

FISH
Consumption
For the Tar Creek Area Including Grand Lake *Guide*



•• Fish Consumption Guide ••

The Oklahoma Department of Environmental Quality has issued a series of fish consumption advisories for the Tar Creek Area, which includes Grand Lake. This fish advisory does not mean all fish caught from these waters are unsafe to eat. Instead, it provides guidelines for people to make informed choices about their health and diet.

The advisory is the result of studies conducted in 2003 and 2007. The study showed increased levels of lead in fish collected in Tar Creek area mill ponds, the Spring River, the Neosho River, and Grand Lake. The fish studied were grouped into five categories: Non-Game Fish, Game Fish, Sunfish, Catfish, and Paddle Fish.

The consumption of fish containing elevated levels of lead is a concern because chronic exposure to lead can cause health problems. Lead is particularly harmful to the developing brains and nervous systems of young children. The recommendations are calculated for the protection of children, but adults should also follow the guidelines.

Lead is known to collect in the bones and organs of fish. All advisories are for fish preparations containing bones except one advisory for boneless fillets for non-game fish caught on the Spring River.

People who wish to reduce their exposure to lead should eat portions that do not contain bones or skin. Fish are an important part of a healthy diet; however, not all fish should be consumed in unlimited quantities by everyone.

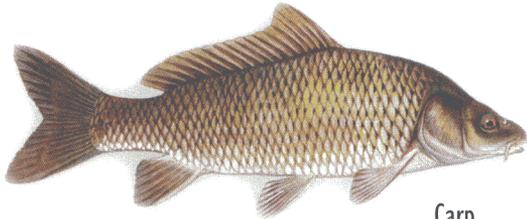
Residents living with the Tar Creek Area have different consumption advisory levels because they have a higher level of risk due to lead exposure from the Tar Creek Superfund Site. The following guidelines are formulated to provide information to both residents and non-residents of the Tar Creek Area.

For more information, contact the Oklahoma Department of Environmental Quality at (405) 702-1000 or visit www.deq.state.ok.us/csdnew/2007TCFishReport.pdf to view the full 2007 study.



Tar Creek Area Resident Advisory

•• Non-Game Fish ••



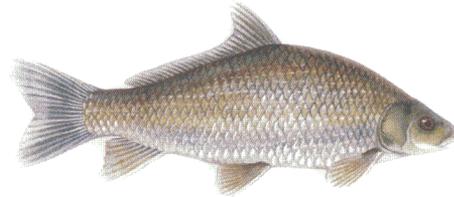
Carp



Redhorse Sucker



Freshwater Drum



Smallmouth Buffalo

Mill Ponds

- Not sampled

Spring River

- 3 meals per month of preparations with bones
- 9 meals per month of boneless fillets

Neosho River

- 8 meals per month of preparations with bones

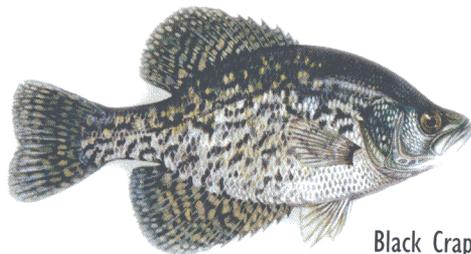
Grand Lake

- 6 meals per month of preparations with bones

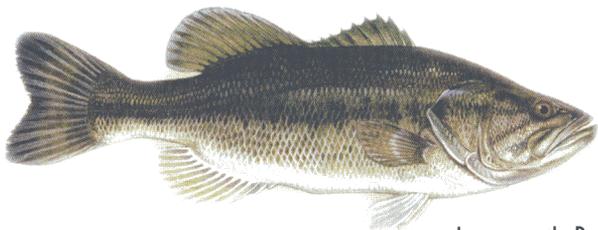
Game Fish



White Bass



Black Crappie



Largemouth Bass



White Crappie

Resident

Mill Ponds

- 14 meals per month of preparations with bones

Spring River

- Unrestricted

Neosho River

- Unrestricted

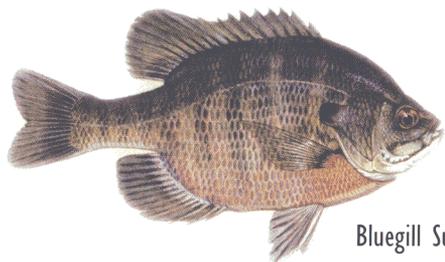
Grand Lake

- Unrestricted

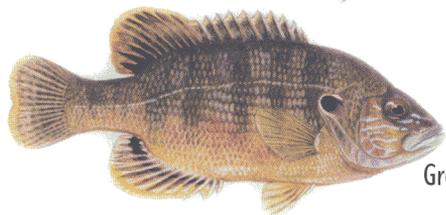
Resident

* Game fish also includes Spotted Bass

Sunfish

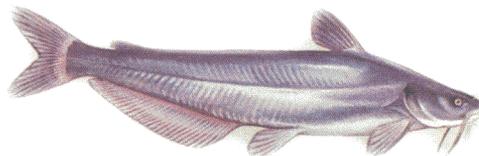


Bluegill Sunfish



Green Sunfish

Catfish



Blue Catfish



Channel Catfish

Resident

Mill Ponds

• 2 meals per month of preparations with bones

Spring River

• 5 meals per month of preparations with bones

Neosho River

• Unrestricted

Grand Lake

• Unrestricted

* Sunfish also includes Hybrid Sunfish

Mill Ponds

• Not sampled

Spring River

• 9 meals per month of preparations with bones

Neosho River

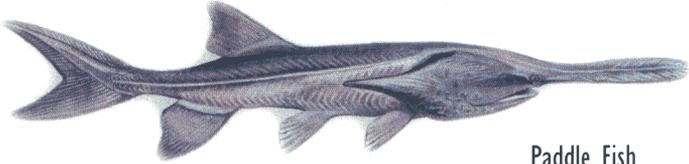
• Unrestricted

Grand Lake

• Unrestricted

Resident

Paddle Fish & Paddle Fish Eggs



Paddle Fish

Tar Creek Area Non-Resident Advisory

Resident

Mill Ponds	Spring River	Neosho River	Grand Lake
• Not sampled	• Unrestricted	• Unrestricted	• Unrestricted

Non-Game Fish



Carp



Redhorse Sucker



Freshwater Drum



Smallmouth Buffalo

Non-Resident

Non-Resident

Mill Ponds

- Not sampled

Spring River

- 5 meals per month of preparations with bones

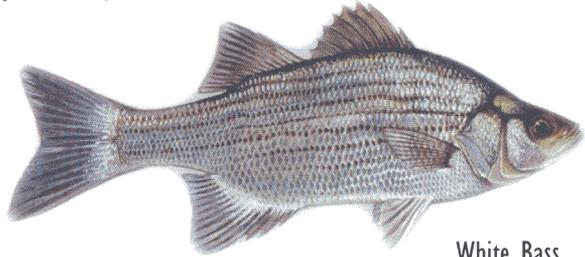
Neosho River

- Unrestricted

Grand Lake

- 11 meals per month of preparations with bones

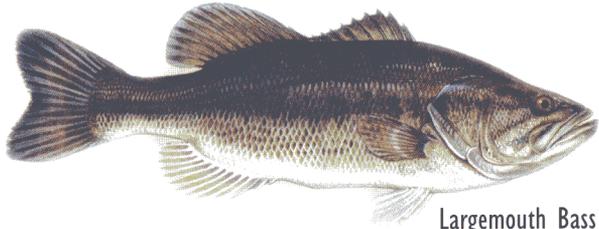
•• Game Fish ••



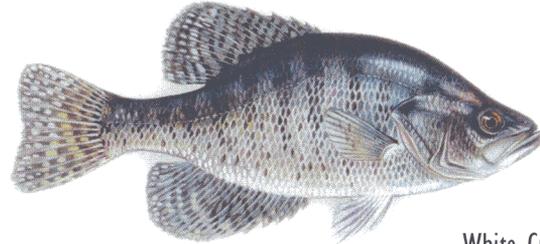
White Bass



Black Crappie



Largemouth Bass



White Crappie

Non-Resident

Non-Resident

Mill Ponds

• Unrestricted

Spring River

• Unrestricted

Neosho River

• Unrestricted

Grand Lake

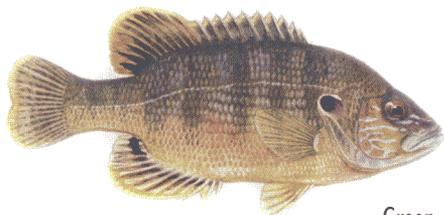
• Unrestricted

* Game fish also includes Spotted Bass

Sunfish



Bluegill Sunfish



Green Sunfish

Catfish



Blue Catfish



Channel Catfish

Non-Resident

Non-Resident

Mill Ponds

Spring River

Neosho River

Grand Lake

• 5 meals per month of preparations with bones

• 8 meals per month of preparations with bones

• Unrestricted

• Unrestricted

* Sunfish also includes Hybrid Sunfish

Mill Ponds

Spring River

Neosho River

Grand Lake

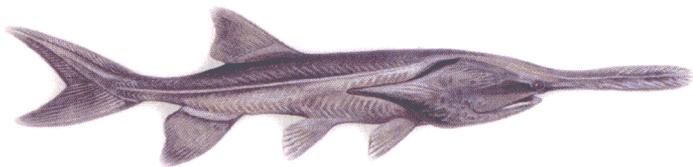
• Not sampled

• Unrestricted

• Unrestricted

• Unrestricted

• Paddle Fish & Paddle Fish Eggs •



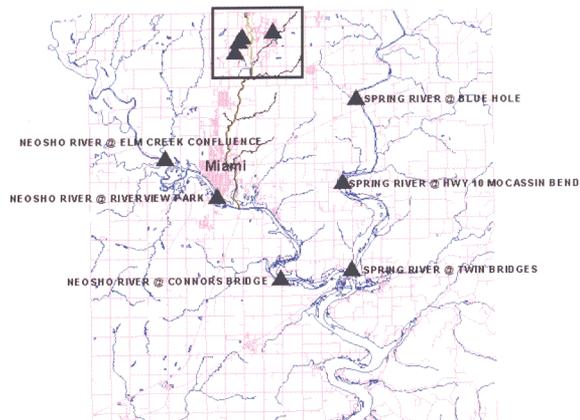
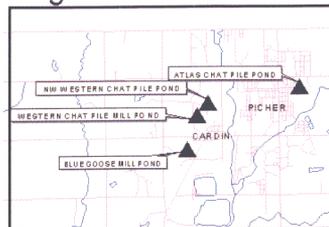
Paddle Fish

Non-Resident

Mill Ponds	Spring River	Neosho River	Grand Lake
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• Not sampled	• Unrestricted	• Unrestricted	• Unrestricted
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Tri-State Mining District Fish Tissue Study Area



Grand Lake Sampling Stations



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