District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

DEC 2005
RECEIVED
OIL CONS. DIV.
DIST. 3

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

30-045-31340

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company SAN JUAN RESOURCES OF COLORADO	Contact☐ Vern Andrews – WALSH ENGINEERING
Address 1499 BLAKE STREET, DENVER CO 80202	Telephone No.☐ 303-573-6333
Facility Name TECUMSEH # 1	Facility Type☐ PRODUCING WELL

Surface Owner FEE	Mineral Owner FEE	Lease No.☐ FEE

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	18	30N	11W		1975 FSL		1480 FEL	SAN JUAN

NATURE OF RELEASE

Type of Release OIL SPILL	Volume of Release 81.68 BBLS	Volume Recovered☐ NONE
Source of Release FROZEN TANK DRAIN VALVE	Date and Hour of Occurrence DECEMBER 1, 2005	Date and Hour of Discovery DECEMBER 2, 2005 @ 7:15 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? MESSAGE LEFT FOR DENNY FOUST.	
By Whom? ☐ WEST HAHN	Date and Hour☐ DECEMBER 2, 2005 @ 7:40 AM	
Was a Watercourse Reached? ☒ Yes ☐ No	If YES, Volume Impacting the Watercourse. APPX. 450 FEET OF SURFACE WATER IN A SWAMP	

If a Watercourse was Impacted, Describe Fully.*
OIL SPILL TRAVELLED INTO A SWAMP AND COVERED ALL SURFACE WATER FOR APPROXIMATELY 450 FEET. CATTAILS AND REEDS PREVENTED THE OIL FROM IMPACTING A LARGER AREA.

Describe Cause of Problem and Remedial Action Taken.*
THE WATER DRAIN VALVE ON THE OIL TANK VALVE FROZE AND PUSHED APART CAUSING 4'-1" OF OIL TO SPILL OUT OF A 300 BARREL TANK. THE OIL SOAKED DOWN THROUGH THE SURFACE SOIL AND MIGRATED OUT INTO THE MARSHY AREA. SURFACE WATER IS ONLY 2 FEET BELOW THE WELL PAD.

Describe Area Affected and Cleanup Action Taken.*
OIL COVERED A DISTANCE OF 947 FEET TO THE SOUTHWEST OF THE OIL TANK COVERING THE SURFACE OF THE FREE WATER AND CONTAMINATING 300 YARDS OF SOIL. ALL CONTAMINATED SOIL WAS REMOVED FROM SITE AND HAULED TO INDUSTRIAL ECOSYSTEMS FOR REMEDIATION. 300 FEET OF SWAMP GRASS WAS SKIMMED AND THEN WASHED WITH TEX CHEM HE1000 TO TRY TO REMEDIATE SOIL IN PLACE. ALL FREE OIL ON WATER WAS SKIMMED AND REMOVED WITH VAC TRUCKS AND OIL ABSORBANT BOOMS AND PADS.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Vern Andrews	OIL CONSERVATION DIVISION
Printed Name: Vern Andrews	Approved by☐District Supervisor: Denny Foust for Charlie Perrin
Title: Agent	Approval Date: 12/27/05 Expiration Date:
Date: 12/16/05 Phone:	Conditions of Approval: Testing of soils and water required Attached ☐

* Attach Additional Sheets If Necessary

nDGF0536141669

15

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	S 3	Date Reported:	12-06-05
Laboratory Number:	35311	Date Sampled:	12-03-05
Chain of Custody No:	15176	Date Received:	12-03-05
Sample Matrix:	Soil	Date Extracted:	12-05-05
Preservative:	Cool	Date Analyzed:	12-06-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**0.5**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**0.5**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	S 4	Date Reported:	12-06-05
Laboratory Number:	35312	Date Sampled:	12-03-05
Chain of Custody No:	15176	Date Received:	12-03-05
Sample Matrix:	Soil	Date Extracted:	12-05-05
Preservative:	Cool	Date Analyzed:	12-06-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**1.2**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**1.2**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	S 5	Date Reported:	12-06-05
Laboratory Number:	35313	Date Sampled:	12-03-05
Chain of Custody No:	15176	Date Received:	12-03-05
Sample Matrix:	Soil	Date Extracted:	12-05-05
Preservative:	Cool	Date Analyzed:	12-06-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	S 3	Date Reported:	12-06-05
Laboratory Number:	35311	Date Sampled:	12-03-05
Chain of Custody:	15176	Date Received:	12-03-05
Sample Matrix:	Soil	Date Analyzed:	12-06-05
Preservative:	Cool	Date Extracted:	12-05-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**1.9**	**1.8**
Toluene	**22.4**	**1.7**
Ethylbenzene	**96.7**	**1.5**
p,m-Xylene	**78.5**	**2.2**
o-Xylene	**12.2**	**1.0**
Total BTEX	**212**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**98.0 %**
	1,4-difluorobenzene	**98.0 %**
	Bromochlorobenzene	**98.0 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	S 4	Date Reported:	12-06-05
Laboratory Number:	35312	Date Sampled:	12-03-05
Chain of Custody:	15176	Date Received:	12-03-05
Sample Matrix:	Soil	Date Analyzed:	12-06-05
Preservative:	Cool	Date Extracted:	12-05-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**147**	**1.7**
Ethylbenzene	**331**	**1.5**
p,m-Xylene	**307**	**2.2**
o-Xylene	**51.0**	**1.0**
Total BTEX	**836**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**97.0 %**
	1,4-difluorobenzene	**97.0 %**
	Bromochlorobenzene	**97.0 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	S 5	Date Reported:	12-06-05
Laboratory Number:	35313	Date Sampled:	12-03-05
Chain of Custody:	15176	Date Received:	12-03-05
Sample Matrix:	Soil	Date Analyzed:	12-06-05
Preservative:	Cool	Date Extracted:	12-05-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**32.6**	**1.7**
Ethylbenzene	**77.8**	**1.5**
p,m-Xylene	**60.1**	**2.2**
o-Xylene	**ND**	**1.0**
Total BTEX	**171**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**98.0 %**
	1,4-difluorobenzene	**98.0 %**
	Bromochlorobenzene	**98.0 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	Source (S1)	Date Reported:	12-06-05
Chain of Custody:	15175	Date Sampled:	12-02-05
Laboratory Number:	35314	Date Received:	12-02-05
Sample Matrix:	Water	Date Analyzed:	12-06-05
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	**75.3**	**1**	**0.2**
Toluene	**446**	**1**	**0.2**
Ethylbenzene	**113**	**1**	**0.2**
p,m-Xylene	**618**	**1**	**0.2**
o-Xylene	**194**	**1**	**0.1**
Total BTEX	**1,450**		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	**99 %**
	1,4-difluorobenzene	**99 %**
	4-bromochlorobenzene	**99 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	End (S2)	Date Reported:	12-06-05
Chain of Custody:	15175	Date Sampled:	12-02-05
Laboratory Number:	35315	Date Received:	12-02-05
Sample Matrix:	Water	Date Analyzed:	12-06-05
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	**ND**	**1**	**0.2**
Toluene	**406**	**1**	**0.2**
Ethylbenzene	**149**	**1**	**0.2**
p,m-Xylene	**756**	**1**	**0.2**
o-Xylene	**216**	**1**	**0.1**
Total BTEX	**1,530**		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	**99 %**
	1,4-difluorobenzene	**99 %**
	4-bromochlorobenzene	**99 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	Source (S1)	Date Reported:	12-06-05
Laboratory Number:	35314	Date Sampled:	12-02-05
Chain of Custody No:	15175	Date Received:	12-02-05
Sample Matrix:	Water	Date Extracted:	12-06-05
Preservative:	Cool	Date Analyzed:	12-06-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	**2.0**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**2.0**	**0.1**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	End (S2)	Date Reported:	12-06-05
Laboratory Number:	35315	Date Sampled:	12-02-05
Chain of Custody No:	15175	Date Received:	12-02-05
Sample Matrix:	Water	Date Extracted:	12-06-05
Preservative:	Cool	Date Analyzed:	12-06-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	**1.8**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**1.8**	**0.1**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	End	Date Reported:	12-06-05
Chain of Custody:	15177	Date Sampled:	12-04-05
Laboratory Number:	35310	Date Received:	12-04-05
Sample Matrix:	Water	Date Analyzed:	12-06-05
Preservative:	Cool	Analysis Requested:	BTEX
Condition:	Cool & Intact		

Parameter	Concentration (ug/L)	Dilution Factor	Det. Limit (ug/L)
Benzene	**ND**	**1**	**0.2**
Toluene	**6.3**	**1**	**0.2**
Ethylbenzene	**50.9**	**1**	**0.2**
p,m-Xylene	**49.6**	**1**	**0.2**
o-Xylene	**11.8**	**1**	**0.1**
Total BTEX	**119**		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	fluorobenzene	**99 %**
	1,4-difluorobenzene	**99 %**
	4-bromochlorobenzene	**99 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Walsh Engineering	Project #:	05217-001
Sample ID:	End	Date Reported:	12-06-05
Laboratory Number:	35310	Date Sampled:	12-04-05
Chain of Custody No:	15177	Date Received:	12-04-05
Sample Matrix:	Water	Date Extracted:	12-06-05
Preservative:	Cool	Date Analyzed:	12-06-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/L)	Det. Limit (mg/L)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	**0.1**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Analyst

Review

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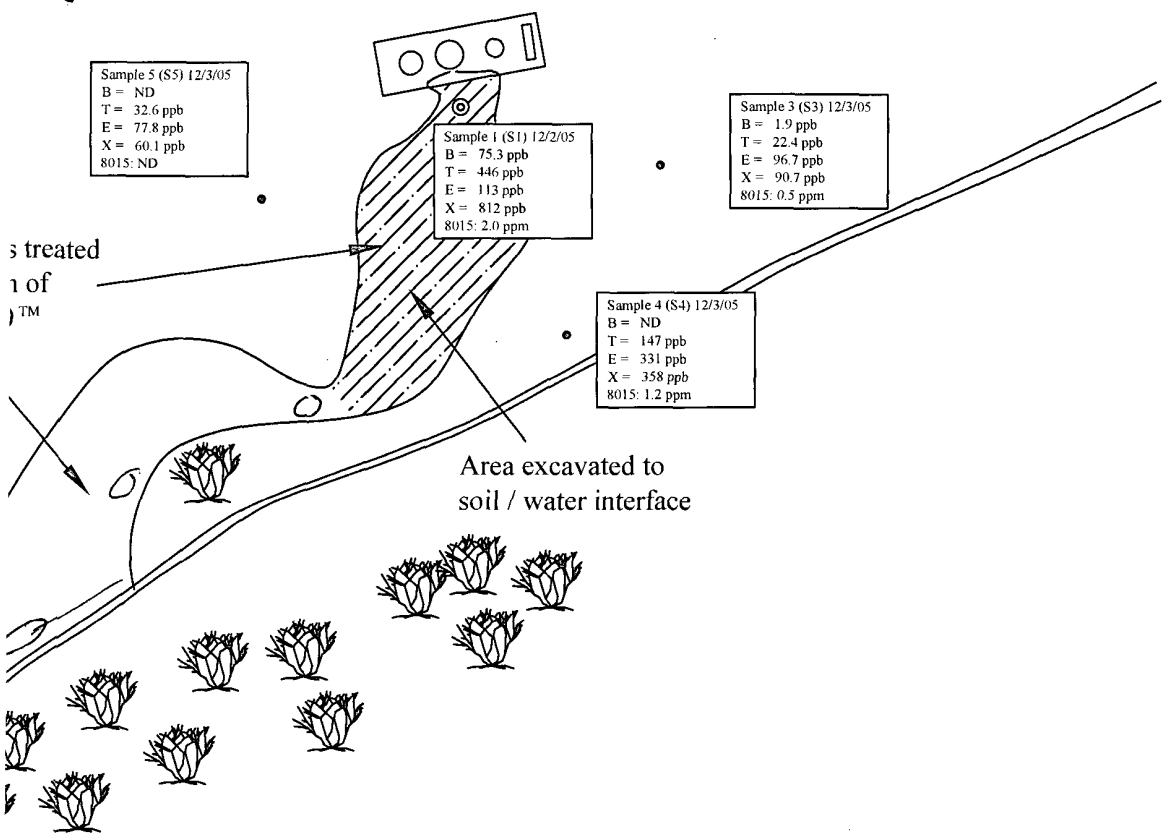


s treated
ı of
) TM

rea is 946'

Legend

- Projected path of release
- Cattails and reeds
- Floating booms
- Soil sample (8015 / 8021B)
- Water sample (8015 / 8021B)

Walsh Engineering
Tecumseh # 1
Sec 18, Twp 30N, Rng 11W
San Juan County, New Mexico

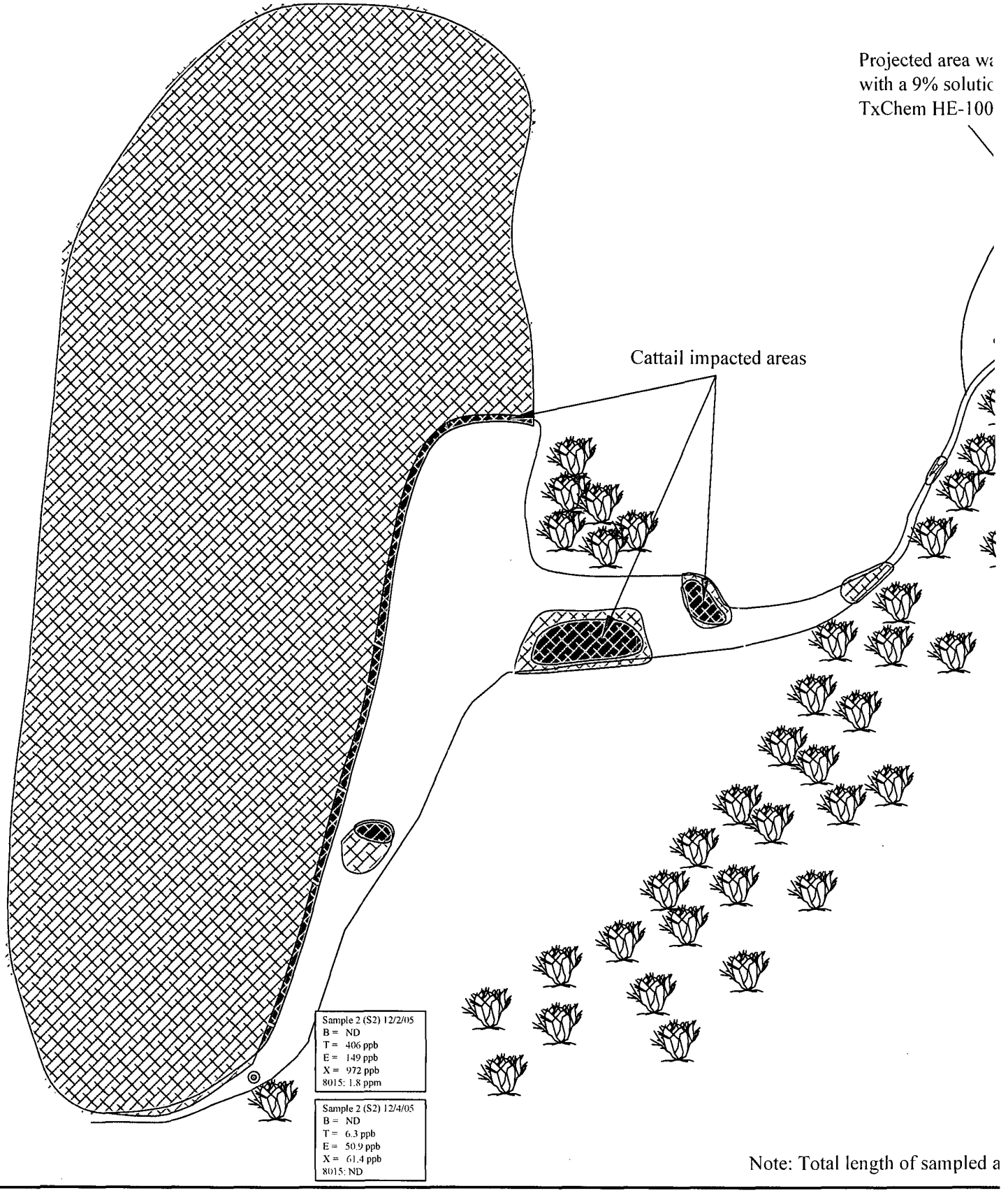
SCALE: 1"=80'	FIGURE NO. 2	REV
PROJECT NO. 05217-001		

REVISIONS

NO.	DATE	BY	DESCRIPTION

MAP DRWN	MPM	12/9/05	BASE DRWN	MPM	12/9/05

ENVIRONMENTAL SCIENTISTS & ENGINEERS
ENVIROTECH
5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615



Note: Total length of sampled a