

**Nordenberg, Tamar**

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**From:** Wilms, Heinz G  
**Sent:** Tuesday, April 03, 2001 12:46 PM  
**To:** Nordenberg, Tamar  
**Subject:** FW: Final Report for Mercury Survey Samples, Oct-Dec 2000



mercury\_email\_table.xls



ATT11564.txt

-----Original Message-----

**From:** Stacie A Hammack [mailto:hammacs@doacs.state.fl.us]  
**Sent:** Wednesday, January 17, 2001 1:39 PM  
**To:** Fuller, Marion  
**Cc:** meltonp@doacs.state.fl.us; brownjo@doacs.state.fl.us; engelm@doacs.state.fl.us  
**Subject:** Final Report for Mercury Survey Samples, Oct-Dec 2000

We have completed our survey of total mercury in retail fish samples (Oct-Dec 2000 sample collection). A total of 206 samples were analyzed.

The attached Excel file contains the data for individual samples. The information below is a summary of the information in this table.

118 samples of canned tuna were analyzed with results ranging from Below Detection Limit (DL = 0.011ppm) to 0.77ppm with an average value of 0.28ppm. None of these samples were over 1ppm total mercury.

10 fresh King Mackerel or Mackerel were analyzed with results ranging from 0.16ppm to 1.76ppm with an average value of 0.52ppm. Two of the 10 samples were over 1ppm total mercury.

1 fresh Spanish Mackerel was analyzed at 0.80ppm total mercury.

2 Canned Mackerel samples were analyzed, both samples were below the limit of quantitation (LOQ = 0.036ppm total mercury)

6 samples of fresh shark meat were analyzed with values ranging from 1.59ppm to 4.02ppm with an average value of 2.90ppm. All 6 samples were over 1ppm total mercury.

33 samples of Swordfish were analyzed with results ranging from 0.48ppm to 3.55ppm with an average of 1.69ppm total mercury. 24 of the 33 samples were over 1ppm total mercury.

36 samples of fresh Tuna steak or fillets were analyzed with results ranging from 0.07ppm to 1.19ppm with an average value of 0.56ppm total mercury. Two of the 36 samples were over 1ppm total mercury.

Sample	Product	ppm Hg
08650	Canned tuna	0.12
08651	Canned tuna	0.42
08652	Canned tuna	0.26
08653	Canned tuna	0.48
08654	Canned tuna	0.33
08655	Canned tuna	0.11
08730	Canned tuna	0.47
08731	Canned tuna	0.27
08732	Canned tuna	0.26
08733	Canned tuna	BLOQ
08734	Canned tuna	BLOQ
08735	Canned tuna	BLOQ
08969	Canned tuna	0.076
08970	Canned tuna	0.027
08971	Canned tuna	0.363
08972	Canned tuna	0.059
08973	Canned tuna	0.119
09188	Canned tuna	0.526
09189	Canned tuna	0.007
09190	Canned tuna	0.376
09191	Canned tuna	BLOQ
09192	Canned tuna	0.24
09465	Canned tuna	0.265
09466	Canned tuna	0.502
09467	Canned tuna	0.434
09468	Canned tuna	BLOQ
09469	Canned tuna	0.33
09508	Canned tuna	0.081
09509	Canned tuna	BDL
09510	Canned tuna	0.184
09511	Canned tuna	0.406
09512	Canned tuna	0.292
09625	Canned tuna	0.418
09626	Canned tuna	0.113
09627	Canned tuna	0.336
09628	Canned tuna	0.066
09629	Canned tuna	0.338
09630	Canned tuna	0.361
09631	Canned tuna	0.447
09632	Canned tuna	0.088
09633	Canned tuna	0.426
09634	Canned tuna	0.075
09937	Canned tuna	0.67
09938	Canned tuna	0.575
09939	Canned tuna	0.293
09940	Canned tuna	0.04
09941	Canned tuna	0.502
09998	Canned tuna	0.228
09999	Canned tuna	0.465
10000	Canned tuna	0.314
10001	Canned tuna	0.453

10282	Canned tuna	0.254
10283	Canned tuna	BLOQ
10300	Canned tuna	0.288
10301	Canned tuna	0.063
10302	Canned tuna	0.048
10351	Canned tuna	0.052
10415	Canned tuna	0.305
10416	Canned tuna	0.086
10417	Canned tuna	0.065
10428	Canned tuna	0.105
10429	Canned tuna	0.126
10430	Canned tuna	0.173
10589	Canned tuna	0.41
10590	Canned tuna	0.452
10591	Canned tuna	0.379
10592	Canned tuna	0.317
10593	Canned tuna	0.497
10594	Canned tuna	0.52
10595	Canned tuna	0.31
10596	Canned tuna	0.158
10597	Canned tuna	0.353
10598	Canned tuna	0.104
10674	Canned tuna	0.095
10675	Canned tuna	0.726
10676	Canned tuna	0.347
10677	Canned tuna	0.265
10922	Canned tuna	0.119
10923	Canned tuna	0.194
10924	Canned tuna	0.42
10925	Canned tuna	0.771
10926	Canned tuna	0.295
10927	Canned tuna	0.248
10928	Canned tuna	0.06
10929	Canned tuna	0.358
10971	Canned tuna	0.4
10972	Canned tuna	0.318
10973	Canned tuna	0.474
10974	Canned tuna	0.375
10975	Canned tuna	0.373
10976	Canned tuna	0.49
10977	Canned tuna	0.394
10978	Canned tuna	0.759
10979	Canned tuna	0.217
10980	Canned tuna	0.244
10993	Canned tuna	0.394
10994	Canned tuna	0.328
10995	Canned tuna	0.068
11168	Canned tuna	0.118
11169	Canned tuna	0.347
11170	Canned tuna	0.194
11171	Canned tuna	0.24
11172	Canned tuna	0.194

11173	Canned tuna	0.067
11174	Canned tuna	0.36
11175	Canned tuna	0.293
11176	Canned tuna	0.094
11177	Canned tuna	0.121
11251	Canned tuna	0.114
11252	Canned tuna	0.08
11253	Canned tuna	0.157
11254	Canned tuna	0.214
11255	Canned tuna	0.094
11256	Canned tuna	0.162
11257	Canned tuna	0.062
11258	Canned tuna	0.209
11259	Canned tuna	0.338
11260	Canned tuna	0.041
	Average	0.275
11332	King Mackerel	1.23
09430	King Mackerel	0.43
11484	Mackeral	0.246
11485	Mackeral	0.250
11486	Mackeral	0.163
11488	Mackeral	0.328
11587	Mackeral	1.76
10523	Mackeral	0.157
10670	Mackeral	0.174
11002	Mackeral	0.434
	Average	0.517
10672	Mackeral, canned	BLOQ
10673	Mackeral, canned	BLOQ
11005	Spanish Mackeral	0.802
11380	Shark	3.00
11583	Shark	3.96
09909	Shark	2.07
10002	Shark	4.02
10355	Shark	2.75
09697	Shark, Blacktip	1.59
	Average	2.90
11329	Swordfish	0.758
11381	Swordfish	2.49
11445	Swordfish	2.08
11449	Swordfish	1.40
11453	Swordfish	3.32
11579	Swordfish	2.25
11585	Swordfish	2.61
09431	Swordfish	1.76
09433	Swordfish	1.75
09613	Swordfish	3.55

09694	Swordfish	0.582
09755	Swordfish	0.482
09757	Swordfish	0.903
09882	Swordfish	2.17
09908	Swordfish	2.61
09967	Swordfish	2.04
09990	Swordfish	0.798
10003	Swordfish	1.48
10378	Swordfish	2.92
10393	Swordfish	1.07
10446	Swordfish	2.54
10521	Swordfish	1.61
10524	Swordfish	0.99
10525	Swordfish	1.87
10602	Swordfish	0.427
10603	Swordfish	0.693
10604	Swordfish	1.27
10671	Swordfish	0.743
10678	Swordfish	2.99
10990	Swordfish	1.27
10992	Swordfish	1.59
11001	Swordfish	1.09
09695	Swordfish, Australian	1.6
	Average	1.69

11330	tuna steak or fillet	0.0684
11331	tuna steak or fillet	0.775
11446	tuna steak or fillet	0.68
11454	tuna steak or fillet	0.115
11578	tuna steak or fillet	0.435
11580	tuna steak or fillet	0.472
11581	tuna steak or fillet	0.272
11582	tuna steak or fillet	0.146
11584	tuna steak or fillet	0.204
11586	tuna steak or fillet	0.415
09428	tuna steak or fillet	0.852
09612	tuna steak or fillet	0.574
09614	tuna steak or fillet	0.475
09750	tuna steak or fillet	0.946
09756	tuna steak or fillet	0.294
09758	tuna steak or fillet	0.991
09881	tuna steak or fillet	0.48
09966	tuna steak or fillet	0.275
09989	tuna steak or fillet	0.37
09997	tuna steak or fillet	0.099
10377	tuna steak or fillet	0.375
10394	tuna steak or fillet	0.662
10445	tuna steak or fillet	0.402
10522	tuna steak or fillet	0.5
10526	tuna steak or fillet	0.241
10605	tuna steak or fillet	0.316
10679	tuna steak or fillet	2.25

10989	tuna steak or fillet	0.82
10991	tuna steak or fillet	1.19
11003	tuna steak or fillet	0.213
11004	tuna steak or fillet	0.548
11328	Yellowfin Tuna	1.11
09424	Yellowfin Tuna	0.957
09693	Yellowfin Tuna	0.111
09696	Yellowfin Tuna	0.689
10356	Yellowfin Tuna	0.748
	Average	0.558