

BASELINE DATA REPORT

JANUARY 2011
Revision 1

Submitted To:

New Mexico Mining and Minerals Division
&
U.S. Forest Service (Cibola National Forest)
&
New Mexico Environment Department

Prepared by:

Roca Honda Resources, LLC
4001 Office Court, Suite 102, Santa Fe, NM 87507

Contents

Acronyms and Abbreviations

Section 1.0 Introduction

Section 2.0 Climatology and Air Quality

Section 3.0 Topography

Section 4.0 Vegetation

Section 5.0 Wildlife

Section 6.0 Topsoil

Section 7.0 Geology

Section 8.0 Surface Water

Section 9.0 Groundwater

Section 10.0 Prior Mining Operations

Section 11.0 Historic Places and Cultural Properties

Section 12.0 Present and Historic Land Use

Section 13.0 Radiological Survey

Acronyms and Abbreviations

ac-ft/yr	acre-foot per year
AOU	American Ornithologists' Union
BDR	Baseline Data Report
BIA	U.S. Department of the Interior, Bureau of Indian Affairs
BLM	U.S. Department of the Interior, Bureau of Land Management
CAS	Chemical Abstract Services
CFR	U.S. Code of Federal Regulations
cfs	cubic feet per second
cfu	colony forming units
cm	centimeter
COOP	Cooperative Observer Program
Cpm	counts per minute
CPRC	Cultural Properties Review Committee
FEMA	Federal Emergency Management Agency
ft	foot (feet)
ft/yr	feet per year
GIS	Global Information Systems
GMRC	Gulf Mineral Resources Company
gpm	gallons per minute
GPS	global positioning system
ha	hectare
HRI	Hydro Resources, Inc.
ID	identification
IT IS	Integrated Taxonomic Information System
LAI	Leaf Area Index
LMASI	Lone Mountain Archaeological Services, Inc.
m	meter(s)
mL	milliliter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MIS	Management Indicator Species
mm	millimeter
mR	millirems
msl	mean sea level
NAD	North American Datum
NAIP	National Agricultural Imaging Program
NEPA	National Environmental Policy Act
NMAC	New Mexico Administrative Code
NMDGF	New Mexico Department of Game and Fish
NMED	New Mexico Environment Department
NMEI	New Mexico Environmental Institute

NM MMD	New Mexico Mining and Minerals Division
NMOS	New Mexico Ornithological Society
NMOSE	New Mexico Office of the State Engineer
NMRPTC	New Mexico Rare Plant Technical Council
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
PVC	Polyvinyl chloride
PWI	Permits West, Inc.
RASA	Regional Aquifer System Analysis program
RGRC	Rio Grande Resources Corporation
RGWSP	regional quarterly ground water sampling program
RHR	Roca Honda Resources, LLC
SAP	Sampling and Analysis Plan
SMC	San Mateo Creek
SOC	Species of concern
SWQB	Surface Water Quality Bureau
TCP	Traditional Cultural Property
TDS	total dissolved solids
TSP	total suspended particulate
UAA	use attainability analysis
USDA	U.S. Department of Agriculture
USDI	U.S. Department of Interior
USEPA	U.S. Environmental Protection Agency
USFS	U.S. Forest Service
USFSH	U.S. Forest Service Handbook
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
USNRC	U.S. Nuclear Regulatory Commission
UTM	Universal Transverse Mercator
WRCC	Western Regional Climate Center
µg/L	micrograms per liter
µmhos	micromhos
µrem/h	microrem per hour