

Figure 5-1  
GROUT ISOLATION AREAS FOR SOIL LEACHING SALTS TO CHCTS  
State of Louisiana and Vermilion Parish School Board v Louisiana Land and Exploration et al; Docket No. 82162, Div "D"; 15th JDC  
East White Lake Field, Vermilion Parish, LA

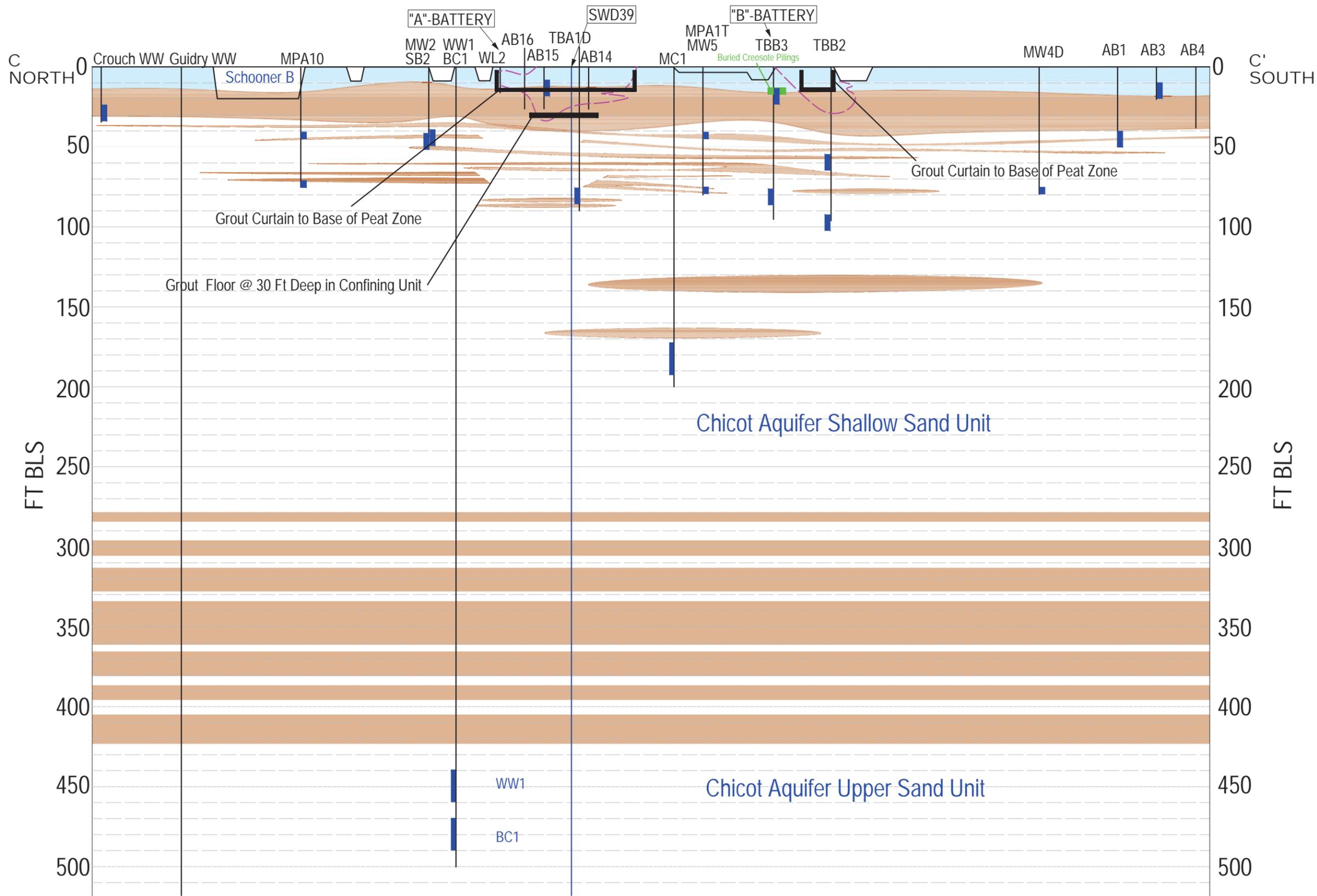
		Date:	Dec 2015
		Figure	5-1
File Name:	whitelake2009.dwg	Drawn By:	GWM
Project Number:	9077-041-0100		

**LEGEND**

Lithology

- Groundwater-Bearing Strata Sand to Silt
- Groundwater-Bearing Strata Clayey Silt and Peat
- Aquitard (Clay, Silty Clay)

Well Screen

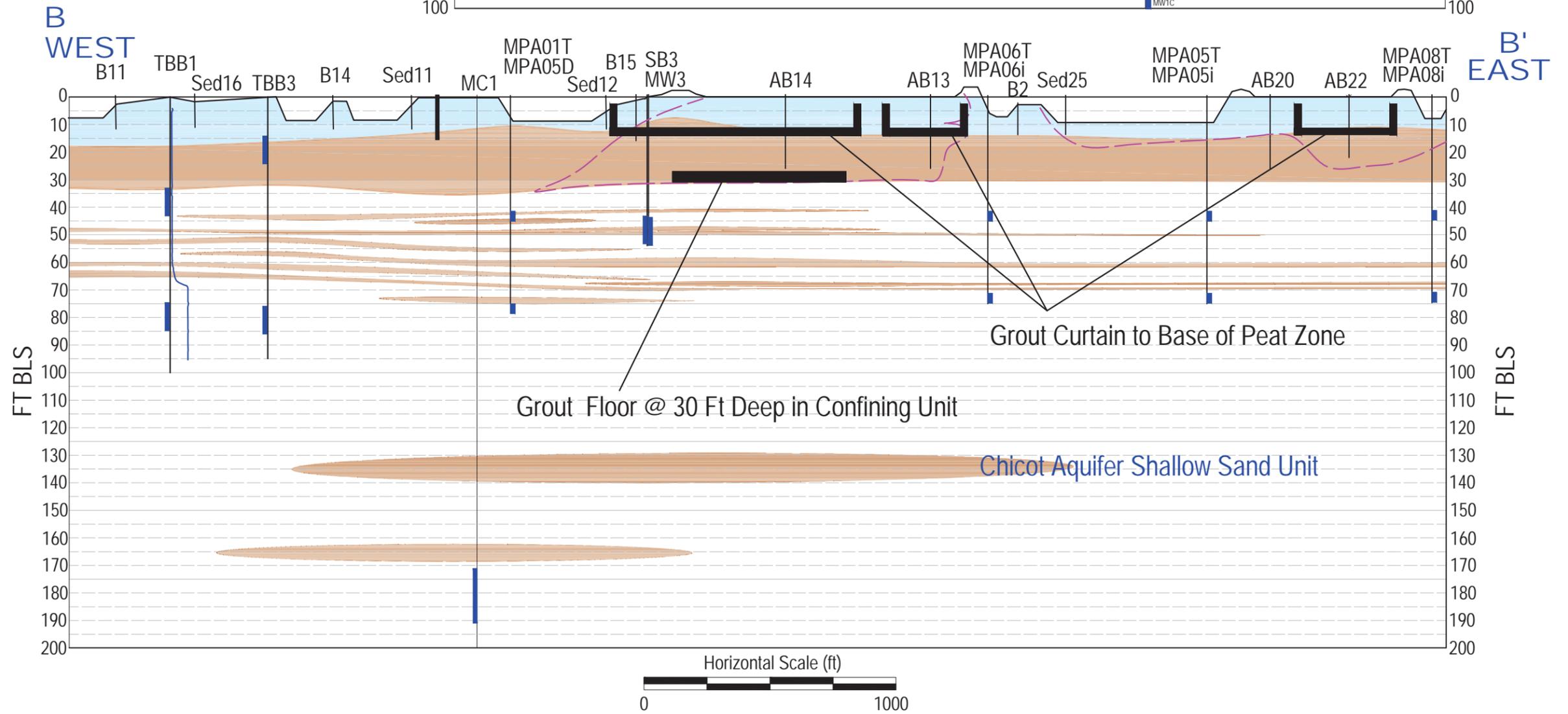
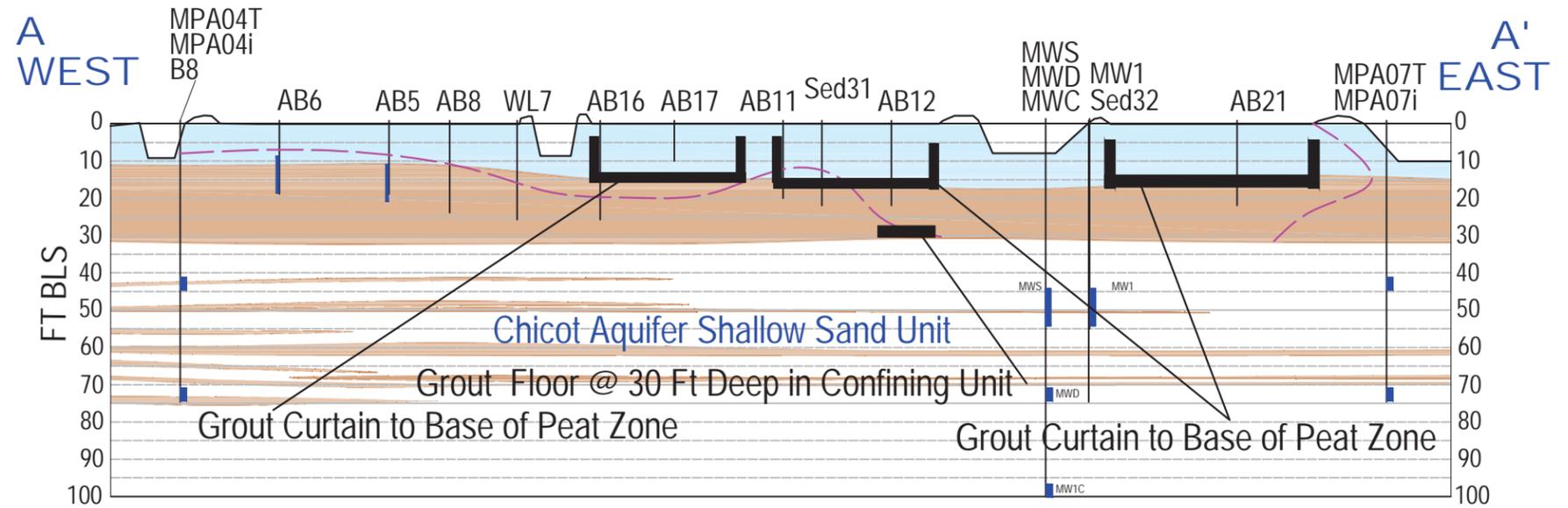
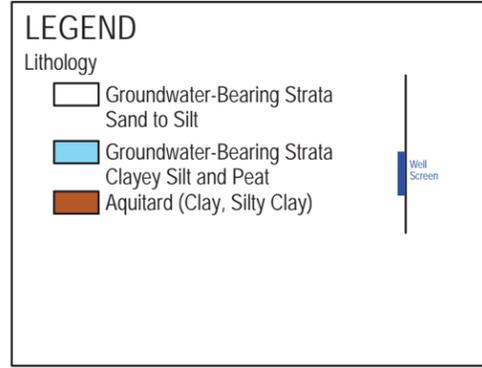


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GROUT ISOLATION WALLS AND FLOOR ON NORTH-SOUTH CROSS SECTION  
 State of Louisiana and Vermilion Parish School Board v Louisiana Land and Exploration et al; Docket No. 82162, Div "D"; 15th JDC  
 East White Lake Field, Vermilion Parish, LA

FILENAME WhitLake_XSec.dwg	REV #
JOB NO. 9130-004-0200	DATE DEC 2015
DIRECTORY Carmouche/VermParish/ELW	FIGURE NO. 5-2



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GROUT ISOLATION WALLS AND FLOOR ON EAST WEST CROSS SECTION DIAGRAM  
State of Louisiana and Vermilion Parish School Board v Louisiana Land and Exploration et al; Docket No. 82162, Div "D"; 15th JDC  
East White Lake Field, Vermilion Parish, LA

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JOB NO. 9130-004-0200	DATE DEC 2015
DIRECTORY Carmouche/VermParish/ELM	FIGURE NO. 5-3

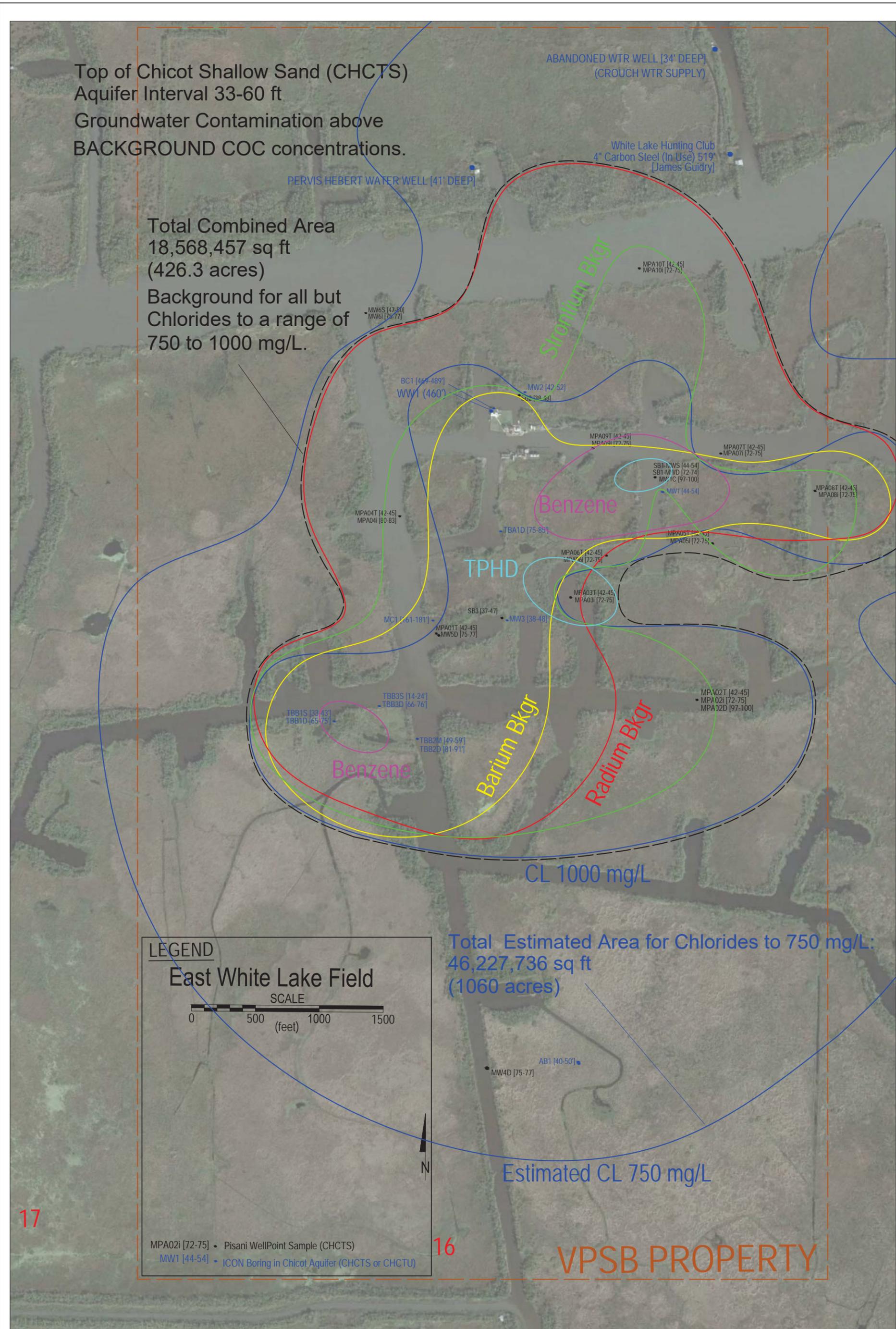


Figure 5-4  
GROUNDWATER CONTAMINATION ABOVE BACKGROUND IN CHCTS AT 33 TO 60 FEET  
State of Louisiana and Vermilion Parish School Board v Louisiana Land and Exploration et al; Docket No. 82162, Div "D"; 15th JDC  
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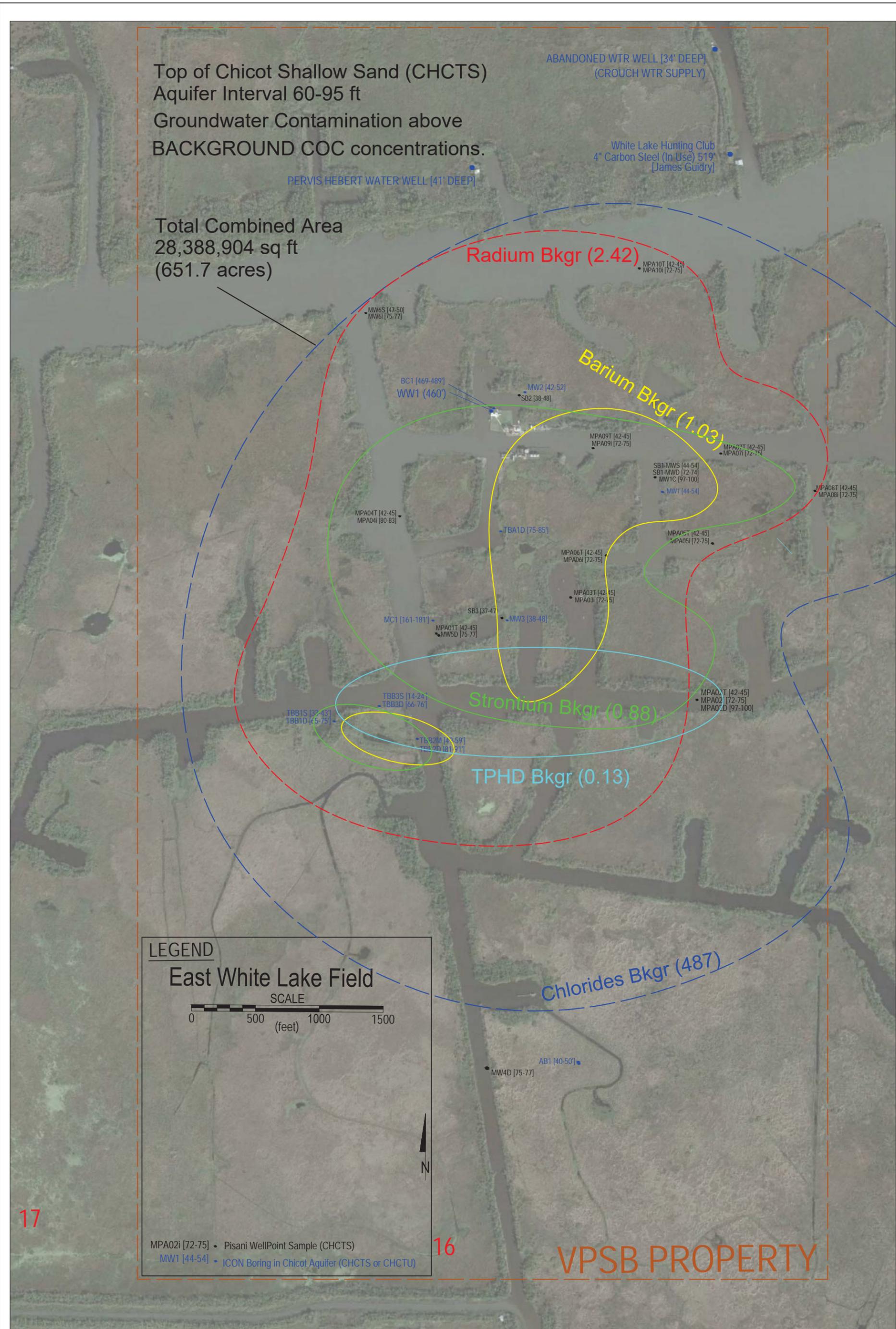


FIGURE 5-5  
GROUNDWATER CONTAMINATION ABOVE BACKGROUND IN CHCTS AT 60 TO 95 FEET  
State of Louisiana and Vermilion Parish School Board v Louisiana Land and Exploration et al; Docket No. 82162, Div "D"; 15th JDC  
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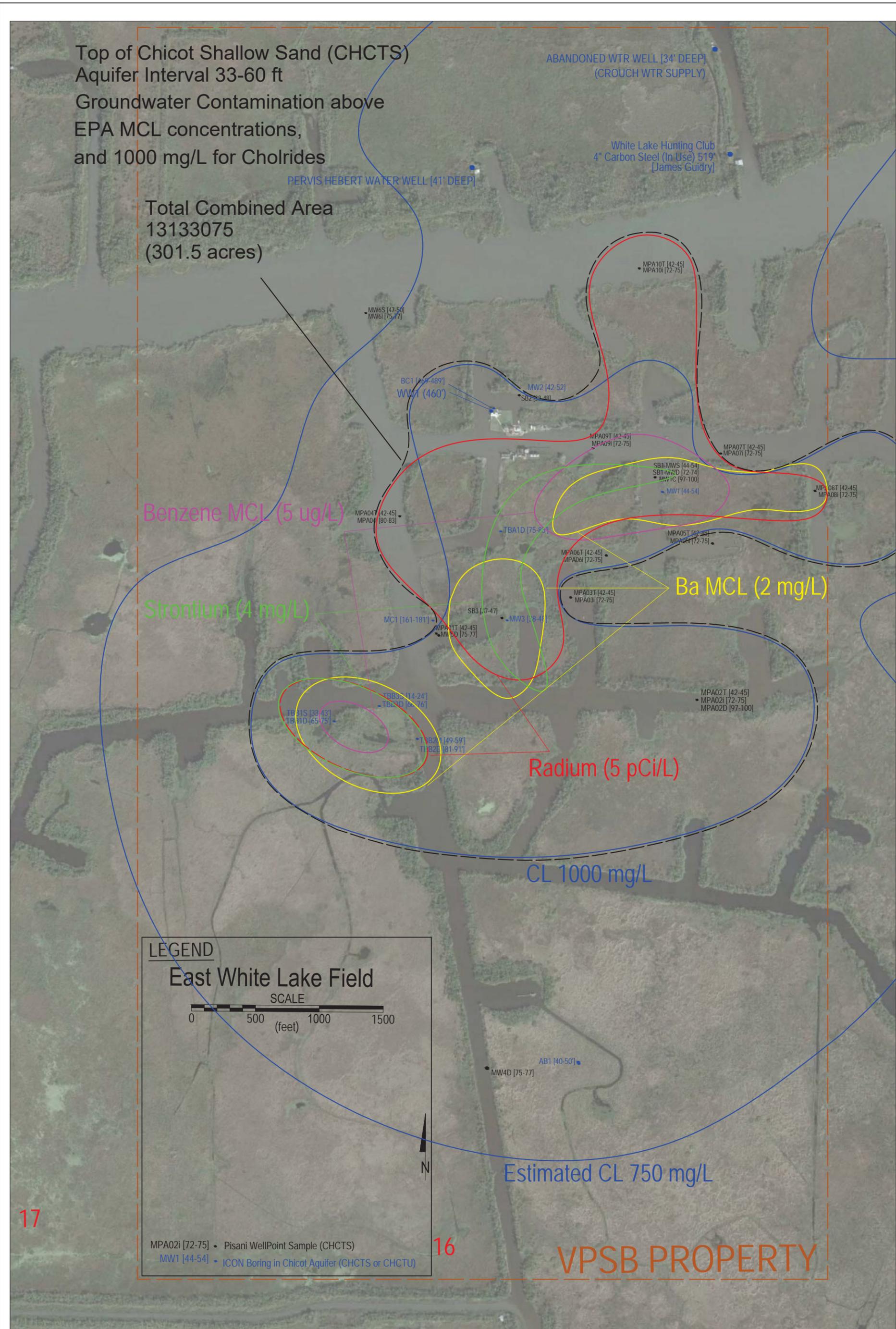


Figure 5-6  
GROUNDWATER CONTAMINATION 33-60 FEET OF CHCTS ABOVE DRINKING WATER STANDARDS AND CL TO 1000 PPM  
State of Louisiana and Vermilion Parish School Board v Louisiana Land and Exploration et al; Docket No. 82162, Div "D"; 15th JDC  
East White Lake Field, Vermilion Parish, LA

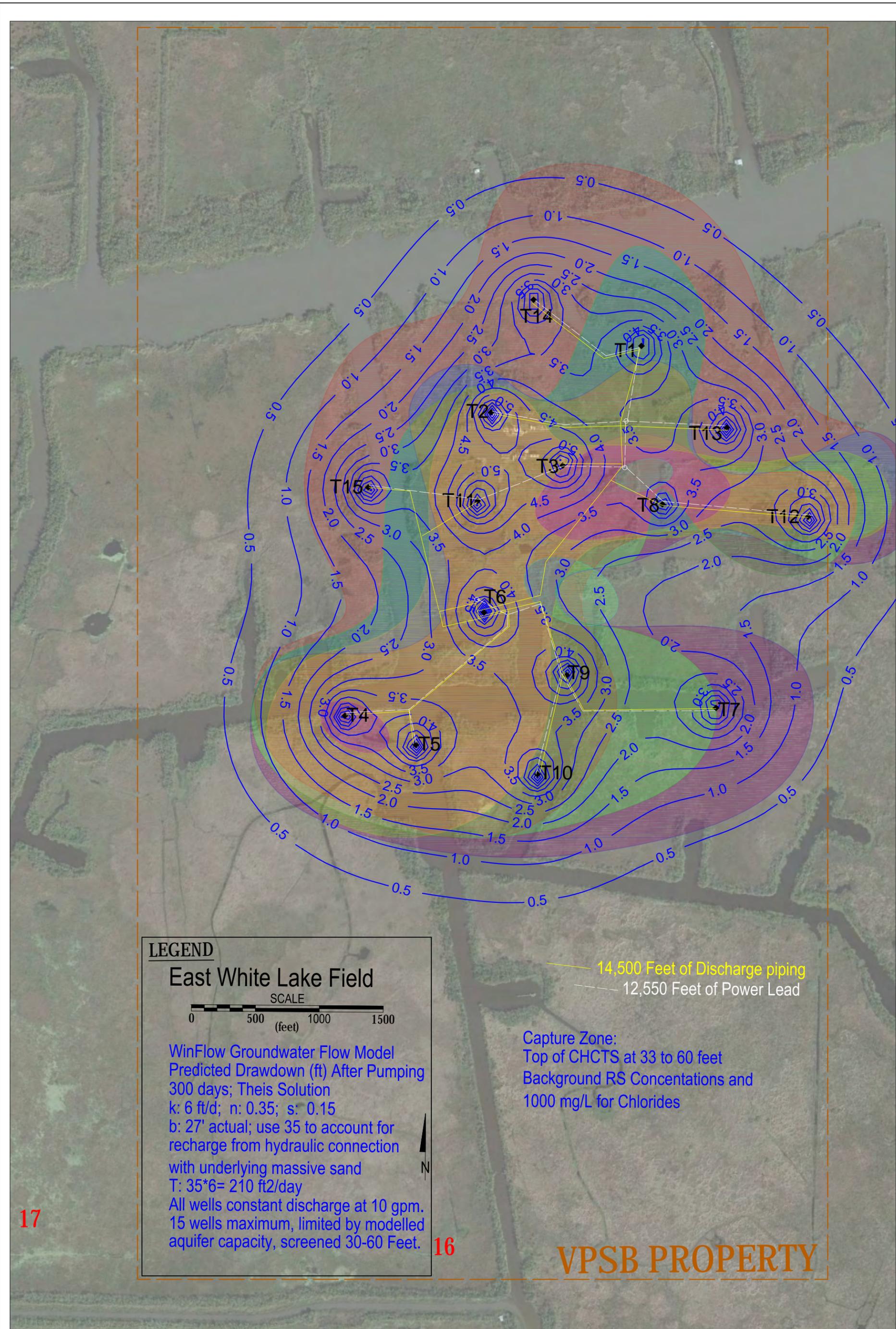
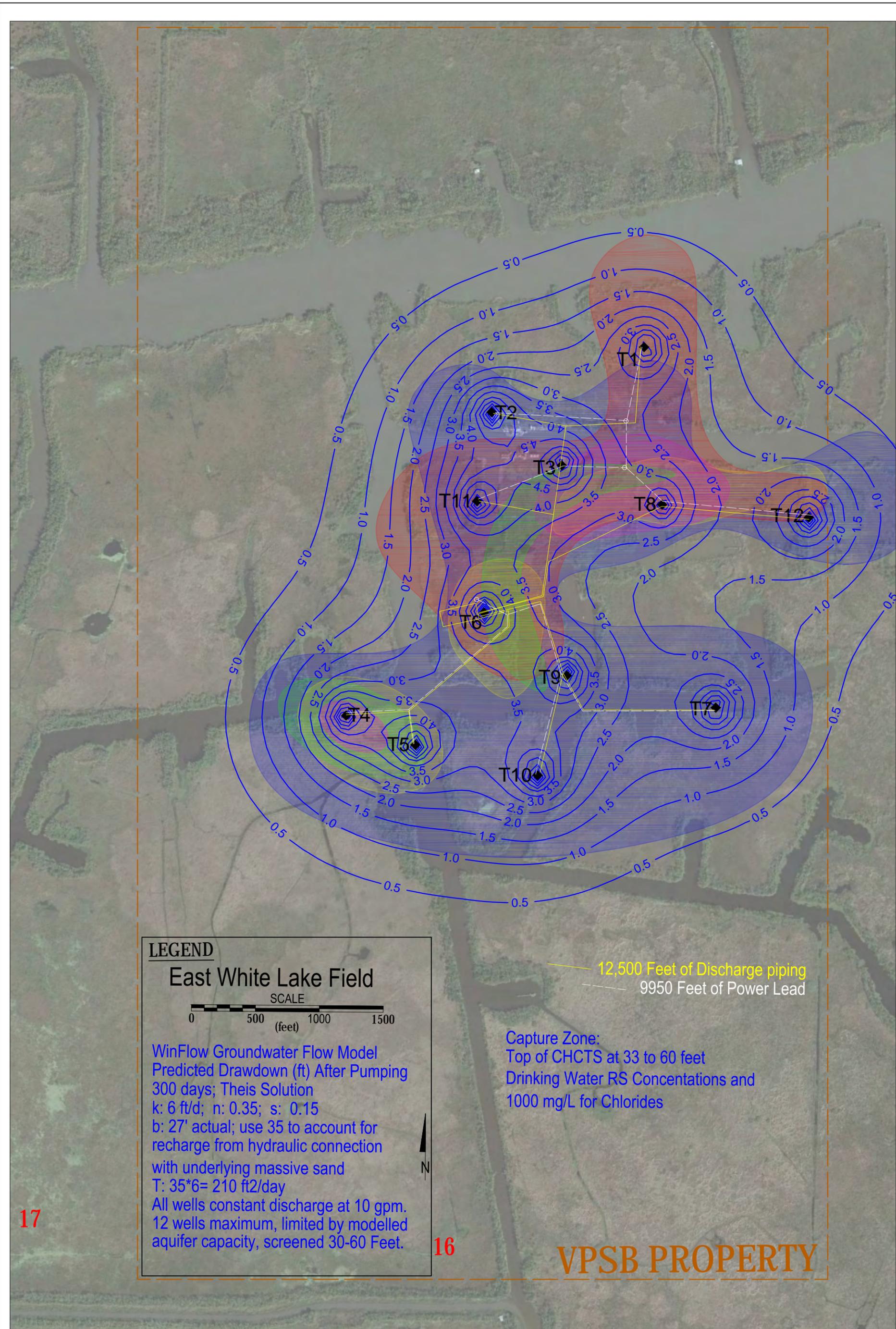


Figure 5-7  
RECOVERY WELLS AND MODELLED DRAWDOWN FOR CHCTS 33 TO 60 FEET TO BACKGROUND RS/CL TO 1000 PPM  
State of Louisiana and Vermilion Parish School Board v Louisiana Land and Exploration et al; Docket No. 82162, Div "D"; 15th JDC  
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**LEGEND**

**East White Lake Field**

SCALE  
0 500 1000 1500  
(feet)

WinFlow Groundwater Flow Model  
 Predicted Drawdown (ft) After Pumping  
 300 days; This Solution  
 k: 6 ft/d; n: 0.35; s: 0.15  
 b: 27' actual; use 35 to account for  
 recharge from hydraulic connection  
 with underlying massive sand  
 T: 35\*6= 210 ft<sup>2</sup>/day  
 All wells constant discharge at 10 gpm.  
 12 wells maximum, limited by modelled  
 aquifer capacity, screened 30-60 Feet.

12,500 Feet of Discharge piping  
 9950 Feet of Power Lead

Capture Zone:  
 Top of CHCTS at 33 to 60 feet  
 Drinking Water RS Concentrations and  
 1000 mg/L for Chlorides

**VPSB PROPERTY**

Figure 5-8  
 RECOVERY WELLS AND MODELLED DRAWDOWN FOR CHCTS 33 TO 60 FEET to MCL RS/CL TO 1000 PPM  
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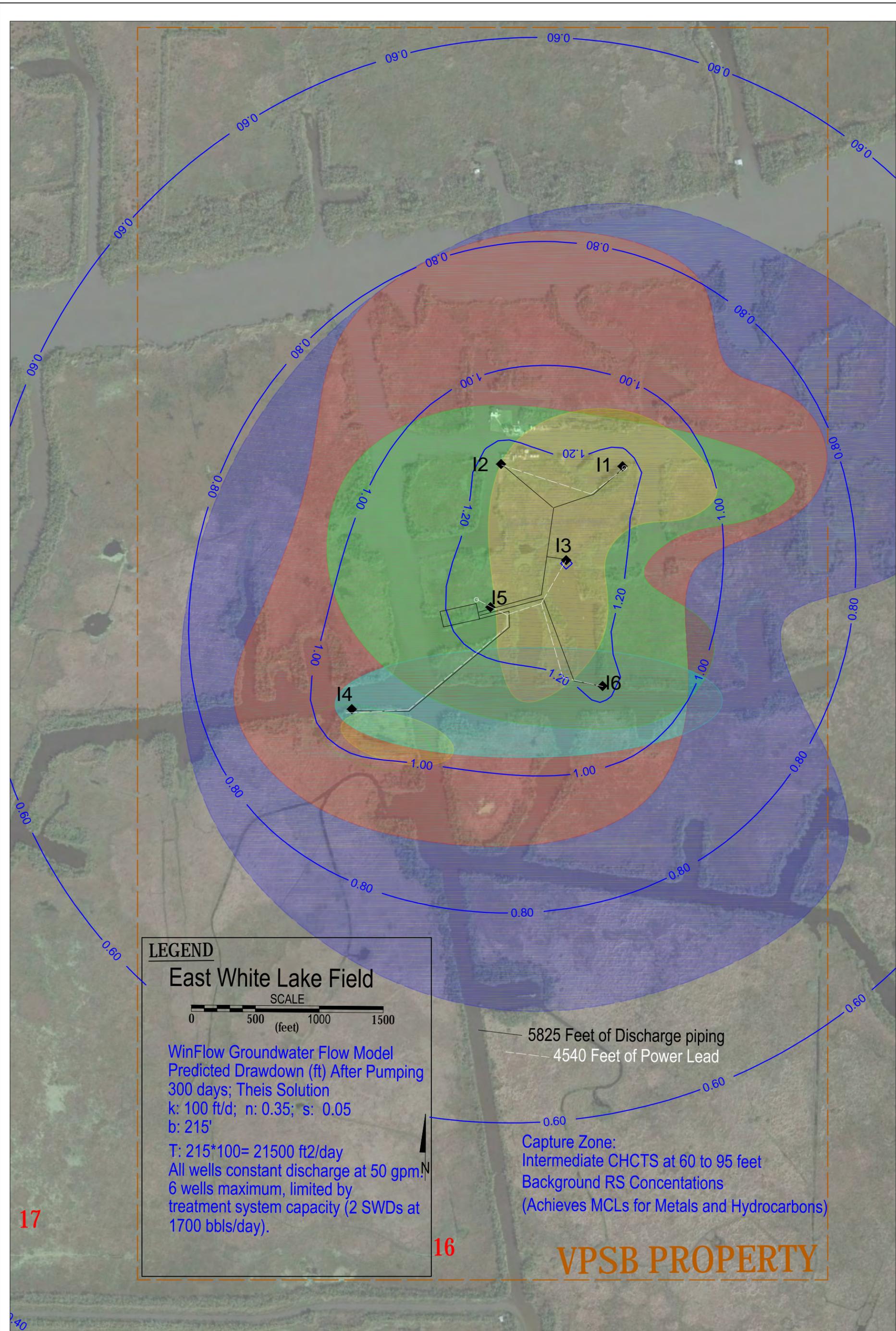


Figure 5-9  
RECOVERY WELLS AND MODELLED DRAWDOWN FOR CHCTS 60 TO 95 FEET TO BACKGROUND RS

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