

Library Reference 8.7.4.3.1

**Summary of DELTFM results from Onondaga Lake in 2009.**

*a) Adult Fish DELTFM Summary*

Stratum	Number
Stratum 1	49
Stratum 2	72
Stratum 3	40
Stratum 4	27
Stratum 5	38
Whole Lake	226

**DELTFM:**  
Deformities  
Erosions  
Lesions  
Tumors  
Fungus  
Malignancies

\* Note: Juvenile DELTFM are not included in the count by stratum above.

*b) Whole lake DELTFM abnormalities by type and species for juveniles.*

Species	DELTFM	Number
Banded killifish	Fungal Infections - Tail fungus	1
	Lesions - Back	1
	Lesions - Left side	6
	Lesions - Right side	13
	Lesions - SIDES	1
Brown bullhead	Lesions - fins and barbels	1
Gizzard shad	Lesions - Mouth	1
Pumpkinseed	Deformities - TAIL	1
	Erosions - Right pectoral	1
	Lesions - Left pelvic lesion	1

## Summary of DELTFM results in Onondaga Lake in 2009 (continued).

c) Whole lake DELTFM abnormalities by type and species for adults.

Species	DELTFM	Number
Bluegill	Deformities - Blind left eye	1
	Lesions - Left side	1
	Lesions - Right side	1
Bowfin	Deformities - Upper lip	1
	Lesions - Left side	2
	Lesions - Sides, stomach	1
Brown bullhead	Deformities - barbels	1
	Deformities - caudal fin	1
	Deformities - Chin	1
	Deformities - Chin Barbel	10
	Deformities - Chin barbels	5
	Deformities - Hole in cheek plate	1
	Deformities - Lower Jaw	2
	Deformities - Missing left pelvic	1
	Deformities - No adipose	1
	Deformities - Pectoral clip	1
	Deformities - Right Plv.	1
	Erosions - Cadul	1
	Erosions - caudal fin	1
	Erosions - Chin barbel	2
	Erosions - Chin barbels	3
	Erosions - Dorsal fin	6
	Erosions - Fins	1
	Erosions - R Pectoral	1
	Lesions - Adipose	1
	Lesions - Adipose fin	2
	Lesions - Adipose fin - sides	1
	Lesions - anal fin, adipose fin	1
	Lesions - Back, Chin barbel	1
	Lesions - Cadul fin	1
	Lesions - Caudal fin	2
	Lesions - Caudal lesions	1
	Lesions - Chin, Dorsal erosion	1
	Lesions - Dorsal fin	1
	Lesions - Fins	1
	Lesions - Gills	1
	Lesions - Jaw	2
	Lesions - Jaw Lower	2
	Lesions - Jaw, Lower	1
	Lesions - Jaw, Lower	1
	Lesions - Left side	9
	Lesions - Left side, Lower jaw	1
	Lesions - Lesion on left side, Deformitie on chin barbels	1
	Lesions - Lesions on lower jaw, Deformitie - broken dorsal s	1

## Summary of DELTFM results in Onondaga Lake in 2009 (continued).

### *c) Whole lake DELTFM abnormalities by type and species for adults (continued)*

<b>Species</b>	<b>DELTFM</b>	<b>Number</b>
Brown bullhead (continued)	Lesions - Lower Jaw	10
	Lesions - Mouth	5
	Lesions - Mouth, Fins	1
	Lesions - Mouth, blind	1
	Lesions - Right pectoral	1
	Lesions - Right side	6
	Lesions - Sides	2
	Lesions - Stomach	7
	Lesions - Upper Jaw	1
	Malignancies - Sides	2
	Tumors - Lower jaw	1
	Channel catfish	Erosions -
Gizzard shad	Deformities - Caudal fin	1
	Deformities - Upper caudal	2
	Lesions - Left	1
	Lesions - Left jaw	1
	Lesions - Left S	1
	Lesions - Left side	2
	Lesions - Mouth	11
	Lesions - Right side	2
Golden shiner	Lesions -	1
	Lesions - Left side	1
Largemouth bass	Deformities - Missing part of operculum, Hg DEC	1
	Erosions - Caudal fin, Hg DEC	1
	Erosions - Dorsal fin, Hg DEC	1
	Erosions - Hg DEC	1
	Erosions - Lower caudal	1
	Erosions - Upper caudal	1
	Lesions - Caudal fin, Hg DEC	1
	Lesions - Hg DEC Lesions on left side on lateral line	1
	Lesions - Left pelvic fin	1
	Lesions - Left side, Caudal fin	1
	Lesions - Left side, Hg DEC	1
	Lesions - Lower Jaw	1
	Lesions - Lower Jaw, Hg DEC	1
	Lesions - Right side, Hg DEC	1
	Malignancies - Hg DEC, Black anal fin	1
Northern pike	Lesions - Left side	2
	Lesions - Right side	2
Pumpkinseed	Erosions - dorsal fin	1
	Erosions - Lower caudal	2
	Erosions - Upper cadul	1
	Fungal Infections - Back	1
	Fungal Infections - Dorsal	1

## Summary of DELTFM results in Onondaga Lake in 2009 (continued).

*c) Whole lake DELTFM abnormalities by type and species for adults (continued)*

Species	DELTFM	Number
Pumpkinseed (continued)	Fungal Infections - Dorsal fin	1
	Fungal Infections - Head	1
	Fungal Infections - Right side	1
	Lesions - Back	2
	Lesions - Left side	5
	Lesions - Right side	2
Rock bass	Lesions - Left side	1
Shorthead redhorse	Lesions - Anal fin	1
	Lesions - Left side	1
	Lesions - Right side	1
Silver Redhorse Sucker	Erosions - Caudal fin	1
	Erosions - Lower caudal	1
Smallmouth bass	Erosions - Dorsal	1
	Lesions - By dorsal fin	1
	Lesions - Left side	1
	Lesions - Right side	1
Walleye	Lesions - Caudal fin	1
	Tumors - Left	1
	Tumors - Left and Right	1
White perch	Erosions - Caudal	1
	Lesions - Back	2
	Lesions - Left side	2
	Lesions - Right side	3
White sucker	Deformities -	1
	Deformities - Blind in left eye	1
	Deformities - Left operclium missing	1
	Deformities - Scale regeneration	1
	Erosions - Anal fin	1
	Erosions - Caudal fin	2
	Erosions - Lower caudal	1
	Erosions - Lower caudal fin	1
	Lesions - Back	1
	Lesions - Dorsal	1
	Lesions - Dorsal area	2
	Lesions - Left Side	4
	Lesions - Many on body	1
	Lesions - Right side	3
	Lesions - Stomach	2
	Lesions - Stomach area	1
	Tumors - Both sides	1
	Tumors - Right side	1
Yellow perch	Erosions - Dorsal fin	1
	Lesions - Left side	1