Appendix. 1. Map of Sampling Sites. (a hard copy of Brett's map should be inserted here.)

APPENDIX 2: Sampling Location Descriptions

Trawl 1 (T1) – was in the mainstem of the Hackensack River. The lower end of the trawl began at approximately river mile (RM) 3.7, approximately 300 yards upstream of the mouth of Penhorn Creek. The trawl began in the shallows near the mouth of a small, unnamed tidal creek, and continued out into deeper water adjacent to the Malanka Landfill. The substrate at this location was hard-packed sand and hard mud. This site is located in Secaucus, Hudson County.

Trawl 2 (T2) – was located on the western side of the Hackensack River, upstream of the mouth of Sawmill Creek, at approximately RM 5.4. The substrate at T2 was hard clay and hard-packed sand. This site was located in Lyndhurst, Bergen County.

Trawl 3 (T3) – was located on the eastern side of the River, between the NJ Transit Bergen County Line railroad bridge and red nun buoy #18, at RM 7.0, in Secaucus, Hudson County. The lower end of this trawl generally began (or ended, depending on the tide) just offshore from one of the protrusions of fill that supports a number of Harmon Cove town homes that front the River just upstream (or north of) the railroad. The substrate at T3 ranged from soft black mud to hard clay.

Trawl 4 (T4) – was located on the eastern side of the River, between the mouths of Mill and Cromakill Creeks, at RM 9.2 in Secaucus, Hudson County. The substrate at T4 consisted of mud, clay and occasionally rubble.

Trawl 5 (T5) – was located in the main stem of the River at approximately RM 11.4, adjacent to the Bergen County Utility Authority (BCUA) Little Ferry sewage treatment plant. The shallow end of this trawl began in Ridgefield, progressing towards the deep end in the middle of the River, which forms the boundary between Ridgefield and Little Ferry, Bergen County. The substrate at T5 was soft black mud.

Trawl 6 (T6) – was located in the center of Sawmill Creek, which forms the boundary between Kearny, Hudson County and Lyndhurst, Bergen County. The lower end of the site was approximately 0.3 nautical miles upstream from the mouth of Sawmill Creek. The bottom of Sawmill Creek consists of hard gray clay. There are no deposits of fine sediments in the trawl area due to the large amount of tidal flushing that occurs twice each day between the Sawmill Creek and its associated marshes and the Hackensack River.

Trawl 7 (T7) – was located in Berry's Creek Canal, an man-made canal that was dug by the Erie Railroad circa 1910 in order to maintain navigability between the Hackensack River and upper Berry's Creek without having to build a drawbridge over Berry's Creek. The lower end of the T7 was approximately 0.3 nautical miles above the mouth of the Canal. The substrate in the area of T7 was soft black mud that contained a large amount of *Phragmites* stalks, leaves and other organic debris (tree limbs, etc.). T7 was located in East Rutherford, Bergen County.

Trawl 8 (T8) – was located in Mill Creek, approximately 0.6 nautical miles from its mouth. The substrate at T8 was a mixture of hard clay, soft brown mud, platform mussel (Congeria leucopheata) shells, and Phragmites stalks and leaves. In the area of T8, the eastern side of Mill Creek was "restored" by the NJMC in 1999, and consisted of mudflats/open water (depending on the level of the tide). The mudflats were vegetated with dwarf spikerush (Eleochris parvula) and

salt marsh fleabane (*Pluchea purpurecsens*). The western side of Mill Creek was not restored and consisted of a thick monoculture of *Phragmites*. During the 1987-1988 study, both sides of Mill Creek were dominated by *Phragmites*. T8 was located in Secaucus, Hudson County.

Trawl 9 (T9) – was located in Cromakill Creek, approximately 0.4 nautical miles from its confluence with the Hackensack River (on the eastern side of the NJ Turnpike's eastern spur), in North Bergen, Hudson County. The substrate at T9 was soft black mud, which often contained *Phragmites* leaves and stems. On either side of the Cromakill Creek channel at T9 were mudflats/open water (depending on the tidal stage) with sparse clumps of *Spartina alterniflora* and large areas of *Eleocharis parvula*. During the 1987-1988 study, T9 was located further upstream, approximately 0.8 nautical miles from the mouth, on the straight reach just upstream of the two large meanders in the creek. During 1987-1988, both banks of the entire Cromakill Creek drainage were dominated by dense monocultures of *Phragmites*. The location of T9 was moved after the first collection of the 2001-2003 study (August 2001) due to the shallow depths found in the former area of T9 and the fact that Cromakill Creek was not accessible during high water due to the low clearance of the NJ Turnpike's Eastern Spur bridge crossing of the creek. Due to this logistical problem, the "new" location of T9 was generally sampled on a falling tide, approximately two to three hours after high water.

Trap Net 1 (TN1) – was located on a mudflat adjacent to the northern bank of the Hackensack River, at RM 3.7, approximately 250 yards upstream from the mouth of Penhorn Creek, in Secaucus, Hudson County. The leader of TN1 was generally set within approximately 20 to 30 feet of the River bank, which was dominated by *Phragmites*. Just downstream of TN1 was the mouth of a small tidal creek that fed a small area of mixed *SpartinalPhragmites* marsh. The substrate in the area of TN1 consisted of soft black mud approximately one to three feet deep, underlain by hard clay. During 1987-88, TN1 was set closer to the mouth of Penhorn Creek (at RM 3.6).

Trap Net 2 (TN2) – was located in a shallow tidal embayment/mudflat on the northern side of Sawmill Creek, approximately 1.1 nautical miles above the mouth of Sawmill Creek, just downstream from the NJ Turnpike's Western Spur crossing of Sawmill Creek, in Lyndhurst, Bergen County. The substrate at TN2 was soft mud, underlain by hard clay. Scattered clumps of salt marsh cordgrass (Spartina alterniflora), behind which a stand of common reed (Phragmites australis), which extended to the NJ Turnpike dominated the shoreline.

Trap Net 3 (TN3) – was located on the western side of the Hackensack River, north of the NJ Transit Bergen Line railroad crossing in East Rutherford, Bergen County at approximate RM 7.1. TN3 was set just downstream of a drainage ditch that conveys tidal water underneath the adjacent NJ Turnpike's Western Spur (which eventually connects with Fish Creek, a tributary of Berry's Creek). The substrate at TN3 consisted of a one to three foot thick layer of soft mud, underlain by hard clay. The shoreline was dominated by a thick stand of common reed.

Trap Net 4 (TN4) – was located on the eastern shore of the Hackensack River, on the mudflat just upstream from (i.e., north of) the mouth of Mill Creek, at RM 9.2 in Secaucus, Hudson County. The substrate at TN4 was soft mud. The river bank at TN4 was dominated by a dense stand of *Phragmites*.

Trap Net 5 (TN5) – was located on the western shore of the River, on the mudflat just downstream from the mouth of the Losen Slote, at approximately RM10.9, in South Hackensack, Bergen County. The substrate at TN5 was soft black mud, and the river bank was dominated by a dense stand of *Phragmites*.

Trap Net 6 (TN6) – was located on the western shore of the River, just upstream (north) of the U.S. Route 46 bridge crossing in Little Ferry, Bergen County. TN6 was approximately 12.5 RM from the mouth of the Hackensack River. The substrate at TN6 was soft black mud. The river bank at TN6 consisted of a thin band of *Phragmites* with a few small trees.

Gill Net 1 (GN1) – was located on the western side of the River, just downstream from the NJ Transit Morristown Line railroad crossing (a.k.a. the Morris & Essex Line) of the lower Hackensack River, at RM 3.0, in Kearny, Hudson County. GN1 was generally set close to the western shore, in an eddy that forms below the rail bridge, due to the high velocity of the tidal currents that occur further offshore. Also due to the large volume of water that passed this point in the River, GN1 was only fished during neap tides. The substrate at GN1 consists of rubble, sand, soft mud and hard clay. The shoreline is mainly riprap, although there is a small area of mudflat that contains sparse clumps of *Spartina alterniflora* to the south of the inshore (or downstream) end of where the gill net was set.

Gill Net 2 (GN2) – was located on the western side of the River, just downstream from the NJ Transit Bergen Line railroad crossing, at RM 6.8 in Rutherford, Bergen County. The location of GN2 was adjacent to the Hackensack River frontage of the old Rutherford landfill. The inshore (shallow) end of the net was set approximately 60 feet upstream (north) from the mouth of Berry's Creek, and the net extended diagonally to the shoreline upstream (northward) out into deeper water, with care taken not to set the offshore end of the net too close to the navigation channel. GN2 was normally fished during neap tides. The shoreline was dominated by riprap that was placed along the face of the landfill in 1990?? The substrate at GN2 consisted of rubble, soft mud, clay and in some areas, refuse that had at one time been likely been contained within the landfill.

Gill Net 3 (GN3) — was located in Overpeck Creek, which forms the boundary between Ridgefield and Ridgefield Park, Bergen County. The inshore (shallow) end of the net was set approximately 60 to 80 feet upstream from the eastern or inner span (formerly Penn Central, now Conrail) of the two adjacent non-functional railroad drawbridges that cross the mouth of Overpeck Creek. The net was extended diagonally across the channel of Overpeck Creek. Due to the presence of the two non-functioning drawbridges across the mouth of Overpeck Creek (New York, Susquehanna and Western drawbridge on the west and Penn Central/Conrail drawbridge on the east), we could only gain access to Overpeck Creek during low water (from approximately two hours before to two hours after the time of low water). Therefore, all GN3 sets and retrievals were done around the predicted time of low water, generally during neap tides.

Seine 1 (S1) – was located on the eastern shore of the River, in front of the Public Service Electric & Gas Company (PSE&G) Hudson Generating Station at RM 3.5, in Jersey City, Hudson County. Riprap and the Generating Station dominated the shoreline. The substrate consisted of smaller pieces of riprap and other debris in a muddy sand matrix. The location where the seine hauls were made was approximately 250 feet upstream from the location of the

Hudson Station's cooling water intake structure. This site was generally sampled close to the predicted time of low water.

Seine 2 (S2) – was located on the western shore of the River, approximately 600 feet downstream from the mouth of Berry's Creek Canal, at RM 7.4 in East Rutherford, Bergen County. The shoreline is dominated by *Phragmites*, with a small patch of sandy beach between the Phragmites and the River. The substrate at S2 grades from sand fill from the NJ Turnpike (high up on the shore), to sandy mud, to very soft mud in the subtidal portion of this location.

Seine 3 (S3) – was located on the western shore of the River, on the downstream (southern) side of the NJ Turnpike Western Spur crossing, in Carlstadt, Bergen County, at approximately RM 10.5. (It is important to note that the location of S3 during the 2001-2003 study is the same as location S4 from the 1987-1988 fisheries study). The shoreline at S3 was dominated largely by bare sand and rock filled gabions (fill from the construction of the NJ Turnpike, which supports the overhead roadway crossing), with a stand of *Phragmites* at the downstream end of the site. As with S2, the substrate at site S3 grades from sand at the upper reaches of the intertidal zone, to sandy mud, to very soft thick black mud in the lower intertidal to subtidal zone. A wide mudflat that is exposed at this location during the time of mid to low water makes this site inaccessible during that portion of the tidal cycle. Therefore, S3 was normally sampled at or close to the predicted time of high water. Directly to the south and west of S3 was a channel that led directly to the mouth of Mudabock Creek, which is cut off from the River by an old earthen dike and tide gate.

Appendix 3a SUMMARY TABLE FOR ALL FISH DATA, EXCEPT ORGANICS

	Appendix 3a			SUMMARY T	ABLE FO	R ALL FISH	DATA, EX	CEP	T O	RGANICS		
MPLE#	SPECIES	CATCH LOCATION	Site N-S	CATCH DATE	COLLEC TION NUMBER	TOTAL LENGTH (mm)	TOTAL WEIGHT (g)	SEX	Day	%MOIST URE	%LIPID	As (µg/g)
75407	White Perch	GN1	1	17-Apr-2002	264	230	170	М	76	73.9	5.49	0.32
75408	White Perch	GN1	1	17-Apr-2002	264	231	190	F	76	75.2	3.96	0.19
75409	White Perch	GN1	1	17-Apr-2002	264	220	174	M	76	77.1	4.93	0.14
75404	White Perch	GN2	5	17-Apr-2002	263	245	240	M	76	76.8	4.42	0.2
75405	White Perch	GN2	5	17-Apr-2002	263	240	218	F	76	73.7	5.02	0.22
75406	White Perch	GN2	5	17-Apr-2002	263	250	235	F	76	78.2	3.76	0.43
75175	White Perch	S2	7	25-Sep-2001	59	230	175	М	268	77.7	4.19	1.13
75176	White Perch	S2	7	25-Sep-2001	59	194	97	F	268	79.9	1.98	0.47
75177	White Perch	S2	7	25-Sep-2001	59	206	128	F	268	77.6	2.89	0.91
75178	White Perch	S2	7	25-Sep-2001	59	230	191	F	268	77.8	2.51	0.85
75394	White Perch	T4 R1	10	10-Apr-2002	247	260	335	М	100	74.4	4.14	0.37
75395	White Perch	T4 R1	10	10-Apr-2002	247	235	210	М	100	77.7	4	0.23
75396	White Perch	T4 R1	10	10-Apr-2002	247	218	160	M	100	76.9	3.49	0.05
75397	White Perch	T4 R1	10	10-Apr-2002	247	252	237	F	100	78.4	5.28	0.21
75398	White Perch	T4 R2	10	10-Apr-2002	248	321	206	F	100	77.7	4.43	0.12
75399	White Perch	T4 R2	10	10-Apr-2002	248	199	139	F	100	75.7	3.21	0.13
75385	White Perch	T5	13	10-Apr-2002	245	234	206	М	100	78.1	5.15	0.07
75386	White Perch	T5	13	10-Apr-2002		236	240	М	100	72	7.81	0.01
75387	White Perch	T5	13	10-Apr-2002	245	216	168	F	100	77.3	8	0.12
75388	White Perch	T5	13	10-Apr-2002	245	272	350	М	100	75.7	5.26	0.12
75389	White Perch	T5	13	10-Apr-2002	245	220	188	М	100	73.5	8.33	0.29
75390	White Perch	T5	13	10-Apr-2002	245	215	160	М	100	77.2	4.93	0.11
75391	White Perch	T5	13	10-Apr-2002	245	191	104	М	100	78.4	3.62	0.06
75392	White Perch	T5	13	10-Apr-2002	245	215	170	М	100	79.5	2.19	0.21
75393	White Perch	T5	13	10-Apr-2002	245	189	112	F	100	. 77	4.83	0.05
75400	White Perch	T7 R1	8	10-Apr-2002	249	266	380	F	100	74.7	3.78	0.41
75401	White Perch	T7 R1	8	10-Apr-2002	249	253	290	F	100	75.5	8.29	0.15
75402	White Perch	T7 R2	8	10-Apr-2002	250	170	168	F	100	78.5	3.34	0.2
75304	White Perch	TN1	3	27-Nov-2001	117	189	94	М	331	76.8	2.83	0.69
75305	White Perch	TN1	3	27-Nov-2001	117	245	210	F	331	76.5	2.81	0.67
75306	White Perch	TN1	3	27-Nov-2001	117	184	80	М	331	77.8	2.17	0.57
75307	White Perch	TN1	3	27-Nov-2001	117	225	158	F	331	77.3	3.33	0.43
75308	White Perch	TN1	3	27-Nov-2001	117	265	305	F	331	77	2.36	0.35
75309	White Perch	TN1	3	27-Nov-2001	117	255	312	F	331	77.8	2.25	0.21
75310	White Perch	TN1	3	27-Nov-2001	117	159	52	F	331	77	2.41	0.1
75311	White Perch	TN1	3	27-Nov-2001	117	143	41	М	331	77.2	2.29	0.18
76981	White Perch	TN1	3	18-Oct-2002	+	205	116		291	76.1	2.62	0.51
76982	White Perch	TN1	3	18-Oct-2002		225	159		291	77.7	2.59	1.01
76983	White Perch	TN1	3	18-Oct-2002		200	115		291	77.9	2.21	0.44
76984	White Perch	TN1	3	18-Oct-2002	22/20/20/20	195	91		291	76.7	2.13	0.41
76985	White Perch	TN1	3	18-Oct-2002		205	126		291	78.6	2.08	0.46
76986	White Perch	TN1	3	18-Oct-2002		195	95		291	-	1.87	0.55
76987	White Perch	TN1	3	18-Oct-2002		195	95		291	78.4	2.45	0.73
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76988	White Perch	TN1	3	18-Oct-2002	362	170	56	1	291	77.9	2	0.38
76989	White Perch	TN1	3	18-Oct-2002	362	180	88		291	75.6	2.01	0.39
76990	White Perch	TN1	3	18-Oct-2002	362	210	129	-	291	78.3	1.98	0.39
76990	White Perch	TN1	3	18-Oct-2002	362	210	112		291	78.5	4.13	0.37
75312	White Perch	TN2	-	27-Nov-2001	118	247	231	М	331	76.2	3.85	0.28
	White Perch	TN2	4	27-Nov-2001	118	251	216	F	331	75.3	2.35	0.01
75313	White Perch	TN2	+	27-Nov-2001	118	256	245	M	331	75.3	3.08	
75314	White Perch	TN2	+	27-Nov-2001	118	244	202	F	331	76.7	2.59	0.09
75315	White Perch	TN2	_	27-Nov-2001	118	236	212	M	331	77.2	4.57	0.09
75316	White Perch	TN2	4	27-Nov-2001	118	265	263	M	331	76.7	2.03	0.03
75317	White Perch	TN2	4	27-Nov-2001 27-Nov-2001	118	170	58	M	331	77.3	2.69	0.01
75318	White Perch	TN2	4	27-Nov-2001 27-Nov-2001	118	209	149	M	331	75	4.09	0.19
75319	White Perch	TN2	4	27-Nov-2001 27-Nov-2001	118	186	94	F	331	77	3.24	0.09
75320		10.000	4		118	243	218	M	331	76.4	3.04	0.19
75321	White Perch	TN2 TN2		27-Nov-2001	276	230	180	M	128	78.9	2.61	0.00
75432	White Perch	100-700-00-00-00-00-00-00-00-00-00-00-00-	4	8-May-2002				F	_			
75433	White Perch	TN2	4	8-May-2002	276	260	268	-	128	79.4	2.2	0.03
75434	White Perch	TN2	4	8-May-2002	276	249	222	M	128	77.9	3.78	0.19
75435	White Perch	TN2	4	8-May-2002	276	237	212	F	128	80	2.34	0.15
75436	White Perch	TN2	4	8-May-2002	276	250	238	F	128	79.2	3.32	0.14
75437	White Perch	TN2	4	8-May-2002	276	212	168	M	128	78.2	2.66	0.21
75438	White Perch	TN2	4	8-May-2002	276	232	192	M	128	78.8	2.68	0.09
75439	White Perch	TN2	4	8-May-2002	276	230	168	M	128	78	2.15	0.08
75440	White Perch	TN2	4	8-May-2002	276	229	176	M	128	78.3	2.36	0.61
75441	White Perch	TN2	4	8-May-2002	276	225	152	M	128	80	2.01	0.3
76992	White Perch	TN2	4	18-Oct-2002	363	240	278	-	291	75.5	3.7	0.37
76993	White Perch	TN2	4	18-Oct-2002	363	210	144	16	291	76	2.6	0.21
76994	White Perch	TN2	4	18-Oct-2002	363	190	96	-	291	77.6	3.09	0.19
76995	White Perch	TN2	4	18-Oct-2002	363	220	163	-	291	74.3	5.5	0.09
76996	White Perch	TN2	4	18-Oct-2002	363	220	151	-	291	76	3.67	0.15.
76997	White Perch	TN2	4	18-Oct-2002	363	195	114		291	79.6	2.15	0.25
76998	White Perch	TN2	4	18-Oct-2002	363	220	170	-	291	75.7	4.46	0.29
76999	White Perch	TN2	4	18-Oct-2002	363	220	167	-	291	78.1	2.41	0.06
75322	White Perch	TN3	6	27-Nov-2001	119	176	64	F	331	77	3.24	0.08
75323	White Perch	TN3		27-Nov-2001	119	211	149	F	331	76.4	4.23	0.03
75425	White Perch	TN3	6	19-Apr-2002	275	263	310	M	109	71.9	5.16	0.14
75426	White Perch	TN3	6	8-May-2002	275	235	198	F	128	77.5	3.49	0.02
75427	White Perch	TN3	6	8-May-2002	275	242	204	F	128	79.1	2.97	0.04
75428	White Perch	TN3	6	8-May-2002	275	237	212	M	128	75.3	3.53	0.02
75429	White Perch	TN3	6	8-May-2002	275	238	200	M	128	76.9	2.51	0.16
75430	White Perch	TN3	6	8-May-2002	275	233	194	M	128	77.8	3.09	0.36
75431	White Perch	TN3	6	8-May-2002	275	236	160	M	128	75.3	4.41	0.19
76258	White Perch	TN3	6	4-Jun-2002	302	230	184	M	155	76.9	5.95	0.01
76259	White Perch	TN3	6	4-Jun-2002	302	230	148	M	155	77.8	4.41	0.02
76260	White Perch	TN3	6	4-Jun-2002	302	232	162	F	155	78.9	3.11	0.02
76261	White Perch	TN3	6	4-Jun-2002	302	255	252	M	155	77.1	4.76	0.05
76262	White Perch	TN3	6	4-Jun-2002	302	266	256	F	155	80.9	2.14	0.02
76263	White Perch	TN3	6	4-Jun-2002	302	225	192	M	155	77.2	4.88	0.09
76264	White Perch	TN3	6	4-Jun-2002	302	235	190	M	155	68.6	7.86	0.13
76265	White Perch	TN3	6	4-Jun-2002	302	214	158	M	155	76.2	3.88	0.12

76266	White Perch	TN3	6	4-Jun-2002	302	252	262	F	155	78.7	3.52	0.17
76267	White Perch	TN3	6	4-Jun-2002	302	221	156	F	155	77.1	4.61	0.09
76268	White Perch	TN3	6	4-Jun-2002	302	255	246	М	155	77.7	4.58	0.09
76269	White Perch	TN3	6	4-Jun-2002	302	267	300	F	155	78.8	2.33	0.03
76270	White Perch	TN3	6	4-Jun-2002	302	220	152	М	155	78.7	4.44	0.1
76271	White Perch	TN3	6	4-Jun-2002	302	245	218	М	155	77.8	4.27	0.04
76272	White Perch	TN3	6	4-Jun-2002	302	231	180	М	155	78.9	5.41	0.79
76273	White Perch	TN3	6	4-Jun-2002	302	124	166	F	155	79.9	3.27	0.08
76274	White Perch	TN3	6	4-Jun-2002	302	210	120	М	155	77.5	5.28	0.1
76275	White Perch	TN3	6	4-Jun-2002	302	278	345	М	155	75.7	10.49	0.28
76276	White Perch	TN3	6	4-Jun-2002	302	242	188	М	155	76.3	5.84	0.38
76277	White Perch	TN3	6	4-Jun-2002	302	219	154	M	155	70.8	4.42	0.17
75235	White Perch	TN4	9	25-Oct-2001	87	164	82	F	298	78.4	1.88	1.6
75236	White Perch	TN4	9	25-Oct-2001	87	241	245	F	298	74.3	2.31	0.5
75237	White Perch	TN4	9	25-Oct-2001	87	195	105	F	298	76	2.09	0.22
75238	White Perch	TN4	9	25-Oct-2001	87	168	60	М	298	77.2	2.57	0.19
75239	White Perch	TN4	9	25-Oct-2001	87	155	50	F	298	77.4	2.32	0.04
75240	White Perch	TN4	9	25-Oct-2001	87	170	85	F	298	76.7	2.29	0.03
75324	White Perch	TN4	9	11-Dec-2001	142	211	149	F	345	76.2	3.49	0.06
75325	White Perch	TN4	9	11-Dec-2001	142	195	103	М	345	75.3	3.6	0.04
75330	White Perch	TN4	9	11-Dec-2001	142	184	94	М	345	75	2.93	0.08
75331	White Perch	TN4	9	11-Dec-2001	142	196	112	M	345	76.7	2.52	0.04
75332	White Perch	TN4	9	11-Dec-2001	142	193	109	F	345	77.2	3.97	0.03
75333	White Perch	TN4	9	11-Dec-2001	142	169	64	М	345	76.7	3.42	0.04
75334	White Perch	TN4	9	11-Dec-2001	142	175	76	F	345	77.3	2.91	0.01
75366	White Perch	TN4	9	6-Mar-2002	212	154	42	M	65	78.2	2.52	0.03
75367	White Perch	TN4	9	6-Mar-2002	212	210	130	M	65	77.1	3.81	0.02
75368	White Perch	TN4	9	6-Mar-2002	212	156	40	F	65	77.5	2.27	0.05
75241	White Perch/CSt	TN5	12	25-Oct-2001	88	170	65	M	298	75.9	2.38	0.04
75242	White Perch/StSt	TN5	12	25-Oct-2001	88	190	95	F	298	76.3	2.8	0.02
75243	White Perch (etc)	TN5	12	25-Oct-2001	88	193	95	F	298	77	2.38	0.07
75244	White Perch	TN5	12	25-Oct-2001	88	178	80	M	298	74.3	1.88	0.07
75335	White Perch	TN5	12	11-Dec-2001	143	196	124	F	345	75	3.34	0.01
75336	White Perch	TN5	12	11-Dec-2001	143	188	107	M	345	77	2.6	0.04
75337	White Perch	TN5	12	11-Dec-2001	143	166	68	F	345	76.4	2.88	0.09
75338	White Perch	TN5	12	11-Dec-2001	143	162	54	F	345	77	3.03	0.03
75339	White Perch	TN5	12	11-Dec-2001	143	201	139	M	345	76.4	3.8	0.07
75340	White Perch	TN5	12	11-Dec-2001	143	173	77	F	345	76.4	3.4	0.02
75341	White Perch	TN5	12	11-Dec-2001	143	153	50	F	345	73.2	4.75	0.01
75342	White Perch	TN5	12	11-Dec-2001	143	180	80	F	345	76.7	3.25	0.01
75343	White Perch	TN5	12	11-Dec-2001	143	155	50	F	345	79.6	3.91	0.08
75344	White Perch	TN5	12	11-Dec-2001	143	176	72	M	345	77.3	2.6	0.01
75345	White Perch	TN5	12	11-Dec-2001	143	197	115	F	345	77.2	3.57	0.01
75346	White Perch	TN5	12	11-Dec-2001	143	196	107	M	345	78.5	3.02	
75347	White Perch	TN5	12	11-Dec-2001	143	215	140	F	345	77.2	3.15	
75369	White Perch	TN5	12	6-Mar-2002	213	161	60	M	65	78.1	3.14	
75370	White Perch	TN5	12	6-Mar-2002	213	208	125	F	65	77.6	2.88	0.08
75371	White Perch	TN5	12	6-Mar-2002	213	171	40	F	65	78.5	2.59	0.14
75372	White Perch	TN5	12	6-Mar-2002	213	171	72	F	65	79.2	3.59	0.04

75373	White Perch	TN5	12	6-Mar-2002	213	171	70	М	65	78.3	3.06	0.06
76419	White Perch	TN5	12	19-Jul-2002	358	210	135	М	200	75.6	4.4	
76420	White Perch	TN5	12	19-Jul-2002	358	215	125	F	200	76.3	7.14	0.03
76421	White Perch	TN5	12	19-Jul-2002	358	165	58	F	200	78.2	2.93	0.07
76422	White Perch	TN5	12	19-Jul-2002	358	200	120	F	200	77.8	2.08	0.25
76423	White Perch	TN5	12	19-Jul-2002	358	188	94	F	200	79.4	2.68	0.01
76424	White Perch	TN5	12	19-Jul-2002	358	253	240	F	200	78.5	3.68	0.11
76425	White Perch	TN5	12	8-May-2002	358	210	134	М	128	76.6	8.59	0.12
76426	White Perch	TN5	12	19-Jul-2002	358	229	164	М	200	78.3	5.2	0.04
76427	White Perch	TN5	12	19-Jul-2002	358	171	70	F	200	78.4	3.11	0.04
76428	White Perch	TN5	12	19-Jul-2002	358	245	208	F	200	80.1	2.08	0.27
76429	White Perch	TN5	12	19-Jul-2002	358	205	109	М	200	79.5	2.3	0.05
76430	White Perch	TN5	12	19-Jul-2002	358	201	109	F	200	78.7	3.4	0.09
76431	White Perch	TN5	12	19-Jul-2002	358	221	169	М	200	79.6	2.7	0.01
76432	White Perch	TN5	12	19-Jul-2002	358	219	150	F	200	78.4	3.57	
75245	White Perch	TN6	15	25-Oct-2001	89	250	250	F	298	76.5	2.51	0.12
75246	White Perch	TN6	15	25-Oct-2001	89	225	165	М	298	72.5	4.33	0.06
75247	White Perch	TN6	15	25-Oct-2001	89	350	480	М	298	69.6	6.6	0.08
75248	White Perch	TN6	15	25-Oct-2001	89	237	185	F	298	76.7	4.03	0.05
75249	White Perch	TN6	15	25-Oct-2001	89	195	100	М	298	78.2	2.9	
75250	White Perch	TN6	15	25-Oct-2001	89	181	80	F	298	77.2	4.76	0.06
76413	White Perch	TN6	15	19-Jul-2002	359	265	268	М	200	78.6	3.44	0.29
76414	White Perch	TN6	15	19-Jul-2002	359	175	67	F	200	78.7	3.59	0.07
76415	White Perch	TN6	15	19-Jul-2002	359	181	79	М	200	79.3	2.85	0.12
76416	White Perch	TN6	15	19-Jul-2002	359	226	168	F	200	79.1	2.27	0.17
76417	White Perch	TN6	15	19-Jul-2002	359	191	90	М	200	81.2	4.89	0.06
76418	White Perch	TN6	15	19-Jul-2002	359	191	90	F	200	78.5	2.31	0.06
RANGE S			(8-ES	Total				N.Sr.	O A CO			
		Calcal St		Number	168	168	168			168	168	160
				Min.		124.00	40.00			68.60	1.87	0.01
				Max.		350.00	480.00			81.20	10.49	1.60
				Median		215.00	152.00	12.50		77.20	3.24	0.10
				Mean		213.67	156.43			77.09	3.57	0.19
	CALL DESCRIPTION			STDEV		34.22	76.41			1.91	1.48	0.24
			13.9									
					001150	TOTAL	TOTAL					
FR. JE		CATCH		CATCH	COLLEC	TOTAL	TOTAL WEIGHT	To see		%MOIST		The second
MPLE #	SPECIES	LOCATION		DATE	NUMBER	(mm)	(g)	SEX		URE	%LIPID	As (µg/g)
75381	Brown Bullhead	TN3		5-Apr-2002	244	280	265			78.1	3.4	11331
75382	Brown Bullhead	TN3		5-Apr-2002	244	300	339			78.1	7.47	
75383	Brown Bullhead	TN3		5-Apr-2002	244	240	171			78.1	5.9	
75384	Brown Bullhead	TN3		5-Apr-2002	244	240	171			75.1	7.64	0.03
75461	Brown Bullhead	TN3		8-May-2002	275	290	319			77.7	3.1	0.05
75462	Brown Bullhead	TN3		8-May-2002	275	238	216			77.4	4.55	3.00
75418	Brown Bullhead	TN4		19-Apr-2002		225	137			79.4	4.52	
75419	Brown Bullhead	TN4		19-Apr-2002		230	140			77.3	4.53	
75181	Brown Bullhead	TN5		12-Sep-2001		298	385			77.5	5.85	0.17
75182	Brown Bullhead	TN5		12-Sep-2001	-	243	157			78.4	2.86	0.28
70102	Diowii Duilleau	1140		. 2 Och 2001	02	2.10	107	1				7.20

75183	Brown Bullhead	TN5	12-Sep-2001	52	243	199		76.3	4.48	0.28
75184	Brown Bullhead	TN5	12-Sep-2001	52	255	216		77.5	3.66	5
75257	Brown Bullhead	TN5	25-Oct-2001	88	293	305		77.8	3.7	0.03
75258	Brown Bullhead	TN5	25-Oct-2001	88	360	669		80.9	2.37	
75453	Brown Bullhead	TN5	19-Apr-2002	266	277	303		78.3	4.11	
75454	Brown Bullhead	TN5	19-Apr-2002	266	290	314		81	3.1	0.01
75455	Brown Bullhead	TN5	19-Apr-2002	266	285	319		78.5	2.95	
75456*	Brown Bullhead	TN5	19-Apr-2002	266	348	473		78.3	4.34	0.01
75457	Brown Bullhead	TN5	19-Apr-2002	266	300	361		72.1	10.77	
75458	Brown Bullhead	TN5	19-Apr-2002	266	283	306		77.6	3.78	
75179	Brown Bullhead	TN6	12-Sep-2001	53	243	192		78.3	6.9	0.22
75180	Brown Bullhead	TN6	12-Sep-2001	53	245	214		75.7	3.16	0.3
75234	Brown Bullhead	TN6	14-Aug-2001	7	348	590		77.5	2.2	0.96
75230	Brown Bullhead	TN6	14-Aug-2001	7	350	604		80.2	1.79	
75231	Brown Bullhead	TN6	14-Aug-2001	7	373	507		83.1	1.18	0.01
75232	Brown Bullhead	TN6	14-Aug-2001	7	348	447		80.1	2.52	
75233	Brown Bullhead	TN6	14-Aug-2001	7	374	758		77.5	3.2	0.01
75259	Brown Bullhead	TN6	25-Oct-2001	89	380	764		77.9	2.53	
75269	Brown Bullhead	TN6	9-Nov-2001	105	360	662		75.1	3.87	0.11
			Total							
			Number	29	29	29		29	29	15
			Min.		225.00	137.00		72.10	1.18	0.01
			Max.		380.00	764.00		83.10	10.77	5.00
			Median		290.00	314.00		77.90	3.70	0.11
			Mean		294.45	362.17		77.96	4.15	0.50
			STDEV		50.35	190.40		2.05	2.04	1.27
MPLE#	SPECIES	CATCH	CATCH DATE	COLLEC TION NUMBER	TOTAL LENGTH (mm)	TOTAL WEIGHT	SEX	%MOIST URE	%LIPID	As (ua/a)
		LOCATION	DATE	TION NUMBER	LENGTH (mm)	WEIGHT (g)	SEX	URE	%LIPID 7.04	As (µg/g)
75201	Mummichog	S3	21-Sep-2001	TION NUMBER 57	LENGTH (mm) 46	WEIGHT (g) 225	SEX	71.7	7.04	0.44
75201 75202	Mummichog Mummichog	S3 S3	21-Sep-2001 21-Sep-2001	TION NUMBER 57 57	LENGTH (mm) 46 48	WEIGHT (g) 225 225	SEX	71.7 73.4	7.04 7.78	0.44 0.52
75201 75202 75203	Mummichog Mummichog Mummichog	S3 S3 S3	21-Sep-2001 21-Sep-2001 21-Sep-2001	57 57 57	LENGTH (mm) 46 48 47	WEIGHT (g) 225 225 225	SEX	71.7 73.4 72.1	7.04 7.78 7.91	0.44 0.52 0.51
75202 75203 75204	Mummichog Mummichog Mummichog Mummichog	S3 S3 S3 S3 S3	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001	57 57 57 57 57	LENGTH (mm) 46 48	WEIGHT (g) 225 225	SEX	71.7 73.4 72.1 76	7.04 7.78 7.91 8.37	0.44 0.52 0.51 0.44
75201 75202 75203 75204 7904.1	Mummichog Mummichog Mummichog Mummichog Mummichog	S3 S3 S3 S3 TN2	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003	57 57 57 57 57 424	LENGTH (mm) 46 48 47	WEIGHT (g) 225 225 225	SEX	71.7 73.4 72.1 76 78.3	7.04 7.78 7.91 8.37 4.02	0.44 0.52 0.51 0.44 nd
75201 75202 75203 75204 7904.1 7904.2	Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog	S3 S3 S3 S3 TN2 TN2	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003	57 57 57 57 57 424 424	LENGTH (mm) 46 48 47	WEIGHT (g) 225 225 225	SEX	71.7 73.4 72.1 76 78.3 75.6	7.04 7.78 7.91 8.37 4.02 4.93	0.44 0.52 0.51 0.44 nd
75201 75202 75203 75204 7904.1 7904.2 7904.3	Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog	S3 S3 S3 S3 TN2 TN2 TN2 TN2	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003 7-May-2003	57 57 57 57 57 57 424 424 424	LENGTH (mm) 46 48 47	WEIGHT (g) 225 225 225	SEX	71.7 73.4 72.1 76 78.3 75.6 74.9	7.04 7.78 7.91 8.37 4.02 4.93 5.30	0.44 0.52 0.51 0.44 nd nd
75201 75202 75203 75204 7904.1 7904.2 7904.3 7904.4	Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog	S3 S3 S3 S3 TN2 TN2 TN2 TN2 TN2 TN2 TN2	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003 7-May-2003 7-May-2003	57 57 57 57 57 424 424 424 424	LENGTH (mm) 46 48 47	WEIGHT (g) 225 225 225	SEX	71.7 73.4 72.1 76 78.3 75.6 74.9 76.1	7.04 7.78 7.91 8.37 4.02 4.93 5.30 4.18	0.44 0.52 0.51 0.44 nd nd nd
75201 75202 75203 75204 7904.1 7904.2 7904.3 7904.4 7904.5	Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog Mummichog	S3 S3 S3 S3 TN2	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003 7-May-2003 7-May-2003 7-May-2003	57 57 57 57 57 424 424 424 424 424 424	46 48 47 46	WEIGHT (g) 225 225 225 220	SEX	71.7 73.4 72.1 76 78.3 75.6 74.9 76.1 76.1	7.04 7.78 7.91 8.37 4.02 4.93 5.30 4.18 4.40	0.44 0.52 0.51 0.44 nd nd
75201 75202 75203 75204 7904.1 7904.2 7904.3 7904.4 7904.5 75361	Mummichog	S3 S3 S3 S3 TN2	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003 7-May-2003 7-May-2003 7-May-2003 23-Jan-2002	57 57 57 57 57 424 424 424 424 424 424 178	46 48 47 46	WEIGHT (g) 225 225 225 220 297	SEX	71.7 73.4 72.1 76 78.3 75.6 74.9 76.1 76.1 74.6	7.04 7.78 7.91 8.37 4.02 4.93 5.30 4.18 4.40 6.15	0.44 0.52 0.51 0.44 nd nd nd
75201 75202 75203 75204 7904.1 7904.2 7904.3 7904.4 7904.5 75361 75362	Mummichog	S3 S3 S3 S3 TN2	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003 7-May-2003 7-May-2003 7-May-2003 23-Jan-2002 23-Jan-2002	TION NUMBER 57 57 57 57 424 424 424 424 424 178 178	LENGTH (mm) 46 48 47 46	WEIGHT (g) 225 225 225 220 297 298	SEX	71.7 73.4 72.1 76 78.3 75.6 74.9 76.1 76.1 76.1 74.6 73.2	7.04 7.78 7.91 8.37 4.02 4.93 5.30 4.18 4.40 6.15 6.13	0.44 0.52 0.51 0.44 nd nd nd nd
75201 75202 75203 75204 7904.1 7904.2 7904.3 7904.4 7904.5 75361 75362 75251	Mummichog	S3 S3 S3 S3 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN3 TN3 TN3	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003 7-May-2003 7-May-2003 23-Jan-2002 23-Jan-2002 25-Oct-2001	57 57 57 57 57 424 424 424 424 424 178 178 87	46 48 47 46 48 5 65	225 225 225 220 220 297 298 282	SEX	71.7 73.4 72.1 76 78.3 75.6 74.9 76.1 76.1 74.6 73.2 73.7	7.04 7.78 7.91 8.37 4.02 4.93 5.30 4.18 4.40 6.15 6.13 8.17	0.44 0.52 0.51 0.44 nd nd nd nd
75201 75202 75203 75204 7904.1 7904.2 7904.3 7904.4 7904.5 75361 75362 75251 75252	Mummichog	S3 S3 S3 S3 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN3 TN3 TN3 TN3 TN4 TN4	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003 7-May-2003 7-May-2003 23-Jan-2002 23-Jan-2002 25-Oct-2001	TION NUMBER 57 57 57 57 424 424 424 424 424 178 178 87 87	## LENGTH (mm) 46 48 47 46 87 85 65 63	225 225 225 220 220 297 298 282 281	SEX	71.7 73.4 72.1 76 78.3 75.6 74.9 76.1 76.1 74.6 73.2 73.7 74.2	7.04 7.78 7.91 8.37 4.02 4.93 5.30 4.18 4.40 6.15 6.13 8.17 7.82	0.44 0.52 0.51 0.44 nd nd nd nd od od od od od od
75201 75202 75203 75204 7904.1 7904.2 7904.3 7904.4 7904.5 75361 75362 75251 75252 75351	Mummichog	S3 S3 S3 S3 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN4 TN4 TN4 TN4	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003 7-May-2003 7-May-2003 23-Jan-2002 23-Jan-2002 25-Oct-2001 9-Nov-2001	TION NUMBER 57 57 57 57 424 424 424 424 424 178 178 87 87	87 85 63 72	225 225 225 220 220 297 298 282 281 278	SEX	71.7 73.4 72.1 76 78.3 75.6 74.9 76.1 76.1 74.6 73.2 73.7 74.2 71.9	7.04 7.78 7.91 8.37 4.02 4.93 5.30 4.18 4.40 6.15 6.13 8.17 7.82 9.03	0.44 0.52 0.51 0.44 nd nd nd nd
75201 75202 75203 75204 7904.1 7904.2 7904.3 7904.4 7904.5 75361 75362 75251 75252	Mummichog	S3 S3 S3 S3 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN2 TN3 TN3 TN3 TN3 TN4 TN4	21-Sep-2001 21-Sep-2001 21-Sep-2001 21-Sep-2001 7-May-2003 7-May-2003 7-May-2003 7-May-2003 23-Jan-2002 23-Jan-2002 25-Oct-2001	TION NUMBER 57 57 57 57 424 424 424 424 424 178 178 87 87	## LENGTH (mm) 46 48 47 46 87 85 65 63	225 225 225 220 220 297 298 282 281	SEX	71.7 73.4 72.1 76 78.3 75.6 74.9 76.1 76.1 74.6 73.2 73.7 74.2	7.04 7.78 7.91 8.37 4.02 4.93 5.30 4.18 4.40 6.15 6.13 8.17 7.82	0.44 0.52 0.51 0.44 nd nd nd nd od od od od od od

75423 '6435.1	Atlantic Silverside	\$2 \$2 \$2 \$2 \$2 \$3 \$3	23-Apr-2002 7/22/02 7/22/02 7/22/02 7/22/02 15-Oct-2001 15-Oct-2001 15-Oct-2001	268 EX-015 EX-015 EX-015 EX-015 84 84	86 89 90	226 226 226		75.1 72.1 76.4 74.4 71.2 76.1 75.8	7.58 6.13 6.23	nd nd nd nd 0.98 0.74
75423 6435.1 6435.2 6435.3 6435.4 75226	Atlantic Silverside Atlantic Silverside Atlantic Silverside Atlantic Silverside Atlantic Silverside	\$2 \$2 \$2 \$2 \$2 \$3	7/22/02 7/22/02 7/22/02 7/22/02 15-Oct-2001	EX-015 EX-015 EX-015 EX-015	86	226		75.1 72.1 76.4 74.4 71.2	7.58	nd nd nd 0.98
75423 6435.1 6435.2 6435.3 6435.4	Atlantic Silverside Atlantic Silverside Atlantic Silverside Atlantic Silverside	\$2 \$2 \$2 \$2 \$2	7/22/02 7/22/02 7/22/02 7/22/02	EX-015 EX-015 EX-015				75.1 72.1 76.4 74.4	4.31	nd nd nd
75423 6435.1 6435.2 6435.3	Atlantic Silverside Atlantic Silverside Atlantic Silverside	\$2 \$2 \$2	7/22/02 7/22/02 7/22/02	EX-015 EX-015 EX-015	100	102		75.1 72.1 76.4		nd nd
75423 '6435.1 '6435.2	Atlantic Silverside Atlantic Silverside	S2 S2	7/22/02 7/22/02	EX-015 EX-015	100	102		75.1 72.1		nd
75423 '6435.1	Atlantic Silverside	S2	7/22/02	EX-015	100	102		75.1		
75423					100	102				nd
	Atlantic Silvergine	S2	23-Apr-2002	268	11.70					
2270 3					106	102		75.9	3.53	1
0019.2	Atlantic Silverside		8/26/02	476				73.4	4.37	nd
	Atlantic Silverside		8/26/02	476				70.7	5.23	nd
	Atlantic Silverside		8/26/02	476	100	100		72.0	4.64	nd
	Atlantic Silverside		26-Mar-2002		105	139		74.9	7.83	0.15
MPLE # 75355	SPECIES Atlantic Silverside	S1	13-Nov-2001	NUMBER 107	(mm) 78	(g) 257	SEX	77.7	%LIPID 3.7	As (μg/ 0.11
		САТСН	CATCH	COLLEC	TOTAL LENGTH	TOTAL WEIGHT	057	%MOIST	0/1 1010	
						31.00				
			STDEV		11.94	67.95		1.80	1.44	0.17
			Mean		72.17	219.03		75.03	6.32	0.14
			Median		73.50	227.50		74.90	6.15	0.06
			Max.		87.00	322.00		79.40	9.03	0.52
			Number Min.	35	46.00	104.00		71.70	35 4.02	0.01
76434	Mummichog	TN6	19-Jul-2002 Total	359	80	104		79.4	4.39	0.06
75446	Mummichog	TN6	19-Apr-2002	267	81	136		77.1	4.83	0.00
75445	Mummichog	TN6	19-Apr-2002	267	81	133		77.4	6.54	
75444	Mummichog	TN6	19-Apr-2002	267	85	130		76.8	6.09	-
75360	Mummichog	TN6	25-Jan-2002	181	75	260		76.1	5.02	0.07
75354	Mummichog	TN6	11-Dec-2001	144	70	183		74.4	7.41	0.03
75353	Mummichog	TN6	11-Dec-2001	144	71	185		75.1	7.39	0.06
75352	Mummichog	TN6	11-Dec-2001	144	69	251		74.9	7.67	0.09
75350	Mummichog	TN6	9-Nov-2001	105	76	322		73.8	5.22	0.08
75349	Mummichog	TN6	9-Nov-2001	105	73	250		73.6	6.14	0.06
75256	Mummichog	TN6	25-Oct-2001	89	82	268		76	6.3	0.01
75443	Mummichog	TN5	19-Apr-2002	266	83	125		75.8	4.33	
75442	Mummichog	TN5	19-Apr-2002	266	81	126		75.1	5.04	
75364	Mummichog	TN5	25-Jan-2002	180	76	305		73.8	7.24	0.01
75363	Mummichog	TN5	25-Jan-2002	180	70	306		74	6.71	0.01
5348	Mummichog	TN5	9-Nov-2001	104	74	230		74.6	7.59	0.16
5255	Mummichog Mummichog	TN5	25-Oct-2001 25-Oct-2001	88 88	70 71	251 140		75.5 73.8	5.23 7.59	0.05

	PER MUNICIPAL SERVICE		Min.	Head to the	78.00	102.00		70.70	3.20	0.11
			Max.		106.00	257.00		77.70	7.88	0.98
			Median		90.00	210.50		74.90	4.94	0.58
			Mean		93.63	184.88		74.29	5.39	0.53
			STDEV		10.43	60.07		2.34	1.71	0.36
MPLE#	SPECIES	CATCH	CATCH DATE	COLLEC TION NUMBER	TOTAL LENGTH (mm)	TOTAL WEIGHT (g)	SEX	%MOIST URE	%LIPID	As (µg/g)
76291	Carp	GN3	21-Jun-2002	330	573	3772		74.3	7.63	0.02
76292	Carp	GN3	21-Jun-2002		698	3746		75.1	7.36	0.14
76293	Carp	GN3	21-Jun-2002	330	613	3541		72.6	3.55	0.15
75412	Carp	TN4	19-Apr-2002	265	596	2656		78.9	3.87	0.03
75413	Carp	TN4	19-Apr-2002	265	596	2656		79	2.3	0.03
75414	Carp	TN4	19-Apr-2002	265	596	2656		79	4.85	0
75415	Carp	TN4	19-Apr-2002	265	596	2656		78.8	2.36	0
75416	Carp	TN4	19-Apr-2002	265	596	2656		77	3.64	0
77154	Carp	TN6	1-Nov-2002	386	370	972		74.9	1.96	0.16
77104	Carp		Total	000	0,0				1.00	0.10
			Number	9	9	9		9	9	9
			Min.		370.00	972.00		72.60	1.96	0.00
			Max.		698.00	######		79.00	7.63	0.16
			Median		596.00	######		77.00	3.64	0.03
			Mean		581.56	######		76.62	4.17	0.06
THE SEAL OF			STDEV		86.91	853.86		2.46	2.09	0.07
MPLE#	SPECIES	CATCH LOCATION	CATCH DATE	COLLEC TION NUMBER	TOTAL LENGTH (mm)	TOTAL WEIGHT (g)	SEX	%MOIST URE	%LIPID	As (µg/g
Crab1	Blue Crab	TN1	18-Oct-2002	362			M	79.6		2.01
Crab2	Blue Crab	TN1	18-Oct-2002	362			M	80.5	1.52	0.96
Crab3	Blue Crab	TN1	18-Oct-2002	362			M	75.7	1.66	1.13
Crab4	Blue Crab	TN1	18-Oct-2002	362			M	76.5	1.57	0.68
			Total Number					4	3	4
			Hullibel	4						
			Min.				1888	75.70	1.52	0.68
			Max.		NAME OF THE PERSON OF THE PERS			80.50	1.66	2.01
			Median					78.05	1.57	1.05
			Mean					78.08	1.58	1.20
			STDEV			KE SCHOOL SCHOOL		2.33	0.07	0.57

APPENDIX 3b. CALCULATION OF SRM RETURN (Quality Assurance)

		As							
		(µg/g)	Cd (µg/g)	Cr (µg/g)	Cu(µg/g)	Hg(µg/g)	Pb (µg/g)	NI (µg/g)	
SRM DOLT2	215		19.36	0.98	29.73	1.930	0.56	0.86	
SRM DOLT2	215		17.93	0.77	28.23	2.070	1.14	0.91	
SRM DOLT2	1209	9.63				1.753			
SRM DORM2	1209	12.92				2.533			
SRM DOLT2	1112	8.54	19.34	0.58	22.76	2.003	0.16	0.46	
SRM DOLT2	1105	11.91	21.42	0.48	25.27	2.046	0.22	0.48	
SRM DOLT2	1101	12.80	19.39	0.59	20.15	1.731	0.22	0.41	
SRM DOLT2	1021	10.75	18.90	0.39	24.00	1.726	0.42	0.45	
SRM DOLT2	82-2	10.56	18.62	0.40	23.83	1.857	0.31	0.61	
SRM DOLT2	9	9.20				2.210			
SRM DOLT2	82-1	11.10	25.82	0.42	24.13	1.995	0.31		
DOLT2		• • • • •	25.05	0.46	24.03		0.27		
SRM	92	10.30	21.43	1.59	25.46	1.981	0.36	0.63	
							0.07		7-
SRM DOLT2	73-1	8.64	19.10	0.76	25.08	2.524	0.37		Zn
SRM	52		21.73	0.64	33.17	1.691	0.49		Zn
Dolt2	34-2	4.29					2		Zn
	41-2	5.53							Zn
SRM DOLT2	5		20.77	0.64	35.87		0.41		Zn
SRM Dolt2	41-2		20.60	0.60	32.81	1.720	1.89		Zn
SRM Dolt2-1			21.02	0.59	30.39	1.824	1.93		Zn
SRM Dolt2-2			20.56	0.52	33.88	1.894	2.03		Zn
SRM6 DOLT2		6.21	12.45	0.34	26.80	1.855	0.70		Zn
SRM5 DOLT2		7.93	16.10	0.38	26.85	2.005	0.78		Zn
SRM4 DOLT2		2.51	10.34	0.48	28.10	1.756	1.32		Zn
SRM2 DOLT2		23.70	22.28	0.36	27.92		1.31	85.36	Zn
SRM3 DOLT2		19.20	22.11	0.36	28.04	2.008	1.29	94.52	Zn
						02. 1502065	092000000	540 (2020)	Transported to
Mean		10.32	19.73	0.59	27.45	1.96	0.79	0.60	89.94
St. Dev.		5.00	3.55						
Exp'd		16.60	20.80	0.37	25.80	1.990	0.22	0.20	85.8
95%CI		1.10	0.50	0.0	8 1.10	0.100	0.02	0.0	2.5

