

**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES  
SAMPLE CUSTODY LOG ENTRY FORM**

**Sample Identification (Mandatory):** 09/17/00-1 550618 4058277

**Sample Designation:** Lab#3

**Description of Sample (Mandatory):** Sandy loam to loamy sand soil; depth 1-6 cm

**Reference TOP or Scientific Notebook Entry:** Scientific Notebook #338, page 10

**Amount of Sample:** 264.2 cm<sup>3</sup>

**Size:**

**Date of Sample Receipt (Mandatory):** 9/17/00

**Date of Initial Log Entry (Mandatory):** 09/29/00

**By:** R. Fedors

**Sample Storage Location (Mandatory):** Building 51

**Collection Site (Reference Maps or Field Notes as Required):**

Fortymile Wash north of Highway 95 in of old fluvial sheet wash deposits.

Brushed away top scree (~1 cm depth).

UTM NAD27 coordinates E 550618 N 4058277 meters.

Spectral Site 091700-1.

Two composited samples from ~1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

**Person(s) Who Collected Samples:** Randy Fedors

**Supplier:**

**Other:** sample disposed on 5/13/2003 - RL  
no longer needed

**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES  
SAMPLE CUSTODY LOG ENTRY FORM**

**Sample Identification (Mandatory):** 9/17/00 550068 4058397

**Sample Designation:** Lab#1

**Description of Sample (Mandatory):** Coarse loamy sand to sand channel deposit  
from 1-11 cm depth

**Reference TOP or Scientific Notebook Entry:** Scientific Notebook #338, page 13 (2)

**Amount of Sample:** 264.2 cm<sup>3</sup> (likely over-represented)

**Size:**

**Date of Sample Receipt (Mandatory):** 9/17/00

**Date of Initial Log Entry (Mandatory):** 09/29/00

**By:** R. Fedors

**Sample Storage Location (Mandatory):** Building 51

**Collection Site (Reference Maps or Field Notes as Required):**

Fortymile Wash north of Highway 95 in area of active channel & fluvial sheet wash deposits.

Collected near USGS stream gage; more representative of channel deposits than Lab#4.

UTM NAD27 coordinates E 550068 N 4058397 meters.

Mid-transect of Spectral Site 091700-2.

Two composited samples taken one on top of the other using the metal cylinder press.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Difficulty collecting sample because of buried boulders, volume is likely an overestimate.

**Person(s) Who Collected Samples:** David Farrell

**Supplier:**

**Other:** sample - disposed on 5/13/2003 - ZL  
no longer needed

**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES  
SAMPLE CUSTODY LOG ENTRY FORM**

**Sample Identification (Mandatory):** 09/17/00 550018 4058398

**Sample Designation:** Lab#2

**Description of Sample (Mandatory):** Sandy loam soil to loamy sand; sheetwash; 1-11 cm

**Reference TOP or Scientific Notebook Entry:** Scientific Notebook #338, page 13 (3)

**Amount of Sample:** 264.2 cm<sup>3</sup>

**Size:**

**Date of Sample Receipt (Mandatory):** 9/17/00

**Date of Initial Log Entry (Mandatory):** 09/29/00

**By:** R. Fedors

**Sample Storage Location (Mandatory):** Building 51

**Collection Site (Reference Maps or Field Notes as Required):**

Fortymile Wash north of Highway 95 in area of sheet wash deposits between active channels.

UTM NAD27 coordinates E 550018 N 4058398 meters.

On transect of Spectral Site 091700-2.

Two composited samples taken one on top of the other (stacked) using metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

**Person(s) Who Collected Samples:** David Farrell

**Supplier:**

**Other:** sample disposed on 5/13/2003 - RL  
no longer needed

**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES  
SAMPLE CUSTODY LOG ENTRY FORM**

**Sample Identification (Mandatory):** 09/17/00 550057 4058244

**Sample Designation:** Lab#4

**Description of Sample (Mandatory):** Sandy loam channel deposit at 1-11 cm depth  
( clodding of soil prevalent)

**Reference TOP or Scientific Notebook Entry:** Scientific Notebook #338, page 13 (1)

**Amount of Sample:** 264.2 cm<sup>3</sup>

**Size:**

**Date of Sample Receipt (Mandatory):** 9/17/00

**Date of Initial Log Entry (Mandatory):** 09/29/00

**By:** R. Fedors

**Sample Storage Location (Mandatory):** Building 51

**Collection Site (Reference Maps or Field Notes as Required):**

Fortymile Wash north of Highway 95 in active sub-channel of the wash.

Upstream side of dirt road embankment where water ponds, top <1 cm of silt scraped off.

UTM NAD27 coordinates E 550057 N 4058244 meters.

South of Spectral site 091700-2.

Two composited samples taken one on top of the other using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

**Person(s) Who Collected Samples:** David Farrell

**Supplier:**

**Other:** sample disposed 5/13/2008 - RL  
no longer needed

**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES  
SAMPLE CUSTODY LOG ENTRY FORM**

**Sample Identification (Mandatory):** Jet-1 545774 4078224

**Sample Designation:** Lab#6

**Description of Sample (Mandatory):** Fine sandy loam soil; 1-6 cm depth

**Reference TOP or Scientific Notebook Entry:** Scientific Notebook #338, page 18

**Amount of Sample:** 264.2 cm<sup>3</sup>

**Size:**

**Date of Sample Receipt (Mandatory):** 9/18/00

**Date of Initial Log Entry (Mandatory):** 09/29/00

**By:** R. Fedors

**Sample Storage Location (Mandatory):** Building 51

**Collection Site (Reference Maps or Field Notes as Required):**

Jet Ridge mid-hillslope below caprock ledges on east-trending washes.

UTM NAD27 coordinates E 545774 N 4078224 meters.

Near Spectral Sites cap1xx.\* and cap2xx.\*

Two composited samples taken 1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

**Person(s) Who Collected Samples:** David Farrell / Randy Fedors

**Supplier:**

**Other:** sample disposed on 5/13/2008 - FL  
no longer needed

**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES  
SAMPLE CUSTODY LOG ENTRY FORM**

**Sample Identification (Mandatory):** 0919-1 535336 4073644

**Sample Designation:** Lab#5

**Description of Sample (Mandatory):** Fine sandy loam soil, pavement; 1-6 cm depth

**Reference TOP or Scientific Notebook Entry:** Scientific Notebook #338, page 26

**Amount of Sample:** 264.2 cm<sup>3</sup>

**Size:**

**Date of Sample Receipt (Mandatory):** 9/19/00

**Date of Initial Log Entry (Mandatory):** 09/29/00

**By:** R. Fedors

**Sample Storage Location (Mandatory):** Building 51

**Collection Site (Reference Maps or Field Notes as Required):**

Crater Flat, south of intersection of main dirt roads west of Red Cone

(one north-south and one heading east to Red Cone and eventually Solitario Canyon).

UTM NAD27 coordinates E 535336 N 4073644 meters.

Spectral site 0919-1.

Two composited samples taken 1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

Thin (<1cm) scree cover brushed away before sampling.

**Person(s) Who Collected Samples:** Randy Fedors

**Supplier:**

**Other:** Sample disposed on 5/13/2008 - RL

no longer needed

**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES  
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**Sample Identification (Mandatory):** 0919-2a 544038 4052978

**Sample Designation:** Lab#7

**Description of Sample (Mandatory):** Sandy loam to loamy sand soil;  
cobbly pavement at 0.5-5.5 cm depth

**Reference TOP or Scientific Notebook Entry:** Scientific Notebook #338, page 29

**Amount of Sample:** 264.2 cm<sup>3</sup>

**Size:**

**Date of Sample Receipt (Mandatory):** 9/19/00

**Date of Initial Log Entry (Mandatory):** 09/29/00

**By:** R. Fedors

**Sample Storage Location (Mandatory):** Building 51

**Collection Site (Reference Maps or Field Notes as Required):**

Middle of Amargosa Desert, between Amargosa Farms and Big Dune.

Distributed channel/sheetwash area

UTM NAD27 coordinates E 544038 N 4052978 meters.

Spectral site 0919-2.

Two composited samples taken 1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

**Person(s) Who Collected Samples:** Randy Fedors

**Supplier:**

**Other:** sample disposed on 5/13/2003 - RL  
no longer needed

**CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES  
SAMPLE CUSTODY LOG ENTRY FORM**

**Sample Identification (Mandatory):** 0919-2b 544038 4052978

**Sample Designation:** Lab#8

**Description of Sample (Mandatory):** Sandy loam to loamy sand soil; 14-19 cm depth

**Reference TOP or Scientific Notebook Entry:** Scientific Notebook #338, page 29

**Amount of Sample:** 264.2 cm<sup>3</sup>

**Size:**

**Date of Sample Receipt (Mandatory):** 9/19/00

**Date of Initial Log Entry (Mandatory):** 09/29/00

**By:** R. Fedors

**Sample Storage Location (Mandatory):** Building 51

**Collection Site (Reference Maps or Field Notes as Required):**

Middle of Amargosa Desert, between Amargosa Farms and Big Dune.

Distributed channel/sheetwash area

UTM NAD27 coordinates E 544038 N 4052978 meters.

Spectral site 0919-2.

Two composited samples taken 1 m apart using the metal cylinder press.

Cylinder is 5.8 cm diameter and 5 cm height.

Collected with minimal exposure time to arid atmosphere; stored in 1 gal ziplock freezer bag.

**Person(s) Who Collected Samples:** Randy Fedors

**Supplier:**

**Other:** sample disposed on 5/13/2008 - RL  
no longer needed