

APPENDIX B. FIELD FORMS, FIELD NOTES, AND COCS

Target Species Forms

TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/ Crab Tissue

Location: Reach 2 (A & B)

Date: 08-29-17

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
1015	LDW17-R2-GC001	107	215	Male
1258	LDW17-R2-GC002	101	205	Male
1318	LDW17-R2-GC003	91	149	Male
↓	↓ - GC004	92	139	Male
↓	↓ - GC005	93	157	Male
↓	↓ - GC006	90	133	Male
↓	↓ - GC007	90	129	Male
0914	LDW17-R2A-SS001	121	18	
↓	↓ -SS002	123	26	
↓	↓ -SS003	115	22	
↓	↓ -SS004	118	22	
↓	↓ -SS005	115	20	
↓	↓ -SS006	103	20 16	
↓	↓ -SS007	124	24	
↓	↓ -SS008	115	18	
↓	↓ -SS009	123	20	
↓	↓ -SS010	115	16	
↓	↓ -SS011	107	16	

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: Trawls

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
0914	LDW17-R2A-SS012	115	22	
	-SS013	112	16	
	-SS014	116	24	
	-SS015	121	26	
	-SS016	117	22	
	-SS017	109	24	
	-SS018	116	26	
	-SS019	128	34	
	-SS020	119	30	
	-SS021	115	32	
	-SS022	126	36	
	-SS023	116	24	
	-SS024	125	32	
	-SS025	125	36	
	-SS026	125	28	
	-SS027	115	26	
	-SS028	110	24 24	
	-SS029	111	22	

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: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
0914	LDW17-R2A-SS030	117	26	
1015	LDW17-R2A-SS031	121	24	
↓	-SS032	131	28	
	-SS033	125	30	
	-SS034	142	32	
	-SS035	125	26	
	-SS036	120	20	
	-SS037	137	34	
	-SS038	120	24	
	-SS039	120	26	
	-SS040	120	18	
	-SS041	125	28	
	-SS042	123	18	
	-SS043	125	18	
	-SS044	129	26	
	-SS045	119	18	
	-SS046	120	16	
↓	-SS047	142	18	

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: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1015	LDW17-R2A-SS048	124	10	
	-SS049	TR136	TR16 38	
	-SS050	TR119 121	TR 22	28
	-SS051	TR 132 133	TR 14	28
	-SS052	TR 152 120	22	
	-SS053	TR 137 153	48	
	-SS054	TR 149 120	26	
	-SS055	119	24	
	-SS056	120	26	
	-SS057	122	22	
	-SS058	115	22	
	-SS059	110	18	
	1100	-SS060	126	20
LDW17-R2B-SS061		114	20	
-SS062		128	30	
-SS063		114	20	
-SS064		100	14	
	-SS065	108	18	

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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: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1100	LDW17-R2B-SS066	110	22	
	-SS067	113	14	
	-SS068	117	10	
	-SS069	110	12	
	-SS070	117	18	
	-SS071	115	20	
	-SS072	120	24	
	-SS073	120	22	
	-SS074	115	16	
	-SS075	110	16	
	-SS076	102	14	
	-SS077	104	16	
	-SS078	127	30	
	-SS079	105	18	
	-SS080	123	26	
	-SS081	119	24	
	-SS082	106	16	
	-SS083	114	20	

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TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/ Crab Tissue

Location: Reach 2 (A & B)

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
1100	LDW17-R2B-SS084	117	24	
	-SS085	119	24	
	-SS086	111	20	
	-SS087	110	20	
	-SS088	125	26	
	-SS089	111	22	
	-SS090	110	20	
1127	LDW17-R2B-SS091	107	14	
	-SS092	105	12	
	-SS093	108	18	
	-SS094	115	18	
	-SS095	124	22	
	-SS096	124	24	
	-SS097	105	14	
	-SS098	105	14	
	-SS099	114	16	
	-SS100	117	12	
	-SS101	112	16	

TARGET SPECIES TALLY FORM

Project Name: AOGB 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: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1127	LDW 17 - R2B - SS102	106	18	
↓	-SS103	106	18	
↓	-SS104	112	20	
↓	-SS105	108	16	
↓	-SS106	120	22	
↓	-SS107	106	16	
↓	-SS108	100	14	
↓	-SS109	110	16	
↓	-SS110	111	18	
↓	-SS111	106	16	
↓	-SS112	106	18	
↓	-SS113	121	24	
↓	-SS114	106	16	
↓	-SS115	100	16	
↓	-SS116	113	20	
↓	-SS117	105	16	
↓	-SS118	98	14	
↓	-SS119	102	14	

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: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1127	LDW17-R2B-SS120	104	16	
0914	LDW17-R2-ES001	332	420	Female
	-ES002	224	138	Male
	-ES003	235	160	Male
	-ES004	172	58	Male
	-ES005	317	292	Female
	-ES006	241	156	Male
1015	LDW17-R2-ES007	247	168	Male
	ES008	261	178	Female
	ES009	221	124	Male
	ES010	200	100	Male
	ES011	337	450	Female
	ES012	235	146	Male
	ES013	229	142	Male
	ES014	265	232	Female
	ES015	232	145	Male
	ES016	334	456	Female
1100	LDW17-R2-ES017	201	87	Male

TARGET SPECIES TALLY FORM

Project Name: A003 Fish/Crab TISSUE

Location: Reach 2 (A & B)

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	LDW17-R2-ES018	320	330	Female
1232	LDW17-R2-ES019	320	382	Female
1258	LDW17-R2-ES020	224	116	Male
1258	LDW17-R2-ES021	216	92	Male
1318	LDW17-R2-ES022	303	324	Female
	-ES023	191	84	Male
	-ES024	251	164	Male
1354	LDW17-R2-ES025	228	118	Male
	-ES026	224	136	Male
	-ES027	293	278	Female
	-ES028	265	146	Female
	-ES029	196	90	Male
	-ES030	209	108	Male
	-ES031	225	410	Female
	-ES032	206	82	Male
	-ES033	179	68	Male
1421	LDW17-R2-ES034	237	150	Female
	-ES035	259 295	180	Male

TARGET SPECIES TALLY FORM

Project Name: A003 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: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1421	LDW17-R2-ES036	260	150	Female
0914	LDW17-R2-SF001	205	118	Male
↓	↓ -R2 SF002	336	428	Female
↓	↓ SF003	261	100	Female
1015	LDW17-R2-SF004	494	1474	Female
1127	LDW17-R2-SF005	205	116	Undeterminable
↓	↓ -SF006	260	238	Female
↓	↓ -SF007	276	265	Male
↓	↓ -SF008	208	120	Undeterminable
↓	↓ -SF009	225	152	Male
1354	LDW17-R2-SF010	212	122	Female
↓	↓ SF011	279	258	Female
↓	↓ SF012	235	182	Female
↓	↓ SF013	261	204	Male
↓	↓ SF014	291	296	Male
↓	↓ SF015	216	124	Male
↓	↓ SF016	260	198	Undeterminable
↓	↓ SF017	212	132	Undeterminable Female

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TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: Reach 2 (A & B)

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
1354	LDW17-R2-SF018	212	138	Undeterminable
	-SF019	202	112	Female
	-SF020	239	152	Female
	-SF021	201	106	Undeterminable
	-SF022	200	106	Male
	-SF023	206	122	Undeterminable
	-SF024	225	148	Undeterminable
1421	LDW17-R2-SF025	207	110	Undeterminable
	-SF026	216	137	Undeterminable
	-SF027	207	110	Male
	-SF028	225	136	Female
	-SF029	204	100	Undeterminable
	-SF030	265	240	Male
	-SF031	236	176	Undeterminable
	-SF032	207	110	Undeterminable
	-SF033	221	146	Male
	-SF034	215	114 126	Male
	-SF035	282	304	Male

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TARGET SPECIES TALLY FORM

Project Name: AOC3 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: TRAWL

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)		COMMENTS	
#11	0856	LDW17-R2-GC008	95	166	male	COOLER #6	
	↓	↓ GC009	94	164	male	↓	
#13	1003	LDW17-R2-GC010	94	137	Male		
	↓	↓ -GC011	92	141	Male		
	↓	LDW17-R2-SA001	212	125	ND		COOLER #8
#15	1119	LDW17-R2-GC012	103	187	male		COOLER #6
	↓	↓ GC013	93	159	male		
	↓	↓ GC014	97	183	male		
	↓	↓ GC015	104	183	male		
	1119	LDW17-R2-GC016	93	163	male		
#16	1147	LDW17-R2-GC017	94	137	male		
	↓	↓ GC#018	108	220	male		
	↓	↓ GC#020	100	180	male		
#17	1256	LDW17-R2-GC021	93	139	male		
#18	1324	LDW17-R2-GC022	93	186	male		
#19	1400	LDW17-R1-GC023	95	172	male		
	↓	LDW17-R1-GC024	98	174	male		
#11	0850	LDW17-R2-ES037	220	103	male	COOLER #7	

2

TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/ Crab

Location: Reach 132

Date: 8.30.17

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
#11 132103	LDW17-R2-ES038	226	105	male COOLER #7
↓	-ES039	219	103	male
↓	-ES040	202	83	male
↓	-ES041	230	130	male
↓	-ES042	208	95	male
#12 0925	LDW17-R2-ES043	186	62	male
↓	-ES044	188	70	male
↓	-ES045	200	81	male
↓	-ES046	201	73	male
↓	-ES047	219	110	male
↓	-ES048	236	140	male
↓	-ES049	196	90	male
↓	-ES050	172	90	male
↓	-ES051	406	749	female
↓	-ES052	316	350	female
↓	-ES053	314	299	female
#13 1003	LDW17-R2-ES054	368	470	female
↓	-ES055	293	210	female

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TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: Reach 132

Date: 08.30.17

Field Crew Initials: KM, NM, TD

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

Collection Method: Trawl

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
#13	1003	LDW17-R2-ES056	281	220	Female
	↓	↓ ↓ -ES057	299	260	Male
#15	1119	LDW17-R2-ES058	322	400	Female
	↓	↓ ↓ -ES059	230	131	Male
	↓	↓ ↓ -ES060	203	90	Male
	↓	↓ ↓ -ES061	210	160	Male
	↓	↓ ↓ -ES062	204	90	Male
	↓	↓ ↓ -ES063	192	60	Male
#16	1147	LDW17-R2-ES064	214	110	Male
	↓	↓ ↓ -ES065	195	81	Male
	↓	↓ ↓ -ES066	207	80	Male
	↓	↓ ↓ -ES067	239	140	Male
#17	1256	LDW17-R2-ES068	231	119	Female
		↓ ↓ -ES069	299	349	Female
#18	1324	LDW17-R2-ES070	211	100	Male
#19	1400	LDW17-R1-ES071	210	102	Male
	↓	↓ ↓ -ES072	245	159	Male
		↓ ↓ -ES073	245	165	Male

cooler #7

4

TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Grub Tissue

Location: Reach 132

Date: 08-30-17

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
#11	0850	LDW17-R2-SF047	294	320	Male
#12	0925	LDW17-R2-SF048	209	115	Male
		-SF049	225	145	Undeterminable
		-SF050	255	210	Male
		-SF051	211	120	Undeterminable
		-SF052	210	211 115	Undeterminable
		-SF053	216	132	Male
		-SF054	197	110	Male
		-SF055	215	122	Undeterminable
#13	1003	LDW17-R2-SF056	277	242	Male
		-SF057	273	262	Female
		-SF058	260	209	Male
		-SF059	253	206	MALE
		-SF060	240	176	MALE
		SF061	218	132	MALE
		SF062	200 294	110	UNKNOWN
		SF063	299 214	354	FEMALE
		SF064	273 220	250	MALE

cooler # 9

JR 8-30-17

5

TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/CRAB TISSUE

Location: Reach 132

Date: 8.30.17

Field Crew Initials: KM, NM, TD

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

Collection Method: Trawl

JR 8-30-17

JR 8-30-17
#15
#19

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1063	LDW17-RZ-SF065	225 ²⁰⁶	154	MALE COOKER #9
↓	↓ -SF066	206 ²⁰⁷	110	MALE ↓
↓	↓ SF067	207 ²⁰¹	118	MALE ↓
↓	↓ SF068	202	102	INDETERM ↓
#15 1119	LDW17-RZ-SF069	233 ³³⁵	490	MALE ↓
↓	↓ -SF070	495	1488	FEMALE ↓
#19 1406	LDW17-R1B-SS121	121	24	- COOKER #8
↓	↓ -SS122	113	22	- ↓
↓	↓ -SS123	116	22	- ↓
↓	↓ -SS124	113	20	- ↓
↓	↓ -SS125	135	32	- ↓
↓	↓ -SS126	96	14	- ↓
↓	↓ -SS127	115	20	- ↓
↓	↓ -SS128	118	24	- ↓
↓	↓ -SS129	108	20	- ↓
↓	↓ -SS130	95	16	- ↓
↓	↓ -SS131	106	16	- ↓
↓	↓ -SS132	107	18	- ↓

6

TARGET SPECIES TALLY FORM

Project Name: A003 Fish/ Crab tissue

Location: Reach 132

Date: 8.30.17

Field Crew Initials: KM, NM, TP

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

Collection Method: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
#19 1406	LDW17 - R13 - SS133	93	12	—
	-SS134	116	26	—
	-SS135	113	18	—
	-SS136	106	16	—

COOLER.#9

TARGET SPECIES TALLY FORM

Project Name: A03 Fish/ Crab Tissue

Location: R2, R1

Date: 8.31.17

Field Crew Initials: My, Art

Target Species: DC, GC

Collection Method: Crab Trap

TRAP#	COLLECTION TIME	SPECIMEN ID NO.	LENGTH (mm)	WEIGHT (g)	COMMENTS
#11	0838	LDW17-R2-DC005	184	893	male Cooler #14
#12	0842	LDW17-R2-DC006	178	780	male Cooler #14
22	1218	LDW17-R1-GC035	101	198	male; missing front claw & 2 legs (Coolers 14, 15, 21)
↓	1218	LDW17-R1-GC036	94	174	male
23	1227	LDW17-R1-GC037	98	196	male; missing front claw
↓	↓	↓ GC038	98	197	male; missing front claw
24	1239	LDW17-R1-GC039	90	160	male; missing front claw; barnacles
↓	↓	LDW17-R1-GC040	106	241	male
↓	↓	LDW17-R1-GC041	90	173	male
↓	↓	LDW17-R1-GC042	98	204	male
25	1253	LDW17-R1-GC043	102	214	male
27	1315	LDW17-R1-GC044	96	179	male
↓	1315	LDW17-R1-GC045	90	141	male; missing both front claws
↓	↓	GC046	95	165	male; missing front claw
↓	↓	GC047	104	219	male
↓	↓	GC048	106	271	male
28	1328	LDW17-R1-GC053	92	188	male
↓	↓	↓ GC054	98	180	male

TARGET SPECIES TALLY FORM

Project Name: AUC3 Fish/Crab Tissue

Location: RI

Date: 8.31.17

Field Crew Initials: MY, AH

Target Species: DC, GC

Collection Method: Crab Trap

TRAP #
28
↓
↓
29
↓
26
↓
27
28
↓
29
30
31
↓

COLLECTION TIME	SPECIMEN ID NO.	LENGTH (mm)	WEIGHT (g)	COMMENTS
1328	LDW17-RI-GC055	98	206	Cracked claw; barnacle; mal
↓	↓	↓	↓	↓
↓	GC056	109	267	male
↓	GC057	96	172	male; missing claw
1344	GC058	99	212	male
↓	GC059	98	223	male
1518	GC060	99	217	male
↓	GC061	98	206	male
1526	GC062	102	219	male
1530	GC063	103	189	male; missing claws & 2 appendages
↓	GC064	103	227	male
↓	GC065	105	258	male
1538	GC066	96	185	male
1545	GC067	101	231	male
1549	GC068	99	181	male; missing 3 legs
↓	GC069	110	263	male; missing small pinches

(covers 1, 4, 15, 16)
↓

TARGET SPECIES TALLY FORM

Project Name: A003 Fish/Orab Tissue

Location: Reach 1

Date: 083117

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
#20	0845	LDW17-RI-GC026	103	218	Male
	↓	↓ ↓ GC027	100	224	Male
	↓	↓ ↓ GC028	96	194	Male
#21	0949	LDW17-RI-GC029	95	190	Male
#22	1017	LDW17-RI-GC030	92	169	Male
#23	1042	LDW17-RI-GC031	111	265	Male
	↓	↓ ↓ GC032	100	205	Male
#24	1121	LDW17-RI-GC033	94	173	Male
#25	1155	LDW17-RI-GC034	100	177	Male
#26	1251	LDW17-RI-GC 035 049	105	215	Male
	↓	↓ ↓ GC050	96	175	Male
	↓	↓ ↓ GC051	100	212	Male
	↓	↓ ↓ GC052	101	213	Male
#28	1347	LDW17-RI-GC060 ?	97	191	Male
	↓	↓ ↓ GC061 S	93	163	Male
#20	0845	LDW17-RI-SA002	296	344	Not determined
#24	1121	LDW17-RI-SA003	226	374	↓
#23	1042	LDW17-RI-SF071	396	766	Female

COOLER 12

↓ duplicate IDs
 change to GC070 &
 GC071 #
 9/11/17
 [Signature]

TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: Reach 1

Date: 083117

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
#73 1042	LDW17-R1-SF072	207	122	Male COOLER 12
↓	↓ -SF073	215	126	Male ↓
↓	↓ -SF074	200 199	108	Male ↓
#70 0845	LDW17-R1-ES074	193	85	Male COOLER 10#11
↓	↓ -ES075	183	66	Male ↓
↓	↓ -ES076	172	56	Male ↓
↓	↓ -ES077	174	64	Male ↓
↓	↓ -ES078	177	63	Male ↓
↓	↓ -ES079	179	55	Male ↓
↓	↓ -ES080	310	298	Male ↓
↓	↓ -ES081	269	212	Male ↓
↓	↓ +ES082	241	152	Female ↓
↓	↓ -ES083	122	130	Male ↓
↓	↓ -ES084	291	272	Female ↓
↓	↓ -ES085	201	90	Male ↓
↓	↓ -ES086	250	136	Male ↓
↓	↓ -ES087	170	220	Female ↓
↓	↓ -ES088	282	206	Male ↓

TARGET SPECIES TALLY FORM

Project Name: ACC3 Fish/Grab TISSUE

Location: Reach 1

Date: 8.31.17

Field Crew Initials: KM, NM, JD

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

Collection Method: Trawl

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
#20	0845	LDW17-R1 - ES089	239	144	Male COOLER 10 #11
	↓	- ES090	243	144	Male
	↓	- ES091	276	202	Male
	↓	- ES092	284	238	Female
	↓	- ES093	247	145	Male
	↓	- ES094	256	158	Male
	↓	- ES095	201	74	Male
	↓	- ES096	210	100	Male
	↓	- ES097	231	130	Male
#21	0949	LDW17-R1 - ES098	260	176	Male
	↓	- ES099	206	90	Male
#23	1042	LDW17-R1 - ES100	263	194	Female
	↓	- ES101	200	73	Male
#24	1251	LDW17-R1 - ES102	270 208	208	Male
	↓	- ES103	221	114	Male
	↓	- ES104	190	78	Male
	↓	- ES105	186	70	Male
	↓	- ES106	187	66	Male

4

TARGET SPECIES TALLY FORM

Project Name: AOC3 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: Trawl

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
# 26	1251	LDW17-RI-ES107	189	68	Male COOLER 10 #11
# 27	1326	LDW17-RI-ES108	349	440	Female
	↓	↓ - ES109	274	230	Female
	↓	↓ - ES110	232	128	Male
	↓	↓ - ES111	270	198	Male
# 28	1347	LDW17-RI-ES112	191	78	Male
	↓	↓ - ES113	194	80	Male
	↓	↓ - ES114	187	72	Male
	↓	↓ - ES115	179	56	Male
	↓	↓ - ES116	278	248	Female
	↓	↓ - ES117	247	160	Male
	↓	↓ - ES118	211	190 190	Male
	↓	↓ - ES119	299	340	Female
	↓	↓ - ES120	236	154	Female
	↓	↓ - ES121	239	156	Male
	↓	↓ - ES122	252	168	Male
	↓	↓ - ES123	232	142	Female
	↓	↓ - ES124	241	146	Female

5

TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/ Crab Tissue

Location: Reach 1

Date: 083117

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
#20 0845	LDW17-R1B -SS137	114	14	COOLER 12 13
	-SS138	106	16	
	-SS139	93	10	
	-SS140	96	8	
	-SS141	116	24	
	-SS142	111	18	
	-SS143	113	18	
	-SS144	106	16	
	-SS145	104	16	
	-SS146	103	14	
	-SS147	97	12	
	-SS148	113	20	
	-SS149	113	20	
	-SS150	96	12	
#21 0949	LDW17-R1B -SS151	114	22	
	-SS152	107	18	
	-SS153	98	12	
	-SS154	118	22	

TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/ Crab Tissue

Location: Reach 1

Date: 08 31 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
#21 0949	LDW17-RIB-SS155	109	20	COOLER #13
	- SS156	119	24	
	- SS157	127	28	
	- SS158	107	16	
	- SS159	115	18	
	- SS160	93	12	
	- SS161	118	24	
	- SS162	110	20	
	- SS163	110	18	
#22 1017	LDW17-RIB-SS164	118	22	
	- SS165	100	14	
	- SS166	95	12	
	- SS167	106	14	
	- SS168	104	16	
	- SS169	103	14	
	- SS170	104	12	
	- SS171	127	34	
	- SS172	100	14	

TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: Reach 1

Date: 08 31 17

Field Crew Initials: KM, NM, JD

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

Collection Method: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
#22 1017	LDW17-R1B-SS173	110	14	COOLER # 12 13
↓	-SS174	107	16	↓
↓	-SS175	108	18	
↓	-SS176	116	20	
↓	-SS177	99	14	
↓	-SS178	121	24	
↓	-SS179	109	18	
↓	-SS180	119	22	
#23 1042	LDW17-R1A-SS181	99	12	
↓	-SS182	116	16	
↓	-SS183	98	14	
↓	-SS184	103	16	
↓	-SS185	99	14	
↓	-SS186	100	16	
↓	-SS187	102	18	
↓	-SS188	96	14	
↓	-SS189	117	24	
↓	-SS190	101	16	↓

8

TARGET SPECIES TALLY FORM

Project Name: AOC3 Fch/Grab Tissue

Location: Reach 1

Date: 083117

Field Crew Initials: KM, NM, TD

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

Collection Method: Trawl

	COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
#23	1042	LDW17-RIA-SS191	102	16	Cooler #13
		-SS192	109	16	
		-SS193	106	22	
		-SS194	99	14	
#24	1121	LDW17-RIA-SS195	116	30	
		-SS196	120	18	
		-SS197	112	22	
		-SS198	112	20	
		-SS199	94	10	
		-SS200	105	14	
		-SS201	118	26	
		-SS202	120	26	
		-SS203	98	10	
		-SS204	126	30	
		-SS205	106	14	
		-SS206	104	14	
		-SS207	105	14	
#26	1251	LDW17-RIA-SS208	130	28	

TARGET SPECIES TALLY FORM

Project Name: HOC3 Fish/Crab Tissue

Location: Reach 1

Date: 083117

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-SS210	96	8	
		-SS211	105	12	
		-SS212	99	10	
		-SS213	105	12	
#28	1347	LDW17-RIA-SS214	110	18	
		-SS215	107	20	
		-SS216	111	20	
		-SS217	110	14	
		-SS218	103	14	
		-SS219	97	12	
		-SS220	111	16	
		-SS221	100	14	
		-SS222	113	18	
		-SS223	101	14	
		-SS224	115	20	
		-SS225	107	16	
		-SS226	106	14	

TARGET SPECIES TALLY FORM

Project Name: A003 Fish/Crab Tissue

Location: Reach 1

Date: 083117

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
#28 1347	LDW17-RIA-SS227	102	12	cooler #13
	-SS228	120	22	
	-SS229	112	14	
	-SS230	96	12	
	-SS231	107	18	
	-SS232	94	8	
	-SS233	111	20	
	-SS234	106	16	
	-SS235	105	12	
	-SS236	120	22	
	-SS237	95	10	
	-SS238	109	14	
	-SS239	105	14	
	-SS240	92	12	

1

TARGET SPECIES TALLY FORM

Project Name: A003 Fish/Grab Tissue

Location: Reach 132

Date: 09.01.17

Field Crew Initials: KM, JR, TD

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

Collection Method: Trawl

COLLECTION TIME	SPECIMEN ID No.	LENGTH (mm)	WEIGHT (g)	COMMENTS
#29	0834 LDW17-R1-ES125	216	112	Male cooler #17
	-ES126	227	138	Male
	-ES127	255	162	Female
	-ES128	233	142	Male
	-ES129	212	110	Male
	-ES130	223	130	Male
	-ES131	247	194	Female
	-ES132	204	100 223	Male
	-ES133	223	134	Male
	-ES134	217	128	Male
#31	0948 LDW17-R1-ES135	221	110	Male
#33	1037 LDW17-R1-ES136	353	616	Female
	-ES137	199	78	Male
	-ES138	251	174	Male
	-ES139	252	180	Male
	-ES140	246	140	Male
	-ES141	214	82	Male
#35	1155 LDW17-R1-ES142	280	208	Male

2

TARGET SPECIES TALLY FORM

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	LDW17-R1-ES143	233	128	Male
		↓ -ES144	287	228	Male
		ES145			
	1155	LDW17-R1-SA004	216	122	Not determined
		↓ -SA005	246	180	↓
		↓ -SA006	267	224	↓
#29	1155	LDW17-R1-DC007	164	580	MALE
	0834	LDW17-R1-GC072	101	198	MALE
		↓ -GC073	99	198	MALE
		↓ -GC074	101	216	MALE
		↓ -GC075	100	218	MALE
		↓ -GC076	99	192	MALE
#33	1037	LDW17-R1-GC077	98	202	MALE
		↓ -GC078	103	238	MALE
		↓ -GC079	102	208	MALE
#30	1305	LDW17-R2-GC086	95	168	MALE
		↓ GC087	105	214	MALE
		↓ GC088	97	176	MALE

COOLER 17

COOLER 18

TARGET SPECIES TALLY FORM

Project Name: ADL3 Fish/ Crab Tissue

Location: R2

Date: 9.5.17

Field Crew Initials: MY, TD

Target Species: DC, GC

Collection Method: Crab Trap

COLLECTION TIME	SPECIMEN ID No.		LENGTH (mm)	WEIGHT (g)	COMMENTS
CT44	1204	LDW17-R2-GC095	101	187	male
CT44	1411	LDW17-R2-GC096	108	252	male
↓	↓	↓ ↓ GC097	100	290	Ⓞ deformed claw, male
CT55	1426	LDW17-R2-GC098	95	156	missing one leg; barnacle on shell; male
↓	↓	↓ ↓ GC099	94	146	male
CT56	1433	↓ ↓ GC100	98	176	male
↓	↓	↓ ↓ GC101	98	174	male
CT57	1439	↓ ↓ GC102	95	158	male
↓	↓	↓ ↓ GC103	97	171	male
CT62	1522	↓ ↓ GC104	97	185	male

COOL #2



Non-target Species Forms

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Date: 8.29.17

Location: 2A 3 2B

Collection Method: Trawl

Field Crew Initials: KM, NM, TD

COLLECTION TIME	SPECIES	COUNT	COMMENTS
0914	Gracful crab	87	87
	Staghorn sculpin	25	(18 + 4 + 2 + 1)
	Pile perch	4	
	Red rock crab	1	
	Pacific cod	3+1	
	Anemone	2	
	snails	6	
	cocle	1	
	shrimp	4	
	English sole	56	(10 + 30 + 16)
	Starry flounder	(19) 5(14+1)+4	
	shiner surfperch	21	(21 + 77 + 30)
	Pile perch	4	
	1015	English sole	63
shiner surfperch			70, 76, 88 + 1
Gracful crab		7	
Rock sole		2	
Pacific cod		14(13+1)	

SF (4)
ES (8)
ES (6+2)

Starry Fl (3)
ES (1)

2B Shms 38

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
	Starry flounder	17	(6+7)+4
	snails	15	
	shrimp	6	(4+1+1)
	Staghorn sculpin	6	
	cockles	2	
	Anemone	4	(2+2)
	Pile perch	3	
	Longfin smelt	1	
	RP herring	1	
1100	Shiner surf perch	33+8	= (41)
	English sole	22	11+11
	Staghorn sculpin	9	
	Pacific cod	5	
	Longfin smelt	3	
	Gracful crab	2	
	Starry flounder	8	
	Shrim p.	18	
	Anemone	1	

SF (6)

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: 2A & 2B

Date: 8.29.17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS
1100	snail	1	
1127	long fin smelt	14	+1 (15)
	Staghorn sculpin	15	
	starry flounder	32	H.B. (30) (36)
	shrimp	5	
	English sole	1	⊖
	graceful crabs	1	
	shiner surfperch	176	(90, 30, 56)
1150	shiner surfperch	139	(31, 45, 52, 11)
	starry flounder	19	(26)
	long fin smelt	16	
	Graceful crab	1	
	Staghorn sculpin	6	⊖
	Pacific cod	2	
	Shrimp	7+1	
	Pile perch	1	
1232	Pile perch	3	3
	Snake prickleback	1	

+1
stickleback?

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
1232	English sole	5	
	Starry flounder	2	
	shiner surfperch	72	54, 18,
	Pacific cod	10	
	Red rock crab	1	
	Graceful crab	3	
	snails	17	
	staghorn sculpin	7	
	shrimp	28 6	(6)
	Coonstripe shrimp.	3	
	1258	Graceful crab	2
English sole		10	
shiner surfperch		37	
shrimp		8	
snail		6	
rockley coonstripe shrimp		1	
Anemone		1	
sea pen		1	

7

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Crab/Fish Tissue

Location: 2A & 2B

Date: 8.29.17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

	COLLECTION TIME	SPECIES	COUNT	COMMENTS		
#8	1318	Shiner surfperch	27			
		Graceful crab	23			
		Pacific cod	5			
		Staghorn sculpin	5			
		Starry flounder	6			
		snail	10+1			
		Kelp crab	2			
		Pile perch	2			
		English sole	12			
		shrimp	4			
		Prickly swimp	1			
		#9	1354	Pacific cod	20	
				Staghorn sculpin	8	
Pile perch	1					
Shiner surfperch	126			(126)		
English sole	27					
Starry flounder	25 + 3 + 18 =			(46)		
Graceful crab	6					

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/crab TISSUE

Location: 2A3 2B

Date: 8/29/17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

#10

COLLECTION TIME	SPECIES	COUNT	COMMENTS
1354	shrimp	16	
↓	Longfin smelt	1	
↓	Snake stickleback	1	
↓	snails	6	
1421	English sole	19	19
	Starry flounder	52	+1
	Shiner surf perch	178	
	Caracful crab	6	25
	Pacific cod	5	
	Pile perch		
	Staghorn sculpin	12	
	Longfin smelt	7	
	shrimp	19	

6, 1, 2

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 FISH/CRAB TISSUE

Location: Beach 132

Date: 08.30.17

Field Crew Initials: KM, NM, TD

Collection Method: TRAWL

	COLLECTION TIME	SPECIES	COUNT	COMMENTS
#11	0850	Gracful crab	28	
		Pile perch	18	
		Pacific cod	20	
		shiner surfperch	87	52, 35
		English sole	28	
		Starry flounder	5	
		Chinook salmon - juvenile	1	Released alive
		Striped sea perch	1	
		Anemone		3+1+1
		Rock sole	1	
		Sea pen	1	
		Longfin smelt		1+1
		Staghorn sculpin	87	
		Snails	20	
		Shrimp.	10+1	
		Moan snail	1	
		Coonstripe shrimp.	6	
	✓	Herring	1	
		Sea cucumber	1	
		Bull sculpin	1	
		Smoothhead sculpin	2	

ES #12
SF 4

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/ Crab Tissue

Location: Reach 132

Date: 08/30/17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

	COLLECTION TIME	SPECIES	COUNT	COMMENTS
#12	0925	English sole	135	
		Starry flounder	30	
		Staghorn sculpin	15	
		Shiner surfperch	237	233
		Graceful crab	18	
		Pacific cod	46	
		Longfin smelt	43	
		Striped surfperch	1	
		Shrimp	2	
		Pile perch	2	
		Snails	3	
		#13	1003	English sole
Starry flounder	94			31 + 55
Staghorn sculpin	17			
Shiner surfperch	250			
Graceful crab	1			
Pacific cod	24			
Longfin smelt	12			
Pile perch	1			
Shrimp	6			
Herring	2			

GC-2
SA-1
SF-13
ES-3

NON-TARGET SPECIES TALLY FORM

Project Name: ACC3 Fish/ Crab TISSUE

Location: Reach 132

Date: 08.30.17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS
#16 GC 3 ES 3, 1	Shiner surfperch	388	
	Shiner crab - graceful	12	
	Dungeness crab	1	Female (116 mm)
	Snake prickleback	2	
	Longfin smelt	103	
	Pacific cod	24	
	Pile perch	1	
	Shrimp	18 (25)	
	Snails	6	
	Staghorn sculpin	18	
	Anemone	1	
	#17 ES 2 GC 1	Starry flounder	143
Shiner surfperch		220	
Staghorn sculpin		50	
Pile perch		1	
Longfin smelt		25	
Graceful crab		5	
Shrimp		25	
Smoothhead sculpin	2		

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: Reach 132

Date: 08.30.17

Field Crew Initials: km, NM, TD

Collection Method: Trawl

	COLLECTION TIME	SPECIES	COUNT	COMMENTS
#17	1256	English sole	5 7	
	↓	Anemone	1	
#18	1324	Shiner surf perch	73	
EST GC 1		English sole	4	
		Pile perch	11	
		Pac. Cod	6	
		Gracful crab	10	
		Snake pickleback	1	
		Staghorn sculpin	12	
		Shrimp	14	
		snails	13	
		anemone	1	
		tunicate	1	
		Starry flounder	4	
		↓	Blackclawed crab (L. bellus)	1
#19	1400	Anemone	13	B
	Rock sole	2		
	Starry flounder	1 12		

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/ Crab Tissue

Location: Reach 132

Date: 8.30.17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

#19

55-16
05
13
GC-2

COLLECTION TIME	SPECIES	COUNT	COMMENTS
1400	Staghorn sculpin	36	
	Pacific cod	12	
	Longfin smelt	62	
	Shiner sutfinch	4	101
	Gracful crab	4	
	Herring	1	
	Urchin	2	
	Pile perch	2	
	shrimp Pandalus	8	
	Coonstripe stripe	11	
	Cancer oregonensis (pygmy rock crab)	1	
	English sole	11	
	Scalyhead sculpin	1	

NON-TARGET SPECIES TALLY FORM

Project Name: A003 Fish/Crab Tissue

Location: RZ

Date: 8-31-17

Field Crew Initials: My, AH

Collection Method: Crab Trap

COLLECTION TIME	SPECIES	COUNT	COMMENTS
1218	GC	1	Female; < 9cm
1227	GC	3	2 female; 1 male (< 9cm)
1239	GC	1	female; barnacles
1253	GC	1	female; barnacles, algae on shell
1302	GC	1	female; barnacles
1302	RC	2	both female
1315	GC	5	female (all)
1315	GC	2	male; < 9cm
1328	GC	2	1 male < 9cm; 1 female
1344	GC	1	female
1344	RC	2	both female
1357	RC	4	male
1357	RC	3	female
1404	RC	4	male
1458	GC	2	male; one missing claws; other missing claws & appendages
1504	GC	1	female; barnacles; hole in shell
1512	GC	3	female; all w/ barnacles; one missing claw
1518	GC	1	male, < 9cm

~~B + M~~
~~C. G. AC~~

①

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: Beach 132

Date: 08.31.17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

#20
GC: 3
ES: 18, 6
SA: 1

COLLECTION TIME	SPECIES	COUNT	COMMENTS
0815	Red rock crab	6	#11
	Anemone	26	8+8+4+6
	Sea star	2	11
	Gracful crab	32	31+1
	Shiner sutfperch	104	40+54+10 20
	Pacific cod	5	3+1+1
	Staghorn sculpin	13	
	Longfin smelt	85	
	English sole	6	
	shad	1	1
	Pile perch	9	9+
	Rock sole	1	
	Shrimp	30	29+1
	Cancer oregonensis (pygmy rock crab)	1	1
	Kelp crab	1	1
	Hermit crab	1	
	Starry flounder	48	

2

NON-TARGET SPECIES TALLY FORM

Project Name: ACC3 Fish/ Crab Tissue

Location: Reach 132

Date: 08.31.17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS
#21 0949 ↓	Starry flounder	6	
	Graceful crab	6	
	Pile perch	2	
	Roughback sculpin	1	1
	Pacific ood	2	
	Staghorn sculpin	2	
	English sole	1	
#22 1017 ↓	Rock sole	1	
	snails	6	
	hermit crab	2	
	Starry flounder	1	
	shrimp	3	
	Shiner sutfrech	4	
	graceful crab	17	
	Staghorn sculpin	1	
	Roughback sculpin	1	

ES 2
GC 1
SS 13

GL 1
SS 17

3

NON-TARGET SPECIES TALLY FORM

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
#23 GC-2 SF-4 ES-2 SS-14 1042	Shrimp	108	18 + 90
	graceful crab	25	2 + 23
	starry flounder	7	1
	Pacific cod	4	
	Shrimp		
	longfin smelt	8	
	Anemone	1	1
	English sole	4	
	Pile perch	1	1
	Cancer oregonensis	1	
	Staghorn sculpin	2	
	English sole Decorator crabs	1	
#24 1121	Graceful crabs	19	6 + 13
	shrimp	79	
	Herring	1	
	Anemone	23	2 + 1
	Snake prickleback	1	
	Buffalo sculpin	1	

4

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/ Crab TISSUE

Location: Reach 132

Date: 08.31.17

Field Crew Initials: KM, NM, TD

Collection Method: Trawl

#24
GC-1
SA-1
SS-13

COLLECTION TIME	SPECIES	COUNT	COMMENTS
#1121	Pacific cod	5	3+2
	Pile perch	1	1
	Staghorn sculpin	6	5
	starry flounder	1	
	longfin smelt	1	
	Shiner sculpin	1	
#1155	Shrimp	286	47+39
	Gracful crab	9	6+2+1
	Staghorn sculpin	3	
	Oregonia gracilis	5	3+2
	Rock sole	63	3+ 60
	Rough back sculpin	1	1
	Pacific cod	1	1
	English sole	1	1
	Black tip poacher	1	
	longfin smelt	3	
Snake pickleback	1		
#1251	Shrimp	236	15+85+70+26+40

GC-1

#26

5

NON-TARGET SPECIES TALLY FORM

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	
1251	Anemone	8	8+	
	Pacific cod	11	3+2+4+2	
	Staghorn sculpin	4	4+	
	Rock sole	7	4+2+1	
	Graceful crab	19	12+4+1+1+1	
	Red rock crab	1	1	
	Urchin	2	1+1	
	Hermit crab	1	1	
	Decorative crab	11	10+1	
	Shiner surfperch	1	1	
	Longfin smelt	1	1	
	Roughback sculpin	1	1	
	1326	Rock sole	12	
		Pacific cod	4	4
Graceful crab		23	23	
Staghorn sculpin		3		
Shiner surfperch		1		
Lyre crab		1		
	Butter sole			

#26
SS-2
GC-4
ES-4.2

#27
ES-4
SS-4.4

~~Butter sole~~ TD

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab tissue

Location: Reach 1 & 2

Date: 8.31.17

Field Crew Initials: KM, NM, TD

Collection Method: trawl

#27

#28
ES 9.5
SS-27
6C-2

COLLECTION TIME	SPECIES	COUNT	COMMENTS
1326	Decorator crabs	3	
↓	Shrimp	2	
	longfin smelt	1	
	starry flounder	1	
	English sole	2	
1347	Shrimp		8+2+2
↓	starry flounder	5	
	Snake pickle back	1	
	English sole		* 9+
	Roughback sculpin	6	
	Staghorn scalpin	10	
	Rock sole	15	
	Sand sole <20cm	1	
	Lyre crab	8	
✓	Decorator crabs	9	

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: Reach 132

Date: 09.01.17

Field Crew Initials: KM, JR, TD

Collection Method: trawl

#29
TZ-76
GC-5
ES-10

COLLECTION TIME	SPECIES	COUNT	COMMENTS
0834	Shiner surfperch	38	
	Gracful crab	102	40+42+19+1
	Tunicate	2	
	Nudibranch (Arminia)	2	
	Pacific cod	13	
	Staghorn sculpin	6	
	Roughback sculpin	1+3+4	
	Shrimp	14	
	starry flounder	3	
	Jemmy	4	
	Bonyfin smelt	3	
	Tunicate	2	
	Cockle	1	
	Hermit crab	1	
	English sole	15	
	Lyre crab	9	
	Kelp	1	
	Oregonia	14	
Rock sole	11		
Padded swlpin	1		

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/ Crab Tissue

Location: Reach 132

Date: 9.1.17

Field Crew Initials: KM, JR, TD

Collection Method: trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS
#30	NO CATCH		
#31	0948		
	Staghorn sculpin	2	
	Shiner surfperch	44 41	44+2+1+2
	Gracful crab	23	21+2
	Herring	6	2+4
	Starry flounder	2+1	
	Anemone	1	1
	Sea cuc. <i>Parastichomyx californicus</i>	1	1
	Tile perch	1	1
	Rough back sculpin	2	
	Poacher	1	
	Hermit crab	1	
	Nudibranch (striped)	1	
	Shrimp	3	
	Kelp crab	2	
	Oregonia crab	9	
	English sole	8	
	Rock sole	5	
	Nudibranch - David	1	

ES:1

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Grab Tissue

Location: Reach 132

Date:

Field Crew Initials: KM, JR, TD

Collection Method: 9.1.17 Trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS
#32 1013	Kelp crab	1	
↓	grapeful crab	2	
↓	Lyre crab	1	
#33 1037	Herring	2	1+1
ES: 6 GC: 3	Pacific cod	35	26+7+1+1
	grapeful crab	52	52
	starry flounder	1	1
	shiner surf perch	84	42+38+2+4
	Anemone	3	3
	Red rock crab	1	1
	staghorn sculpin	5	5
	Oregonia crabs	6	5+1
	Lyre crab	14	14
	Kelp crab	2	1+1
	Buffalo sculpin	1	1
	Brownback sculpin	6	6
	Shrimp	7	3+4
	Striped nudibrach	2	
	Rock sole	14	6+8
	English Cockeye	20	9+11
	Cockle	1	1
	urchin	1	1
Tunicate	1	1	

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab Tissue

Location: Reich 132

Date: 9.1.17

Field Crew Initials: KM, JR, TD

Collection Method: trawl

	COLLECTION TIME	SPECIES	COUNT	COMMENTS
#34	1116	Rock sole	2	2
		Starry flounder	28	28
		Graceful crab	19	19
		Pacific cod	2	2
		Shiner surf perch	20	14+5+1
		Cockle	1	1
		Staghorn sculpin	7	7
		Pile perch	1	1
		Herring	3	2+1
		Shrimp	16	2+2+12
		Longfin smelt	2	2
		Hermit crab	2	2
		English sole	7	7
		Urchin	1	1
		Snake prickleback	1	1
#35	1155	Starry flounder	70	53+12+5
		Shiner surf perch	75	50+23+2
		Pacific cod	8	5+3

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Crab tissue

Location: Reach 1 §2

Date: 9.1.17

Field Crew Initials: km, JR, TD

Collection Method: trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS	
#35 1155 ↓	Herring	8	4+4	
	Longfin smelt	32	25+6+1	
	Pile perch	1	1	
	Graceful crab	5	5	
	Staghorn sculpin	22	20+2	
	Longfin smelt	8	6+2	
	Hermit crab	1	1	
	Shrimp	12	12	
	English sole	35	35	
	Nudibranch	1	1	
	Rough back sculpin	3	3	
	Kelp crab	1	1	
	Rock sole	8	8	
	#36 1305 ↓	Shiner surf perch	92	67+10+12+3
		Pile perch	14	11+1+1
Anemone		1	1	
Graceful crab		11	9+2	
Staghorn sculpin		13	17+1	

EC-1
ES-4
SR-3

EC-4
ES-1

NON-TARGET SPECIES TALLY FORM

Project Name: ACC3 Fish/Grab Tissue

Location: Reach 132

Date:

Field Crew Initials: KM, JR, TD

Collection Method: 9.1.17 Trawl

	COLLECTION TIME	SPECIES	COUNT	COMMENTS
GC-4 ES-1	1305	Pacific cod	8	8
		Starry flounder	10	7+2+1
		snake prickleback	1	1
		Rock sole	1	1
		English sole	77	77
		Shrimp	21	21
		snails	13	13
		#37	1331	shiner surfperch
ES-4	↓	Pile perch	4	3+1
		Pacific cod	24	13+7+2+1+1
		starry flounder	27	20+5+2
		English sole	137	40+40+57
		Pacific cod Herring	1	1
		Graceful crab	24	14+9+1
		Anemone	1	1
		longfin smelt	13	2+1
		Rock sole	1	1
		Staghorn sculpin	48	48
		Hermit crabs	12	8+4
		Shrimp	17	11+1+1+2+2
		Sea Pen	1	1
		H. Oregonensis crab	1	1
Prickly sculpin	3	3		

NON-TARGET SPECIES TALLY FORM

Project Name: AOC3 Fish/Grab Tissue

Location: Reach 132

Date:

Field Crew Initials: KM, JR, TD

Collection Method: 9.1.17 Trawl

COLLECTION TIME	SPECIES	COUNT	COMMENTS
#58 GC-1 1403 ↓	Starry flounder	4	1+3
	Pile perch	2	2
	Cockle	1	1
	Gracful crab	3	3
	Snake pickleback	1	1
	Pacific cod	2	2
	English sole	10	1+9
	Shiner surfperch	31	30+1
	Starry flounder Heming	4	4
	Smelt (long fin)	1	1
	Hermit crabs Gastropod	7	6+1
	Stages	2	2
	Shrimp	1	1
	H. oregonensis crab	1	1

Field Notes - Crabs

2
8-29-17

ADC3 Crab Sampling Mt. Yarnes

0750 Arrive @ Harbor Island Marina

Weather: Sunny, hazy, calm
70's warming into mid 80'sCrew: John Schader, Pete Jenkins,
Chad Furlie for Gravity
Remy Mathomet from Clearway
Mike Yarnes and Jenna Rhenber
from Windward

0800 Mobilized gear onto boat

0810 Health & Safety meeting

0820 Depart from marina for Reach 2

0905 Deploy Trap 1

0912 Deploy Crab Trap 2

0923 Deploy Crab Trap 3

0928 Deploy Crab Trap 4

0933 Deploy Crab Trap 5

0940 Deploy Crab Trap 6

0944 Deploy Crab Trap 7

0949 Deploy Crab Trap 8

0952 Deploy Crab Trap 9

0957 Deploy Crab Trap 10

1015 Arrive @ S. Park Marina

1145 Depart from S. Park Marina

3
8-29-17 ADC3 Crab Sampling M. Yarnes

1152 Retrieve Crab Trap 1

1154 Redeploy Crab Trap 1

1157 Retrieve Crab Trap 2

1158 Redeploy CT 2

1202 Retrieve CT 3

1203 Redeploy CT 3

1207 Retrieve CT 4

1208 Redeploy CT 4

1212 Retrieve CT 5

1212 Redeploy CT 5

1220 Retrieve CT 6

1220 Redeploy CT 6

1223 Retrieve CT 7

1224 Redeploy CT 7

1229 Retrieve and redeploy CT 8

1232 Retrieve CT 9

1233 Redeploy CT 9

1237 Retrieve and redeploy CT 10; head
toward S. Park Marina to check
Passive sampler trap1245 Checked Passive Sampler trap
near S. Park bridge; looked good1315 Checked passive sampler trap
just N/downstream of 1st Ave Bridge; OK
looked good

8-29-17 AOC3 Crab Sampling M. Yarnes

- 1354
- 1345 (M) Retrieve CT1; remove bait
- 1408 Retrieve CT2; remove bait
- 1417 Remove CT3; remove bait
- 1424 Retrieve CT4; remove bait
- 1430 Retrieve CT5; remove bait
- 1435 Retrieve CT6; remove bait
- 1440 Retrieve CT7; remove bait
- 1445 Retrieve CT8; remove bait
- 1450 Retrieve CT9; remove bait
- 1454 Retrieve CT10; remove bait; headed back to Harbor Island Marina
Arrive @ Harbor Island Marina to unload equipment & help process on fish boat
- 1915 Finished processing; off-water
- 1945 Final demobilization & prepping for tomorrow.

Mike Yarnes

8-29-17



8-30-17 AOC3 Crab Sampling M. Yarnes

- 0745 Arrive @ Harbor Island Marina
Weather: Overcast, low to mid 60's
warming into mid 70's
wind 5-10 mph
Crew: Windward -> Mike Yarnes and Jenna, Rheuben
Gravity -> Chad Furlic and Ed Sloan
Clearway -> Renny Mathonnet
- 0800 Mobilized gear onto Gravity boat
- 0810 Health and Safety meeting
- 0825 Depart from marina for Reach 2
- 0858 Deploy CT (crab trap) 11
- 0902 Deploy CT12
- 0906 Deploy CT13
- 0912 Deploy CT14
- 0918 Deploy CT15
- 0922 Deploy CT16
- 0928 Deploy CT17
- 0933 Deploy CT18
- 0938 Deploy CT19
- 0941 Deploy CT20
- 0945 Began patrolling trap locations

William Rain

6
8.30.17 AOC3 Crab Sampling M. Yarnes

- 1030 Headed to Harbour Island Marina for bathroom/lunch break
1110 Arrive @ Harbour Island Marina
1120 Depart from Harbour Island Marina to retrieve traps
1201 Retrieve CT11
1203 Redeploy CT11
1208 Retrieve CT12
1212 Redeploy CT12
1217 Retrieve CT13
1218 Redeploy CT13
1223 Retrieve CT14
1227 Redeploy CT14
1229 Retrieve CT15
1232 Redeploy CT15
1236 Retrieve CT16
1237 Redeploy CT16
1242 Retrieve CT17
1243 Redeploy CT17
1248 Retrieve CT18
1249 Redeploy CT18
1253 Retrieve CT19 and redeploy CT19
1255 Retrieve CT20; moving CT20 to new location downstream

7
8.30.17 AOC3 Crab Sampling M. Yarnes

- 1313 Deploy CT21; moving to dock and take bathroom break at South Park Marina
1325 Arrive @ South Park Marina
1400 Depart from South Park Marina for CT11
~~1410~~
1411 Retrieve CT11
1413 Redeploy CT11; soak overnight
1417 Retrieve CT12; remove bait (un)
1420 Redeploy CT12; soak overnight
1424 Retrieve CT13
1427 Redeploy CT13; soak overnight
1432 Retrieve CT14; remove bait
1435 Retrieve CT15; remove bait
1439 Retrieve CT16; remove bait
1445 Retrieve CT17; remove bait
1450 Retrieve CT18; remove bait
1453 Retrieve CT19; remove bait
1513 Retrieve CT21; remove bait
1515 Headed back to Harbour Island Marina
1548 Arrive @ ~~South Park~~ Harbour Island Marina; demobilization of crab boat & help process on fish table

8
8.30.17 AOC3 Crab Sampling M. Yarnes

1645 Finished processing; off-water

1650 Departed from marina

~~1700~~

~~1750~~

1715 Finished demulsification process
& prepping for tomorrow.

~~8.30.17~~

~~Mike Yarnes~~

~~Mike Yarnes~~

9
8.31.17 AOC3 Crab Sampling M. Yarnes

0740 Arrive @ Harbor Island Marina;
Began mobilizing boat gear

0815 Health & Safety meeting

0820 Depart from Harbor Island Marina

Weather: Overcast, low 60s, calm

Clearing in afternoon into mid 70s

Crew: Windward → Mike Yarnes,

Abby Hawley

Gravity → Ed Sloan,

Mike Duffield

Clearway → Remy Mathonnet

0838 Retrieve CT11

0842 Retrieve CT12

0845 Retrieve CT13

0850 Spoke with Susie McGroddy;

instructed to move into Reach 1 to

begin trapping effort in order to

assess population in Reach 1. Baiting

traps along the way.

0921 Deploy CT22

0928 Deploy CT23

0935 Deploy CT24

0941 Deploy CT25

8.31.17 AOC3 Crab Sampling

M. Yarnes

- 0950 Deploy CT26
 0959 Deploy CT27
 1005 Deploy CT28
 1016 Deploy CT29
 1024 Deploy CT30
 1027 Deploy CT31
 1030 Began moving towards CT22^E
 & lunch/bathroom break
 1218 Retrieve CT22
 1223 Redeploy CT22
 1227 Retrieve CT23
 1230 Redeploy CT23
 1239 Retrieve CT24
 1246 Redeploy CT24
 1253 Retrieve CT25
 1256 Redeploy CT25
 1302 Retrieve CT26
 1306 Redeploy CT26
 1315 Retrieve CT27
 1320 Redeploy CT27
 1328 Retrieve CT28
 1333 Redeploy CT28
 1344 Retrieve CT29
 1350 Redeploy CT29

8.31.17 AOC3 Crab Sampling M. Yarnes

- 1357 Retrieve CT30
 1401 Redeploy CT30
 1404 Retrieve CT31
 1407 Redeploy CT31
 1410 Headed to Harbor Island Marina
 for bathroom break
 1430 Depart from Marina for CT22
 1454 Retrieve CT22; remove bait
 Redeploy CT22 (M)
 1458 Retrieve CT23
 1459 Redeploy CT23; overnight soak
 1504 Retrieve CT24
 1506 Redeploy CT24; overnight soak
 1512 Retrieve CT25
 1513 Redeploy CT25; overnight soak
 1518 Retrieve CT26; remove bait
 1526 Retrieve CT27; remove bait
 1530 Retrieve CT28; remove bait
 1538 Retrieve CT29; remove bait
 1545 Retrieve CT30; remove bait
 1549 Retrieve CT31; remove bait
 Headed back to Harbor Island Marina
 1555 Arrive @ HIM and begin assisting
 fish processing boat.

8.31.17 AOC3 crab tissue M. Yarnes

1645 Finished fish processing; began demobilization from boat

1700 Off-water

8-31-17

M. Yarnes

9.1.17 AOC3 crab tissue Myames

0730 Arrive @ Harbor Island Marina.
Began mobilization of boat gear.

0810 Health & Safety meeting
Weather: Upper 60's warming to upper 70's, low 80's in afternoon
Sunny, calm

0815 Depart from marina. Headed to pull traps soaking overnight

0837 Retrieve CT25; remove bait

0845 Retrieve CT24; remove bait

0852 Retrieve CT23; remove bait

0952 Deploy CT32

0955 Deploy CT33

0959 Deploy CT34

1004 Deploy CT35

1007 Deploy CT36

1009 Deploy CT37

1014 Deploy CT38

1016 Deploy CT39

1019 Deploy CT40

1022 Deploy CT41

9.1.17 AOC3 Crab Sampling M. Yarnes

- 1030 Headed to marina for lunch/bathroom break
- 1315 Headed to CT32; depart from marina
- 1335 Retrieve CT32; remove bait
- 1340 Retrieve CT33; remove bait
- 1345 Retrieve CT34; remove bait
- 1348 Retrieve CT35; remove bait
- 1358 Retrieve CT36; remove bait
- 1408 Retrieve CT37; remove bait
- 1413 Retrieve ~~CT37~~^{CT39}; remove bait
- 1419 Retrieve CT38; remove bait
- 1422 Retrieve CT40; remove bait
- 1426 Retrieve CT41; remove bait
- 1430 Depart for Harbor Island Marina
- 1445 Arrive @ Harbor Island Marina and begin assisting processing on fish boat
- 1615 Finished processing; began demobilization of supplies/samples from fish boat
- 1630 Off-water

M. Yarnes Mathonnet
9.1.17

9.5.17 AOC3 Crab Sampling M. Yarnes

- 0700 Arrive @ Harbor Island Marina; mobilize boat gear
- 0710 Health & Safety meeting
- 0715 Depart marina for Reach 2 Crab locations.
- Weather: Overcast, calm low 70's
Highs in the low 90's today,
Hazy
- Crew: Windward: Thai DO, Mike Yarnes
Gravity → Jeff Wilson, Chad Furlie
Clearway → Remy Mathonnet
- 0746 Deploy CT42
- 0749 Deploy CT43
- 0753 Deploy CT44
- 0756 Deploy CT45
- 0759 Deploy CT46
- 0806 Deploy CT47
- 0811 Deploy CT48
- 0819 Deploy CT49
- 0822 Deploy CT50
- 0833 Deploy CT51
- 0845 Passive Sampler 1 looks good
- 0905 Passive Sampler 2 looks good

- 9.5.17 AOC3 crab sampling M. Yarnes
- 1000 Arrive @ Harbor Island Marina for lunch
- 1010 Received call from Susie McCreedy; we have been instructed to target navigation channel when redeploying traps for second soak of the day.
- 1125 Depart from Harbor Island Marina
- 1154 Retrieve CT42
- 1156 Deploy CT52
- 1159 Retrieve CT43
- 1201 Deploy CT53
- 1204 Retrieve CT44
- 1207 Redeploy ~~CT53~~ CT44
- 1215 Deploy CT54
- ~~1218~~ Retrieve CT45 → 1210
- ~~1220~~ Deploy ~~CT55~~ CT54 → 1215
- ~~1225~~ Retrieve CT46 → 1218
- 1220 Deploy CT55
- 1225 Retrieve CT47
- 1227 Deploy CT56
- 1242 ~~Deploy CT57~~ Retrieve 48
- 1243 Deploy CT57
- 1248 Retrieve CT49
- 1250 Deploy CT58
- 1252 Retrieve CT50

- 9.5.17 AOC3 crab sampling M. Yarnes
- 1255 Deploy CT59
- 1304 Retrieve CT51; check in with office
- 1308 Deploy CT60
- 1310 Based on call to office, we will be soaking traps overnight if remaining crab numbers are not met.
- 1402 Retrieve CT52
- 1407 Deploy CT61; added bait
- 1408 Retrieve CT53
- 1410 Deploy CT62; added bait
- 1411 Retrieve CT44
- 1419 Deploy CT63; added bait
- 1422 Retrieve CT54
- 1424 Deploy CT54; added bait
- 1426 Retrieve CT55; remove bait
- 1433 Retrieve CT56; remove bait
- 1439 Retrieve CT57; remove bait
- 1444 Retrieve CT58; remove bait
- ~~1447~~ 1447 Retrieve CT59; remove bait
- 1455 Retrieve CT60; remove bait
- 1511 ¹⁵⁰⁰ Retrieve ~~CT61~~ CT57; remove bait
- 1515 Retrieve CT63; remove bait
- 1522 Retrieve CT62; remove bait
- 1525 Head back to Harbor Island Marina
Hide in the Rain.

9.5.17 AOC3 Crab Sampling Mr Yarnes

1552 Arrive @ Harbor Island Marina and
begin demobilization from crab boat

1605 Off-water

Mike Yarnes

9.5.17

Field Notes - Fish

08.29.17

T. Do.

0745 Arrive at Harbor Island Marina A dock.
 WW
 Kate Mc Peck
 Nina Maas
 Thai Do.

Sunny; forecast hi 70s - low 80's

- 0800 Meet up with BioMann
 Charlie Eaton & Tom Putnam
 R/V Kittiwake & Jake Williams
- 0805 Load up supplies/eqpt. (USACE)
- 0810 Rob Fritz - (Clearways) arrives
- 0815 Jeff Stern (KC) arrives; conduct
 Health & Safety briefing
- 0835 Depart marina, head to Reach
 2 to begin trawls.
- 0905 Arrive at Reach 2, begin setting
 up trawl
- 0907 Begin trawl #1 } 2A
 0914 End trawl #1 }
 1003 Begin trawl #2 } 2A
 1015 End trawl #2 }
 1054 Begin trawl #3 } 2B
 1100 End trawl #3 }

08.29.17

T. Do

- 1121 Begin trawl #4 } 2B
 1127 End trawl #4 }
 1140 Begin trawl #5 } 2B
 1150 End trawl #5 }
 1210 Lunch break
- 1226 Begin trawl #6 } 2
 1232 End trawl #6 }
 1250 Begin trawl #7 } 2
 1253 End trawl #7 }
 1307 Begin trawl #8 } 2
 1318 End trawl #8 }
 1336 Begin trawl #9 } 2
 1354 End trawl #9 }
 1404 Begin trawl #10 } 2
 1421 End trawl #10 }
 1436 Head back to marina to process
 catch from all ten trawls.
- 1506 Back at marina to process fish
- 1515 Jake Williams departs, ^{arrives} ~~coast~~ crew
- 1545 Charlie Eaton, Tom Putnam
 and Jeff Stern depart.
- ~~1915~~ Complete processing fish
 Rob Fritz & Remy departs
- 1930 Depart marina to drop off

⁴
08.29.17

samples
End of field day.

TDO

~~08.29.17
TDO~~

08.30.17

⁵
TDO.

0750

Arrive at Harbor Island
Marina. Load supplies.

WU - Kate McPeck

- Nina Maas

- Thai Do

USACE - Jake Williams

KC - Jeff Stern

Bio-Marine - Charlie Eaton

- Tom Putnam

0810

Health and Safety briefing.

0815

Head up to Reach 2, work to
during flood tide

Jeff. said to consider working
reach 1 during ~~the~~ ebb tide

0837

Begin trawl #11

0850

End trawl #11

0900

Begin trawl #12

0925

End trawl #12

0946

Begin trawl #13

1003

End trawl #13

1022

Begin trawl #14

1037

End trawl #14, down in
net, minimal catch. ~~begin trawl~~

~~Begin trawl #15~~

08.30.17

TDO

Trawl not processed b/c
of potential impact to
any tissue samples.

1105 Begin trawl #15

1119 End trawl #15

~~1149~~ 1130 Begin trawl #16

1147 End trawl #16

1210 Lunch break

1238 Begin trawl #17

1256 End trawl #17

1310 Begin trawl #18

1324 End trawl #18

1341 Reached fish target totals.

Will do one trawl in Reach 1B
before heading back to marina to
process. Susie also said to
leave 3 traps out overnight, in
lower Crane marine area) to
see if it increases catch success.

Relayed info to crab crew.

1347 Begin trawl #19 2 2B N

1400 End trawl #19 S

1420 Head back to marine to process.

1435 Arrive at marina.

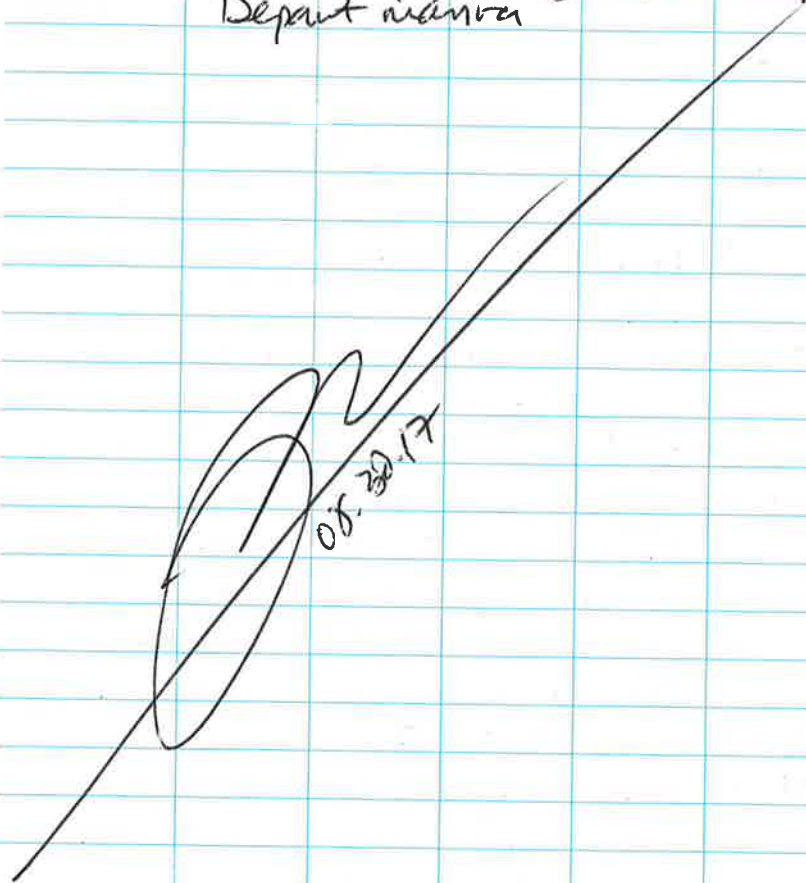
08.30.17

TDO

1445 Begin processing

1515 Charles Eaton, Tom Pothorn
and Jeff Skon depart.

1630 Rob & Remy departs

1645 End of processing & field day.
Depart marina

08.31.17

TDO

0745 Arrive at Harbor Island Marina.
Meet up w/ Pete Rude (SPU)
and Kristin Kerns (USACE), Rob
Fritz (Clearway), Charlie Eaton &
Bio-Marine), Tom Putnam (Bio-
Marine)
WW - Kate McPeak, Wines Mass
Thai Do., sunny to mid 70's

0800 Load supplies/eqpt.

0810 Health & Safety briefing.

0815 Depart marina to trawl reach
1B.

0825 Susie called and said to focus
crab traps in Reach 1

0830 Called Mike to relay message.

0830 Begin trawl # 20 } 1B N

0845 End trawl # 20 }
log and fire in trawl.

0943 Begin trawl # 21 } 1B S

0949 End trawl # 21 }
}

1010 Begin trawl # 22 } 1B S

1017 End trawl # 22 }
}

1035 Begin trawl # 23 } 1A S

1042 End trawl # 23 }
}

08.31.17

TDO.

1108 Begin trawl # 24 } 1A S

1121 End trawl # 24 }
}

1144 Begin trawl # 25 } 1A MS N

1155 End trawl # 25 }
}

1215 Lunch break

1237 ~~End~~ Begin trawl # 26 } 1A N

1251 End trawl # 26 }
}

1315 Begin trawl # 27 } 1A N

1326 End trawl # 27 }
}

1337 Begin trawl # 28 } 1A N

1347 End trawl # 28 }
}

1415 Head back to marina to
process fish.

1426 Arrive at marina. Kristina
Kerns (USACE) departs.

1430 Pete Rude (SPU) departs

1500 Charlie Eaton & Tom
Putnam departs

1700 Complete processing. Remy & Rob
(Clearway) depart. Cleanup

1715 Load up coolers and depart.
End of field day.

TDO
08.31.17

09.01.17

T.D.O

- 0745 Arrive at Harbour Island Marina.
Sunny, forecast hi 70s-10 80s
- 0750 Meet up w/ Debra Williston (KC),
Elle Hale (CPA), Rob Fritz
(Clearways), Charlie Eaton &
Tom Putnam (Bio-Marine)
Kate McPeck, Jenna Rheauman
and Thai Do (WW)
- 0800 Load supplies, set up eqpt.
- 0810 Health & Safety plan
- 0815 Head out to trawl reach 1
(for English sole).
- 0823 Begin trawl #29 } 1
- 0834 End trawl #29 } 1
- 0922 Begin trawl #30 } 1
- 0927 End trawl #30 } 1
trawl empty (doors hung up
and twisted net)
- 0930 Talked to Elle & Debra about
going to Reach 2 to get
graceful crab if/when we
complete fish/graceful tissue
in Reach 1. They agreed.
- 0937 Begin trawl #31 } 1

09.01.17

T.D.O

- 0948 End trawl #31 - 1
- 1000 Begin trawl #32 } 1
- 1013 End trawl #32 } 1
(Netting slipped, so mostly
empty.)
- 1026 Begin trawl #33 } 1
- 1037 End trawl #33 } 1
- 1109 Begin trawl #34 } 1
- 1110 End trawl #34 } 1
- 1146 Begin trawl #35 } 1
- End trawl #35 } 1
- Note: Charlie did not
record trawl # 30
so our trawl #s will be off
by 1
- 1230 Lunch break, move to reach 2
- 1251 Begin trawl #36 } 2
- 1305 End trawl #36 } 2
*targeting crabs only
- 1317 Begin trawl #37 } 2
- 1331 End trawl #37 } 2
- 1349 Begin trawl #38 } 2
- 1403 End trawl #38 } 2
- 1415 Head back to marina to process

09.01.17

TIDO

- 1440 Arrive at Harbor Island marina
 1445 Set up for processing. Debra
 & Elle observing
 1455 Process fish, Tom & Charlie depart
 1545 Debra and Elle Depart, crab
 crew arrives
 1600 Complete processing, clean up
 1630 Load samples. Depart
 marina. End of on-water
 field day.

~~09.01.17
 TIDO~~

Chain of Custody Forms

2 of 43

CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/31/2017	13:47	LDW17-R1-ES121 /	1	Tissue	x							1-ES-comp2 L28215-2
8/31/2017	13:26	LDW17-R1-ES111 /	1	Tissue	x							1-ES-comp2 -2
8/30/2017	14:00	LDW17-R1-ES071 /	1	Tissue	x							1-ES-comp2 -2
8/31/2017	8:45	LDW17-R1-ES096 /	1	Tissue	x							1-ES-comp2 -2
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	x							1-ES-comp2 -2
9/1/2017	10:37	LDW17-R1-ES139 /	1	Tissue	x							1-ES-comp2 -2
9/1/2017	8:34	LDW17-R1-ES131 /	1	Tissue	x							1-ES-comp2 -2
8/31/2017	10:42	LDW17-R1-ES100 /	1	Tissue	x							1-ES-comp2 -2
8/31/2017	12:51	LDW17-R1-ES102 /	1	Tissue	x							1-ES-comp2 -2
Total Number of Containers			10	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: <u>Amara Vandervort</u> Print name: <u>Amara Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Woodward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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* Distribution: White copies accompany shipment; yellow retained by consignor.



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To be completed by Laboratory upon sample receipt:

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

3 of 43

CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/31/2017	8:45	LDW17-R1-ES088 ✓	1	Tissue	x						1-ES-comp3 L28215-3
9/1/2017	8:34	LDW17-R1-ES129 ✓	1	Tissue	x						1-ES-comp3 -3
8/31/2017	13:47	LDW17-R1-ES118 ✓	1	Tissue	x						1-ES-comp3 -3
8/31/2017	13:47	LDW17-R1-ES116 ✓	1	Tissue	x						1-ES-comp3 -3
9/1/2017	8:34	LDW17-R1-ES125 ✓	1	Tissue	x						1-ES-comp3 -3
8/30/2017	14:00	LDW17-R1-ES073 ✓	1	Tissue	x						1-ES-comp3 -3
8/31/2017	8:45	LDW17-R1-ES092 ✓	1	Tissue	x						1-ES-comp3 -3
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 -3
9/1/2017	10:37	LDW17-R1-ES138 ✓	1	Tissue	x						1-ES-comp3 -3
			1	Tissue	x						
			1	Tissue	x						
Total Number of Containers			10	Purchase Order / Statement of Work # PO 2017-0020							

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/31/2017	8:45	LDW17-R1-ES080 ✓	1	Tissue	x							1-ES-comp4 L28215-4
9/1/2017	10:37	LDW17-R1-ES141 ✓	1	Tissue	x							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	x							1-ES-comp4 -4
8/31/2017	8:45	LDW17-R1-ES086 ✓	1	Tissue	x							1-ES-comp4 -4
8/31/2017	13:26	LDW17-R1-ES108 ✓	1	Tissue	x							1-ES-comp4 -4
8/31/2017	13:47	LDW17-R1-ES124 ✓	1	Tissue	x							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	x							1-ES-comp4 -4
8/31/2017	13:47	LDW17-R1-ES117 ✓	1	Tissue	x							1-ES-comp4 -4

Total Number of Containers 10 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Ward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/31/2017	8:45	LDW17-R1-ES081 /	1	Tissue	x							1-ES-comp5 L28215-5
8/30/2017	14:00	LDW17-R1-ES072 /	1	Tissue	x							1-ES-comp5 -5
8/31/2017	8:45	LDW17-R1-ES097 /	1	Tissue	x							1-ES-comp5 -5
8/31/2017	13:47	LDW17-R1-ES119 /	1	Tissue	x							1-ES-comp5 -5
8/31/2017	8:45	LDW17-R1-ES082 /	1	Tissue	x							1-ES-comp5 -5
9/1/2017	8:34	LDW17-R1-ES127 /	1	Tissue	x							1-ES-comp5 -5
8/31/2017	13:26	LDW17-R1-ES109 /	1	Tissue	x							1-ES-comp5 -5
8/31/2017	8:45	LDW17-R1-ES085 /	1	Tissue	x							1-ES-comp5 -5
9/1/2017	10:37	LDW17-R1-ES140 /	1	Tissue	x							1-ES-comp5 -5
8/31/2017	8:45	LDW17-R1-ES089 /	1	Tissue	x							1-ES-comp5 -5

Total Number of Containers 10 **Purchase Order / Statement of Work #** PO 2017-0020

1) Released by: Print name: <u>A Vandervort</u> Signature: <u>[Signature]</u> Company: <u>axys</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: Print name: <u>[Signature]</u> Company: <u>SGS-AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Print name: Signature: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
9/1/2017	11:55	LDW17-R1-ES144 ✓	1	Tissue	x							1-ES-comp6 L28215-6
9/1/2017	10:37	LDW17-R1-ES136 ✓	1	Tissue	x							1-ES-comp6 -6
8/31/2017	13:47	LDW17-R1-ES120 ✓	1	Tissue	x							1-ES-comp6 -6
9/1/2017	8:34	LDW17-R1-ES133 ✓	1	Tissue	x							1-ES-comp6 -6
9/1/2017	8:34	LDW17-R1-ES134 ✓	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 ✓	1	Tissue	x							1-ES-comp6 -6
9/1/2017	8:34	LDW17-R1-ES126 ✓	1	Tissue	x							1-ES-comp6 -6
Total Number of Containers			10	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS-AXYS</u> Date/Time: <u>26 Sep 2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]	
					Dissection and Homogenization							
8/29/2017	10:15	LDW17-R2-ES007 ✓	1	Tissue	x							2-ES-comp1 (Bag 1) 28215-7
8/30/2017	11:47	LDW17-R2-ES067 ✓	1	Tissue	x							2-ES-comp1 (Bag 2) -7
9/1/2017	13:31	LDW17-R2-ES152 ✓	1	Tissue	x							2-ES-comp1 (Bag 1) -7
8/30/2017	9:25	LDW17-R2-ES048 ✓	1	Tissue	x							2-ES-comp1 (Bag 2) -7
8/30/2017	8:50	LDW17-R2-ES041 ✓	1	Tissue	x							2-ES-comp1 (Bag 2) -7
8/30/2017	11:19	LDW17-R2-ES058 ✓	1	Tissue	x							2-ES-comp1 (Bag 2) -7
8/30/2017	9:25	LDW17-R2-ES052 ✓	1	Tissue	x							2-ES-comp1 (Bag 2) -7
8/29/2017	10:15	LDW17-R2-ES014 ✓	1	Tissue	x							2-ES-comp1 (Bag 1) -7
8/30/2017	12:56	LDW17-R2-ES068 ✓	1	Tissue	x							2-ES-comp1 (Bag 2) -7
8/29/2017	13:54	LDW17-R2-ES030 ✓	1	Tissue	x							2-ES-comp1 (Bag 1) -7
Total Number of Containers			10	Purchase Order / Statement of Work # PO 2017-0020								
1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>			1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>			2) Released by:			2) Rec'd by:			

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To be completed by Laboratory upon sample receipt:

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

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/29/2017	13:54	LDW17-R2-ES026 ✓	1	Tissue	x							2-ES-comp2 (Bag 1) / 28215-8
9/1/2017	13:31	LDW17-R2-ES148 ✓	1	Tissue	x							2-ES-comp2 (Bag 1) - 8
8/29/2017	10:15	LDW17-R2-ES016 ✓	1	Tissue	x							2-ES-comp2 (Bag 1) - 8
8/29/2017	9:14	LDW17-R2-ES005 ✓	1	Tissue	x							2-ES-comp2 (Bag 1) - 8
8/29/2017	13:54	LDW17-R2-ES032 ✓	1	Tissue	x							2-ES-comp2 (Bag 1) - 8
8/30/2017	10:03	LDW17-R2-ES055 ✓	1	Tissue	x							2-ES-comp2 (Bag 2) - 8
8/29/2017	9:14	LDW17-R2-ES002 ✓	1	Tissue	x							2-ES-comp2 (Bag 1) - 8
8/30/2017	11:19	LDW17-R2-ES061 ✓	1	Tissue	x							2-ES-comp2 (Bag 2) - 8
8/30/2017	11:19	LDW17-R2-ES060 ✓	1	Tissue	x							2-ES-comp2 (Bag 2) - 8
8/30/2017	10:03	LDW17-R2-ES056 ✓	1	Tissue	x							2-ES-comp2 (Bag 2) - 8

Total Number of Containers

10

Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

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



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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
9/1/2017	13:31	LDW17-R2-ES147 /	1	Tissue	x							2-ES-comp3 (Bag 2) <i>L28215-9</i>
8/29/2017	14:21	LDW17-R2-ES035 /	1	Tissue	x							2-ES-comp3 (Bag 1) <i>-9</i>
8/30/2017	8:50	LDW17-R2-ES039 /	1	Tissue	x							2-ES-comp3 (Bag 2) <i>-9</i>
8/30/2017	10:03	LDW17-R2-ES057 /	1	Tissue	x							2-ES-comp3 (Bag 2) <i>-9</i>
8/29/2017	11:50	LDW17-R2-ES018 /	1	Tissue	x							2-ES-comp3 (Bag 1) <i>-9</i>
8/29/2017	13:18	LDW17-R2-ES022 /	1	Tissue	x							2-ES-comp3 (Bag 1) <i>-9</i>
8/30/2017	11:47	LDW17-R2-ES064 /	1	Tissue	x							2-ES-comp3 (Bag 2) <i>-9</i>
8/29/2017	12:32	LDW17-R2-ES019 /	1	Tissue	x							2-ES-comp3 (Bag 1) <i>-9</i>
8/30/2017	9:25	LDW17-R2-ES047 /	1	Tissue	x							2-ES-comp3 (Bag 2) <i>-9</i>
8/29/2017	14:21	LDW17-R2-ES034 /	1	Tissue	x							2-ES-comp3 (Bag 1) <i>-9</i>

Total Number of Containers 10 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <i>A. Vandervort</i> Signature: <i>[Signature]</i> Company: <i>Windward</i> Date/Time: <i>9/26/17</i>	1) Rec'd by: <i>[Signature]</i> Company: <i>SGS AXYS</i> Date/Time: <i>26-Sep-2017 11:05</i>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Bag ID]
8/29/2017	13:54	LDW17-R2-ES027 /	1	Tissue	x							2-ES-comp4 (Bag 1) <u>L28215-10</u>
8/30/2017	9:25	LDW17-R2-ES054 /	1	Tissue	x							2-ES-comp4 (Bag 1) <u>-10</u>
8/29/2017	10:15	LDW17-R2-ES011 /	1	Tissue	x							2-ES-comp4 (Bag 1) <u>-10</u>
8/29/2017	12:58	LDW17-R2-ES021 /	1	Tissue	x							2-ES-comp4 (Bag 1) <u>-10</u>
9/1/2017	13:05	LDW17-R2-ES145 /	1	Tissue	x							2-ES-comp4 (Bag 2) <u>-10</u>
8/30/2017	11:19	LDW17-R2-ES059 /	1	Tissue	x							2-ES-comp4 (Bag 1) <u>-10</u>
9/1/2017	13:31	LDW17-R2-ES154 /	1	Tissue	x							2-ES-comp4 (Bag 2) <u>-10</u>
8/30/2017	8:50	LDW17-R2-ES042 /	1	Tissue	x							2-ES-comp4 (Bag 2) <u>-10</u>
8/30/2017	12:56	LDW17-R2-ES069 /	1	Tissue	x							2-ES-comp4 (Bag 2) <u>-10</u>
9/1/2017	13:31	LDW17-R2-ES146 /	1	Tissue	x							2-ES-comp4 (Bag 2) <u>-10</u>
Total Number of Containers			10	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Ward environmental LLC</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/30/2017	8:50	LDW17-R2-ES038 ✓	1	Tissue	x							2-ES-comp5 (Bag 1) / 2821 S-11
8/30/2017	11:19	LDW17-R2-ES062 ✓	1	Tissue	x							2-ES-comp5 (Bag 1) -11
8/29/2017	9:14	LDW17-R2-ES006 ✓	1	Tissue	x							2-ES-comp5 (Bag 1) -11
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) -11
8/30/2017	11:47	LDW17-R2-ES066 ✓	1	Tissue	x							2-ES-comp5 (Bag 2) -11
8/29/2017	9:14	LDW17-R2-ES001 ✓	1	Tissue	x							2-ES-comp5 (Bag 1) -11
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	x							2-ES-comp5 (Bag 2) -11
8/29/2017	13:54	LDW17-R2-ES031 ✓	1	Tissue	x							2-ES-comp5 (Bag 1) -11
Total Number of Containers			10	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Ward Environmental</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/29/2017	10:15	LDW17-R2-ES009 ✓	1	Tissue	x						2-ES-comp6 (Bag 1) / 28215-17
8/29/2017	14:21	LDW17-R2-ES036 ✓	1	Tissue	x						2-ES-comp6 (Bag 1) -12
8/29/2017	9:14	LDW17-R2-ES003 ✓	1	Tissue	x						2-ES-comp6 (Bag 1) -12
8/30/2017	9:25	LDW17-R2-ES045 ✓	1	Tissue	x						2-ES-comp6 (Bag 1) -12
8/29/2017	10:15	LDW17-R2-ES012 ✓	1	Tissue	x						2-ES-comp6 (Bag 1) -12
8/29/2017	13:54	LDW17-R2-ES025 ✓	1	Tissue	x						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	LDW17-R2-ES051 ✓	1	Tissue	x						2-ES-comp6 (Bag 2) -12
9/1/2017	13:31	LDW17-R2-ES151 ✓	1	Tissue	x						2-ES-comp6 (Bag 2) -12
8/29/2017	13:54	LDW17-R2-ES028 ✓	1	Tissue	x						2-ES-comp6 (Bag 1) -12

Total Number of Containers 10 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amaia Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/31/2017	13:28	LDW17-R1-GC054	1	Tissue	x						1-GC-comp1 (Bag 2) / 28215-13
8/31/2017	9:49	LDW17-R1-GC029	1	Tissue	x						1-GC-comp1 (Bag 1) -13
9/1/2017	8:34	LDW17-R1-GC076	1	Tissue	x						1-GC-comp1 (Bag 1) -13
8/31/2017	12:51	LDW17-R1-GC051	1	Tissue	x						1-GC-comp1 (Bag 1) -13
8/31/2017	8:45	LDW17-R1-GC027	1	Tissue	x						1-GC-comp1 (Bag 1) -13
8/31/2017	15:38	LDW17-R1-GC066	1	Tissue	x						1-GC-comp1 (Bag 2) -13
9/1/2017	8:34	LDW17-R1-GC072	1	Tissue	x						1-GC-comp1 (Bag 1) -13

Total Number of Containers 7 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/31/2017	15:18	LDW17-R1-GC060	1	Tissue	x							1-GC-comp2 (Bag 1) / 282 3-14
8/31/2017	10:42	LDW17-R1-GC031	1	Tissue	x							1-GC-comp2 (Bag 1) -14
9/1/2017	10:37	LDW17-R1-GC079	1	Tissue	x							1-GC-comp2 (Bag 1) -14
8/31/2017	12:51	LDW17-R1-GC050	1	Tissue	x							1-GC-comp2 (Bag 1) -14
8/30/2017	14:00	LDW17-R1-GC023	1	Tissue	x							1-GC-comp2 (Bag 1) -14
8/31/2017	12:53	LDW17-R1-GC043	1	Tissue	x							1-GC-comp2 (Bag 2) -14
8/31/2017	13:28	LDW17-R1-GC055	1	Tissue	x							1-GC-comp2 (Bag 2) -14
Total Number of Containers			7	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Ward environmental</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)							Comments / Instructions [Composite/Bag ID]	
					Dissection and Homogenization								
8/31/2017	13:28	LDW17-R1-GC057	1	Tissue	x								1-GC-comp3 (Bag 2) 28215-15
8/31/2017	15:30	LDW17-R1-GC064	1	Tissue	x								1-GC-comp3 (Bag 1) -15
8/31/2017	10:17	LDW17-R1-GC030	1	Tissue	x								1-GC-comp3 (Bag 1) -15
8/31/2017	13:44	LDW17-R1-GC059	1	Tissue	x								1-GC-comp3 (Bag 2) -15
8/31/2017	13:15	LDW17-R1-GC044	1	Tissue	x								1-GC-comp3 (Bag 1) -15
8/31/2017	11:56	LDW17-R1-GC034	1	Tissue	x								1-GC-comp3 (Bag 1) -15
8/31/2017	12:51	LDW17-R1-GC049	1	Tissue	x								1-GC-comp3 (Bag 1) -15
Total Number of Containers			7	Purchase Order / Statement of Work # PO 2017-0020									
1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>			1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>			2) Released by: Print name: Signature: Company: Date/Time:			2) Rec'd by: Company: Date/Time:				

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

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]	
8/31/2017	15:30	LDW17-R1-GC065	1	Tissue	x							L28215 -16	LDW17-R1-GC065 (Bag 1)
8/31/2017	13:15	LDW17-R1-GC046	1	Tissue	x							-16	LDW17-R1-GC046 (Bag 1)
8/30/2017	14:00	LDW17-R1-GC024	1	Tissue	x							-16	LDW17-R1-GC024 (Bag 1)
8/31/2017	13:44	LDW17-R1-GC058	1	Tissue	x							-16	LDW17-R1-GC058 (Bag 2)
8/31/2017	8:45	LDW17-R1-GC026	1	Tissue	x							-16	LDW17-R1-GC026 (Bag 1)
8/31/2017	13:28	LDW17-R1-GC053	1	Tissue	x							-16	LDW17-R1-GC053 (Bag 2)
8/31/2017	15:30	LDW17-R1-GC063	1	Tissue	x							-16	LDW17-R1-GC063 (Bag 2)
Total Number of Containers			7	Purchase Order / Statement of Work # PO 2017-0020									

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)					Comments / Instructions [Composite/Bag ID]
8/31/2017	15:18	LDW17-R1-GC061	1	Tissue	x					28215-17	1-GC-comp5 (Bag 1)
8/31/2017	12:51	LDW17-R1-GC052	1	Tissue	x					-17	1-GC-comp5 (Bag 1)
8/31/2017	12:39	LDW17-R1-GC041	1	Tissue	x					-17	1-GC-comp5 (Bag 1)
9/1/2017	10:37	LDW17-R1-GC077	1	Tissue	x					-17	1-GC-comp5 (Bag 1)
8/31/2017	15:49	LDW17-R1-GC068	1	Tissue	x					-17	1-GC-comp5 (Bag 1)
8/31/2017	12:18	LDW17-R1-GC036	1	Tissue	x					-17	1-GC-comp5 (Bag 1)
8/31/2017	8:45	LDW17-R1-GC028	1	Tissue	x					-17	1-GC-comp5 (Bag 1)
Total Number of Containers			7	Purchase Order / Statement of Work # PO 2017-0020							

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/31/2017	13:28	LDW17-R1-GC056	1	Tissue	x							1-GC-comp6 (Bag 1)
8/31/2017	15:45	LDW17-R1-GC067	1	Tissue	x							1-GC-comp6 (Bag 2)
8/31/2017	12:27	LDW17-R1-GC038	1	Tissue	x							1-GC-comp6 (Bag 1)
9/1/2017	8:34	LDW17-R1-GC073	1	Tissue	x							1-GC-comp6 (Bag 1)
8/31/2017	11:21	LDW17-R1-GC033	1	Tissue	x							1-GC-comp6 (Bag 1)
8/31/2017	13:15	LDW17-R1-GC045	1	Tissue	x							1-GC-comp6 (Bag 1)
8/31/2017	13:15	LDW17-R1-GC047	1	Tissue	x							1-GC-comp6 (Bag 2)
Total Number of Containers			7	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS-AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Date of receipt:	Laboratory W.O. #:
Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
9/1/2017	8:34	LDW17-R1-GC074	1	Tissue	x							1-GC-comp7 (Bag 1)
8/31/2017	15:26	LDW17-R1-GC062	1	Tissue	x							1-GC-comp7 (Bag 1)
8/31/2017	12:18	LDW17-R1-GC035	1	Tissue	x							1-GC-comp7 (Bag 2)
8/31/2017	10:42	LDW17-R1-GC032	1	Tissue	x							1-GC-comp7 (Bag 1)
8/31/2017	12:39	LDW17-R1-GC039	1	Tissue	x							1-GC-comp7 (bag 2)
8/31/2017	12:39	LDW17-R1-GC040	1	Tissue	x							1-GC-comp7 (Bag 1)
8/31/2017	13:47	LDW17-R1-GC070	1	Tissue	x							1-GC-comp7 (Bag 1)

Total Number of Containers 7 **Purchase Order / Statement of Work #** PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Wardward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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* Distribution: White copies accompany shipment; yellow retained by consignor.



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To be completed by Laboratory upon sample receipt:

Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/31/2017	8:38	LDW17-R2-DC005	1	Tissue	x						2-DC-comp1 L28215-26
9/1/2017	13:58	LDW17-R2-DC009	1	Tissue	x						2-DC-comp1 -26
9/1/2017	13:48	LDW17-R2-DC008	1	Tissue	x						2-DC-comp1 -26
8/30/2017	14:24	LDW17-R2-DC002	1	Tissue	x						2-DC-comp1 -26
8/30/2017	14:17	LDW17-R2-DC001	1	Tissue	x						2-DC-comp2 -27
8/31/2017	8:42	LDW17-R2-DC006	1	Tissue	x						2-DC-comp2 -27
8/30/2017	15:13	LDW17-R2-DC003	1	Tissue	x						2-DC-comp2 -27
8/30/2017	15:13	LDW17-R2-DC004	1	Tissue	x						2-DC-comp2 -27

Total Number of Containers 8 **Purchase Order / Statement of Work #** PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Ward environmental</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]	
8/30/2017	11:19	LDW17-R2-GC014	1	Tissue	x								2-GC-comp1 (Bag 1)
9/5/2017	15:22	LDW17-R2-GC104	1	Tissue	x								2-GC-comp1 (Bag 1)
8/30/2017	8:50	LDW17-R2-GC008	1	Tissue	x								2-GC-comp1 (Bag 1)
8/29/2017	13:18	LDW17-R2-GC007	1	Tissue	x								2-GC-comp1 (Bag 2)
9/1/2017	13:48	LDW17-R2-GC084	1	Tissue	x								2-GC-comp1 (Bag 1)
8/30/2017	13:24	LDW17-R2-GC022	1	Tissue	x								2-GC-comp1 (Bag 2)
8/30/2017	8:50	LDW17-R2-GC009	1	Tissue	x								2-GC-comp1 (Bag 1)
Total Number of Containers			7	Purchase Order / Statement of Work # PO 2017-0020									

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

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

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/30/2017	11:47	LDW17-R2-GC018	1	Tissue	x						L28215-22	2-GC-comp2 (Bag 2)
9/1/2017	14:13	LDW17-R2-GC091	1	Tissue	x						-22	2-GC-comp2 (Bag 1)
9/1/2017	14:13	LDW17-R2-GC090	1	Tissue	x						-22	2-GC-comp2 (Bag 1)
9/1/2017	13:35	LDW17-R2-GC080	1	Tissue	x						-22	2-GC-comp2 (Bag 1)
9/1/2017	13:05	LDW17-R2-GC086	1	Tissue	x						-22	2-GC-comp2 (Bag 1)
9/1/2017	13:05	LDW17-R2-GC088	1	Tissue	x						-22	2-GC-comp2 (Bag 1)
8/29/2017	10:15	LDW17-R2-GC001	1	Tissue	x						-22	2-GC-comp2 (Bag 2)
Total Number of Containers			7	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: <u>A. Vandervort</u> Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

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

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
9/1/2017	14:22	LDW17-R2-GC094	1	Tissue	x							2-GC-comp3 (Bag 1)
9/5/2017	14:11	LDW17-R2-GC096	1	Tissue	x							2-GC-comp3 (Bag 1)
8/30/2017	10:03	LDW17-R2-GC011	1	Tissue	x							2-GC-comp3 (Bag 1)
8/30/2017	11:19	LDW17-R2-GC015	1	Tissue	x							2-GC-comp3 (Bag 2)
9/1/2017	13:05	LDW17-R2-GC087	1	Tissue	x							2-GC-comp3 (Bag 1)
9/1/2017	13:05	LDW17-R2-GC089	1	Tissue	x							2-GC-comp3 (Bag 1)
8/30/2017	12:56	LDW17-R2-GC021	1	Tissue	x							2-GC-comp3 (Bag 2)

Total Number of Containers 7 **Purchase Order / Statement of Work #** PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

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



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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
9/5/2017	14:39	LDW17-R2-GC102	1	Tissue	x						L282 S-24	2-GC-comp4 (Bag 1)
8/30/2017	11:47	LDW17-R2-GC020	1	Tissue	x						-24	2-GC-comp4 (Bag 2)
9/1/2017	13:48	LDW17-R2-GC083	1	Tissue	x						-24	2-GC-comp4 (Bag 1)
8/29/2017	12:58	LDW17-R2-GC002	1	Tissue	x						-24	2-GC-comp4 (Bag 2)
9/1/2017	13:58	LDW17-R2-GC085	1	Tissue	x						-24	2-GC-comp4 (Bag 1)
8/30/2017	12:01	LDW17-R2-GC019	1	Tissue	x						-24	2-GC-comp4 (Bag 2)
9/1/2017	14:03	LDW17-R2-GC092	1	Tissue	x						-24	2-GC-comp4 (Bag 1)
9/5/2017	14:11	LDW17-R2-GC097	1	Tissue	x						-25	2-GC-comp5
8/30/2017	11:19	LDW17-R2-GC016	1	Tissue	x						-25	2-GC-comp5
Total Number of Containers			9	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: Print name: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Print name: Signature: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/31/2017	11:21	LDW17-R1A-SS206	1	Tissue	x						1a-SS-comp1 L28215-28
8/31/2017	11:21	LDW17-R1A-SS197	1	Tissue	x						1a-SS-comp1 -28
8/31/2017	10:42	LDW17-R1A-SS192	1	Tissue	x						1a-SS-comp1 -28
8/31/2017	13:47	LDW17-R1A-SS238	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	11:21	LDW17-R1A-SS199	1	Tissue	x						1a-SS-comp1 -28
8/31/2017	13:47	LDW17-R1A-SS222	1	Tissue	x						1a-SS-comp1 -28
8/31/2017	10:42	LDW17-R1A-SS193	1	Tissue	x						1a-SS-comp1 -28
8/31/2017	11:21	LDW17-R1A-SS207	1	Tissue	x						1a-SS-comp1 -28
8/31/2017	13:26	LDW17-R1A-SS213	1	Tissue	x						1a-SS-comp1 -28
8/31/2017	13:47	LDW17-R1A-SS236	1	Tissue	x						1a-SS-comp1 -28
8/31/2017	10:42	LDW17-R1A-SS189	1	Tissue	x						1a-SS-comp1 -28
Total Number of Containers			12	Purchase Order / Statement of Work # PO 2017-0020							

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____



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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/31/2017	11:21	LDW17-R1A-SS198	1	Tissue	x							1a-SS-comp1 L28215-28
8/31/2017	11:21	LDW17-R1A-SS202	1	Tissue	x							1a-SS-comp1 -28
8/31/2017	13:47	LDW17-R1A-SS230	1	Tissue	x							1a-SS-comp1 -28
8/31/2017	11:21	LDW17-R1A-SS195	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	13:47	LDW17-R1A-SS216	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	13:47	LDW17-R1A-SS218	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	12:51	LDW17-R1A-SS209	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	10:42	LDW17-R1A-SS185	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	13:47	LDW17-R1A-SS214	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	13:47	LDW17-R1A-SS232	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	13:47	LDW17-R1A-SS229	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	12:51	LDW17-R1A-SS208	1	Tissue	x							1a-SS-comp2 -29

Total Number of Containers 12 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____



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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/31/2017	13:47	LDW17-R1A-SS240	1	Tissue	x							1a-SS-comp2 L28215-29
8/31/2017	13:47	LDW17-R1A-SS237	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	11:21	LDW17-R1A-SS196	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	11:21	LDW17-R1A-SS203	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	13:47	LDW17-R1A-SS233	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	13:47	LDW17-R1A-SS234	1	Tissue	x							1a-SS-comp2 -29
8/31/2017	13:26	LDW17-R1A-SS210	1	Tissue	x							1a-SS-comp3 -30
8/31/2017	10:42	LDW17-R1A-SS194	1	Tissue	x							1a-SS-comp3 -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	x							1a-SS-comp3 -30
8/31/2017	10:42	LDW17-R1A-SS184	1	Tissue	x							1a-SS-comp3 -30
8/31/2017	13:47	LDW17-R1A-SS235	1	Tissue	x							1a-SS-comp3 -30
Total Number of Containers			12	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: Print name: <u>A Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:



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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/31/2017	13:47	LDW17-R1A-SS225	1	Tissue	x						1a-SS-comp3 L 28215-30
8/31/2017	13:47	LDW17-R1A-SS228	1	Tissue	x						1a-SS-comp3 -30
8/31/2017	13:26	LDW17-R1A-SS212	1	Tissue	x						1a-SS-comp3 -30
8/31/2017	13:47	LDW17-R1A-SS219	1	Tissue	x						1a-SS-comp3 -30
8/31/2017	10:42	LDW17-R1A-SS191	1	Tissue	x						1a-SS-comp3 -30
8/31/2017	13:26	LDW17-R1A-SS211	1	Tissue	x						1a-SS-comp3 -30
8/31/2017	13:47	LDW17-R1A-SS215	1	Tissue	x						1a-SS-comp3 -30
8/31/2017	13:47	LDW17-R1A-SS217	1	Tissue	x						1a-SS-comp3 -30
8/31/2017	10:42	LDW17-R1A-SS182	1	Tissue	x						1a-SS-comp3 -30
8/30/2017	14:00	LDW17-R1B-SS124	1	Tissue	x						1b-SS-comp1 -31
8/31/2017	10:17	LDW17-R1B-SS178	1	Tissue	x						1b-SS-comp1 -31
8/31/2017	8:45	LDW17-R1B-SS138	1	Tissue	x						1b-SS-comp1 -31
Total Number of Containers			12	Purchase Order / Statement of Work # PO 2017-0020							

1) Released by: Print name: <u>A Vandervort + J Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/31/2017	10:17	LDW17-R1B-SS164	1	Tissue	x							1b-SS-comp1 28215-31
8/31/2017	10:17	LDW17-R1B-SS179	1	Tissue	x							1b-SS-comp1 -31
8/30/2017	14:00	LDW17-R1B-SS121	1	Tissue	x							1b-SS-comp1 -31
8/30/2017	14:00	LDW17-R1B-SS125	1	Tissue	x							1b-SS-comp1 -31
8/31/2017	9:49	LDW17-R1B-SS153	1	Tissue	x							1b-SS-comp1 -31
8/31/2017	10:17	LDW17-R1B-SS168	1	Tissue	x							1b-SS-comp1 -31
8/31/2017	8:45	LDW17-R1B-SS150	1	Tissue	x							1b-SS-comp1 -31
8/31/2017	10:17	LDW17-R1B-SS171	1	Tissue	x							1b-SS-comp1 -31
8/31/2017	9:49	LDW17-R1B-SS161	1	Tissue	x							1b-SS-comp1 -31
8/30/2017	14:00	LDW17-R1B-SS132	1	Tissue	x							1b-SS-comp1 -31
8/31/2017	8:45	LDW17-R1B-SS145	1	Tissue	x							1b-SS-comp1 -31
8/31/2017	8:45	LDW17-R1B-SS137	1	Tissue	x							1b-SS-comp1 -31

Total Number of Containers 12 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: <u>[Signature]</u> Company: <u>SGS-AXYS</u> Date/Time: <u>26-Sep-2017</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Cooler temperature: _____	Received by: _____

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/31/2017	10:17	LDW17-R1B-SS177	1	Tissue	x						1b-SS-comp2 <u>L28215-32</u>
8/31/2017	8:45	LDW17-R1B-SS148	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/31/2017	9:49	LDW17-R1B-SS163	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/30/2017	14:00	LDW17-R1B-SS135	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/31/2017	10:17	LDW17-R1B-SS165	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/31/2017	8:45	LDW17-R1B-SS144	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/31/2017	8:45	LDW17-R1B-SS146	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/31/2017	9:49	LDW17-R1B-SS157	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/30/2017	14:00	LDW17-R1B-SS133	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/31/2017	10:17	LDW17-R1B-SS173	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/31/2017	9:49	LDW17-R1B-SS151	1	Tissue	x						1b-SS-comp2 <u>-32</u>
8/31/2017	10:17	LDW17-R1B-SS169	1	Tissue	x						1b-SS-comp2 <u>-32</u>
Total Number of Containers			12	Purchase Order / Statement of Work # PO 2017-0020							

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Date of receipt: _____	Laboratory W.O. #: _____
Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/30/2017	14:00	LDW17-R1B-SS136 /	1	Tissue	x							1b-SS-comp2 L2821S-32
8/31/2017	10:17	LDW17-R1B-SS175 /	1	Tissue	x							1b-SS-comp2 -32
8/30/2017	14:00	LDW17-R1B-SS130 /	1	Tissue	x							1b-SS-comp2 -32
8/31/2017	9:49	LDW17-R1B-SS152 /	1	Tissue	x							1b-SS-comp3 -33
8/30/2017	14:00	LDW17-R1B-SS122 /	1	Tissue	x							1b-SS-comp3 -33
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 -33
8/31/2017	8:45	LDW17-R1B-SS149 /	1	Tissue	x							1b-SS-comp3 -33
8/31/2017	8:45	LDW17-R1B-SS142 /	1	Tissue	x							1b-SS-comp3 -33
8/31/2017	10:17	LDW17-R1B-SS176 /	1	Tissue	x							1b-SS-comp3 -33

Total Number of Containers 12 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Cooler temperature: _____	Received by: _____



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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/31/2017	9:49	LDW17-R1B-SS159 ✓	1	Tissue	x							1b-SS-comp3 <u>L28215-33</u>
8/31/2017	10:17	LDW17-R1B-SS174 ✓	1	Tissue	x							1b-SS-comp3 <u>-33</u>
8/31/2017	8:45	LDW17-R1B-SS147 ✓	1	Tissue	x							1b-SS-comp3 <u>-33</u>
8/30/2017	14:00	LDW17-R1B-SS129 ✓	1	Tissue	x							1b-SS-comp3 <u>-33</u>
8/30/2017	14:00	LDW17-R1B-SS128 ✓	1	Tissue	x							1b-SS-comp3 <u>-33</u>
8/31/2017	8:45	LDW17-R1B-SS139 ✓	1	Tissue	x							1b-SS-comp3 <u>-33</u>
8/29/2017	10:15	LDW17-R2A-SS058 ✓	1	Tissue	x							1b-SS-comp3 <u>-33</u>
8/29/2017	10:15	LDW17-R2A-SS033 ✓	1	Tissue	x							2a-SS-comp1 <u>-36</u>
8/29/2017	10:15	LDW17-R2A-SS036 ✓	1	Tissue	x							2a-SS-comp1 <u>-36</u>
8/29/2017	9:14	LDW17-R2A-SS009 ✓	1	Tissue	x							2a-SS-comp1 <u>-36</u>
8/29/2017	10:15	LDW17-R2A-SS049 ✓	1	Tissue	x							2a-SS-comp1 <u>-36</u>
8/29/2017	10:15	LDW17-R2A-SS059 ✓	1	Tissue	x							2a-SS-comp1 <u>-36</u>

Total Number of Containers

12

Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: Print name: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Print name: Signature: Company: Date/Time:
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Cooler temperature:	Received by:

CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/29/2017	10:15	LDW17-R2A-SS035	1	Tissue	x						2a-SS-comp1 / 28215-36
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	x						2a-SS-comp1 -36
8/29/2017	10:15	LDW17-R2A-SS039	1	Tissue	x						2a-SS-comp1 -36
8/29/2017	9:14	LDW17-R2A-SS028	1	Tissue	x						2a-SS-comp1 -36
8/29/2017	9:14	LDW17-R2A-SS010	1	Tissue	x						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	x						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	x						2a-SS-comp2 -37

Total Number of Containers 12 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Print name: Signature: Company: Date/Time:
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To be completed by Laboratory upon sample receipt:

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



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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/29/2017	10:15	LDW17-R2A-SS031 /	1	Tissue	x						2a-SS-comp2 L28245-37
8/29/2017	9:14	LDW17-R2A-SS017 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	9:14	LDW17-R2A-SS003 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	10:15	LDW17-R2A-SS047 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	10:15	LDW17-R2A-SS044 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	9:14	LDW17-R2A-SS004 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	10:15	LDW17-R2A-SS045 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	10:15	LDW17-R2A-SS040 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	10:15	LDW17-R2A-SS050 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	10:15	LDW17-R2A-SS055 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	9:14	LDW17-R2A-SS016 /	1	Tissue	x						2a-SS-comp2 -37
8/29/2017	9:14	LDW17-R2A-SS006 /	1	Tissue	x						2a-SS-comp2 -37
Total Number of Containers			12	Purchase Order / Statement of Work # PO 2017-0020							
1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>			1) Rec'd by: <u>[Signature]</u> Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>			2) Released by: Print name: Signature: Company: Date/Time:			2) Rec'd by: Company: Date/Time:		

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/29/2017	10:15	LDW17-R2A-SS046 /	1	Tissue	x						2a-SS-comp3 L28215-38
8/29/2017	9:14	LDW17-R2A-SS012 /	1	Tissue	x						2a-SS-comp3 -38
8/29/2017	9:14	LDW17-R2A-SS007 /	1	Tissue	x						2a-SS-comp3 -38
8/29/2017	10:15	LDW17-R2A-SS056 /	1	Tissue	x						2a-SS-comp3 -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-comp3 -38
8/29/2017	9:14	LDW17-R2A-SS005 /	1	Tissue	x						2a-SS-comp3 -38
8/29/2017	9:14	LDW17-R2A-SS008 /	1	Tissue	x						2a-SS-comp3 -38
8/29/2017	10:15	LDW17-R2A-SS054 /	1	Tissue	x						2a-SS-comp3 -38
8/29/2017	9:14	LDW17-R2A-SS030 /	1	Tissue	x						2a-SS-comp3 -38
8/29/2017	10:15	LDW17-R2A-SS043 /	1	Tissue	x						2a-SS-comp3 -38
8/29/2017	9:14	LDW17-R2A-SS002 /	1	Tissue	x						2a-SS-comp3 -38

Total Number of Containers 12 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26 Sep 2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
8/29/2017	9:14	LDW17-R2A-SS013 /	1	Tissue	x							2a-SS-comp3 L28215-38
8/29/2017	9:14	LDW17-R2A-SS019 /	1	Tissue	x							2a-SS-comp3 -38
8/29/2017	10:15	LDW17-R2A-SS041 /	1	Tissue	x							2a-SS-comp3 -38
8/29/2017	11:00	LDW17-R2B-SS072 /	1	Tissue	x							2b-SS-comp1 -34
8/29/2017	11:00	LDW17-R2B-SS089 /	1	Tissue	x							2b-SS-comp1 -34
8/29/2017	11:00	LDW17-R2B-SS067 /	1	Tissue	x							2b-SS-comp1 -34
8/29/2017	11:27	LDW17-R2B-SS103 /	1	Tissue	x							2b-SS-comp1 -34
8/29/2017	11:27	LDW17-R2B-SS101 /	1	Tissue	x							2b-SS-comp1 -34
8/29/2017	11:00	LDW17-R2B-SS088 /	1	Tissue	x							2b-SS-comp1 -34
8/29/2017	11:00	LDW17-R2B-SS075 /	1	Tissue	x							2b-SS-comp1 -34
8/29/2017	11:00	LDW17-R2B-SS065 /	1	Tissue	x							2b-SS-comp1 -34
8/29/2017	11:00	LDW17-R2B-SS084 /	1	Tissue	x							2b-SS-comp1 -34
Total Number of Containers			12	Purchase Order / Statement of Work # PO 2017-0020								

1) Released by: Print name: <u>A Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS Axys</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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Condition upon receipt: _____	Time of receipt: _____
Cooler temperature: _____	Received by: _____

CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions (Composite/Bag ID)
					Dissection and Homogenization						
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	x						2b-SS-comp1 -34
8/29/2017	11:27	LDW17-R2B-SS110	1	Tissue	x						2b-SS-comp1 -34
8/29/2017	11:27	LDW17-R2B-SS108	1	Tissue	x						2b-SS-comp1 -34
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 -34
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	x						2b-SS-comp2 -35
8/29/2017	11:27	LDW17-R2B-SS097	1	Tissue	x						2b-SS-comp2 -35
8/29/2017	11:27	LDW17-R2B-SS102	1	Tissue	x						2b-SS-comp2 -35
8/29/2017	11:00	LDW17-R2B-SS074	1	Tissue	x						2b-SS-comp2 -35
Total Number of Containers			12	Purchase Order / Statement of Work # PO 2017-0020							

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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* Distribution: White copies accompany shipment; yellow retained by consignee.



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Condition upon receipt:	Time of receipt:
Cooler temperature:	Received by:

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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						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	x							2b-SS-comp2 -35
8/29/2017	11:00	LDW17-R2B-SS070	1	Tissue	x							2b-SS-comp2 -35
8/29/2017	11:27	LDW17-R2B-SS099	1	Tissue	x							2b-SS-comp2 -35
8/29/2017	11:00	LDW17-R2B-SS081	1	Tissue	x							2b-SS-comp2 -35
8/29/2017	11:00	LDW17-R2B-SS069	1	Tissue	x							2b-SS-comp2 -35
8/29/2017	11:00	LDW17-R2B-SS079	1	Tissue	x							2b-SS-comp2 -35
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	x							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 Containers 12 Purchase Order / Statement of Work # PO 2017-0020

1) Released by: <i>A. Vandervort</i> Print name: <i>A. Vandervort</i> Signature: <i>[Signature]</i> Company: <i>Windward</i> Date/Time: <i>9/26/17</i>	1) Rec'd by: <i>[Signature]</i> Company: <i>SGS AXYS</i> Date/Time: <i>26-Sep-2017 11:05</i>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]
					Dissection and Homogenization						
8/29/2017	11:27	LDW17-R2B-SS118	1	Tissue	x						2b-SS-comp3 628215-39
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	LDW17-R2B-SS093	1	Tissue	x						2b-SS-comp3 -39
8/29/2017	11:00	LDW17-R2B-SS076	1	Tissue	x						2b-SS-comp3 -39
8/29/2017	11:00	LDW17-R2B-SS062	1	Tissue	x						2b-SS-comp3 -39
8/29/2017	11:00	LDW17-R2B-SS071	1	Tissue	x						2b-SS-comp3 -39
8/29/2017	11:27	LDW17-R2B-SS096	1	Tissue	x						2b-SS-comp3 -39
8/29/2017	11:27	LDW17-R2B-SS109	1	Tissue	x						2b-SS-comp3 -39
8/29/2017	11:27	LDW17-R2B-SS104	1	Tissue	x						2b-SS-comp3 -39
8/29/2017	11:00	LDW17-R2B-SS064	1	Tissue	x						2b-SS-comp3 -39
Total Number of Containers			12	Purchase Order / Statement of Work # PO 2017-0020							

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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CHAIN-OF-CUSTODY/TEST REQUEST FORM

4033

Project/Client Name: AOC3 Fish/Crab Tissue
 Project Number: Task 4
 Contact Name: Amara Vandervort
 Sampled By: TD, KM, NM, JR, and MY

Ship to: Axys No. AOC3 2017-0020
 Attn: Georgina Brooks Shipping Date: 9/25/17
 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]	
8/29/2017	10:15	LDW17-R2-ES010 /	1	Tissue	x								
8/29/2017	10:15	LDW17-R2-ES013 /	1	Tissue	x								Additional R2 ES
8/29/2017	10:15	LDW17-R2-ES015 /	1	Tissue	x								Additional R2 ES
8/29/2017	11:00	LDW17-R2-ES017 /	1	Tissue	x								Additional R2 ES
8/29/2017	12:58	LDW17-R2-ES020 /	1	Tissue	x								Additional R2 ES
8/29/2017	13:18	LDW17-R2-ES024 /	1	Tissue	x								Additional R2 ES
8/30/2017	8:50	LDW17-R2-ES040 /	1	Tissue	x								Additional R2 ES
8/30/2017	9:25	LDW17-R2-ES046 /	1	Tissue	x								Additional R2 ES
8/30/2017	13:24	LDW17-R2-ES070 /	1	Tissue	x								Additional R2 ES
9/1/2017	13:31	LDW17-R2-ES149 /	1	Tissue	x								Additional R2 ES
Total Number of Containers			10	Purchase Order / Statement of Work # PO 2017-0020									

1) Released by: Print name: <u>A. Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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 Shipper: Courier Airbill Number: N/A
 Form filled out by: A. Vandervort Turnaround requested: Standard

Sample Collection Date (m/d/y)	Time	Sample Identification	Volume of Sample / # of Containers	Matrix	Dissection and Homogenization	Test(s) Requested (check test(s) required)						Comments / Instructions [Composite/Bag ID]		
8/30/2017	11:19	LDW17-R2-GC013	1	Tissue	x									
8/30/2017	10:03	LDW17-R2-GC010	1	Tissue	x									Additional R2 GC Bag 3
9/1/2017	13:40	LDW17-R2-GC081	1	Tissue	x									Additional R2 GC Bag 3
9/5/2017	14:33	LDW17-R2-GC100	1	Tissue	x									Additional R2 GC Bag 1
8/30/2017	14:32	LDW17-R2-GC025	1	Tissue	x									Additional R2 GC Bag 1
9/5/2017	12:04	LDW17-R2-GC095	1	Tissue	x									Additional R2 GC Bag 3
9/1/2017	13:40	LDW17-R2-GC082	1	Tissue	x									Additional R2 GC Bag 1
9/1/2017	14:19	LDW17-R2-GC093	1	Tissue	x									Additional R2 GC Bag 1
9/5/2017	14:26	LDW17-R2-GC099	1	Tissue	x									Additional R2 GC Bag 1
9/5/2017	14:26	LDW17-R2-GC098	1	Tissue	x									Additional R2 GC Bag 2
9/5/2017	14:26	LDW17-R2-GC098	1	Tissue	x									Additional R2 GC Bag 2
8/30/2017	11:47	LDW17-R2-GC017	1	Tissue	x									Additional R2 GC Bag 3
8/29/2017	13:18	LDW17-R2-GC003	1	Tissue	x									Additional R2 GC Bag 3
Total Number of Containers			12	Purchase Order / Statement of Work # PO 2017-0020										

1) Released by: Print name: <u>A Vandervort</u> Signature: <u>[Signature]</u> Company: <u>Windward</u> Date/Time: <u>9/26/17</u>	1) Rec'd by: [Signature] Company: <u>SGS AXYS</u> Date/Time: <u>26-Sep-2017 11:05</u>	2) Released by: Print name: Signature: Company: Date/Time:	2) Rec'd by: Company: Date/Time:
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