



Associate Directorate for Environmental Management
P.O. Box 1663, MS M992
Los Alamos, New Mexico 87545
(505) 606-2337

Environmental Management
1900 Diamond Drive, MS M984
Los Alamos, New Mexico 87544
(505) 665-5658/FAX (505) 606-2132



Date: FEB 13 2017
Refer To: ADEM-17-0027
LAUR: 17-21036

Locates Action No.: n/a

John Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Drilling Work Plan for Groundwater Extraction Well CrEX-2

Dear Mr. Kieling:

Enclosed please find two hard copies with electronic files of the Drilling Work Plan for Groundwater Extraction Well CrEX-2.

If you have any questions, please contact Stephani Swickley at (505) 606-1628 (sfuller@lanl.gov) or Cheryl Rodriguez at (505) 665-5330 (cheryl.rodriguez@em.doe.gov).

Sincerely,

Sincerely,

Bruce Robinson, Program Director
Environmental Remediation Program
Los Alamos National Laboratory

David S. Rhodes, Director
Office of Quality and Regulatory Compliance
Environmental Management
Los Alamos Field Office



BR/DR/SS:sm

Enclosures: Two hard copies with electronic files – Drilling Work Plan for Groundwater Extraction Well CrEX-2 (EP2017-0029)

Cy: (w/enc.)
Cheryl Rodriguez, DOE-EM-LA
Stephani Swickley, ADEM ER Program

Cy: (w/electronic enc.)
Laurie King, EPA Region 6, Dallas, TX
Raymond Martinez, San Ildefonso Pueblo
Dino Chavarria, Santa Clara Pueblo
Steve Yanicak, NMED-DOE-OB, MS M894
emla.docs@em.doe.gov
Steve White, ADEM ER Project (w/ MS Word files on CD)
Public Reading Room (EPRR)
ADESH Records
PRS Database

Cy: (w/o enc./date-stamped letter emailed)
lasomailbox@nnsa.doe.gov
Peter Maggiore, DOE-NA-LA
Kimberly Davis Lebak, DOE-NA-LA
David Rhodes, DOE-EM-LA
Bruce Robinson, ADEM ER Program
Randy Erickson, ADEM
Jocelyn Buckley, ADESH-EPC-CP
Mike Saladen, ADESH-EPC-CP
John Bretzke, ADESH-EPC-DO
Michael Brandt, ADESH
William Mairson, PADOPS
Craig Leasure, PADOPS

Figure 1 **Proposed location for extraction well CrEX-2**

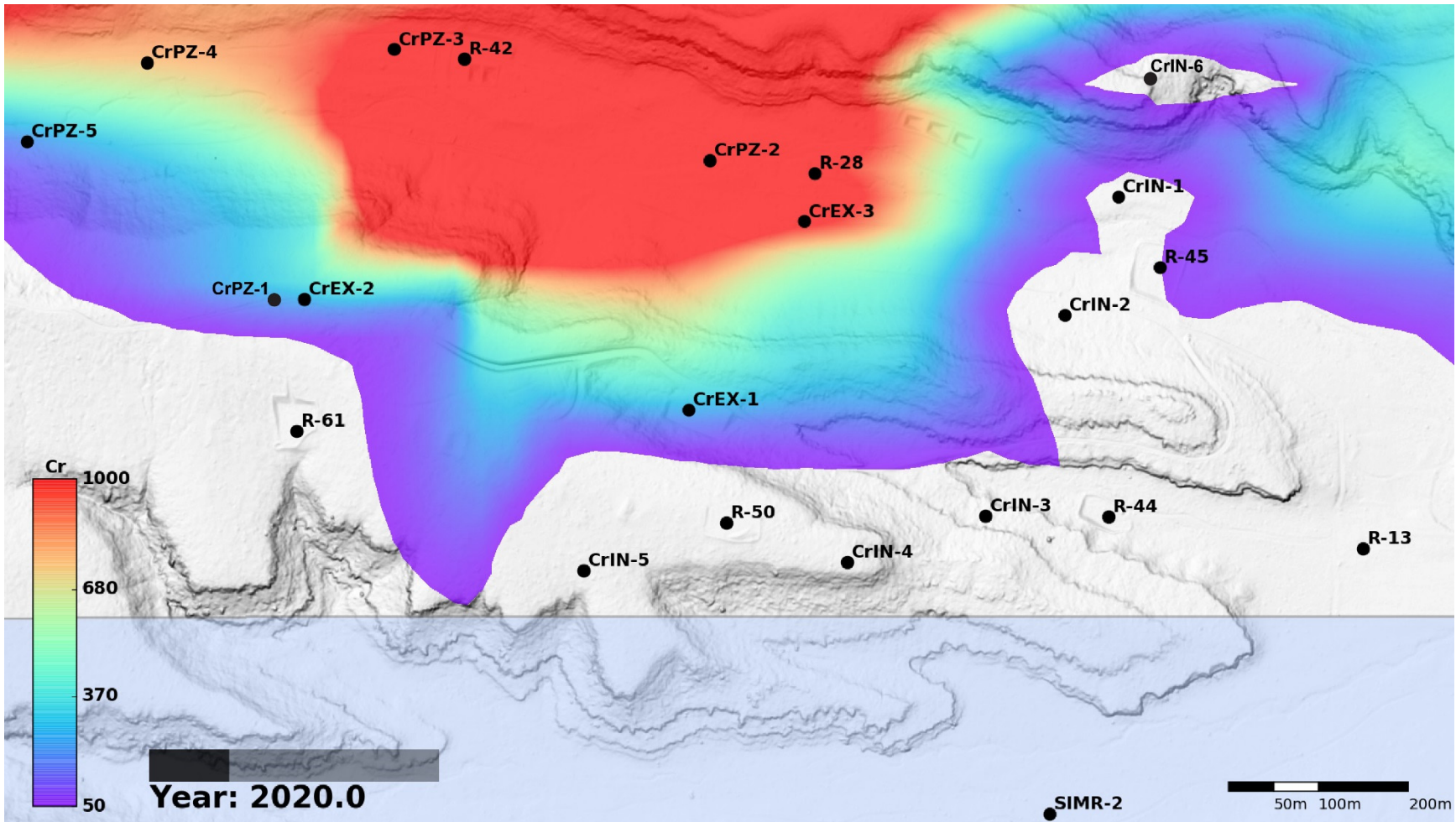


Figure 2 Modeled plume response after 3 yr of continuous extraction and injection. This model includes pumping at the following extraction wells: CrEX-1 (80 gpm), CrEX-3 (55 gpm), and CrEX-2 (80 gpm). Injection is occurring at the following injection wells: CrIN-1 (35 gpm), CrIN-2 (35 gpm), CrIN-3 (20 gpm), CrIN-4 (45 gpm), CrIN-5 (45 gpm), and CrIN-6 (35 gpm).

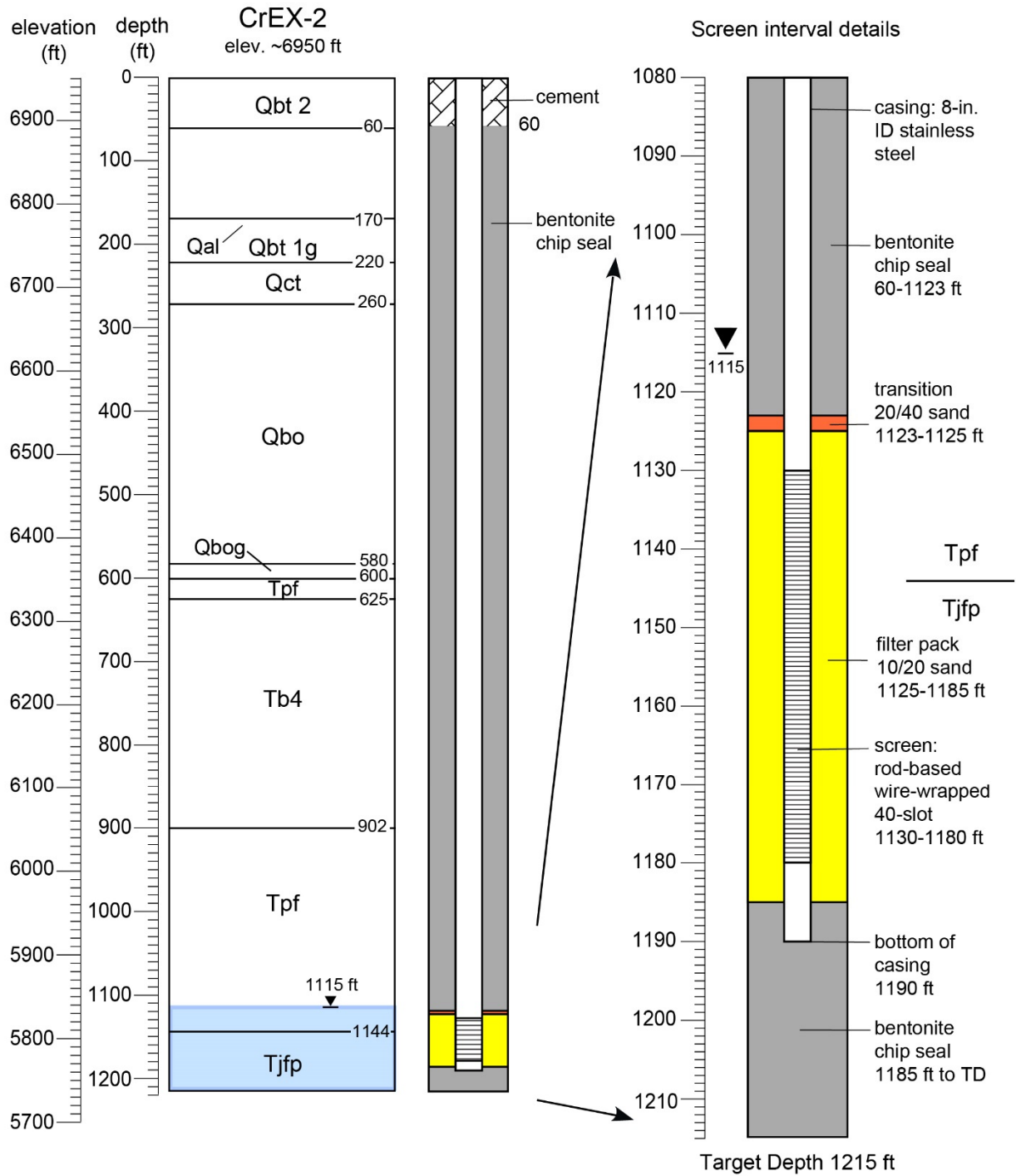


Figure 3 Predicted geology and preliminary well design for well CrEX-2

