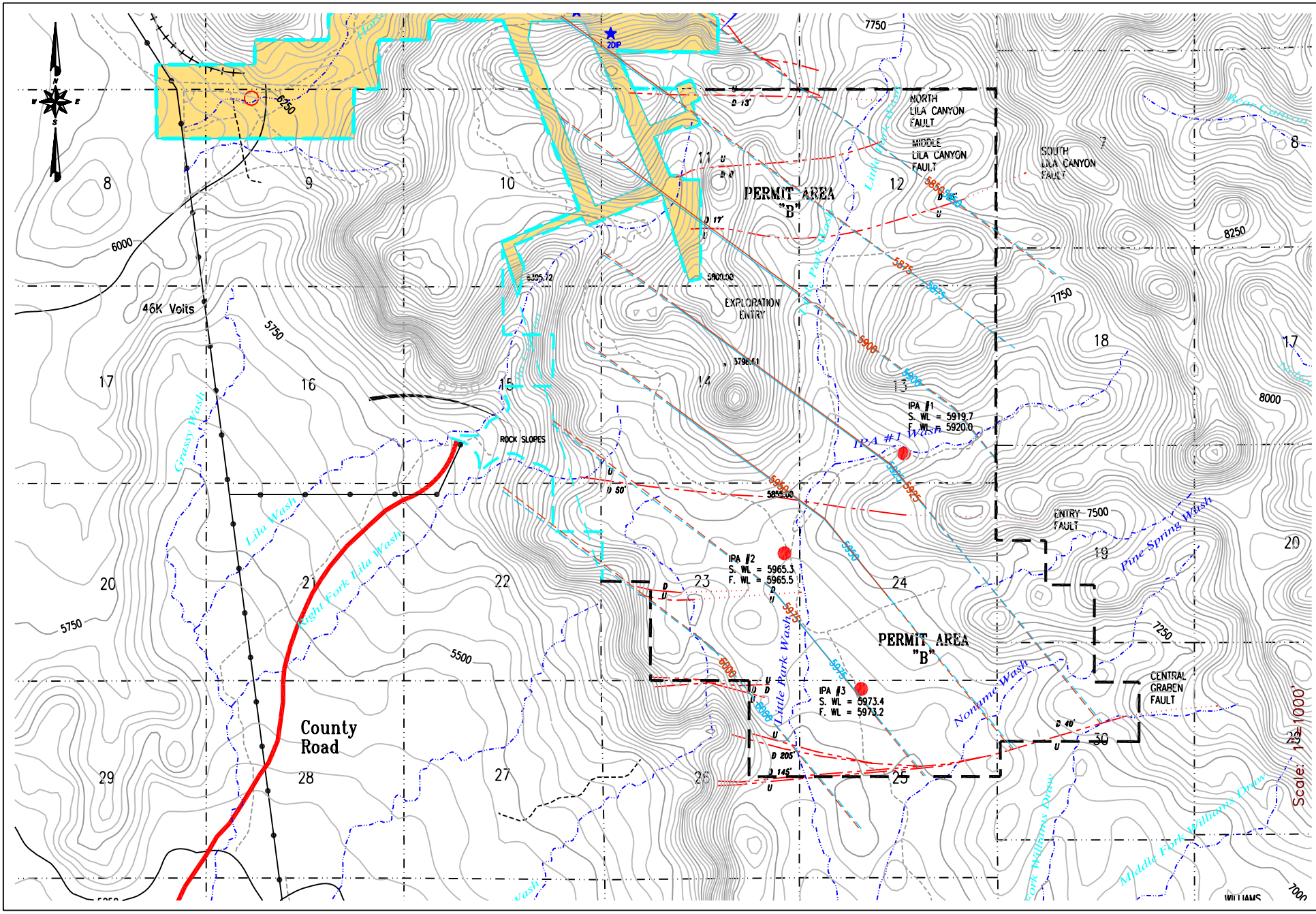
NAME.DWG PROJ DATE



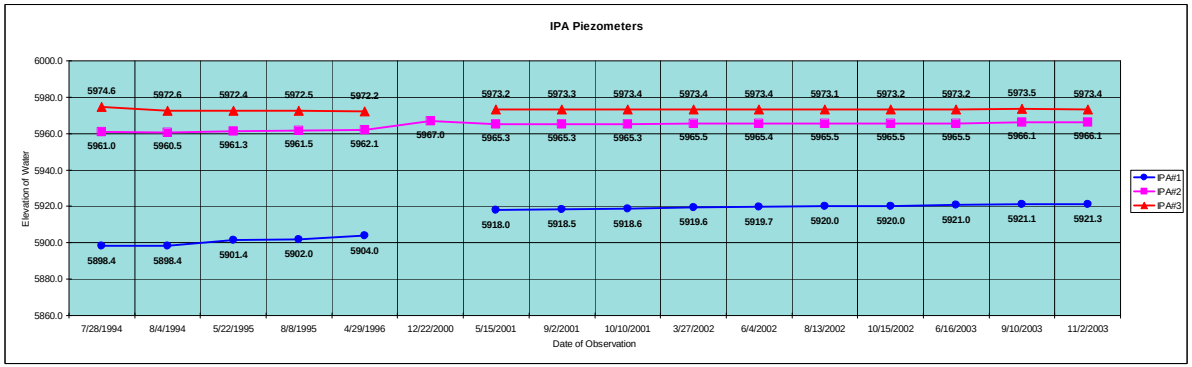
LILA CANYON MINE
Price, Utah

UtahAmerican
Price, Utah

FIGURE 7-2A WATER LEVEL MAP
SPRING AND FALL 2002

IPA Piezometers
Water Depths

			IPA#1			IPA#2			IPA#3	
Season	Date	Depth to Water	Top of Casing	Water Level	Depth to Water	Top of Casing	Water Level	Depth to Water	Top of Casing	Water Level
Summer	7/28/1994	1134.1	7032.5	5898.4	905.5	6866.5	5961.0	837.9	6812.5	5974.6
Summer	8/4/1994	1134.1	7032.5	5898.4	906.0	6866.5	5960.5	839.9	6812.5	5972.6
Spring	5/22/1995	1131.1	7032.5	5901.4	905.2	6866.5	5961.3	840.1	6812.5	5972.4
Summer	8/8/1995	1130.6	7032.5	5902.0	905.0	6866.5	5961.5	840.0	6812.5	5972.5
Spring	4/29/1996	1128.5	7032.5	5904.0	904.4	6866.5	5962.1	840.3	6812.5	5972.2
Winter	12/22/2000				899.5	6866.5	5967.0			
Spring	5/15/2001	1114.5	7032.5	5918.0	901.2	6866.5	5965.3	839.3	6812.5	5973.2
Fall	9/2/2001	1114.1	7032.5	5918.5	901.2	6866.5	5965.3	839.2	6812.5	5973.3
Fall	10/10/2001	1113.9	7032.5	5918.6	901.2	6866.5	5965.3	839.2	6812.5	5973.4
Spring	3/27/2002	1112.9	7032.5	5919.6	901.0	6866.5	5965.5	839.1	6812.5	5973.4
Summer	6/4/2002	1112.8	7032.5	5919.7	901.1	6866.5	5965.4	839.1	6812.5	5973.4
Summer	8/13/2002	1112.5	7032.5	5920.0	901.0	6866.5	5965.5	839.4	6812.5	5973.1
Fall	10/15/2002	1112.5	7032.5	5920.0	901.0	6866.5	5965.5	839.3	6812.5	5973.2
Spring	6/16/2003	1111.6	7032.5	5921.0	901.0	6866.5	5965.5	839.3	6812.5	5973.2
Summer	9/10/2003	1111.4	7032.5	5921.1	900.4	6866.5	5966.1	839.0	6812.5	5973.5
Fall	11/2/2003	1111.2	7032.5	5921.3	900.4	6866.5	5966.1	839.1	6812.5	5973.4



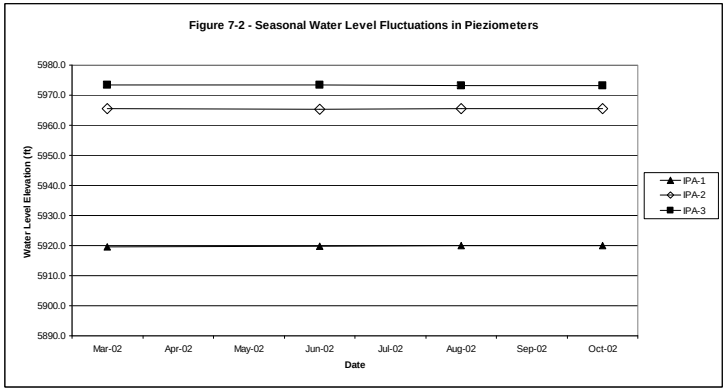


Figure 7-2B

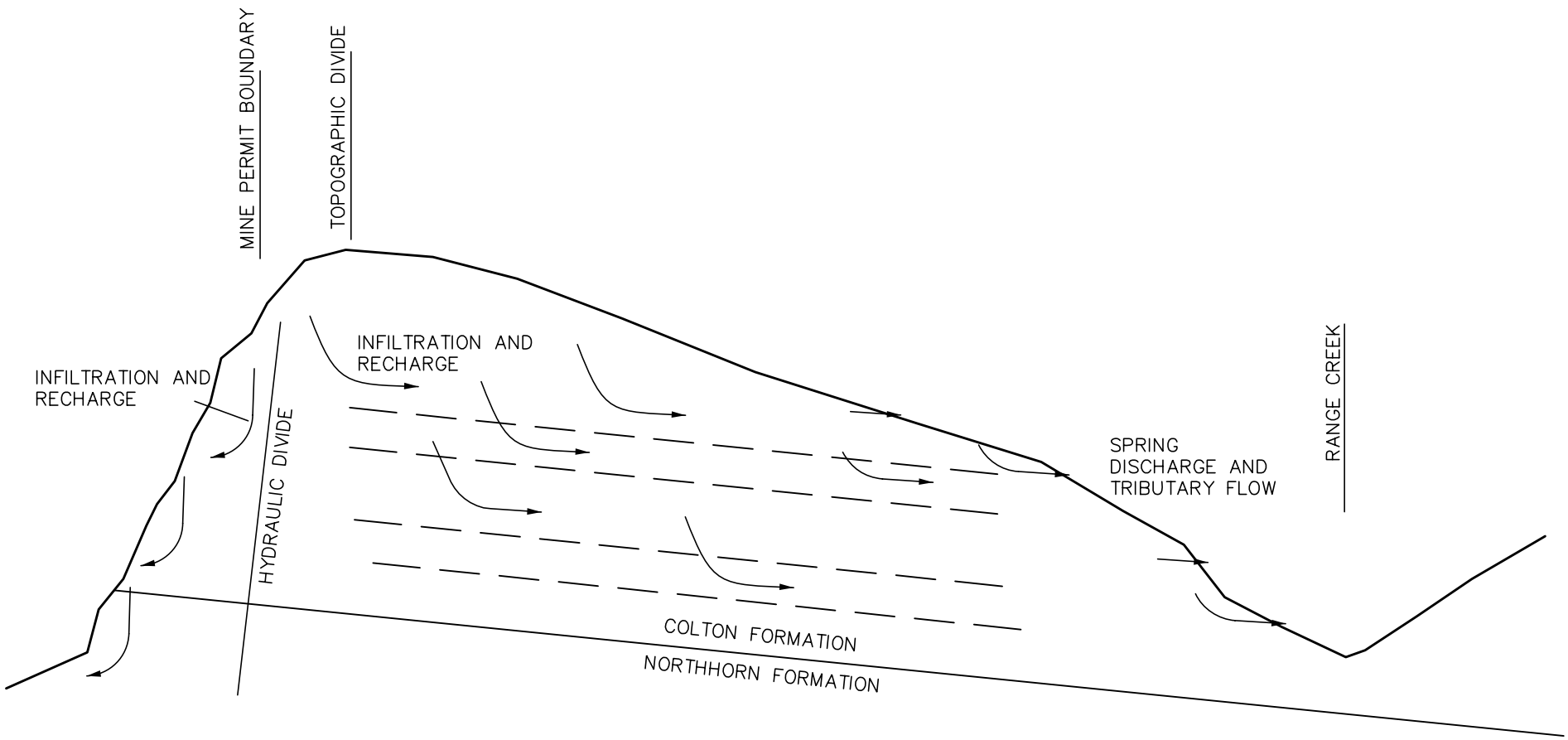
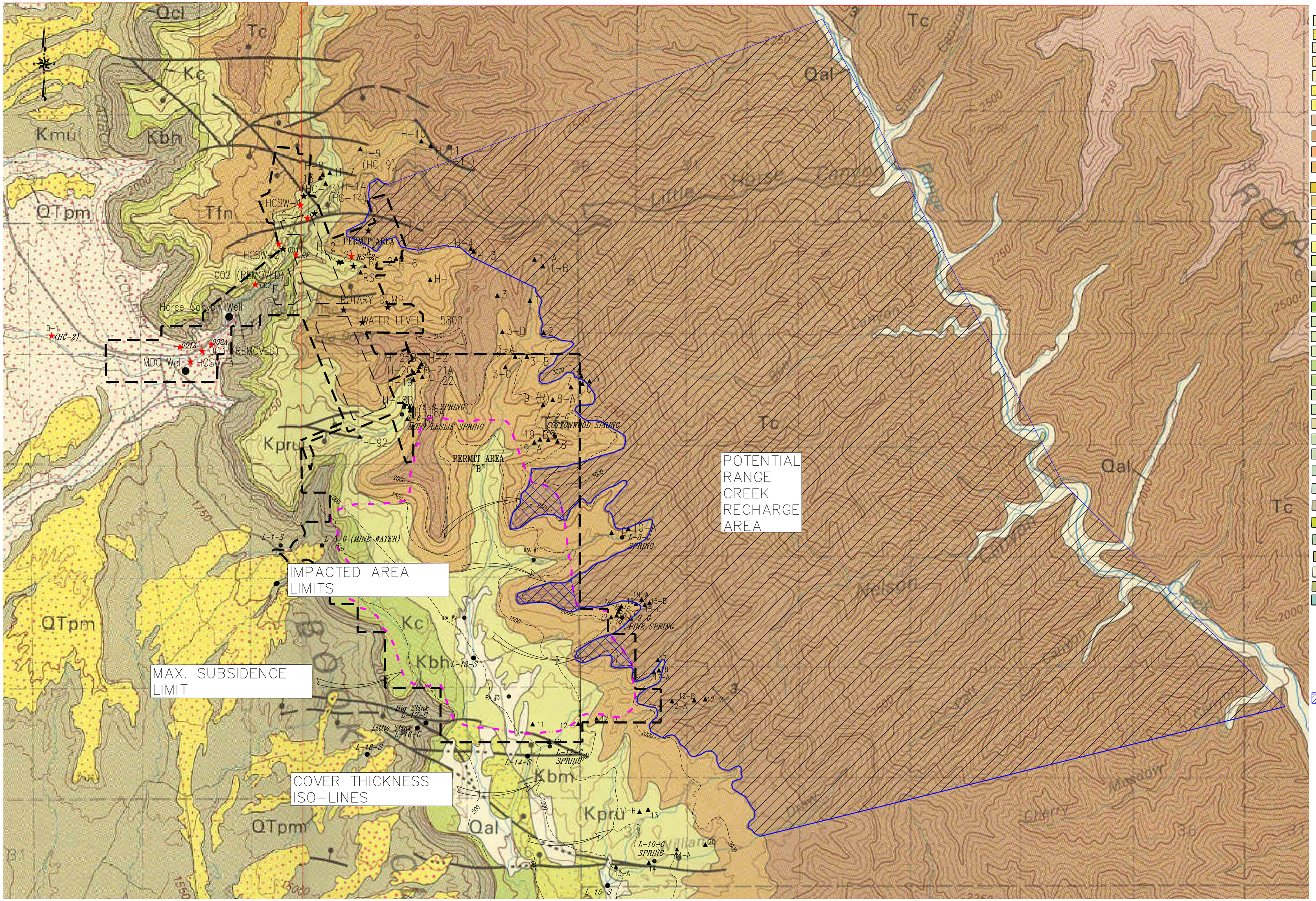


FIGURE 7–3. SPRING AND TRIBUTARY RECHARGE SCHEMATIC

FIG7–3.DWG UAE–01 1/2006



LEGEND

- Qal — Alluvium
- Qcl — Colluvium
- Qf — Alluvial fan deposit
- Qcf — Coalesced alluvial fan deposit
- Qsw — Slope wash
- QTpm — Pediment mantle
- Qt — Terrace deposit
- Tg — Green River Formation
- Tc — Colton Formation
- Tw — Wasatch Formation
- Tfn — Flagstaff Member of Green River Formation and North Horn Formation
- Kt — Tuscher Formation
- Kfn — Farrer and Neslen Formations
- Kmbb — Buck Tongue of Mancos Shale
- Kpru — Upper Part of Price River Formation
- Kbm — Bluecastle Sandstone Member
- Kc — Castlegate Sandstone
- Kbh — Blackhawk Formation and Star
- Kmub — Upper part of Blue Gate Member
- Kme — Emery Sandstone Member
- Kmeu — Upper sandstone unit
- Kmem — Middle shale unit
- Kmel — Lower sandstone unit
- Kmbg — Blue Gate Member
- Kmbg — Garley Canyon Sandstone Member
- Kmf — Ferron Sandstone Member
- Kmt — Tununk Member
- Kmu — Upper part of Mancos Shale, undivided
- Kmf — Ferron Sandstone Member
- Kmt — Tununk Member
- Jm — Morrison Formation
- Jmbb — Brushy Basin Member
- Jms — Salt Wash Sandstone Member
- Js — Summerville Formation
- Jcu — Curtis Formation
- Je — Entrada Sandstone
- Jc — Carmel Formation
- J Ŧn — Navajo Sandstone
- Ŧk — Kayenta Formation

WATER MONITORING OLD/CURRENT

- Horse Canyon Monitoring
- Underground Horse Canyon Monitoring
- Baseline Springs
- Lila Canyon Ground Water Monitoring
- Lila Canyon Surface Monitoring
- Major Recharge Area

UTAH REGISTERED PROFESSIONAL ENGINEER #152606 R. Jay Marshall

HYDROLOGIC DESIGN

0' 2000'
CONTOUR INTERVAL = 50'

BASE MAP:

REVISION'S	DATE	BY	DATE	BY

DRAWN BY: TJS | CHECKED BY: JM | DATE: 1/2006

APPROVED BY: JM | DWG DATA: UEI-01 FIGURE7-4.DWG

UTAHAMERICAN ENERGY INC.
LILA CANYON MINE
PRICE, UTAH

FIGURE 7-4
RANGE CREEK RECHARGE EVALUATION

SHEET 1 OF 1

Figure 7-5

General location of area believed to be water right #91-4648. The area void of vegetation in the center of the photo is shown as a pond on the USGS Lila Point Quad map. No stock ponds found in the general area.