

Catawba River chain-of-lakes fish tissue contaminant results, July 2011

DWQ Sample	Waterbody (location)	Fish Species	Sample Type ^a	Avg. Length		Avg. Weight		Contaminant (ppm) ^b			
				mm.	in.	g.	lbs.	Total PCBs	Hg	As	Se
11-299	Mountain Island Lake (upstream)	blue catfish	FC2	508	20.0	1,494.0	3.3	0.061	0.02	ND	ND
11-300	Mountain Island Lake (upstream)	blue catfish	FC2	664	26.0	2,846.5	6.3	0.040	0.06	ND	ND
11-301	Mountain Island Lake (upstream)	black crappie	FC4	255	10.0	248.8	0.6	0.009	0.04	ND	ND
11-302	Mountain Island Lake (upstream)	black crappie	FC4	320	12.6	475.0	1.1	0.004	0.08	ND	ND
11-303	Mountain Island Lake (upstream)	white perch	FC5	170	6.7	67.2	0.2	0.007	0.02	ND	1.99
11-304	Mountain Island Lake (upstream)	white perch	FC4	189	7.5	95.5	0.2	0.010	0.05	ND	ND
11-306	Mountain Island Lake (downstream)	blue catfish	FC2	485	19.0	1,243.0	2.7	0.056	0.02	ND	ND
11-307	Mountain Island Lake (downstream)	blue catfish	FC3	418	16.4	595.3	1.3	0.016	0.01	ND	ND
11-308	Lake Wylie (midlake)	largemouth bass	FC5	420	16.5	971.8	2.1	0.078	0.03	ND	ND
11-309	Lake Wylie (midlake)	largemouth bass	FC5	436	17.2	1,146.4	2.5	0.079	0.03	ND	ND
11-310	Lake Wylie (midlake)	channel catfish	FC4	492	19.4	1,173.3	2.6	0.032	0.16	ND	ND
11-311	Lake Wylie (midlake)	channel catfish	FC5	500	19.7	1,257.8	2.8	0.029	0.13	ND	ND
11-347	Lake Norman (Ramsey Creek Arm)	channel catfish	FC8	387	15.3	500.1	1.1	0.008	0.04	ND	ND
11-348 ^c	Lake Norman (Ramsey Creek Arm)	channel catfish	FC8	387	15.3	500.1	1.1	0.009	0.04	ND	ND
11-349	Lake Norman (Ramsey Creek Arm)	channel catfish	FC6	338	13.3	292.3	0.6	0.015	0.03	ND	ND
11-350	Lake Norman (Ramsey Creek Arm)	white perch	FC5	190	7.5	92.0	0.2	0.003	0.06	ND	2.18
11-351	Lake Norman (Ramsey Creek Arm)	white perch	FC5	175	6.9	71.2	0.2	0.002	0.04	ND	1.71
11-352	Lake Norman (Ramsey Creek Arm)	spotted bass	FC5	352	13.9	519.0	1.1	0.006	0.11	ND	ND
11-353	Lake Norman (Ramsey Creek Arm)	flathead catfish	FC3	507	20.0	1,114.7	2.5	0.005	0.19	ND	ND
11-354	Lake Norman (Ramsey Creek Arm)	blue catfish	FC4	426	16.8	738.5	1.6	0.003	0.02	ND	ND
11-355	Lake Norman (Ramsey Creek Arm)	blue catfish	FC4	507	19.9	1,351.8	3.0	0.011	0.07	ND	ND

^a Sample Type - FC = fillet composite (followed by number of fish in composite).

^b Total PCBs = polychlorinated biphenyls (sum of all 209 PCB congeners), Hg = total mercury, As = arsenic, and Se = selenium. ND = non detection.

Bold numbers indicate exceedances of the NCDHHS fish consumption advisory (FCA) action level for total PCBs.

^c Sample 11-348 is a blind duplicate of sample 11-347.

Fish Consumption Advisory Action Level Summary:

NCDHHS FCA action Level for total PCBs = **0.05 ppm**, Exceedances were observed in two blue catfish from Mountain Island Lake and two largemouth bass from Lake Wylie.

NCDHHS FCA action Level for total mercury = **0.4 ppm**, No exceedances were observed.

No NCDHHS FCA action Level exists for arsenic. No detections of arsenic were observed.

NCDHHS FCA action Level for selenium = **10.0 ppm**. No exceedances were observed.