### Des Moines River Water Quality Network

#### Report of Fish Kill

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<th>Week: 1416</th>
<th>Date: 6/23/2008</th>
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**Location:** Station 9

[Network station ID, river reach, nearest town/road/landmark, etc.]

**Severity:** moderate, ~250-300 fish over 100m of shoreline

None seen floating downstream

[Estimate of number killed; number floating past a certain point in a given period of time and number washed up on the banks. Minor <50, small 50-100, moderate 100-500 and large >500.]

**Fish Species:**
- Freshwater Drum 5-20” ½ of observed fish
- Channel Catfish 4-25” ¼ of observed fish
- Common Carp 10-25” a few
- White Bass 4-12” a few
- Bluegill 6-8” very few
- Bigmouth Buffalo 15-25” very few
- Largemouth Bass 6-8” very few
- Asian Carp (either silver or bighead, not sure due to decomposition) 3 fish 30”; 1 fish 15”

[Common name and size distribution]

**Climatic Conditions:**
- Air temp 80 F, Water temp 23.0 C, 50% cloud cover, recent extreme flooding

[Air and water temperature, cloud cover, ice cover, weather trends, etc.]

**Additional Comments:**

Fish appear to have been dead several days. Recent major flooding: flow at the time of the discovery of the fish kill was 54,700 cfs, but was near 100,000 cfs 8 days ago. Two tainter gates currently open. Water appears to have dropped approximately 0.5-1.0m.

[observations of possible pollution source, symptoms displayed by fish, observations of live fish or other aquatic species, ect.]

**PROBABLE CAUSE:**
- Gas supersaturation, but fish were too decomposed to observe external signs. Total gas pressure at the river surface was 134.9% (a new period of record maximum) while at the bottom it was 94.5%.

[Suspected reason for kill]