BSC CORRESPONDENCE LOG #1018072049

CCU.20071018.0002

Department of Energy
Office of Civilian Radioactive Waste Management
1551 Hillshire Drive
Las Vegas, NV 89134-6321

QA: N/A

RECEIVED BY BSC CC
DATE: 10/18/2007

OCT 16 2007

Kevin J. Roukey, Office Chief
U.S. Army Corps of Engineers, Sacramento District
Nevada Regulatory Office
C. Clifton Young Federal Building
300 Booth Street, Room 2103
Reno, NV 89509-1361

Subject: Request for Jurisdictional Determination for Caliente Rail Alignments

Dear Mr. Roukey:

The U.S. Department of Energy (DOE) requests that the U.S. Army Corps of Engineers determine which waters along alternative rail alignments from Caliente to Yucca Mountain, Nevada, are regulated under Section 404 of the Clean Water Act.

The enclosed four maps show the location of the proposed alternative Caliente rail alignments that are currently being evaluated by the DOE.

An enclosed report, *Waters of the U.S. Jurisdictional Determination Report for Yucca Mountain Project –Caliente Rail Corridor*, identifies the limits of wetlands and other waters that may be classified as waters of the United States. The delineations summarized in this report were conducted based on the guidance and methods required by the U.S. Army Corps of Engineers and U.S. Environmental Protection Agency during 2005 and 2006. As was discussed at our August 27, 2007 meeting, DOE is requesting that this jurisdictional determination be based on those methods, rather than revised guidance for Clean Water Act jurisdiction released in June 2007.

Also enclosed, as requested, are tables listing the latitude and longitude of the wetlands and other waters identified in the report, and a compact disk containing electronic versions of all other enclosures.

If you have any questions or need additional information, please contact Mark A. Vandeberg of my staff at (702) 794-1367.

Sincerely,

Ned B. Larson

Ned B. Larson, Director
Nevada Rail Infrastructure Project
Office of Civilian Radioactive
Waste Management

Enclosures:
1. Maps of Caliente Corridor:
   T07-00075 Caliente A LatLong
   T07-00075 Caliente B LatLong
   T07-00075 Caliente C LatLong
   T07-00075 Caliente D LatLong
2. Report: *Waters of the U.S. Jurisdictional Determination Report for Yucca Mountain Project-Caliente Rail Corridor* (November 2006)

3a. Table: Location of Waters crossed by the Caliente Alignment

3b. Table: Location of Wetlands crossed by the Caliente Alignment

4. Compact Disk: Electronic version of the above enclosures

LMM 10-18-2007 BSC cc did not receive the enclosures

OCT 16 2007

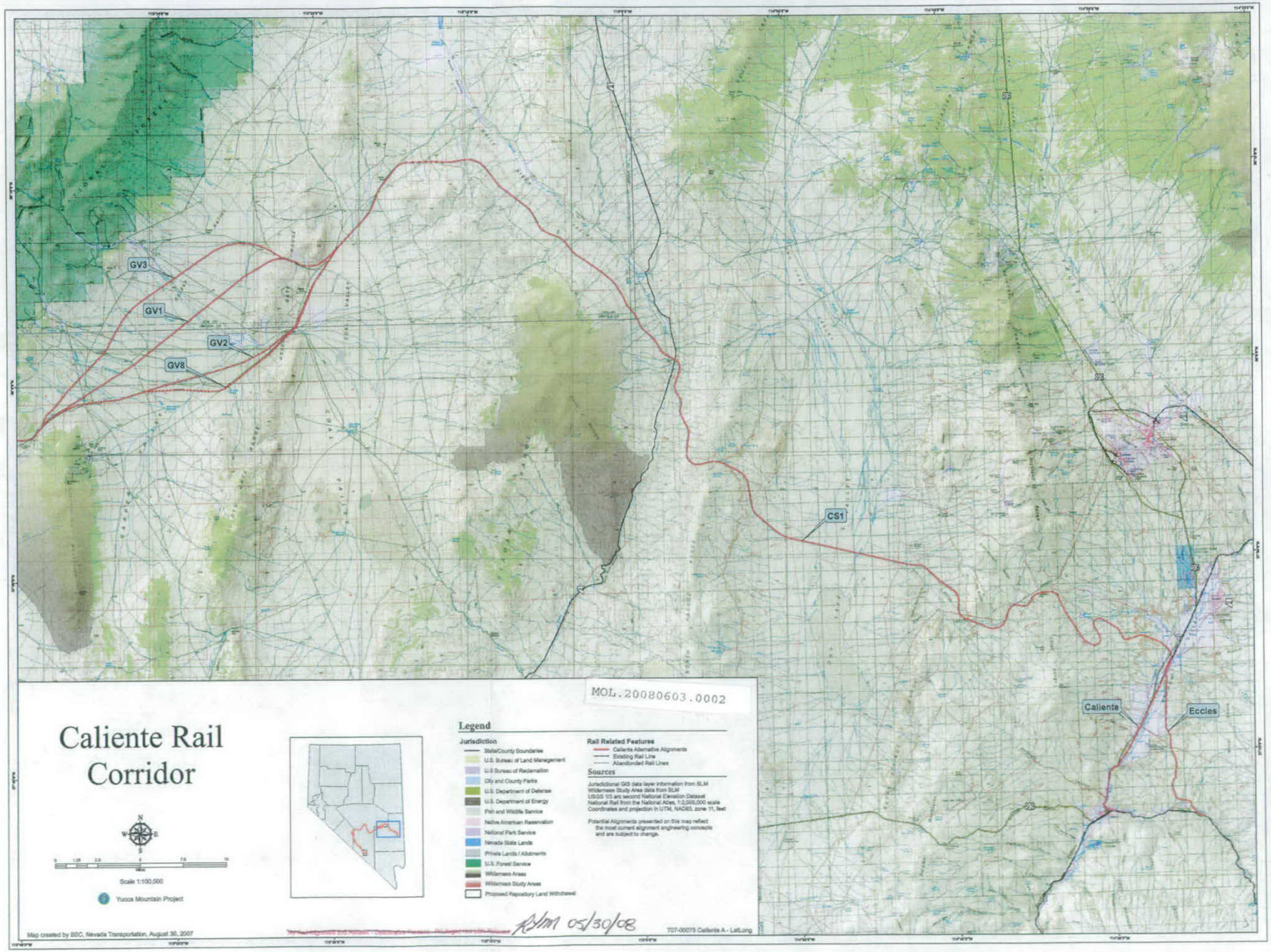
bcc w/o encls:
M. L. Bishop, DOE (RW-10) NV
J. G. Lanthrum, DOE (RW-10) NV
B. L. Levine, DOE (GC-52) FORS
W. L. Garfield, BSC, Las Vegas, NV
E. W. McCann, BSC, Las Vegas, NV
K. R. Rautenstrauch, BSC, Las Vegas, NV
M. A. Vandeberg, USBR, Las Vegas, NV

bcc w/encls 1, 2, and 3:
Records Processing Center = "~~216~~ 2 LMM 10-18-2007

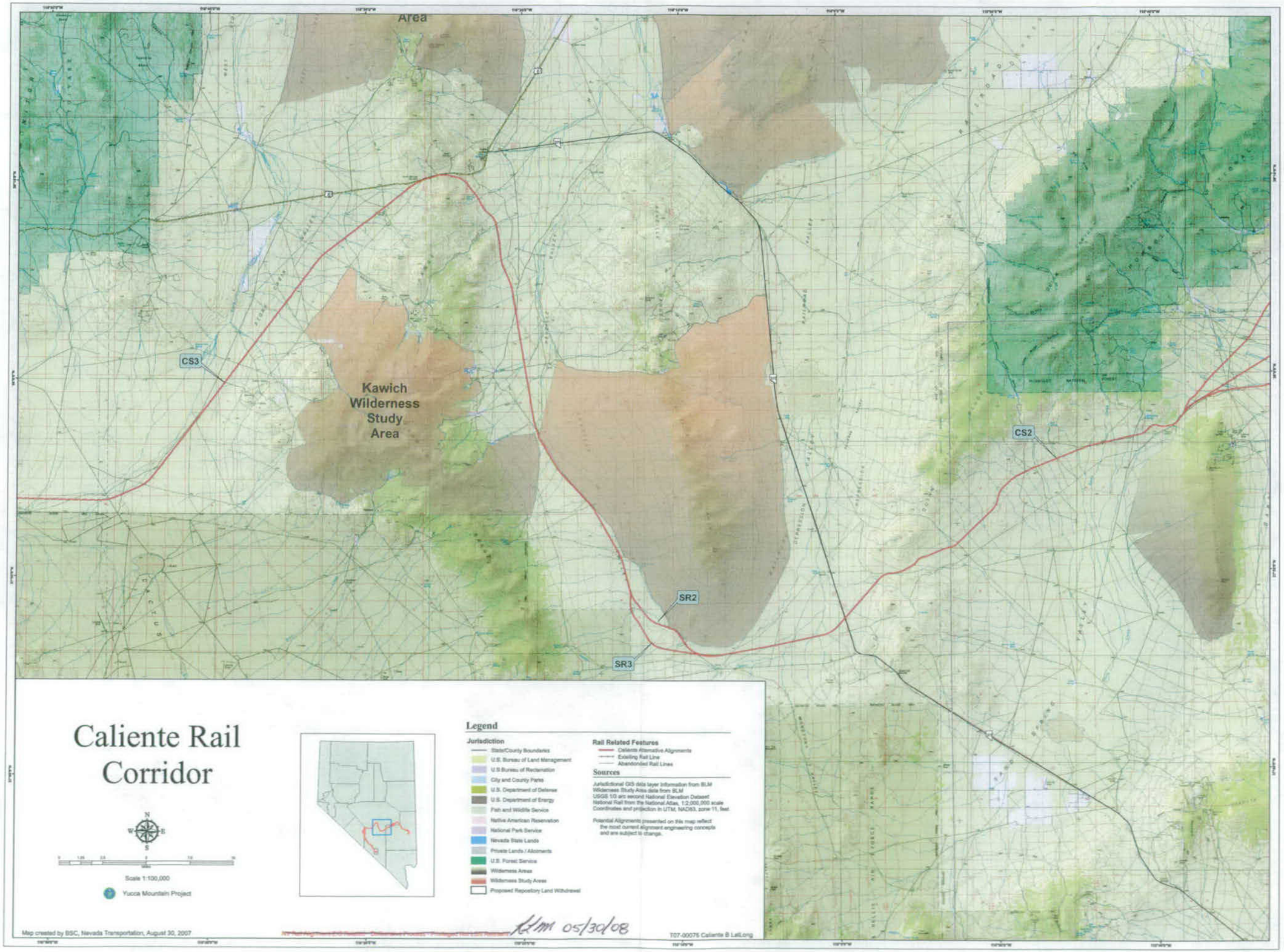
MFR: OLM:MAV-1475

PROCESSED
OCT 18 2007
BSC CCU/lmn

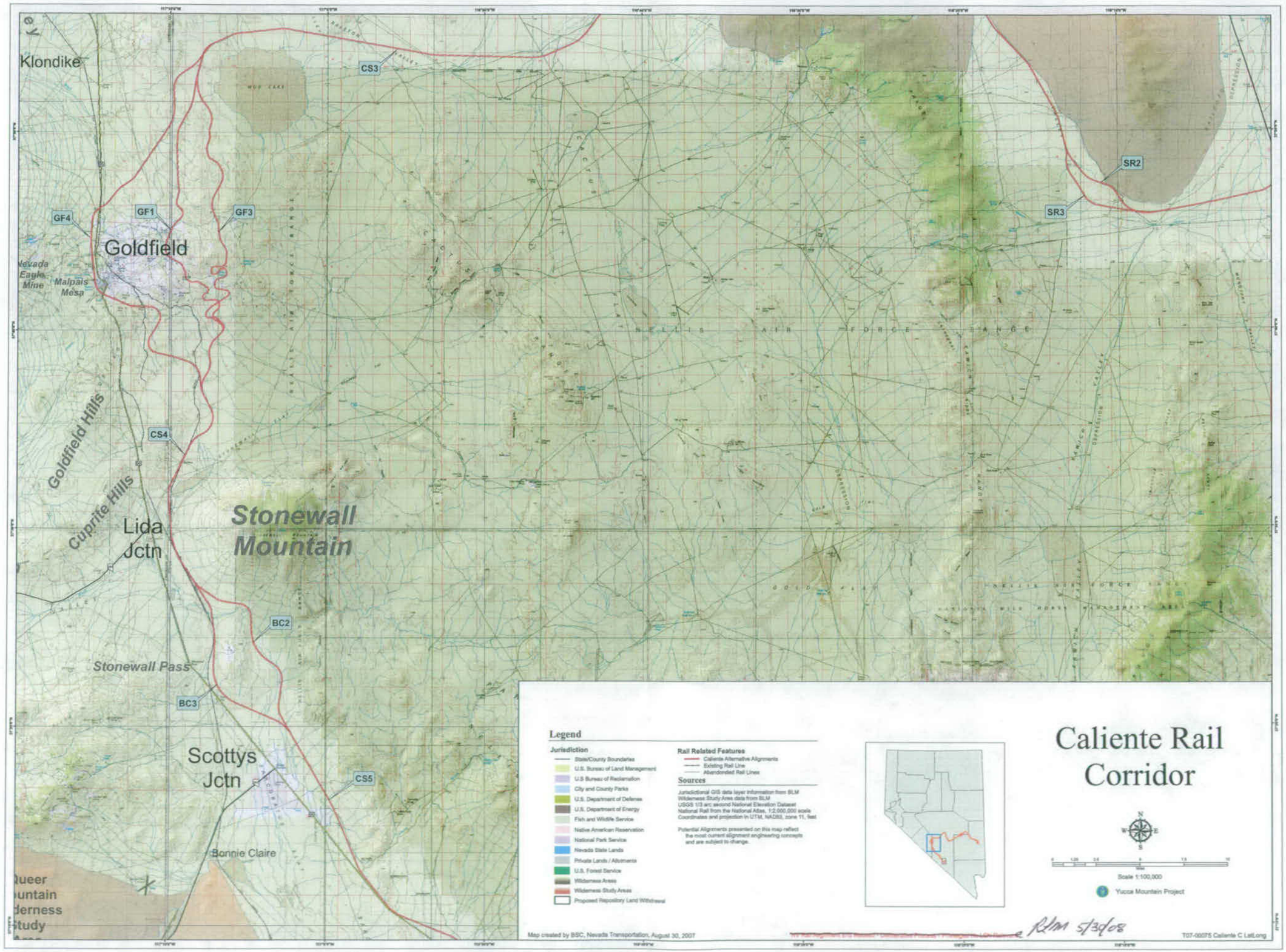
QA:NA


GV3
GV1
GV2
GV8
CS1
Caliente
Eccles
MOL.20080603.0002
Caliente Rail Corridor
N
W
E
S
Scale 1:100,000
Yucca Mountain Project
Legend
Jurisdiction
State/County Boundaries
U.S. Bureau of Land Management
U.S Bureau of Reclamation
City and County Parks
U.S. Department of Defense
U.S. Department of Energy
Fish and Wildlife Service
Native American Reservation
National Park Service
Nevada State Lands
Private Lands / Allotments
U.S. Forest Service
Wilderness Areas
Wilderness Study Areas
Proposed Repository Land Withdrawal
Rail Related Features
Caliente Alternative Alignments
Existing Rail Line
Abandoned Rail Lines
Sources
Jurisdictional GIS data layer information from BLM
Wilderness Study Area data from BLM
USGS 1/3 arc second National Elevation Dataset
National Rail from the National Atlas, 1:2,000,000 scale
Coordinates and projection in UTM, NAD83, zone 11, feet
Potential Alignments presented on this map reflect the most current alignment engineering concepts and are subject to change.
Map created by BSC, Nevada Transportation, August 30, 2007
RJM 05/30/08
T07-00075 Caliente A - LatLong

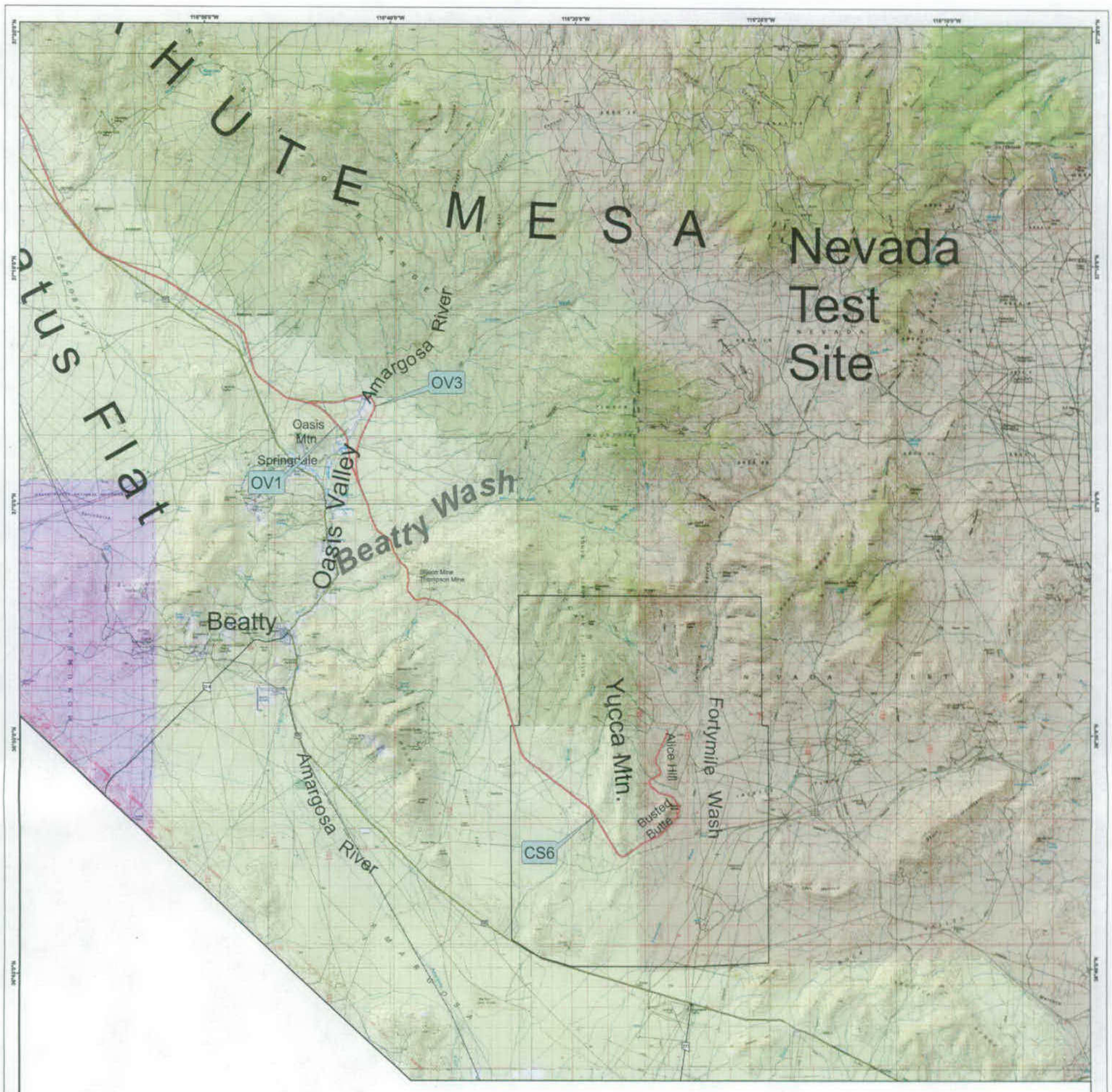
QA:NA


Area
Kawich Wilderness Study Area
CS3
CS2
SR2
SR3
Caliente Rail Corridor
Scale 1:100,000
Yucca Mountain Project
Legend
Jurisdiction
State/County Boundaries
U.S. Bureau of Land Management
U.S Bureau of Reclamation
City and County Parks
U.S. Department of Defense
U.S. Department of Energy
Fish and Wildlife Service
Native American Reservation
National Park Service
Nevada State Lands
Private Lands / Allotments
U.S. Forest Service
Wilderness Areas
Wilderness Study Areas
Proposed Repository Land Withdrawal
Rail Related Features
Caliente Alternative Alignments
Existing Rail Line
Abandonded Rail Lines
Sources
Jurisdictional GIS data layer information from BLM
Wilderness Study Area data from BLM
USGS 1/3 arc second National Elevation Dataset
National Rail from the National Atlas, 1:2,000,000 scale
Coordinates and projection in UTM, NAD83, zone 11, feet
Potential Alignments presented on this map reflect the most current alignment engineering concepts and are subject to change.
Map created by BSC, Nevada Transportation, August 30, 2007
KLM 05/30/08
T07-00075 Caliente B LatLong

QA:NA


Klondike
CS3
SR2
SR3
GF4
GF1
GF3
Goldfield
Nevada Eagle Mine
Malpais Mesa
Goldfield Hills
Cuprite Hills
CS4
Lida Jctn
Stonewall Mountain
BC2
Stonewall Pass
BC3
Scottys Jctn
CS5
Bonnie Claire
Legend
Jurisdiction
State/County Boundaries
U.S. Bureau of Land Management
U.S Bureau of Reclamation
City and County Parks
U.S. Department of Defense
U.S. Department of Energy
Fish and Wildlife Service
Native American Reservation
National Park Service
Nevada State Lands
Private Lands / Allotments
U.S. Forest Service
Wilderness Areas
Wilderness Study Areas
Proposed Repository Land Withdrawal
Rail Related Features
Caliente Alternative Alignments
Existing Rail Line
Abandonded Rail Lines
Sources
Jurisdictional GIS data layer information from BLM
Wilderness Study Area data from BLM
USGS 1/3 arc second National Elevation Dataset
National Rail from the National Atlas, 1:2,000,000 scale
Coordinates and projection in UTM, NAD83, zone 11, feet
Potential Alignments presented on this map reflect the most current alignment engineering concepts and are subject to change.
Caliente Rail Corridor
N
W
E
S
Scale 1:100,000
Yucca Mountain Project
Map created by BSC, Nevada Transportation, August 30, 2007
RJM 5/30/08
T07-00075 Caliente C LatLong

QA:NA



Caliente Rail Corridor

Legend

Jurisdiction

- State/County Boundaries
- U.S. Bureau of Land Management
- U.S Bureau of Reclamation
- City and County Parks
- U.S. Department of Defense
- U.S. Department of Energy
- Fish and Wildlife Service
- Native American Reservation
- National Park Service
- Nevada State Lands
- Private Lands / Allotments
- U.S. Forest Service
- Wilderness Areas
- Wilderness Study Areas
- Proposed Repository Land Withdrawal

Rail Related Features

- Caliente Alternative Alignments
- Existing Rail Line
- Abandonded Rail Lines

Sources

Jurisdictional GIS data layer information from BLM
Wilderness Study Area data from BLM
USGS 1/3 arc second National Elevation Dataset
National Rail from the National Atlas, 1:2,000,000 scale
Coordinates and projection in UTM, NAD83, zone 11, feet

Potential Alignments presented on this map reflect the most current alignment engineering concepts and are subject to change.

Map created by BSC, Nevada Transportation, August 30, 2007

~~NV Rail Alignment EIS Related - Deliberative Process - Privileged No LEN Relevant~~ RLM 5/30/08

T07-00075 Caliente D

Enclosure 3a. Location of Waters of the United States (streams)

QA:NA

WOUS ID	Longitude	Latitude
1	114° 26' 41.6" W	37° 45' 24.7" N
2	114° 26' 30.9" W	37° 43' 52.4" N
2A	114° 26' 37.3" W	37° 42' 52.1" N
3	114° 27' 4.6" W	37° 43' 1" N
4	114° 27' 24.4" W	37° 42' 31.2" N
5	114° 27' 55.1" W	37° 41' 41.7" N
6A	114° 30' 5.4" W	37° 39' 8.2" N
6B	114° 30' 40.7" W	37° 37' 24.2" N
7	114° 30' 39.8" W	37° 37' 26.7" N
8	114° 26' 31.4" W	37° 42' 22" N
9	114° 26' 33.9" W	37° 41' 48.1" N
10	114° 26' 34.6" W	37° 41' 38.5" N
11	114° 26' 19.1" W	37° 40' 10.5" N
12	114° 26' 18.9" W	37° 40' 8.8" N
13A	114° 26' 6.5" W	37° 38' 39" N
13B	114° 26' 19.2" W	37° 38' 15.6" N
13C	114° 26' 17.3" W	37° 37' 50.2" N
14	114° 26' 20.4" W	37° 38' 16.2" N
15	114° 26' 25.6" W	37° 38' 5.4" N
16	114° 26' 18.2" W	37° 37' 58.4" N
17	114° 26' 14.1" W	37° 37' 34.8" N
18	114° 23' 28.5" W	37° 35' 46.9" N
19A	114° 24' 28.3" W	37° 36' 40.5" N
19B	114° 24' 50.8" W	37° 36' 48.7" N
19C	114° 25' 8.9" W	37° 36' 51.2" N
19D	114° 25' 31.7" W	37° 36' 54.3" N
19E	114° 25' 46.6" W	37° 36' 58.2" N
19F	114° 26' 5.2" W	37° 36' 59.4" N
19G	114° 26' 19.9" W	37° 36' 59.1" N
19H	114° 26' 30.9" W	37° 36' 59.4" N
19I	114° 26' 43" W	37° 36' 57.4" N
19J	114° 26' 49.6" W	37° 36' 54.8" N
19K	114° 30' 7.4" W	37° 37' 4.3" N
19L	114° 30' 36.9" W	37° 37' 11.3" N
20A	114° 23' 32.7" W	37° 35' 57.3" N
20B	114° 23' 35.7" W	37° 35' 55.6" N
20C	114° 23' 40.5" W	37° 35' 53.3" N
21	114° 23' 40.9" W	37° 35' 52.2" N
22	114° 23' 55.9" W	37° 36' 27.4" N
23	114° 23' 59.9" W	37° 36' 29.5" N
24	114° 24' 4.9" W	37° 36' 31.5" N

Enclosure 3a. Location of Waters of the United States (streams)

WOUS ID	Longitude	Latitude
25	114° 24' 13.1" W	37° 36' 35.3" N
26	114° 24' 17.7" W	37° 36' 39" N
28	114° 24' 49" W	37° 36' 50" N
27	114° 24' 44.6" W	37° 36' 48.9" N
29	114° 24' 47.6" W	37° 36' 46.3" N
30	114° 25' 26.7" W	37° 36' 52.6" N
31	114° 25' 34.3" W	37° 36' 53.9" N
32	114° 26' 44.9" W	37° 36' 58.5" N
33	114° 25' 42.6" W	37° 37' 11.6" N
34A	114° 25' 42" W	37° 37' 26.6" N
34B	114° 25' 48.1" W	37° 37' 11.8" N
35A	114° 25' 47.9" W	37° 37' 27.4" N
35B	114° 25' 52.2" W	37° 37' 12.5" N
36	114° 26' 1.7" W	37° 37' 7.9" N
37	114° 26' 12.5" W	37° 37' 5.6" N
38	114° 26' 13" W	37° 37' 0.3" N
39	114° 26' 22.4" W	37° 37' 4.3" N
40A	114° 23' 58.1" W	37° 36' 22.5" N
40B	114° 24' 0.4" W	37° 36' 22" N
41A	114° 28' 34.7" W	37° 45' 43.6" N
42	114° 28' 38.2" W	37° 45' 41" N
41B	114° 29' 10.4" W	37° 45' 49.6" N
43	114° 29' 16.3" W	37° 46' 1" N
44	114° 29' 24.4" W	37° 46' 12.4" N
45	114° 30' 14.2" W	37° 46' 38.4" N
46A	114° 30' 8.5" W	37° 46' 42.5" N
46B	114° 30' 19.3" W	37° 46' 40.9" N
46C	114° 30' 55.6" W	37° 46' 38.7" N
47	114° 30' 47.6" W	37° 46' 44.7" N
48	114° 30' 49.9" W	37° 46' 12.3" N
49	114° 30' 34.8" W	37° 45' 46.1" N
50	114° 30' 42" W	37° 45' 23.9" N
51	114° 31' 19" W	37° 45' 33.1" N
52	114° 31' 46.5" W	37° 45' 54.9" N
53	114° 31' 53.5" W	37° 46' 4.1" N
54	114° 33' 23.5" W	37° 48' 8.8" N
55	114° 33' 34.7" W	37° 48' 12.5" N
56	116° 41' 12.3" W	37° 4' 33.2" N
57	116° 42' 39.9" W	37° 3' 9.6" N
58	116° 42' 24.6" W	37° 2' 50.7" N
59	116° 41' 7.6" W	36° 59' 31.2" N

Enclosure 3a. Location of Waters of the United States (streams)

WOUS ID	Longitude	Latitude
60	116° 40' 44.2" W	36° 58' 52.7" N
61	116° 39' 32.4" W	36° 57' 34.4" N
62	116° 39' 7.6" W	36° 57' 8.1" N
63	116° 39' 5.8" W	36° 56' 54.9" N
64	116° 39' 3.7" W	36° 56' 55.2" N
65	116° 39' 5.6" W	36° 56' 42.3" N
67	116° 39' 8" W	36° 56' 32.3" N
66	116° 39' 7.6" W	36° 56' 34" N
68	116° 39' 11.3" W	36° 56' 20.4" N
70	116° 37' 54.2" W	36° 55' 55.3" N
69	116° 38' 10.7" W	36° 55' 58.6" N
71	116° 26' 22.2" W	36° 45' 32.9" N
73	116° 25' 58.3" W	36° 48' 16.9" N
72	116° 25' 59.3" W	36° 48' 16.6" N
74	116° 25' 16.3" W	36° 50' 24.5" N

Enclosure 3b. Location of Wetlands[a]

Wetland ID	Longitude	Latitude
CC1	114° 30' 26.7" W	37° 37' 59.9" N
CC2	114° 30' 29.4" W	37° 37' 51.5" N
CC3	114° 30' 29.3" W	37° 37' 52.9" N
CC4	114° 30' 27.5" W	37° 38' 2.2" N
CC4A	114° 30' 26.6" W	37° 38' 7.5" N
CC4B	114° 30' 28.2" W	37° 37' 58.6" N
CC5	114° 30' 26" W	37° 38' 10.1" N
CC6	114° 30' 25.7" W	37° 38' 13.1" N
CC7	114° 30' 21.1" W	37° 38' 29.8" N
CC8	114° 30' 25" W	37° 38' 16.2" N
CC9	114° 30' 20.8" W	37° 38' 37.8" N
CC10	114° 30' 17.4" W	37° 38' 54.7" N
CC12	114° 30' 14.3" W	37° 39' 0.4" N
CC13	114° 30' 3.4" W	37° 39' 8.5" N
CC14	114° 30' 3.3" W	37° 39' 9.5" N
CC15	114° 29' 52.5" W	37° 39' 14.3" N
CC17	114° 29' 41.2" W	37° 39' 22.9" N
CC18	114° 29' 49.7" W	37° 39' 15.7" N
CC19	114° 29' 29.9" W	37° 39' 35.4" N
CC20	114° 29' 27.5" W	37° 39' 36.2" N
CC21	114° 29' 5.3" W	37° 40' 0.3" N
CC24	114° 28' 43.2" W	37° 40' 28.9" N
CC25	114° 28' 39" W	37° 40' 37.2" N
CC26	114° 28' 34.6" W	37° 40' 41.2" N
PWT-1	114° 26' 4.1" W	37° 44' 27.2" N
PWT-2	114° 28' 3.6" W	37° 41' 22.4" N
WT-1	114° 26' 24.9" W	37° 44' 0.1" N
WT-1A	114° 26' 36.8" W	37° 42' 53.6" N
WT-2	114° 27' 6" W	37° 43' 2.8" N
WT-4	114° 27' 53.6" W	37° 41' 42.4" N
WT-5	114° 30' 35.4" W	37° 37' 27.4" N
WT-6	114° 30' 40.8" W	37° 37' 26.7" N
WT-7	114° 23' 52.2" W	37° 36' 14.2" N
WT-9	114° 25' 49.8" W	37° 36' 58" N
WT-10	114° 26' 10.6" W	37° 36' 58.5" N
WT-11	114° 26' 19.2" W	37° 37' 4" N

[a] Only wetlands preliminarily identified as jurisdictional are listed