  TD, KM, NM, JR, and MY   Test(s) Requested (check test(s) required by the formal filled out by:    Volume of Sample   # of Containers   Matrix   Task 4	Task 4  Amara Vandervort  Shipper.  Form filled out by:  Form filled out by:  Form filled out by:  A. Vandervort  Tumaround requested:  Stan  Test(s) Requested (check test(s) required)  Form filled out by:  Test(s) Requested (check test(s) required)  Form filled out by:  Test(s) Requested (check test(s) required)  Volume of Sample / # of Containers  Form filled out by:  Test(s) Requested (check test(s) required)  Test(s) Requested (check test(s) Requested (check test(s) required)  Test(s) Requested (		



200 West Mercer Street Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

	De templeted by Euboratory apon	sample receipt.
Date of receipt::	Laboratory W.O. #;	
Condition upon receipt:	Time of receipt:	
Cooler temperature	Pacaivad by	200

SGS AXYS Page 39 of 317

Project/Client Name:

AOC3 Fish/Crab Tissue

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

Axys

Ship to:

rioject/client Nam	-	C3 FISH/CIAD HISSUE		Ship	p to:	Axys			No. AOC3 2017-0020			
Project Number:		sk 4		Attr	n:	Georgi	na Brooks		Shipping Date: 9/25/1			
Contact Name:	Am	ara Vandervort		Shi	Shipper.		Г		Airbill N			
Sampled By:				For	m filled out by:	Α.	Vandervort		Turnaroi	und requested:	nd requested:	
	TD	KM, NM, JR, and MY									Standard	
					Tor	t/s) Dogwost	ed (check tes			_		
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	its) Request		(s) require	ed)	The second secon	s / Instructions osite/Bag ID]	
8/29/2017	11:27	LDW17-R2B-SS113	1	Tissue	X					2b-SS-comp1	L28215-34	
8/29/2017	11:00	LDW17-R2B-SS068 /	1	Tissue	х					2b-SS-comp1	-31	
8/29/2017	11:27	LDW17-R2B-SS110 /	1	Tissue	х					2b-SS-comp1	-31	
8/29/2017	11:27	LDW17-R2B-SS108 /	1	Tissue	x					2b-SS-comp1	- 3L	
8/29/2017	11:00	LDW17-R2B-SS085 /	1	Tissue	x				_	2b-SS-comp1	-34	
8/29/2017	11:00	LDW17-R2B-SS082 /	1	Tissue	x					2b-SS-comp1	-3-	
8/29/2017	11:27	LDW17-R2B-SS111 /	1	Tissue	x					2b-SS-comp2	-35	
8/29/2017	11:27	LDW17-R2B-SS091 /	1	Tissue	x				-	2b-SS-comp2	-35	
8/29/2017	11:27	LDW17-R2B-SS105	1	Tissue	х					2b-SS-comp2	-35	
8/29/2017	11:27	LDW17-R2B-SS097 /	1	Tissue	х					2b-SS-comp2	- 32	
8/29/2017	11:27	LDW17-R2B-SS102	1	Tissue	×					2b-SS-comp2	-32	
8/29/2017	11:00	LDW17-R2B-SS074 /	1	Tissue	×					2b-SS-comp2	-32 22	
	T	otal Number of Containers	12	Purchase Ord	er / Statement o	of Work # I	PO 2017-00:	20			20	
1) Released by: Print name: Signature: Company: Date/Time:	Ind 9/2		1600 S65 AX R6-Sep 20		2) Released by:	-			) Rec'd by:  Company:  Date/Time:	×	4	
istribution: White cop	ies accompan	y shipment; yellow retained by consigno	τ.				, (c	202	V 36			
	/	200 West Me	ercer Street	Data of a		Тс	be comp	leted by	/ Laborate	ory upon sam	ple receipt:	



Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

10	be completed by Laboratory upo	n sample receipt:
Date of receipt::	Laboratory W.O. #;	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
		Page 40 of 317

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name	e: AO	C3 Fish/Crab Tissue		Ship t	to:	Axys				No. AOC3 2017-0020
Project Number:	Tas	sk 4		Attn:	Attn: Georgina Brooks			S	Shipping	
Contact Name:	Am	nara Vandervort	Shipp	Shipper: Cou				Airbill Nu		
Sampled By:				Form	filled out by:	Α.	A. Vandervort			and requested:
_TD, KM, NM, JR, and										Standard
				-						
1						(s) Request	(s) Requested (check test(s) requ			
Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization				200	Comments / Instructions [Composite/Bag ID]
8/29/2017	11:00	LDW17-R2B-SS083	1	Tissue	x					2b-SS-comp2 / 28215-35
8/29/2017	11:00	LDW17-R2B-SS061	1	Tissue	х					2b-SS-comp2 -35
8/29/2017	11:00	LDW17-R2B-SS070	1	Tissue	х	-				2b-SS-comp2 -3S
8/29/2017	11:27	LDW17-R2B-SS099 /	1	Tissue	X					2b-SS-comp2 -3S
8/29/2017	11:00	LDW17-R2B-SS081 /	1	Tissue	х					2b-SS-comp2 –35
8/29/2017	11:00		1	Tissue	x					2b-SS-comp2 - 35
8/29/2017	11:00	LDW17-R2B-SS079 /	1	Tissue	X					2b-SS-comp2 -3S
8/29/2017	11:00	LDW17-R2B-SS087 /	1	Tissue	x					2b-SS-comp2 –35
8/29/2017	11:00	LDW17-R2B-SS086 /	1	Tissue	х					2b-SS-comp2 —35
8/29/2017	11:27	LDW17-R2B-SS106 /	1	Tissue	x					2b-SS-comp3 -39
8/29/2017	11:00	LDW17-R2B-SS066 /	1	Tissue	x					2b-SS-comp3 — 39
8/29/2017	11:00	LDW17-R2B-SS080 /	1	Tissue	x					2b-SS-comp3 −39
	,	Total Number of Contain	ers 12	Purchase Orde	r / Statement o	of Work #	PO 2017-0	0020	- <del>2</del>	<b>1</b>
1) Released by: Print name: Signature: Company: Date/Time:	War Tuni 912	dward	pany: SGS AXYS /Time: 26-802-201		2) Released by: Print name: Signature: Company: Date/Time:			2	Company:  Date/Time:	
Distribution: White copi	ies accompar	ny shipment; yellow retained by co				To	be com	pleted by	/ Laborate	ory upon sample receipt:
	V		est Mercer Street 101	Date of red	ceipt::				atory W.O. #:	

Ward

200 West Mercer Street Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343 Date of receipt::

Condition upon receipt:

Cooler temperature:

Received by:

SGS AXYS Page 41 of 317

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43

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name:	AC	C3 Fish/Crab Tissue		Shir	p to:	Axys			No. 4000 2017 2000
Project Number:	Ta	sk 4		Attr			na Brooks	China D	No. AOC3 2017-0020
Contact Name:	Am	nara Vandervort			oper:	Courie		Shipping D	
Sampled By:					m filled out by:	7	Vandervort	Airbill Num	
	TD	, KM, NM, JR, and MY		<del></del>	m med out by.	^,	vanuervort	Turnaround	d requested: Standard
			1	1					
					Tes	t(s) Request	ed (check test(s) require	ed)	
Sample Collection Date (m/d/y) 8/29/2017	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization				Comments / Instructions [Composite/Bag ID]
8/29/2017	11:27	LDW17-R2B-SS118 /	11	Tissue	x				2b-SS-comp3 (28215-39
8/29/2017	11:27	LDW17-R2B-SS119	1	Tissue	x				2b-SS-comp3 -39
8/29/2017	11:27	LDW17-R2B-SS112 /	1	Tissue	X				2b-SS-comp3 -39
8/29/2017	11:27	LDW17-R2B-SS098 /	1	Tissue	x				2b-SS-comp3 — 39
8/29/2017	11:27		1	Tissue	×			1	2b-SS-comp3 -39
8/29/2017		LDW17-R2B-SS076	1	Tissue	×			1	2b-SS-comp3 -39
8/29/2017		LDW17-R2B-SS062 /	1	Tissue	x			1	2b-SS-comp3 −39
8/29/2017		LDW17-R2B-SS071	1	Tissue	×			1	2b-SS-comp3 –39
	11:27	LDW17-R2B-SS096 /	1	Tissue	x			2	2b-SS-comp3 — 39
8/29/2017	11:27	LDW17-R2B-SS109 /	1	Tissue	x			1	2b-SS-comp3 39
8/29/2017	11:27	LDW17-R2B-SS104 /	1	Tissue	x				2b-SS-comp3 —39
8/29/2017	11:00	7	1	Tissue	x			2	2b-SS-comp3 -39
		otal Number of Containers	12	Purchase Orde	er / Statement o	of Work # I	PO 2017-0020		31
1) Released by: Print name: Signature: Company:	Pand	2 ND/T  dwort  Company:	Kon Kos Axy	S	Released by:     Print name:     Signature:     Company:	v	2	Rec'd by:	
Date/Time:	110	Date/Time:		-	Date/Time:			Date/Time:	

<sup>\*</sup> Distribution: White copies accompany shipment; yellow retained by consignor.



То	be completed by Laboratory upon :	sample receipt:
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
, , , , , , , , , , , , , , , , , , ,		Page 42 of 317

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# CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Nam	ne: AU	C3 FISh/Crab Tissue		Ship	to:	Axys		No. AOC3 2017-0020			
Project Number:	-	sk 4		Attn:		Georgi	na Brook	S	Sh	ipping Date:	9/25/17
Contact Name:	Am	nara Vandervort		Shipper: Co		Courie	Courier			rbill Number:	N/A
Sampled By:			, NM, JR; and MY			Α.	A. Vandervort			rnaround requ	
	TD	, KM, NM, JR, and MY								individual requ	Standard
						*****				¥	Ottanidard
					Test	t(s) Request	ed (check te	est(s) require	quired)		
		380			Dissection and Homogenization						₩ 100 ¥
Sample			Makuma af		ion a						
Collection Date			Volume of Sample / # of		sect						
(m/d/y)	Time	Sample Identification	Containers	Matrix	150 H						Comments / Instructions [Composite/Bag ID]
8/29/2017	10:15	LDW17-R2-ES010 /	1	Tissue	х		-	LZ324	3-	Addit	tional R2 ES
8/29/2017	10:15	LDW17-R2-ES013	1	Tissue	x				- 1		tional R2 ES
8/29/2017	10:15	LDW17-R2-ES015 /	1	Tissue	х				- 1		tional R2 ES
8/29/2017	11:00	LDW17-R2-ES017 /	1	Tissue	х				-1		tional R2 ES
8/29/2017	12:58		1	Tissue	x				-1		tional R2 ES
8/29/2017	13:18	LDW17-R2-ES024 /	1	Tissue	x				-1		tional R2 ES
8/30/2017	8:50	LDW17-R2-ES040 /	1	Tissue	х				- /		tional R2 ES
8/30/2017	9:25	LDW17-R2-ES046 /	1	Tissue	x				-1		tional R2 ES
8/30/2017	13:24	LDW17-R2-ES070 /	1	Tissue	x				-1		tional R2 ES
9/1/2017	13:31	LDW17-R2-ES149 /	1	Tissue	x				-1		tional R2 ES
	Ţ	otal Number of Containers	10	Purchase Orde	r / Statement o	of Work # I	PO 2017-0	020			
1) Released by:	115	1) Rec'd by:	Mah		2) Released by:			2	Rec'd	I by:	
Print name:	t a an	denoit [	954		Print name:					,	
Signature:	AVan	delle Company:	D		Signature:				Comp	pany:	7
Company:	NW.	tward	565 AXY		Company:						
Date/Time:	9/2	Date/Time:	16-8ep-20		Date/Time:		-		Date	Time:	
tribution: White cop	ies accompar	y shipment; yellow retained by consigno	r					-			
	· 9					To	be com	pleted by	Lab	oratory up	on sample receipt:
	_ /_	200 West Mi	Date of red	ceipt::			Labora			177	
	AV	Suite 401						333373			

Ward environmental LLC

200 West Mercer Street Suite 401 Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343 Date of receipt::

Condition upon receipt:

Cooler temperature:

Received by:

SGS AXYS Page 43 of 317

AOC3 Fish/Crab Tissue

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

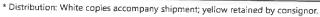
Axys

Ship to:

4033

No. AOC3 2017-0020

Amara Vandervort   Shipper   Courier   Airbill Number   N/A	roject Number:	-	SK 4		Attr	1:	Georgin	na Brooks	Shippir	Shipping Date: 9/25/17		
TD, KM, NM, JR, and MY   Standard   Standa		Am	nara Vandervort		Ship	oper:	Courier		Airbill 1	Number: N/A		
Sample   Collection Date   Comments / Instruction   Comments / Instru			, KM, NM, JR, and MY	NM, JR, and MY			Α.	A. Vandervort				
Sample   S										Standard		
Sample   S					2	Test	t(s) Requeste	ed (check test(s)	required)			
8/30/2017 10:03 LDW17-R2-GC013	Collection Date (m/d/y)			Sample / # of	Matrix	Dissection and Homogenization				Comments / Instructions [Composite/Bag ID]		
Secondary   10:03   LDW17-R2-GC010					Tissue	×		L282	15-42			
9/5/2017 14:33 LDW17-R2-GC100 / 1 Tissue x					Tissue	x			-42			
Released by: Print name: Signature: Company: Date/Time:   Date/Tim				1	Tissue	x			-40	Additional R2 GC Bag 1		
Seleased by:   Print name:   Signature:   Company:   Company:   Company:   Date/Time:   Date/T			LDW17-R2-GC100 /	1	Tissue	x			-40	Additional R2 GC Bag 1		
9/1/2017 13:40 LDW17-R2-GC082 / 1 Tissue x				1	Tissue	×			-42	Additional R2 GC Bag 3		
9/1/2017 13:40 LDW17-R2-GC082 / 1 Tissue x				1	Tissue	x						
9/1/2017 14:19 LDW17-R2-GC093 / 1 Tissue x	-	13:40		1	Tissue	x			-40			
9/5/2017 14:26 LDW17-R2-GC099				1	Tissue	x				Additional R2 GC Bag 1		
8/30/2017 11:47 LDW17-R2-GC017 / 1 Tissue x				1	Tissue	x			-41	Additional R2 GC Bag 2		
8/29/2017 13:18 LDW17-R2-GC003 / 1 Tissue x				- 1	Tissue	x			-41	Additional R2 GC Bag 2		
Total Number of Containers   12   Purchase Order / Statement of Work # PO 2017-0020				1	Tissue	x			-42	Additional R2 GC Bag 3		
Released by: Print name: Signature: Company: Date/Time:  Total Number of Containers  12 Purchase Order / Statement of Work # PO 2017-0020  2) Released by: Print name: Signature: Signature: Company: Date/Time: Date/Date/Date/Date/Date/Date/Date/Date/	8/29/2017	13:18	LDW17-R2-GC003 /	1	Tissue	х				Additional R2 GC Bag 4		
Print name: A fandly of the Signature: Signature: Signature: Signature: Signature: Company: Company: Company: Company: Date/Time: Da		т	otal Number of Containers	12	Purchase Orde	er / Statement c	of Work # P	O 2017-0020				
	Print name:	4 Km	dervoit	1000 265 AXY	2	Print name: Signature:		é)				
bution: White copies accompany shipment; yellow retained by consignor.		9/2			7 11:05				Date/Time:			
To be completed by Laboratory upon sample receip	ribution: White cop	oies accompan	y shipment; yellow retained by consignor	To:								





То	be completed by Laboratory upon sample receipt:	
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	
7-7-	Page 44	of 317

# CHAIN-OF-CUSTODY/TEST REQUEST FORM

roject/chent Nan	ie. AO	Ship	to:	Axys				No. AOC3 2017-002					
Project Number:		sk 4			Attr	n:	Georgi	na Brook	s		Shipping Date	: 9/25/17	
ontact Name:	Am	ara Vandervort			Ship	pper:	Courie	۲			Airbill Number: N/A		
Sampled By:					Forr	n filled out by:	Α.	Vander	vort		Turnaround re	quested;	
	TD	, KM, NM, JR, and N	ΛY									Standard	
						Test	(s) Request	ed Ichack to	ost(s) ro	auirod\		Y.	
Sample Collection Date (m/d/y)	Time	Sample Identifica	ition	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	(S) No.	ed (theta)	esi(s) re	quirea		Comments / Instructions [Composite/Bag ID]	
8/29/2017	13:18	LDW17-R2-GC005 /		1	Tissue	Х			2851	5-43	Add	ditional R2 GC Bag 4	
8/29/2017	13:18	LDW17-R2-GC004 /		1	Tissue	X			,	-43		ditional R2 GC Bag 4	
9/5/2017	14:39	LDW17-R2-GC103 /		1	Tissue	Х				-41		ditional R2 GC Bag 2	
9/5/2017	14:33	LDW17-R2-GC101 /		1	Tissue	Х				-41		ditional R2 GC Bag 2	
8/30/2017	11:19	LDW17-R2-GC012		1	Tissue	X				-42		ditional R2 GC Bag 3	
8/29/2017	13:18	LDW17-R2-GC006 /		1	Tissue	X				_40		ditional R2 GC Bag 1	
	Ţ	otal Number of Cont	ainers	5	Purchase Ord	er / Statement c	of Work # I	PO 2017-0	020				
1) Released by: Print name: Signature: Company: Date/Time:	4, Viana 4, Viana 9, 12	de voit hund word	Rec'd by:  Company:  Soate/Time:	1600 565 Axy. 5-Sep-201		2) Released by: Print name: Signature: Company: Date/Time:	14			Cc	ec'd by: ompany: ate/Time:	e e	
tribution: White cop	nes accompan	y shipment; yellow retained b	oy consignor.				Ψ.	2000				5060 W 1878	
	1	200	West Mer	cer Street	Date of re	acaint:	10	pe com			aboratory u	pon sample receipt:	



Seattle, WA 98119 Tel: (206) 378-1364 Fax: (206) 217-9343

To be completed by Laboratory upon sample receipt:		
Date of receipt::	Laboratory W.O. #:	
Condition upon receipt:	Time of receipt:	
Cooler temperature:	Received by:	SGS AXYS
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