Era	System	Series	Stratigraphic Units	Hydrogeologic Units	Selected Faunal Markers	Remarks
CENOZOIC	Quaternary	Holocene	Alluvium	Chicot aquifer		Quaternary System undifferentiated on sections.
		Pleistocene	Beaumont Clay			
			Montgomery Formation			
			Bentley Formation			
			Willis Sand			
	Tertiary	Pliocene	Goliad Sand	Evangeline aquifer	Gulf Coast Aquifer	Goliad Sand overlapped east of Lavaca County.
		Miocene	Fleming Formation	Burkeville confining system	*Potamides matsoni* *Bigenerina nodosaria var. directa* *Bigenerina humblei* *Amphistegina sp.*	
			Oakville Sandstone	Jasper aquifer		Oakville Sandstone included in Fleming Formation east of Washington County.
			Surface: Catahoula Tuff or Sandstone Subsurface: Upper part of Catahoula Tuff or Sandstone	Catahoula confining system (restricted)	*Discorbis nomada* *Discorbis gravelli* *Heterostegina sp.* *Marginulina idiomorpha*	Catahoula Tuff designated as Catahoula Sandstone east of Lavaca County.
			Anahuac Formation			Anahuac and "Frio" Formations may be Oligocene in age.
			"Frio" Formation		*Textularia mississippiensis*	
		Oligocene(?)	Surface: Frio Clay Subsurface: Vicksburg Group equivalent	Not discussed as hydrologic units in this report.	*Textularia warreni*	Frio Clay overlapped or not recognized on surface east of Live Oak County.
		Eocene	Jackson Group: Whitsett Formation: Fashing Clay Member			Indicated members of Whitsett Formation apply to south-central Texas. Whitsett Formation east of Karnes County may be, in part or in whole, Oligocene in age.
			Jackson Group: Whitsett Formation: Calliham Sandstone Member or Tordilla Sandstone Member			
			Jackson Group: Whitsett Formation: Dubose Member		*Marginulina cocoaensis*	
			Jackson Group: Whitsett Formation: Deweesville Sandstone Member			
			Jackson Group: Whitsett Formation: Conquista Clay Member		*Textularia hockleyensis* *Massilina pratti*	
			Jackson Group: Whitsett Formation: Dilworth Sandstone Member			
			Jackson Group: Manning Clay			
			Jackson Group: Wellborn Sandstone			
			Jackson Group: Caddell Formation		*Textularia dibollensis*	
			Claiborne Group: Yegua Formation		*Nonionella cockfieldensis* *Discorbis yeguaensis* *Eponides yeguaensis* *Ceratobulimina eximia*	
			Claiborne Group: Cook Mountain Formation			
			Claiborne Group: Sparta Sand			
			Claiborne Group: Weches Formation			
			Claiborne Group: Queen City Sand			
			Claiborne Group: Reklaw Formation			
			Claiborne Group: Carrizo Sand			
			Wilcox Group			
		Paleocene	Midway Group			

Source: Baker, E. T. Jr., 1979, Stratigraphic and Hydrogeologic Framework of Part of the Coastal Plain of Texas, Texas Department of Water Resources, Report 236, 43 pp.

FIGURE 6.2

Regional Hydrostratigraphic Framework for Texas Coastal Plain

Prepared For:

Uranium Energy Corp

DRAWN BY:	DATE:
Weegar-Eide & Associates, LLC	7/10/07
DRAWING NO: Fig 6-2.cdr	SCALE: No Scale

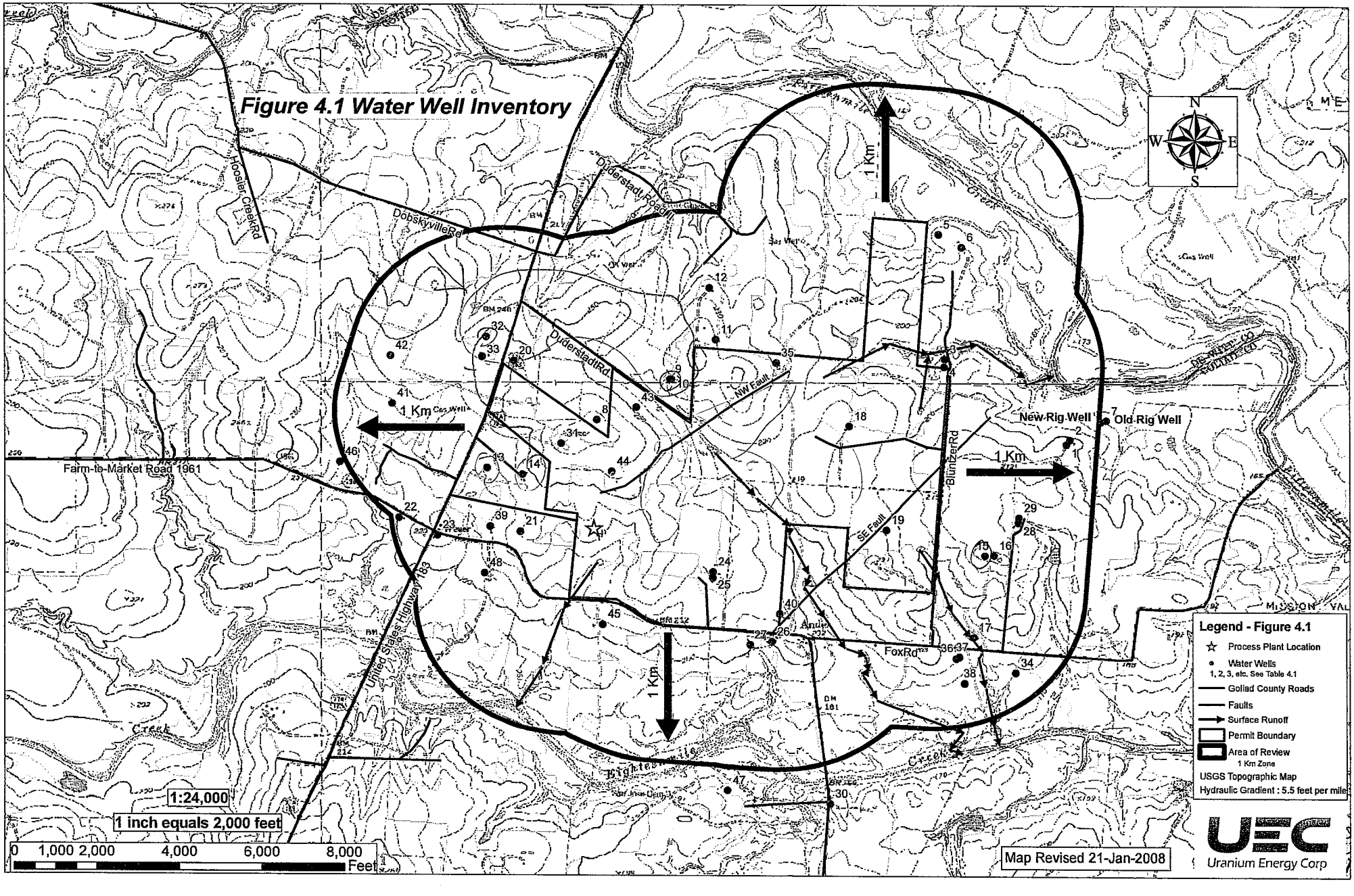
Figure 4.1 Water Well Inventory
N
S
E
W
1 Km
1 Km
1 Km
1 Km
New Rig Well
Old Rig Well
Farm-to-Market Road 1961
Hoosier Creek Rd
Dobskyville Rd
Duderstadt Rd
Duderstadt Rd
NW Fault
SE Fault
Blumzer Rd
Fox Rd
United States Highway 183
Legend - Figure 4.1
Process Plant Location
Water Wells
1, 2, 3, etc. See Table 4.1
Goliad County Roads
Faults
Surface Runoff
Permit Boundary
Area of Review
1 Km Zone
USGS Topographic Map
Hydraulic Gradient : 5.5 feet per mile
1:24,000
1 inch equals 2,000 feet
0 1,000 2,000 4,000 6,000 8,000
Feet
Map Revised 21-Jan-2008
UEC
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