

DAUB & ASSOCIATES, INC.



1985 ½ SOUTH BROADWAY  
GRAND JUNCTION, CO 81507-9649  
(970) 254-1224  
FAX (970) 242-8438  
email: [gjdaub@daubandassociates.com](mailto:gjdaub@daubandassociates.com)  
[www.daubandassociates.com](http://www.daubandassociates.com)



2010 Mine Plan  
Volume 1, Section 2.0  
General Information

Prepared for:  
Natural Soda, Inc.  
Piceance Creek Basin  
Rio Blanco County, Colorado

Prepared by:  
Daub & Associates, Inc.  
Grand Junction, Colorado

## TABLE OF CONTENTS

2.1.	Operator Name .....	2-1
2.2.	Lease Identification Numbers .....	2-1
2.3.	Location of Operations .....	2-1
2.4.	List of Federal, State and Local Permits Required for Operations .....	2-5
2.5.	Identification of Contractors .....	2-6
2.6.	Names, Addresses, and Telephone Numbers of Surface Owners .....	2-7
2.7.	Status of Surface Use and Access Agreement from Public Rights-of-Ways to the Lease .....	2-10
2.8.	Sodium Leases in the Vicinity .....	2-10
2.9.	List of Agencies or Consultants Who Have Aided in the Preparation of the Mine Plan .....	2-10

## LIST OF FIGURES

Figure 2-1.	Lease Area and Well Location Map .....	2-3
Figure 2-2.	Detailed Well Location Map of Section 26. ....	2-4
Figure 2-3.	Surface Ownership and Well Location Map .....	2-8
Figure 2-4.	Map of Sodium Leases in the Vicinity of NSI. ....	2-11

## LIST OF TABLES

Table 2-1.	List of Federal, State and Local Permits and Approvals Required to Construct and continue operations .....	2-5
Table 2-2.	Identity and Location of Surface Ownership. ....	2-9

## **SECTION 2.0 GENERAL INFORMATION**

### **2.1. Operator Name**

Natural Soda, Inc.  
3200 Rio Blanco County Road 31  
Rifle, Colorado 81650  
(970) 878-3674

Responsible Party: Mr. Bob Warneke, Executive Director of Manufacturing  
Office: (970) 878-3674 ext. 14  
Cell: (760) 382-3531  
Email: bobw222@hotmail.com

Local Contacts: Mr. Jerry Daub, President of Daub & Associates, Inc.  
Office: (970) 254-1224  
Cell: (970) 216-1010  
Email: gjdaub@daubandassociates.com

### **2.2. Lease Identification Numbers**

Sodium Leases C-0118326  
C-0118327  
C-0119986  
C-37474

Leases are unitized under the C-0118326 designation.

### **2.3. Location of Operations**

Rio Blanco County, Colorado

C-0118326

T.1S., R.98W., 6th P.M.  
Sec. 13, lots 9 to 24 inclusive;  
Sec. 14, lots 5, and 9 to 23, inclusive;  
Sec. 15, lots 1 to 13, inclusive;  
Sec. 21, NE1/4 NE1/4, S1/2 NE1/4, NE1/4 SW1/4, and SE1/4;  
Sec. 22, lots 12 to 14, inclusive.

The area described contains 2,159.64 acres, more or less.

C-0118327

T.1S., R.98W., 6th P.M.  
Sec. 23, lots 1 to 16, inclusive;  
Sec. 24, lots 1 to 16, inclusive;  
Sec. 25, lots 1 to 16, inclusive;  
Sec. 26, lots 1 to 16, inclusive.

The area described contains 2,483.36 acres, more or less.

C-0119986

T.1S., R.98W., 6th P.M.  
Sec. 21, S1/2 SW1/4;  
Sec. 27, lots 1 to 16, inclusive;  
Sec. 28, all;  
Sec. 29, SE1/4 NE1/4, S1/2 S1/2, and NE1/4 SE1/4;  
Sec. 33, all;  
Sec. 34, lots 3 to 6, inclusive.

The area described contains 2,379.60 acres, more or less.

C-37474

T.1S., R.98W., 6th P.M.  
Sec. 16, NE1/4 NE1/4, W1/2 NE1/4, W1/2, and NW1/4 SE1/4;  
Sec. 17, all;  
Sec. 20, NE1/4 NE1/4;  
Sec. 21, NW1/4 NW1/4.

The area described contains 1,200.00 acres, more or less.

The total area contained within the four sodium leases is 8,222.60 acres.

The location where the operation will principally be is: T.1S., R.98W., Sections 22-27. The original access road crossed portions of Sections 25, 26, 35 and 36 of T.1S., R.98W.; Section 31 of T.1S., R.97W.; and Section 6 of T.2S., R.97W. This road is now Rio Blanco County Road 31. Figure 2-1 shows the four sodium lease tracts and affected areas from project development. Figure 2-2 is a detailed well location map of the project area within Section 26.



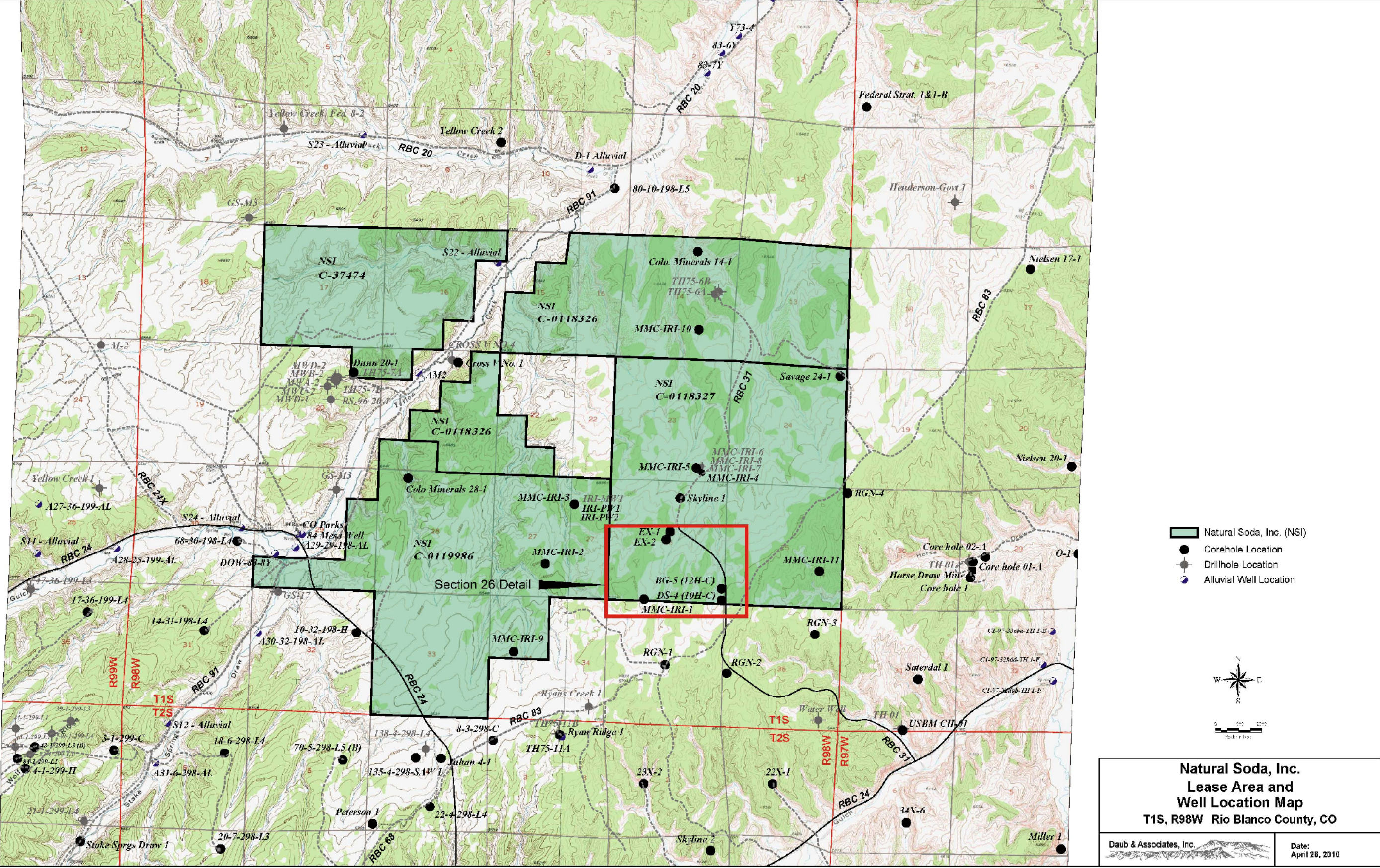


Figure 2-1. Lease Area and Well Location Map.





## 2.4. List of Federal, State and Local Permits Required for Operations

Table 2-1 shows the permits and regulatory approvals necessary for construction and operation of the commercial scale nahcolite solution mining project.

**TABLE 2-1**  
**LIST OF FEDERAL, STATE AND LOCAL PERMITS AND APPROVALS**  
**REQUIRED TO CONSTRUCT AND CONTINUE OPERATIONS**

<u>Permit/Approval</u>	<u>Agency</u>
Mine Plan Approval	Bureau of Land Management
Exploration Drilling Plan Approval	Bureau of Land Management
Rights-of-Way	Bureau of Land Management
Environmental Impact Statement	Bureau of Land Management
Regular Mining Permit	Colorado Division of Reclamation, Mining, and Safety
Air Pollutant Emissions Notice	Colorado Department of Public Health and Environment
National Pollutant Discharge Elimination System (NPDES) Permit	Colorado Water Quality Control Division
Underground Injection Control (UIC) Permit	Environmental Protection Agency
Permits to Construct Wells	Colorado Office of the State Engineer Bureau of Land Management
Special Use Permit	Rio Blanco County Commissioners
Building Permits	Rio Blanco and Garfield Counties
Health and Safety	OSHA
Cultural Resources Clearance	Colorado State Historic Preservation Office

**Table 2-1. List of Federal, State and Local Permits and Approvals Required to Construct and Continue operations**

## **2.5. Identification of Contractors**

Listed below are the names and addresses of contractors who assisted in the development and update of this Mine Plan and sodium production project.

### Environmental Permitting:

Daub & Associates, Inc.  
2241 S. Broadway  
Grand Junction, Colorado 81507

### Hydrology Consultant:

Daub & Associates, Inc.  
2241 S. Broadway  
Grand Junction, Colorado 81507

### Engineering:

TBD

### Drilling/Geotechnical:

Daub & Associates, Inc.  
2241 S. Broadway  
Grand Junction, Colorado 81507

J.F.T. Agapito & Associates  
715 Horizon Drive, Suite 340  
Grand Junction, Colorado 81506

### Earthwork:

CBR Enterprises, LLC  
P.O. Box 1355  
Meeker, Colorado 81641

### Construction Contractor:

TBD for the expansion

## **2.6. Names, Addresses, and Telephone Numbers of Surface Owners**

The U.S. Government owns all surface rights on the area covered by Sodium Lease Nos. C-0118326, C-0118327, C-0119986, and C-37474. This surface is managed by the White River Field Office of the BLM. The address is:

Paul Daggett  
Bureau of Land Management  
White River Field Office  
220 East Market Street  
Meeker, CO 81641  
(970) 878-3800

Various landowners occupy areas near the NSI lease. These landowners are shown in Figure 2-3 and are described by patent numbers as listed in Table 2-2.



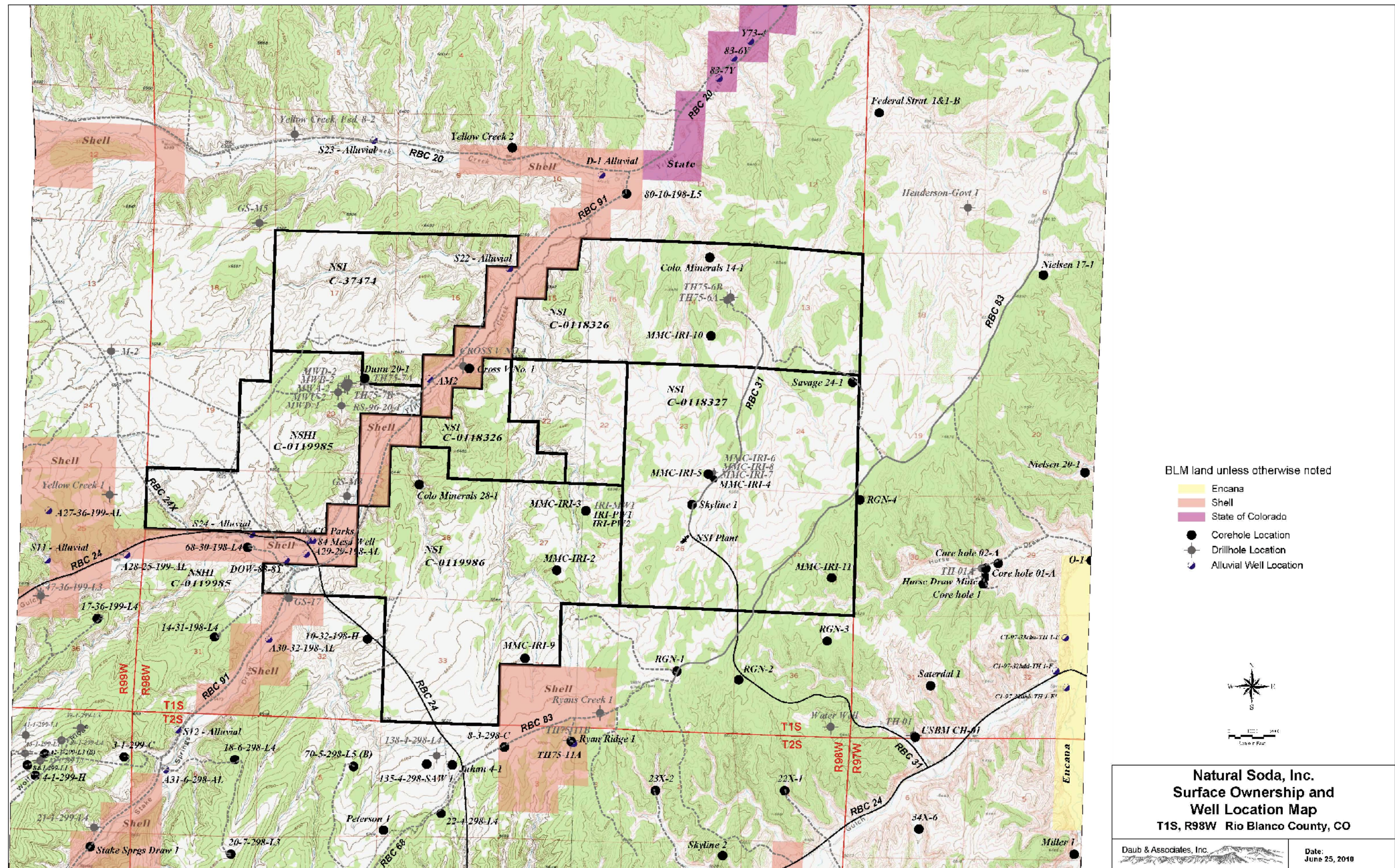


Figure 2-3. Surface Ownership and Well Location Map.



**TABLE 2-2****IDENTITY AND LOCATION OF SURFACE OWNERSHIP**

<u>Patent No.</u>	<u>Company</u>	<u>Location</u>
1023924	Shell	N1/2 NW1/4; SW1/4 NW1/4; NW1/4 SW1/4 of Section 32; SE1/4 NE1/4; E1/2 SE1/4; SW1/4 SE1/4 of Section 31 of T.1S., R.98W.
C15388	Shell	N1/2 SW1/4; NW1/4 SE1/4; SW1/4 NE1/4 of Section 29 of T.1S., R.98W.
66	Shell	NE1/4 NE1/4 of Section 29; E1/2 SE1/4 of Section 20; NW1/4 SW1/4 of Section 21 of T.1S., R.98W.
972083	Shell	S1/2 of Section 34, T.1S., R.98W.
899411	Shell	NW1/4; W1/2 NE1/4; N1/2 SW1/4 of Section 3 of T.2S., R.98W.
	Shell	S1/2 NE1/4 of Section 9; SE1/4 SW1/4; N1/2 SE1/4; SW1/4 SE1/4; S1/2 N1/2 of Section 10; W1/2 NW1/4; NE1/4 NW1/4 of Section 15; SE1/4 NE1/4; E1/2 SE1/4; SW1/4 SE1/4 of Section 16; E1/2 NW1/4; NW1/4 NE1/4 Section 21 of T.1S., R98W.
	Shell	S1/2 N1/2; N1/2 SW1/4 of Section 12 of T.1S., R99W. SW1/4 NW1/4; NW1/4 SW1/4 of Section 7 of T.1S., R98W.
	Shell	N1/2 S1/2 of Section 30 of T.1S., R.98W.
	Shell	S1/2 SW1/4; SW1/4 SE1/4 of Section 24; NW1/4; W1/2 NE1/4; E1/2 SW1/4; W1/2 SE1/4; NE1/4 SE1/4; N1/2 NW1/4 of Section 25; N1/2 NW1/4 Section 36 of T.1S., R.99W
	Encana	E1/2 SE1/4 of Section 29; E1/2 E1/2 of Section
	State of Colorado	NW1/4 NW1/4 of Section 1; NE1/2 NE1/4; SW1/4 NE1/4; NW1/4 SE1/4; SE1/4 SW1/4 of Section 2; E1/2 NW1/4; SW1/4 NW1/4 of Section 11 of T.1S., R.98W.

**Table 2-2. Identity and Location of Surface Ownership.**

## **2.7. Status of Surface Use and Access Agreement from Public Rights-of-Ways to the Lease**

The property is easily accessible from the Ryan Gulch Road (Rio Blanco County Road 24) and Rio Blanco County Road 31 (Figure 2-1). A natural gas pipeline was built along a BLM Right of Way for a distance of approximately 3 miles to connect the NSI Plant gas line to the main Questar natural gas pipeline.

## **2.8. Sodium Leases in the Vicinity**

Figure 2-4 shows all sodium leases and lease numbers that have been issued in the vicinity of the NSI sodium leases.

## **2.9. List of Agencies or Consultants Who Have Aided in the Preparation of the Mine Plan**

<u>Consultant</u>	<u>Section(s) Prepared</u>
Daub & Associates, Inc. 2241 S. Broadway Grand Junction, Colorado 81507	Preface and Comprehensive Table of Contents (Section 1.0) General Information (Section 2.0) General Site Conditions (Section 3.0) Geology (Section 4.0) Hydrology (Section 5.0) Mine Plan (Section 6.0) Processing Facilities (Section 7.0) Reclamation Plan (Section 8.0)



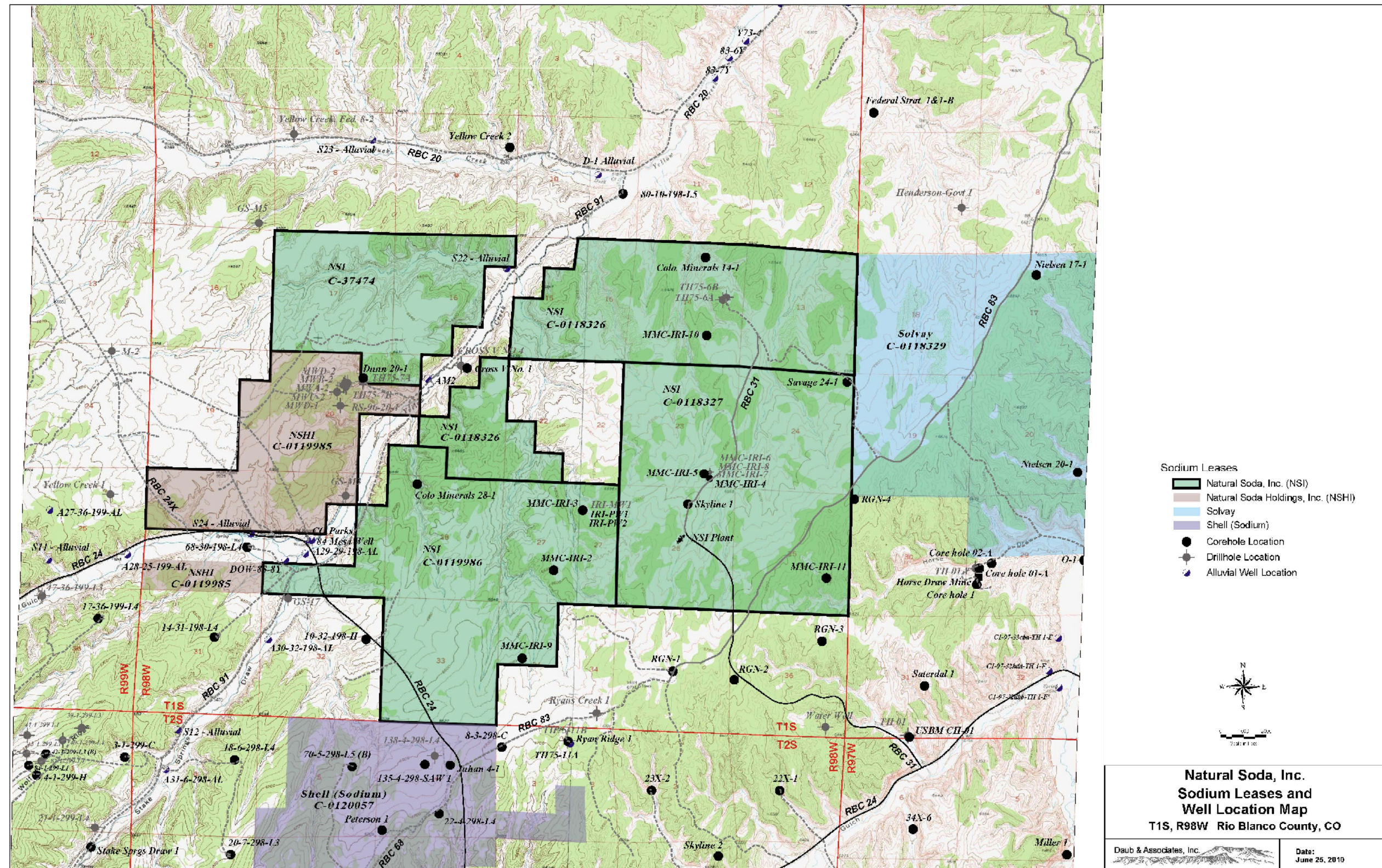


Figure 2-4. Map of Sodium Leases in the Vicinity of NSI.