



ALL SEASONS WATER USERS DISTRICT  
Regional Water System

Northwest Area Water Supply EIS  
Bureau of Reclamation, Dakota Area Office  
PO Box 1017  
Bismarck, ND 58502-1017

September 13, 2010

All Seasons Water Users District (ASWUD) System III provides water for rural users in the area west of the Souris River and south of Russell, south of Newberg, east of Mohall and east of Sherwood, individual hookups within the city of Newberg individual hookups within the city of Antler, with the northern border being the US and Canadian border. (See attached map for approximate System 3 Service area) The Water Treatment Plant is located 3 miles south of Antler and the original well field is located northwest of Antler (4 original wells) and the second well field is located northeast of Antler (2 wells installed in 1990).

Due to the drought conditions which started in 1987, ASWUD System 3 experienced a severe water shortage, after extensively test drilling in the Antler area two wells were drilled northeast of Antler. These wells are approximately 300 feet in depth and the water quality is considered to be poor. Since these wells were put into production the water level has continuously dropped. With the wet cycle over the past years the existing wells were able to be used to help increase the quality of the water and also helped to decrease the drop in the levels of the newer wells.

In the past several years the Antler area has gone from extremely wet to a dryer fall than we experienced in the late 1980's. In the spring of 2010, the water level in the 4 existing wells dropped low enough that we had to rely entirely on the two deep wells. The interim water supply that we will be receiving this fall from NAWS will provide an additional water supply to supplement our existing wells and hopefully avoid any water shortages in the near future.

**The completion of the NAWS Project would give ASWUD System 3 a reliable source of high quality water.**

All Seasons Water Users District (ASWUD) System I provides water for rural users in the area east of the Souris River and south of Willow City, east to Rolette County, individual hookups within the city of Kramer, individual hookups within the city of Landa, individual hookups within the city of Gardena, individual hookups within the city of Overly and Bulk Water Service to Upham, with the northern border being the US and Canadian border. (See attached map for approximate System 1 Service area)

In 1981 ASWUD located an additional water source northeast of Bottineau which required the construction of an iron / manganese removal plant. The water quality from the new water source and the existing source was still not high quality water. The water

level in the wells of the new source continuously dropped from the day they were put into production.

In 1993 ASWUD located a new water source west of Bottineau; the water from this source was a much higher quality of water.

In 2002 and 2003 the North Dakota State Water Commission conducted a study to determine the capacity of the City of Bottineau and ASWUD well fields, this joint study determined that the existing water sources for both the City of Bottineau and ASWUD were capable of meeting the current needs of each entity. ASWUD has added additional users and is supplying bulk water service to the City of Upham, which has expended the current water supply and does not allow for any additional expansion.

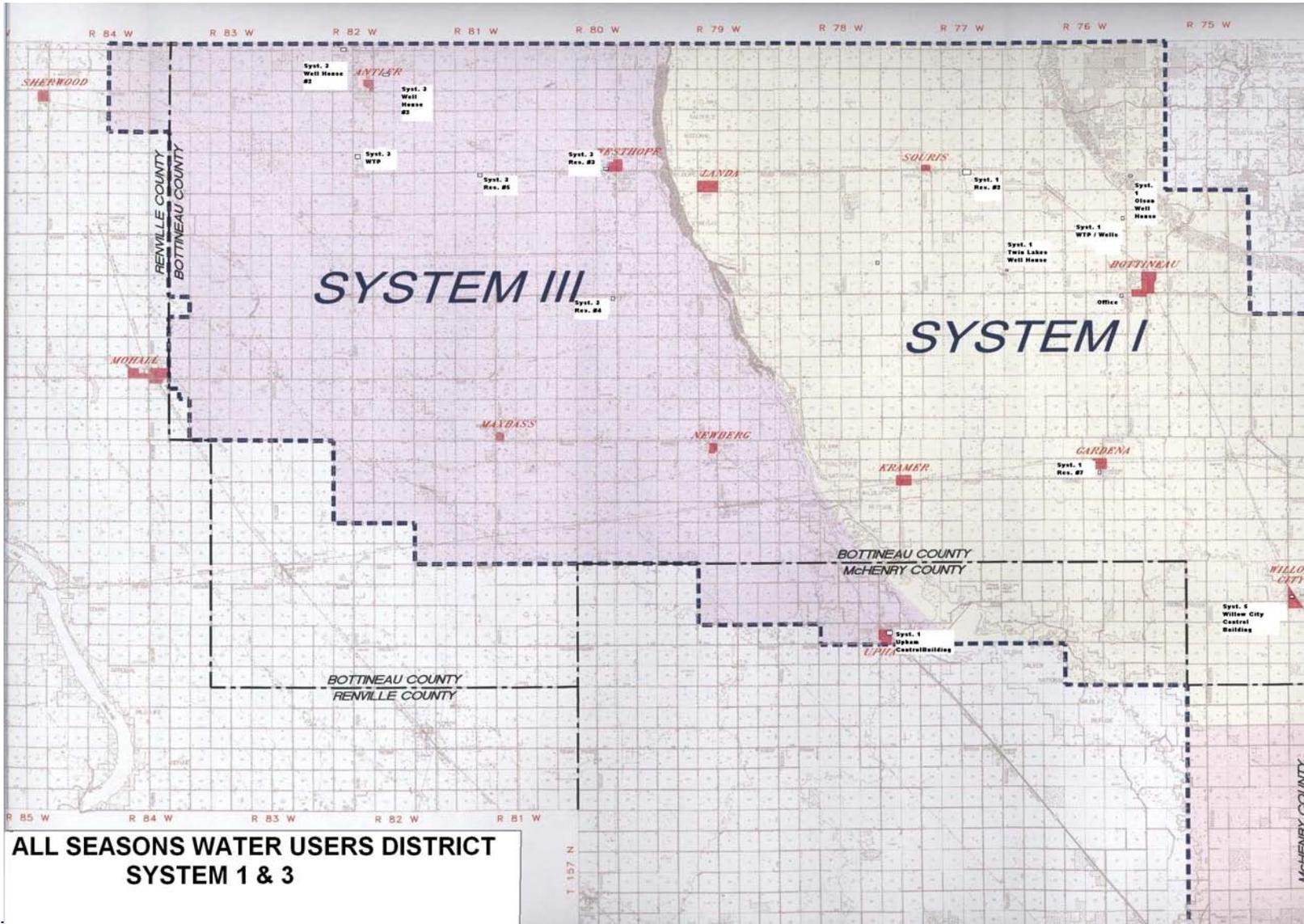
Since then Bottineau has constructed an iron / manganese removal plant to improve their quality problems, and are continuously testing to stay in compliance of the Radionuclide Rule (Goss Alpha Emitters). ASWUD and the City of Bottineau are continuing to work together, but NAWS still continues to be the most feasible option.

The completion of the NAWS pipeline to the Bottineau area is necessary to solve the **EMERGENCY SITUATION** in the Bottineau County and the surrounding areas.

**All Seasons Water Users District  
Board of Directors**

# ASWUD

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