

<b>Project Name:</b>	<b>Groundwater Model</b>
<b>Project Location</b>	<b>Baton Rouge, Louisiana</b>
<b>Project Completion Date:</b>	<b>August 1998</b>
<b>Project Duration:</b>	<b>6 months</b>
<b>Project Value:</b>	<b>\$50,000</b>
<b>Client Name:</b>	<b>Ethyl Corporation</b>
<b>Client Contact:</b>	<b>Mr. Gene Ponti</b>
<b>Client Phone Number:</b>	<b>(225) 359-2856</b>
<b>Technology Used:</b>	<b>Groundwater Flow and Constituent Modeling</b>

**Project Description:**

SEMS was contracted by the Ethyl Corporation to model the underlying water bearing zones and aquifers of the Baton Rouge, Louisiana facility.

SEMS developed prototype models for the 30-Foot, 60-Foot, 100-Foot, 120-Foot, and 190-Foot Zones using fifteen years of historical groundwater elevation and quality data.

SEMS developed a mathematical model for the 400-Foot and 600-Foot Aquifers. The model also included a mathematical model of the constituent flow as well as the groundwater flow.

All models were calibrated with actual data. The model for the 400-Foot and 600-Foot Aquifers has been used to establish groundwater pumping criteria from those aquifers.