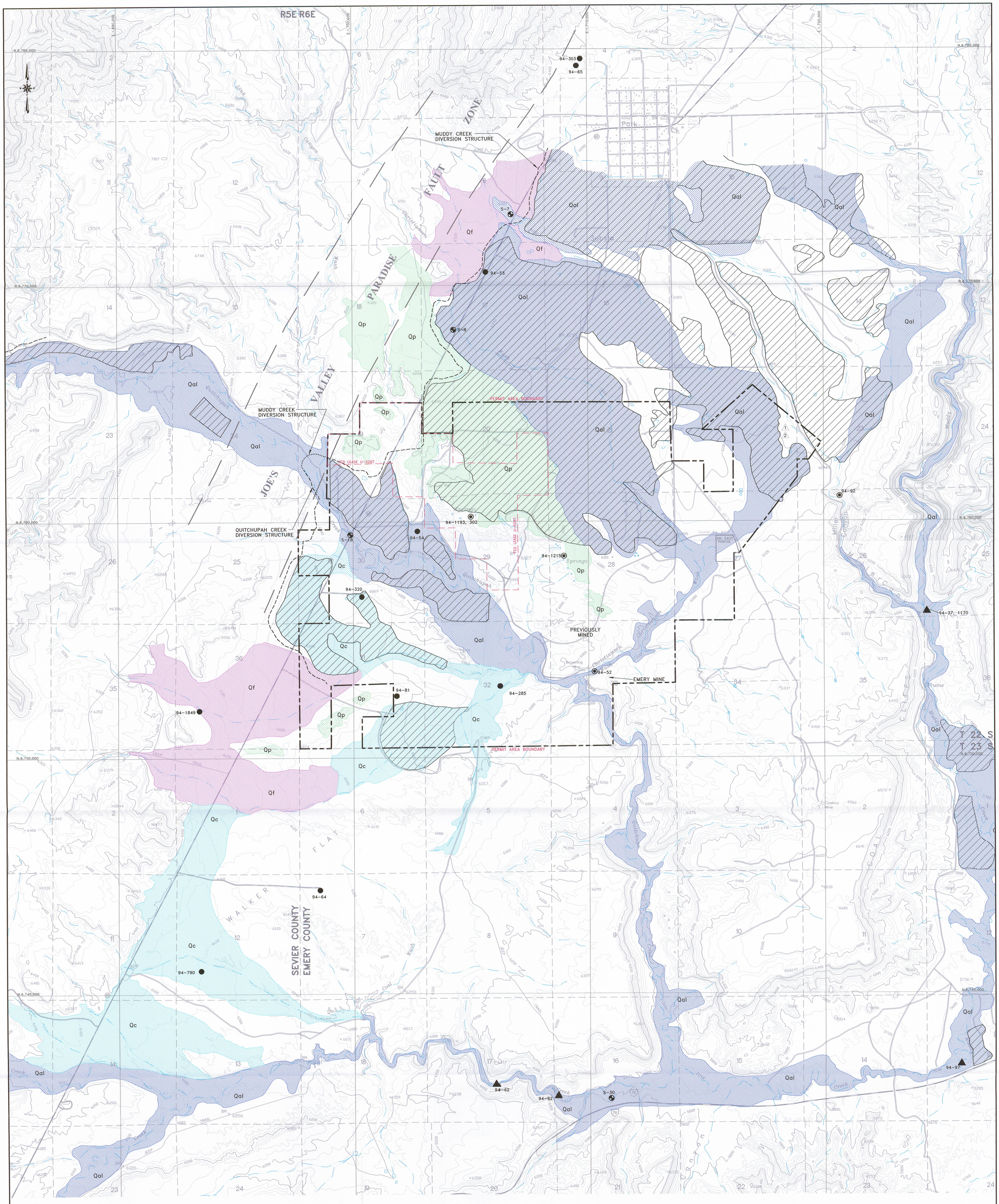

LEGEND

QUARTERNARY

Qal — ALLUVIAL DEPOSITS – clay, silt, sand and gravel to boulders; fluvial terraces, floodplain and steram deposits; light brown, unconsolidated, commonly well stratified and lenticular.

Qc — COLLUVIAL DEPOSITS – clay, silt, sand and some gravel; composed chiefly of debris from sheet erosion, deposits by unconcentrated runoff or slope wash, together with other mass movement accumulation and windblown deposits; mapped only where these deposits could be confused with alluvial deposits (Qal).

Qf — FAN DEPOSITS – clay, silt, sand, and gravel to boulders; low, outspread, relatively flat to gently sloping mass of unconsolidated alluvial material shaped like an open fan and deposited by a stream; mapped only where these deposits could be confused with alluvial deposits (Qal).

Qp — PEDIMENT DEPOSITS – sand to cobbles; poorly sorted, subrounded to rounded; pediment surface thins eastward.

FLOOD IRRIGATED AND SPECIALLY MANAGED AGRICULTURAL LAND

DIVERSION STRUCTURE

FAULT TRACE

WATER RIGHTS (WELLS)

WATER RIGHTS (SPRINGS)

WATER RIGHTS (STREAMS)

USGS SAMPLE SITE

RECEIVED
OCT 2 3 2006
DIV. OF OIL, GAS & MINING

FILE IN Expandable 10192006
Refer to Record No. 00386
in C0150015, 2006, Incoming
for additional information

REGISTERED PROFESSIONAL ENGINEER
No. 168246
RICHARD B. WHITE
STATE OF UTAH

EarthFax

BASE MAP:
U.S.G.S. 7.5 MINUTE QUADRANGLE'S. EMERY WEST 1968, EMERY EAST 1968, PHOTO REVISED 1978.
MESA BUTTE 1968, PHOTO REVISED 1978.
WALKER FLATE 1968, PHOTO REVISED 1978.

COORDINATE SYSTEM:
STATE PLANE COORDINATES.
NAD 83 CONUS
ZONE 4302-UTAH, CENTRAL – US FEET
VERTICAL DATUM – NAVD 88-US FEET

EXTERNAL REFERENCE:
G:\UC982\03\DWG\XREF-USGSMAP.DWG
G:\UC982\03\DWG\XREF-PERIMBOUND.DWG
G:\UC982\03\DWG\FAULTZONE.DWG

REVISIONS NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION
1	9/95	TDK	AMEND. PERMIT BOUNDARY TO EXCLUDE EXP. STATE LEASE				
2	6/30/05	JAG	ADDED FIRST NORTH I.B.C.				

0' 1200'
SCALE: 1" = 1200'
CONTOUR INTERVAL = 40'

DRAWN BY: SWF
CHECKED BY: JAG
ORIGINAL DATE: 8/90
RE-DRAWN DATE: 7/05
APPROVED BY: JAG
DWG DATA: G:\UC982\03\DWG\PLATE V1-6.DWG

EMERY MINE
EMERY COUNTY, UTAH
PERMIT NO.
ACT015/015

CONSOLIDATION COAL COMPANY
P.O. BOX 566
SESSER, IL 62884-0566

PLATE V1-6
GEOMORPHIC MAP