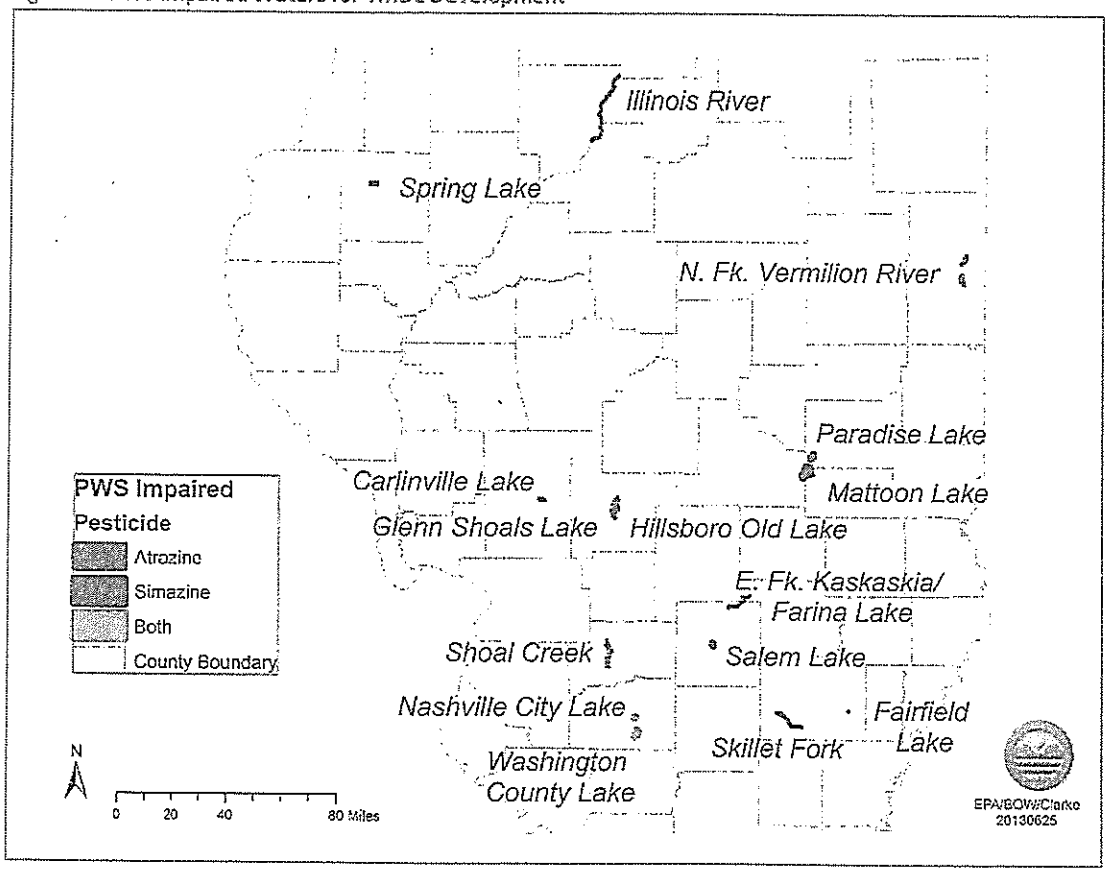
High Priority PWS Impaired Waters Requiring TMDLs

There are waters impaired for public water supply use due to atrazine and/or simazine. These waters are classified as high priority for TMDL development. The IEPA Planning Unit will develop atrazine and/or simazine TMDLs for waters that have previously approved watershed TMDLs for other parameters. Figure 1 displays all the waters for TMDL development. Information from the previous TMDL stage one report will be utilized for the TMDL reports. This information includes watershed characterization such as landuse and tillage information.

Figure 1. PWS Impaired Waters for TMDL Development



Lakes will have TMDLs developed using the loading capacity approach. The loading capacity analysis will be based on the lake capacity and the MCL of 3 ug/L for atrazine and 4 ug/L for simazine. Streams will have TMDLs developed using the loading curve approach. The loading curve analysis will be based on the flow information from the river and the MCL.

There are four stream segments impaired for atrazine and one for simazine. Four lakes are impaired for atrazine, five for simazine and two for both pesticides. Table 1 has information on the impairment and the size of the waterbody.

Table 1. PWS High Priority Waters for TMDL Development

Water Code	WATER NAME	Size	Unit	Impairment
IL_BPG-05	N. Fk. Vermilion River	10.2	Miles	Atrazine
IL_CA-05	Skillet Fork	11.08	Miles	Atrazine
IL_D-30	Illinois River	21.83	Miles	Atrazine
IL_OI-08	Shoal Creek	14.29	Miles	Atrazine
IL_OK-03	E. Fk. Kaskaskia River	8.76	Miles	Simazine
IL_RCF	Mattoon Lake	1010	Acres	Simazine
IL_RCG	Paradise Lake	176	Acres	Simazine
IL_RCZJ	Fairfield Lake	22	Acres	Atrazine
IL_RDG	Carlinville Lake	168	Acres	Atrazine
IL_RDR	Spring Lake	240.5	Acres	Atrazine
IL_RNM	Washington County Lake	248	Acres	Atrazine and Simazine
IL_ROL	Glenn Shoals Lake	1350	Acres	Atrazine
IL_ROO	Nashville City Lake	42	Acres	Atrazine and Simazine
IL_ROR	Salem Lake	74.2	Acres	Simazine
IL_ROT	Hillsboro Old Lake	108.7	Acres	Atrazine
IL_SOB	Farina Lake	4	Acres	Simazine

A public meeting will be held in the watershed. Below is the tentative schedule. A public notice will be send 30 days prior to the meeting. The public comment period will end thirty days after the meeting. A total of eighteen TMDLs (eleven atrazine and seven simazine) will be sent to USEPA for approval for the 2014 year. Refer to Table 2 for information on public notice, meeting and submittal dates.

Table 2. TMDL Public Notice, Meeting and Submittal Dates

Atrazine TMDL	Public Notice	Public Meeting	Submittal to USEPA
Spring Lake	July 2013	August 2013	October 2013
Hillsboro Old/ Glenn Shoals Lakes	July 2013	August 2013	October 2013
Carlinville Lake	August 2013	September 2013	November 2013
Salem Lake	August 2013	September 2013	November 2013
Mattoon/ Paradise Lakes	August 2013	September 2013	November 2013
Nashville/ Washington Co. Lakes	September 2013	October 2013	December 2013
Fairfield Lake	September 2013	October 2013	December 2013
North Fork Vermilion River	September 2013	October 2013	December 2013
E. Fk. Kaskaskia/ Farina Lake	October 2013	November 2013	January 2014
Shoal Creek	October 2013	November 2013	January 2014
Skillet Fork	November 2013	December 2013	February 2014
Illinois River	November 2013	December 2013	February 2014

For more information, contact Jennifer Clarke (Planning Unit) at 217-782-3362 or Jennifer.Clarke@Illinois.gov

Atrazine TMDL	Public Notice	Public Meeting	Meeting Place
Spring Lake	July 15, 2013	August 13, 2013	Macomb
Hillsboro Old/ Glenn Shoals Lakes	July 22, 2013	August 20, 2013	Hillsboro
Carlinville Lake	August 12, 2013	September 10, 2013	Carlinville
Salem Lake	August 19, 2013	September 17, 2013	Salem
Mattoon/ Paradise Lakes	August 26, 2013	September 24, 2013	Mattoon
Nashville/ Washington Co. Lakes	September 3, 2013	October 1, 2013	Nashville
Fairfield Lake	September 16, 2013	October 16, 2013	Fairfield
North Fork Vermilion River	September 23, 2013	October 22, 2013	Danville
E. Fk. Kaskaskia/ Farina Lake	October 4, 2013	November 5, 2013	Farina?
Shoal Creek	October 18, 2013	November 19, 2013	Breese
Skillet Fork	November 4, 2013	December 3, 2013	Wayne City
Illinois River	November 8, 2013	December 10, 2013	Peoria