Permit

Los Alamos
NATIONAL LABORATORY
EST. 1943

Environmental Stewardship Division
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Date: February 28, 2005
Refer To: ENV-DO: 05-012

RECEIVED
APR 2005
NMED Hazardous Waste Bureau

Ms. Waudelle Strickley
U.S. Environmental Protection Agency, Region 6
Compliance Assurance and Enforcement Division
Water Enforcement Branch (6EN-WC)
1445 Ross Ave., Suite 1200
Dallas, Texas 75202-2733

SUBJECT: SUPPLEMENTAL INFORMATION FOR THE INDIVIDUAL PERMIT APPLICATION FOR STORM WATER DISCHARGES FROM SOLID WASTE MANAGEMENT UNITS (SWMUs) AT LOS ALAMOS NATIONAL LABORATORY

Dear Ms. Strickley:

Enclosed are one original and one copy of Volumes III and IV of the Individual Permit Application for Storm Water Discharges from Solid Waste Management Units (SWMUs) at Los Alamos National Laboratory. This Application is being submitted by the U.S. Department of Energy (DOE) and the University of California (UC) in accordance with the requirements of the Federal Facilities Compliance Agreement (FFCA), dated February 3, 2005. Please note that NPDES Application (Volumes I and II), and General Form 1 and 2F were previously submitted on December 20, 2004.

Volumes III and IV of this Application reflect information from watersheds designated as Group II which includes: (1) Form 2F Additional Material Submittal covering remaining watershed scale information; and (2) Form 2F Additional Maps covering watershed and sub-basin scale drainage areas. The final volumes of the Application submittal covering Group II site-specific information will be submitted no later than March 31, 2005.

We appreciate the assistance provided by Mr. Taylor Sharpe, Mr. Isaac Chen, and Mr. Scott Wilson during the preparation of this Application. We will continue to work closely with EPA and NMED during the permit development process in order to assure completion of a final permit which will meet all applicable regulatory requirements under the Clean Water Act.

16254

If you need additional information regarding this second submittal, please contact Steve Veenis at (505) 667-0013 or Gene Turner at (505) 667-5794.

Sincerely,

Kenneth M. Hargis

Kenneth M. Hargis
Acting Division Director
Environmental Stewardship Division

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ENV-DO Files, w/enc., MS J591
IM-5, w/enc., MS A150

Certification Statement:

Pursuant to 40 C.F.R. § 122.22(d) and Page 11, Paragraph 31 of the Federal Facilities Compliance Agreement (FFCA) Docket No. CWA-06-2005-1701:

"I certify under penalty of law that this document and all accompanying attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Kenneth M. Hargis

Date 2/28/05

Kenneth M. Hargis
Acting Division Leader
Environmental Stewardship Division (ENV-DO)

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Los Alamos National Laboratory
Solid Waste Management Unit (SWMU) Monitoring
Individual Storm Water Permit - Permit Application

Volume 3 – Form 2F Additional Material Submittal

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Prepared by: University of California, Los Alamos National Laboratory
Environmental Stewardship Division,
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SMWU Specific Permit Application Team, Los Alamos, New Mexico.

February 2005

LA-UR-05-1337

LA-UR-05-1337

Approved for public release; distribution is unlimited.

Title: Los Alamos National Laboratory NPDES Industrial Storm Water Individual Permit Application, Volumes 3 & 4

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Submitted to: Environmental Protection Agency – Region 6, Dallas TX

Los Alamos
NATIONAL LABORATORY

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FORM 836 (10/96)

SUMMARY OF APPLICATION VOLUMES

The Individual Storm Water Permit Application for the Los Alamos National Laboratory facility located in Los Alamos, New Mexico is being submitted in several volumes. The table below briefly describes the contents of each submittal. The Introduction and Background sections of Volumes 1, 3, and 5 discuss the structure of the submittals and information in the respective volumes. Group 1 watersheds include Los Alamos/ Pueblo, Sandia, and Mortandad; and Group 2 watersheds include Pajarito, Water/Canon de Valle, Ancho, and Chaquehui.

Volume	Submittal Date	Watersheds	Contents
1	December 31, 2004	Group 1	Initial submittal for Group 1 watersheds providing: ❑ EPA Form 1 (signature and completed sections, maps not included) ❑ NPDES Form 2F(signature and completed sections, maps not included) ❑ Supporting materials (Acronym List, Introduction and Background, Implementation Plan, References)
2	December 31, 2004	Group 1	Accompanies Volume 1: ❑ Maps required by EPA Form 1 ❑ Maps required by NPDES Form 2F Section III
3	February 28, 2005	Group 2	Partial additional material submittal for Group 2 watersheds providing: ❑ NPDES Form 2F – additional material for Sections I, III, IV and VII; maps not included ❑ Supporting materials (Acronym List, Introduction and Background, References)
4	February 28, 2005	Group 2	Accompanies Volume 3: ❑ Maps required by NPDES Form 2F Section III - Group 2 gage station sub-basin maps
5	March 31, 2005	Group 1 and Group 2	Complete and final submittal for Group 1 and Group 2 watersheds
6	March 31, 2005	Group 1 and Group 2	Accompanies Volume 5; complete and final submittal of maps for Group 1 and Group 2 watersheds

TABLE OF CONTENTS
VOLUME 3

Tab	Sub-Tab	Additional Material Included in Volume 3
SIGNED FORMS	EPA Form 1	No
	NPDES Form 2F	No
SUPPORTING MATERIAL	Table of Contents and Acronym List	Yes
	Introduction and Background	Yes
	Implementation Plan	No
	References	Yes
FORM 2F DATA AND INFORMATION	I. Outfall Location	Yes
	II. Improvements	No
	III. Site Drainage Maps	Yes
	IV. Description of Pollutant Sources	Yes
	V. Non Storm Water Discharges	No
	VI. Significant Leaks or Spills	No
	VII. Discharge Information	Yes
	VIII. Biological Toxicity Testing Data	No
	IX. Contract Analysis Information	No

List of Tables

Sub-Tab	Tables
Introduction and Background	Table IB-1. Watersheds and Sub-Watersheds at Los Alamos National Laboratory
Section I – Outfall Locations	Table I-1. Los Alamos National Laboratory Gage Station Outfall Locations
Section III – Site Drainage Maps	Table III-1. Drainage Areas for Gage Stations and Associated Sites
	Table III-4. SMA Drainage Areas, Group 2
	Table III-5. List of Additional Section III Maps
Section IV – Description of Pollutant Sources	Table IV-3. Site Structural Controls, Group 2
Section VII – Discharge Information	Table VII-6. Gage Station Discharge Information, Group 2

EPA Form 1

There are no revisions to the contents of this section provided in Volume 1 of this application, submitted on December 20, 2004.

NPDES Form 2F

There are no revisions to the contents of this section provided in Volume 1 of this application, submitted on December 20, 2004.

ACRONYM LIST

AEC	Atomic Energy Commission
ALARA	as low as reasonably achievable
AOC	Area of Concern
BMP	best management practice
BV	background value [for inorganics]
CMP	corrugated metal pipe
COPC	chemicals of potential concern
CWA	Clean Water Act
D&D	decontamination and decommissioning
DOE	U.S. Department of Energy
ENV	Environmental Stewardship Division
ENV-WQH	Environmental Stewardship Division Water Quality and Hydrology Group
EPA	U.S. Environmental Protection Agency
EQL	estimated quantitation limit
ER	Environmental Restoration [Project]
ESH	Environment, Safety, and Health [Division]
ESR	[Los Alamos National Laboratory] environmental surveillance report
FFCA	Federal Facility Compliance Agreement
FUSRAP	Formerly Utilized MED/AEC Sites Remedial Action Program
FV	fallout value [for radionuclides]
HE	high explosives
HRL	Health Research Laboratory
HSWA	Hazardous and Solid Waste Amendment
IA	interim action
ICPMS	inductively coupled plasma mass spectrometry
LAMC	Los Alamos Medical Center
LANL	Los Alamos National Laboratory
LASCP	Los Alamos Site Characterization Program
LC/TS-MS	liquid chromatography thermospray mass spectrometry
LLW	low level waste
MDA	minimum detectable activity
MDA	material disposal area

MDL	method detection limit
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
µg/L	micrograms per liter
MSGP	Multi-Sector General Permit
NFA	no further action
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NOD	notice of deficiency
NOV	notice of violation
NPDES	National Pollutant Discharge Elimination System
OEW	ordinance exposed by weather
OU	Operable Unit
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl [compound]
pCi/g	picoCuries per gram
pCi/L	picoCuries per liter
PRS	potential release site
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RLW	radioactive liquid waste
RLWLR	Radioactive Liquid Waste Line Removal [Project]
SAL	screening action level
SAP	sampling and analysis plan
SIC	standard industrial classification
SMA	Site Monitoring Area
SOP	Standard Operating Procedure
SWAT	Surface Water Assessment Team
SWCS	Sanitary Waste Collection System
SWMU	Solid Waste Management Unit
SWPPP	Storm Water Pollution Prevention Plan
TA	Technical Area
TCLP	Toxicity Characteristic Leaching Procedure
TRU	transuranic
TSD	treatment, storage and disposal

UC	University of California
ULR	Unassigned Land Reserve
USGS	United States Geological Survey
UST	underground storage tank
VCA	voluntary corrective action
VCP	vitreous clay pipe
VCM	voluntary corrective measure
VOC	volatile organic compound
WAC	waste acceptance criteria
WWTP	Wastewater Treatment Plant

INTRODUCTION AND BACKGROUND

This section provides information regarding the scope and content of this additional material submittal that supplements the Individual Storm Water Permit Application for the Los Alamos National Laboratory (LANL, the Laboratory) facility located in Los Alamos, New Mexico. The application and additional material are being submitted to the U. S. Environmental Protection Agency (EPA) by the U.S. Department of Energy (DOE) and the University of California (UC). The UC and DOE are co-permittees for the Laboratory's existing National Pollutant Discharge Elimination System (NPDES) permits for process wastewater (Permit No. NM0028355, EPA 2001) and the Multi-Sector General Permit (MSGP) for storm water discharge (Permit Nos. NMR05A734 and NMR05A735, EPA 2000).

Based on negotiations between LANL, DOE, EPA Region 6, and the New Mexico Environment Department (NMED), the application was submitted on December 20, 2004 to meet the December 31, 2004 submittal requirements as defined in the Federal Facility Compliance Agreement (FFCA) dated February 3, 2005 (EPA 2005). Additionally, per the LANL Implementation Plan (see Volume 1, "Implementation Plan", of the December 20, 2004 application submittal), an intermediate date of February 28, 2005 was selected to complete certain portions of the application. This additional material submittal meets the requirements for the February 28, 2005 submittal per the Implementation Plan.

Due to the extent of additional material required to complete NPDES Form 2F of the application, additional material is being provided in two binders, Volume 3 and Volume 4. Volume 3 consists of supporting information and data for certain sections of NPDES Form 2F. Volume 4 consists of additional maps supporting NPDES Form 2F.

Additional Material Submittal Purpose and Scope

The purpose of the FFCA is to establish a compliance program for the regulation of storm water discharges from Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs), which are collectively referred to as Sites, at LANL until such time as those discharges are regulated under the Individual Storm Water Permit. The Laboratory's Environmental Stewardship Division (ENV) Water Quality and Hydrology Group (ENV-WQH) is submitting this additional material to provide coverage for storm water discharges from the specific Sites that are subject to the requirements of the FFCA.

The application and additional material are intended to address storm water discharge from the Sites, and initiates the transition for NPDES coverage of storm water discharge from Sites from the current MSGP to an Individual Storm Water Permit. Watershed-scale gage station storm water runoff data are provided in the application to represent conditions at the upstream Sites and SMA drainage areas and augment the smaller amount of data currently available for the Sites.

The FFCA establishes a compliance program for the regulation of storm water discharges from Sites located at the LANL facility until such time as those sources are regulated by an Individual Storm Water Permit to be issued by the EPA pursuant to NPDES. The FFCA has two primary submittal dates with respect to the Individual Storm Water Permit Application.

- December 31, 2004 – Submittal of a signed Individual Storm Water Permit Application for the Sites, including Form 1 and Form 2F.
- March 31, 2005 – Submittal of any additional materials and information required to make the application administratively complete.

The Individual Storm Water Permit Application, submitted to the EPA on December 20, 2004, as Volume 1 and Volume 2, meets the requirement for the December 31, 2004 submittal. This additional material, submitted as Volume 3 and Volume 4, meets the requirement for the February 28, 2005 submittal per the LANL Implementation Plan. The submittal of all additional materials and information will be completed by March 31, 2005.

Information Provided in This Additional Material

The application submitted on December 31, 2004, has been organized according to the major watershed in which Sites are located. Table IB-1 lists the seven major watersheds, and their associated sub-watersheds. By convention, watersheds are listed in north-to-south order. Sub-watersheds are listed in north-to-south and west-to-east (downgradient direction to the Rio Grande) order. This convention is applied to all the supporting tables provided in the application and in this additional material.

Three watersheds within the LANL facility boundary are designated as Group 1 and were addressed in the December 31, 2004, submittal:

- Los Alamos/Pueblo
- Sandia
- Mortandad

The following four watersheds are designated as Group 2 and are to be included in the additional material submitted by March 31, 2005 per the FFCA.

- Pajarito
- Water/Canon de Valle
- Ancho
- Chaquehui

A total of 324 Sites are listed in the FFCA for inclusion in the Individual Storm Water Permit. A total of 179 Sites are covered within the Group 1 watersheds and were included in the December 31, 2004 application submittal. An additional 145 Sites are covered within the Group 2 watersheds and are to be added to the application by March 31, 2005.

Sites are organized into Site Monitoring Areas (SMAs), sub-watersheds, and watersheds. Due to limited storm water data at the Site and SMA level, data from gage stations is included in this application to represent conditions at the upstream Sites and SMA drainage areas. Information

and data in this additional material is grouped according to the following hierarchy, starting at the watershed level:

- Watershed: The watershed in which the specific sub-watersheds, SMAs, and Sites are located.
- Sub-Watershed: A sub-area of the watershed with its own defined drainage area.
- Gage Station: Organized by watershed and sub-watershed, gage stations provide flow and/or water quality data that meet the requirements of the MSGP and that serve as supporting information for a Site and SMAs.
- SMA: An area related to one or more Sites or industrial activity based on a common drainage area within a sub-watershed.
- Site: Uniquely numbered potentially contaminated sites at the Laboratory which are identified as either Solid Waste Management Units (SWMUs) or Areas of Concern (AOCs). SWMUs and AOCs are collectively referred to as Sites.
- Site Consolidated Unit: Beginning in 1998, LANL worked with the NMED to consolidate some SWMUs and AOCs that are related by contaminant source, geographic location, and potential cumulative risk.

Additional Material for NPDES Form 2F

NPDES Form 2F - *Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity* - is the component of the application which requests specific information and data, by section. Due to the extent of LANL facility data and information, the standard Form 2F format for presenting data and information could not always be followed. To address this issue and to effectively present the extensive amounts of available data and information, supporting tables and maps have been provided. The locations of the supporting tables and maps are referenced within the appropriate section of NPDES Form 2F. Under the Volume 3 tab titled *Form 2F Data and Information*, there are nine associated sub-tabs which correspond to nine sections in Form 2F. This additional material submittal contains supplemental information for the following sections:

Section I: Outfall Location

The table of outfall locations, Table I-1, has been modified by removal of gage station E247 from the previously submitted list (see Volume 1 of the December 31, 2004 application submittal). Examination of detailed maps indicates that the E247 sub-basin does not contain any of the 324 Sites.

Section III: Site Drainage Map

Additional material submitted under Section III includes the LANL facility/watershed map, which has been modified from the previously submitted map (see Volume 2 of the December 31, 2004 application submittal) by removal of gage station E247. Table III-1, which lists the gage

station drainage areas, has been modified by removal of gage station E247 from the previously submitted list (see Volume 1 of the December 31, 2004 application submittal). Examination of detailed maps indicates that the E247 sub-basin does not contain any of the 324 Sites. Newly submitted material under Section III includes the following: Group 2 gage station sub-basin maps for Pajarito, Water/Canon de Valle, Ancho, and Chaquehui watersheds; Table III-4, listing the drainage areas for the Group 2 SMAs; and Table III-5, listing the subject and map numbers for the Group 2 gage station maps.

Section IV: Description of Pollutant Sources

Additional material submitted under Section IV includes Table IV-3, which lists the site structural controls implemented by LANL at both the watershed and Site-specific scale within the Pajarito, Water/Canon de Valle, Ancho, and Chaquehui watersheds.

Section VII: Discharge Information

Additional material submitted under Section VII, Part C consists of Table VII-6, which contains discharge information for the Group 2 gage stations located in Pajarito, Water/Canon de Valle, Ancho, and Chaquehui watersheds. Additional material for flow and storm event data for the Group 2 gage stations is included under Section VII, Part D.

Table IB-1
Watersheds and Sub-Watersheds at Los Alamos National Laboratory

Watershed	Sub-Watershed
Los Alamos/Pueblo	Rendija/Barrancas/Guaje
	Bayo
	Pueblo
	Acid
	Upper Los Alamos
	Middle Los Alamos/DP
	Lower Los Alamos
Sandia	Upper Sandia
	Lower Sandia
Mortandad	Upper Mortandad
	Middle Mortandad/Ten Site
	Lower Mortandad/Cedro
	Upper Canada del Buey
	Middle Canada del Buey
	Lower Canada del Buey
Pajarito	Twomile
	Upper Pajarito
	Threemile
	Lower Pajarito
Water/Canon de Valle	Canon de Valle
	S-Site (Martin)
	Upper Water
	Lower Water/Indio
	Potrillo/Fence
Ancho	North Ancho
	South Ancho
Chaquehui	Chaquehui

Note: Watersheds are listed in north-to-south order. Sub-watersheds are listed in north-to-south and west-to-east order.

Implementation Plan

There are no revisions to the contents of this section provided in Volume 1 of this application, submitted on December 20, 2004.

REFERENCES

The following references were used to provide data or information for the Los Alamos National Laboratory Individual Storm Water Permit Application and additional material submittal, and can be provided upon request.

40 CFR Part 136, *Guidelines Establishing Test Procedures for the Analysis of Pollutants.* http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr&sid=098d848f2b6eb9e4ace71d3e772cc991&tpl=/ecfrbrowse/Title40/40cfr136_main_02.tpl

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EPA 1980. US Environmental Protection Agency, *Prescribed Procedures for Measurement of Radioactivity in Drinking Water*, EPA-600/4-80-032. (August 1980) http://www.epa.gov/clariton/clhtml/pubtitleORD.html

EPA 1994. US Environmental Protection Agency, *Methods for the Determination of Metals in Environmental Samples, Supplement I,* EPA-600/R-94-111. (May 1994) http://www.epa.gov/clariton/clhtml/pubtitleORD.html

EPA 1998. US Environmental Protection Agency, *Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods*, Third Edition, EPA-SW-846, Draft Update IVA (May 1998) http://www.epa.gov/epaoswer/hazwaste/test/up4a.htm - Chapter

EPA 1999. US Environmental Protection Agency, *Perchlorate in Drinking Water using Ion Chromatography*, EPA-815/R-00-014. (November 1999) http://www.epa.gov/clariton/clhtml/pubtitleORD.html

EPA 2000: US Environmental Protection Agency, NPDES Permits No. NMR05A734 and NMR05A735, *Authorization to Discharge under the NPDES*, issued to the University of California and the DOE, respectively, effective December 23, 2000. Expiration date: December 20, 2005. (December 2000)

EPA 2001: US Environmental Protection Agency, NPDES Permit No. NM0028355, *Authorization to Discharge under the NPDES*, issued to the University of California and the U.S. Department of Energy, effective February 1, 2001. (February 2001)

EPA 2004. United States Environmental Protection Agency Region 6, In the Matter of United States Department of Energy and the Los Alamos National Laboratory, NPDES Nos. NMR05A735, NMR05A734, and NM0028355, Federal Facility Compliance Agreement, Draft for Public Comment. (October 2004) http://www.epa.gov/earth1r6/6en/w/public-notice-doe.htm

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LANL 2002. Los Alamos National Laboratory, *Environmental Surveillance at Los Alamos during 2002*. LA-13979-ENV. (September 2002)

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LANL 2003b. Los Alamos National Laboratory, *Draft Application Permit (Form 2F) for Discharges of Storm Water Associated with Solid Waste Management Units (SWMUs) at Los Alamos National Laboratory. December 1, 2003.* Refer to: RRES-WQH: 03-315 (December 2003)

LANL 2004a. Los Alamos National Laboratory, *Environmental Surveillance at Los Alamos during 2002*. LA-14085-ENV. (January 2004)

LANL 2004b. Los Alamos National Laboratory, *SOP-2.01, Standard Operating Procedure, Surface Water Site Assessments.* RES-RS 19990087. (February 2004)

LANL 2004c. Los Alamos National Laboratory, *Surface Water Data at Los Alamos National Laboratory 2003 Water Year*, D.A. Shaull, D. Ortiz, M.R. Alexander, and R.P. Romero, Los Alamos, New Mexico. LA-14131-PR. (March 2004)

LANL 2004d. Los Alamos National Laboratory, *Los Alamos National Laboratory NPDES Permit Re-Application, Permit No. NM0028355, August 2004.* LA-UR-04-495. Volume 1. NPDES Permit Re-Application. Volume 2. Appendices. (August 2004)

LANL 2004e. Los Alamos National Laboratory, *Cerro Grande Fire Impacts to Water Quality and Stream Flow near Los Alamos National Laboratory: Results of Four Years of Monitoring.* Gallaher, B.M., and Koch, R.J., Los Alamos, New Mexico. LA-14177. (September 2004)

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LANL 2004g. Los Alamos National Laboratory, *Los Alamos National Laboratory Storm Water Monitoring Plan, Revision 0.* LA-UR-04-2157. (November 2004)

New Mexico 2002: State of New Mexico, *"Standards for Interstate and Intrastate Surface Waters,"* 20.6.4 NMAC, as amended through October 11, 2002, New Mexico Water Quality Control Commission, Santa Fe, New Mexico. (October 2002) http://www.nmenv.state.nm.us/NMED_regs/swqb/20_6_4_nmac.html

Additional Reading

Bitner, K.A., et al., *Review of Wildfire Effects on Chemical Water Quality*, Los Alamos National Laboratory report LA-13826-MS (May 2001).

Buckley, K.J., et al., *Progress Report on Los Alamos National Laboratory Cerro Grande Fire Rehabilitation Activities*, Los Alamos National Laboratory report LA-UR-03-7139 (October 2003).

Gallaher, B.M., et al., *Quality of Storm Water Runoff at Los Alamos National Laboratory in 2000 with Emphasis on the Impacts of the Cerro Grande Fire*, Los Alamos National Laboratory report LA-13926 (May 2002).

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Mullen, K.I., *Watersheds and Wildfires: A View of the Cerro Grande Fire*, Los Alamos National Laboratory report LA-UR-00-5651 (2000).

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NPDES Form 2F Section I – Outfall Location

Introduction

National Pollutant Discharge Elimination System (NPDES) Form 2F Section I, shown following this introduction, requests information regarding the location of storm water outfalls related to watersheds and associated Sites covered under the permit application. For the purpose of the application, an outfall is defined as a gage station that records either flow or flow and concentration of measured constituents.

Additional data being provided for this section cannot be fully incorporated into the standard Form 2F Section I format. To best present the requested information and provide additional pertinent detail, Table I-1 was developed and is included in this section following Form 2F. Table I-1, has been modified by removal of gage station E247 from the previously submitted list (see Volume 1 of the December 31, 2004 application submittal). Examination of detailed maps indicates that the E247 sub-basin does not contain any of the 324 Sites subject to the Federal Facility Compliance Agreement (EPA 2005).

Table I-1 provides the following outfall information for all gage stations at Los Alamos National Laboratory (LANL) that contain Sites within the gage station drainage area.

- Station Identification: Unique identification number which increases in downstream order following the United States Geological Survey gage numbering convention.
- Station Name: Specific name denoting the watershed or sub-watershed in which the station is located and additional location detail.
- X and Y Coordinates: Outfall location coordinates, measured to the one-tenth foot using Global Positioning System, based on New Mexico State Plane coordinates.
- Latitude and Longitude: Outfall location by latitude and longitude in decimal degrees to the fourth decimal point.
- Receiving Water: Outfall location to the canyon level, including the watershed and sub-watershed names.

The location data provided in Table I-1 is taken from the LANL Water Quality Database. The Water Quality Database is an Oracle-based information management system that is the repository for the results of storm water runoff monitoring conducted by Environmental Stewardship Division (ENV) Water Quality and Hydrology Group (ENV-WQH).

Form 2F and Associated Data

Form **2F** NPDES	EPA	United States Environmental Protection Agency Washington, DC 20460 **Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity**

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number *(list)*	B. Latitude	C. Longitude	D. Receiving Water *(name)*
PLEASE SEE ATTACHED TABLE I-1			

Section I. Outfall Location
Table I-1. Outfall Locations

Station ID	Station Name	X Coordinate (ft)	Y Coordinate (ft)	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Receiving Water		
						Canyon	Watershed	Sub-Watershed
Los Alamos/Pueblo Watershed								
E030	Los Alamos above DP Canyon	1637439.7	1772888.2	35.8726	-106.2600	Los Alamos Canyon	Los Alamos/Pueblo	Middle Los Alamos/DP
E038	DP above TA-21	1630695.7	1775656.0	35.8802	-106.2828	DP Canyon	Los Alamos/Pueblo	Middle Los Alamos/DP
E039	DP below Meadow at TA-21	1633197.8	1774874.0	35.8780	-106.2744	DP Canyon	Los Alamos/Pueblo	Middle Los Alamos/DP
E040	DP above Los Alamos Canyon	1637562.6	1773153.3	35.8733	-106.2596	DP Canyon	Los Alamos/Pueblo	Middle Los Alamos/DP
E042	Los Alamos above SR-4	1648153.8	1770881.8	35.8671	-106.2239	Los Alamos Canyon	Los Alamos/Pueblo	Lower Los Alamos
E055	Pueblo above Acid	1624408.8	1778875.1	35.8890	-106.3040	Pueblo Canyon	Los Alamos/Pueblo	Pueblo
E055.5	South Fork of Acid Canyon	1623474.7	1777841.2	35.8862	-106.3072	Acid Canyon	Los Alamos/Pueblo	Pueblo
E056	Acid above Pueblo	1624436.1	1778804.1	35.8888	-106.3040	Acid Canyon	Los Alamos/Pueblo	Pueblo
E060	Pueblo above SR-502	1650231.8	1772264.0	35.8709	-106.2169	Pueblo Canyon	Los Alamos/Pueblo	Pueblo
E090	Rendija above Guaje	1647297.3	1786979.8	35.9113	-106.2268	Rendija Canyon	Los Alamos/Pueblo	Rendija/Barrancas/Guaje
E110	Los Alamos at Rio Grande	1669985.2	1776709.3	35.8830	-106.1502	Los Alamos Canyon	Los Alamos/Pueblo	Lower Los Alamos
Sandia Watershed								
E121	Sandia right fork at Power Plant	1620151.6	1773793.7	35.8751	-106.3184	Sandia Canyon	Sandia	Upper Sandia
E122	Sandia left fork at Asphalt Plant	1620114.1	1773924.5	35.8754	-106.3185	Sandia Canyon	Sandia	Upper Sandia
E122.2	Sandia Tributary from Roads and Grounds	1620252.6	1774100.7	35.8759	-106.3197	Sandia Canyon	Sandia	Upper Sandia
E122.4	Sandia tributary at Salvage Yard	1621728.0	1772717.7	35.8721	-106.3131	Sandia Canyon	Sandia	Upper Sandia
E122.5	Sandia Tributary at Heavy Equipment	1621760.0	1772997.8	35.8729	-106.3130	Sandia Canyon	Sandia	Upper Sandia
E123	Sandia below Wetlands	1622680.0	1773064.0	35.8731	-106.3099	Sandia Canyon	Sandia	Upper Sandia
E124	Sandia above Firing Range	1637136.6	1769931.3	35.8645	-106.2611	Sandia Canyon	Sandia	Lower Sandia
E125	Sandia above SR-4	1647470.5	1767968.0	35.8591	-106.2262	Sandia Canyon	Sandia	Lower Sandia
Mortandad Watershed								
E200	Mortandad below Effluent Canyon	1626746.7	1770272.0	35.8654	-106.2961	Mortandad Canyon	Mortandad	Upper Mortandad
E201	Mortandad above Ten Site	1633072.3	1769387.5	35.8630	-106.2748	Mortandad Canyon	Mortandad	Middle Mortandad/Ten Site
E201.3	Ten Site below MDA C	1626468.1	1768864.8	35.8615	-106.2971	Ten Site Canyon	Mortandad	Middle Mortandad/Ten Site
E201.5	Ten Site above Mortandad	1633029.5	1768474.5	35.8605	-106.2749	Ten Site Canyon	Mortandad	Middle Mortandad/Ten Site
E203	Mortandad below Sediment Traps	1634969.7	1768628.0	35.8609	-106.2684	Mortandad Canyon	Mortandad	Middle Mortandad/Ten Site
E204	Mortandad at LANL Boundary	1641813.6	1766790.2	35.8558	-106.2453	Mortandad Canyon	Mortandad	Lower Mortandad/Cedro
E218	Canada del Buey near TA-46	1631931.8	1766736.0	35.8557	-106.2786	Canada del Buey	Mortandad	Upper Canada del Buey
E225	Canada del Buey near MDA G	1643550.7	1758721.2	35.8337	-106.2394	Canada del Buey	Mortandad	Lower Canada del Buey
E227	MDA G-13	1643540.0	1758433.3	35.8329	-106.2395	Canada del Buey	Mortandad	Lower Canada del Buey

Section I. Outfall Location
Table I-1. Outfall Locations

Station ID	Station Name	X Coordinate (ft)	Y Coordinate (ft)	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)	Receiving Water		
						Canyon	Watershed	Sub-Watershed
Pajarito Watershed								
E242	Starmers above Pajarito	1614661.8	1767989.8	35.8591	-106.3369	Starmer	Pajarito	Upper Pajarito
E242.5	La Delfe above Pajarito	1616053.5	1767184.0	35.8569	-106.3322	La Delfe	Pajarito	Upper Pajarito
E243	Pajarito above Twomile	1626607.7	1766072.0	35.8539	-106.2966	Pajarito Canyon	Pajarito	Upper Pajarito
E244	Twomile above Pajarito	1626724.0	1766194.3	35.8542	-106.2962	Two Mile Canyon	Pajarito	Twomile
E246	Threemile above Pajarito	1634074.3	1760712.0	35.8391	-106.2714	Three Mile Canyon	Pajarito	Threemile
E248	MDA G-2	1642589.3	1757438.7	35.8301	-106.2427	Pajarito Canyon	Pajarito	Lower Pajarito
E248.5	MDA G-6U	1644328.0	1757117.5	35.8293	-106.2368	Pajarito Canyon	Pajarito	Lower Pajarito
E249	MDA G-4	1643944.3	1756821.3	35.8285	-106.2381	Pajarito Canyon	Pajarito	Lower Pajarito
E249.5	MDA G-7	1644964.0	1757291.7	35.8297	-106.2347	Pajarito Canyon	Pajarito	Lower Pajarito
E250	Pajarito above SR-4	1646954.7	1755232.0	35.8241	-106.2279	Pajarito Canyon	Pajarito	Lower Pajarito
Water/Canon de Valle Watershed								
E256	Canon de Valle below MDA P	1616000.1	1764764.1	35.8502	-106.3324	Canon de Valle	Water/Canon de Valle	Canon de Valle
E257	Canon de Valle tributary at Burn Grounds	1616474.8	1763409.1	35.8465	-106.3308	Canon de Valle	Water/Canon de Valle	Canon de Valle
E260	Water above S Site Canyon	1623395.5	1757679.5	35.8308	-106.3074	Water Canyon	Water/Canon de Valle	Upper Water
E261	S Site Canyon above Water	1623337.8	1757740.0	35.8310	-106.3076	S-Site Canyon	Water/Canon de Valle	S-Site (Martin)
E262	Canon de Valle above Water	1624410.0	1757742.0	35.8310	-106.3040	Canon de Valle	Water/Canon de Valle	Canon de Valle
E262.5	Water below MDA AB	1630275.2	1755616.7	35.8251	-106.2842	Water Canyon	Water/Canon de Valle	Lower Water/Indio
E266	Potrillo at Lower Slobbovia	1637658.6	1757281.3	35.8297	-106.2593	Potrillo Canyon	Water/Canon de Valle	Potrillo/Fence
E267	Potrillo above SR-4	1645342.8	1751325.0	35.8134	-106.2334	Potrillo Canyon	Water/Canon de Valle	Potrillo/Fence
E267.5	Fence below Meenie	1638623.7	1753779.8	35.8201	-106.2560	Fence Canyon	Water/Canon de Valle	Potrillo/Fence
Ancho Watershed								
E274	Ancho north fork below SR-4	1639984.0	1741640.7	35.7867	-106.2515	Ancho Canyon	Ancho	North Ancho
Chaquehui Watershed								
E338	Chaquehui at TA-33	1639793.3	1735450.6	35.7697	-106.2521	Chaquehui Canyon	Chaquehui	Chaquehui
E340	Chaquehui tributary at TA-33	1640308.0	1739044.7	35.7796	-106.2504	Chaquehui Canyon	Chaquehui	Chaquehui

NPDES Form 2F Section II – Improvements

There are no revisions to the contents of this section provided in Volume 1 of this application, submitted on December 20, 2004.

Form 2F and Associated Data

Form 2F NPDES	United States Environmental Protection Agency Washington, DC 20460 **Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity**

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map Is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structure control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each are not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

PLEASE SEE ATTACHED TABLES III-1, III-4 and III-5
AND MAPS IN "NPDES Form 2F, Section III Maps"
IN VOLUME 4 OF THIS APPLICATION

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E030					**5683.3**
E030	00-010(a)		Surface disposal site	51.5	
E030	00-017		Waste Lines	67.5	
E030	00-030(i)		Septic system	54.5	
E030	01-001(c)	01-001(a)-99	Septic tank 137	76.5	
E030	01-001(d)	01-001(a)-99	Septic tank 138 (hillside)	74.5	
E030	01-001(f)	01-001(a)-99	Septic tank 140 (hillside)	56.7	
E030	01-003(a)	01-001(a)-99	Landfill	79.0	
E030	01-003(d)		Surface disposal site	49.5	
E030	01-003(e)	01-001(a)-99	Surface disposal site	83.0	
E030	01-006(b)	01-001(a)-99	Drains and outfalls	76.5	
E030	01-006(c)	01-001(a)-99	Drains and outfalls	76.5	
E030	01-006(d)	01-001(a)-99	Drains and outfalls	76.5	
E030	01-006(n)	01-001(a)-99	Drains and outfalls	76.5	
E030	02-003(a)		Reactor facility	57.6	
E030	02-003(e)		Holding tank (near reactor water boiler)	40.5	
E030	02-006(b)		Inactive Acid Waste Line	51.8	
E030	02-007	02-007-00	Septic system	44.8	
E030	02-008(a)		Outfall	55.8	
E030	02-009(a)	02-007-00	Non-intentional release	57.0	
E030	02-009(b)	02-007-00	Non-intentional release	44.8	
E030	02-009(c)	02-007-00	Non-intentional release	51.3	
E030	02-011(a)		Storm drain and outfall	57.0	
E030	21-013(b)	21-018(a)-99	Surface disposal site	67.0	
E030	21-013(g)	21-018(a)-99	Surface disposal site	67.0	
E030	21-024(e)		Septic system	56.0	
E030	21-024(i)		Septic system	53.7	
E030	21-027(a)		WWTF	52.0	
E030	21-027(b)		Outfalls	46.8	
E030	21-027(d)	21-027(d)-99	Drainline	56.6	
E030	32-004		Drain line and outfall	42.0	
E030	53-012(a)		Outfall	62.0	
E030	53-012(b)		Outfall	55.0	
E030	C-41-004		Storm drains	52.8	
E030	C-43-001		Outfall	45.4	
E038					**123.6**
E038	21-029		Soil Contamination	56.6	
E039					**96.4**
E039	21-011(c)	21-016(a)-99	Tank and Sump	54.0	
E039	21-011(k)		Outfall	72.0	
E039	21-016(a)	21-016(a)-99	MDA T	54.0	
E039	21-016(b)	21-016(a)-99	MDA T	54.0	
E039	21-016(c)	21-016(a)-99	MDA T	54.0	
E039	21-024(h)		Septic system	54.0	
E039	73-007	73-005-99	septic tank and drainlines	56.0	
E039	C-73-005(a)	73-005-99	excavation (unlined septic tank/outhouse trench)	47.2	

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E039	C-73-005(b)	73-005-99	excavation (unlined septic tank/outhouse trench)	47.2	
E040					**366.1**

Section III. Site Drainage Map
Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E042					**6653.6**
E042	26-001		Surface Disposal	65.0	
E042	53-002(a)	53-002(a)-99	Disposal lagoon inactive (NE, NW impoundments)	47.8	
E042	53-008		Storage area, Boneyard	61.8	
E042	53-012(c)		Outfall	62.0	
E055					**2191.7**
E055	00-018(a)		WWTF	42.8	
E055.5					**54**
E055.5	01-002(b)-00	45-001-00	Outfall	71.5	
E055.5	45-001	45-001-00	WWTF	50.3	
E055.5	45-004	45-001-00	Sanitary Sewer Outfall	50.2	
E056					**289.4**
E056	00-030(g)		Septic system	47.2	
E056	01-002(b)-00	45-001-00	Outfall	71.5	
E056	45-001	45-001-00	WWTF	50.3	
E056	45-004	45-001-00	Sanitary Sewer Outfall	50.2	
E060					**5114.7**
E060	00-019		Wastewater treatment plant, Central	51.5	
E060	73-001(a)	73-001(a)-99	Landfill	85.5	
E060	73-002	73-002-99	Incinerator surface disposal	56.0	
E060	73-004(d)	73-001(a)-99	Septic tank (land fill)	46.7	
E060	73-006	73-002-99	Airport bldg. Outfalls	56.0	
E090					**5344.7**
E090	C-00-041		Asphalt and tar remnant site	42.8	
E110					**2299.1**
E110	00-011(d)		Mortar Impact Area	73.8	
E110	00-029(b)		Transformer	42.8	
E121					**36.4**
E121	03-012(b)	03-012(b)-00	Operational release and outfall	65.0	
E121	03-045(b)	03-012(b)-00	Ind. or san. waste water treatment	65.0	
E121	03-045(c)	03-012(b)-00	Outfall	59.3	
E121	03-045(i)		Outfall (Ind. or san. waste water treatment)	46.5	
E121	03-056(c)		Transformer storage area - PCB only site	45.0	
E122					**62.8**
E122	03-003(m)		Storage area (Capacitor banks)	46.3	
E122	03-013(a)	03-013(a)-00	Operational release	45.0	
E122	03-013(b)		Operational release	45.0	
E122	03-052(f)	03-013(a)-00	Storm drainage	45.0	
E122.2					**1.9**
E122.2	03-009(a)	03-009(a)-00	Surface disposal	61.3	
E122.2	03-029	03-009(a)-00	Landfill	44.3	

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E122.4					**1.3**
E122.4	60-007(b)		Operational Release	43.8	
E122.5					**1.7**
E122.5	60-007(b)		Operational Release	43.8	
E123					**216.6**
E123	03-014(b2)	03-014(a)-99	Outfall	46.3	
E123	03-014(c2)	03-014(a)-99	Outfall	72.0	
E124					**948.8**
E124	20-002(a)	20-001(c)-00	Inactive Firing Site	48.6	
E124	53-014		Soil Contamination-Lead storage site II	80.5	
E125					**1323.3**
E125	20-002(c)	20-001(b)-00	Firing site	73.8	
E125	20-003(c)	20-001(b)-00	Firing site	57.4	
E125	53-012(d)		Outfall	49.3	
E125	72-001		Firing range	84.3	
E200					**287.5**
E200	03-009(c)		Construction debris area	42.0	
E200	03-012(a)		One-time spill	43.3	
E200	03-054(e)		Outfall	89.0	
E200	35-016(g)		Outfall	68.3	
E200	35-016(h)		Storm drain	76.5	
E200	42-001(a)	42-001(a)-99	Former incinerator	65.8	
E200	42-001(b)	42-001(a)-99	Former ash storage tank	65.8	
E200	42-001(c)	42-001(a)-99	Former ash storage tank	65.8	
E200	42-002(a)	42-001(a)-99	Decontam. facility (former location)	65.8	
E200	42-002(b)	42-001(a)-99	D&D Facility driveway	65.8	
E200	42-004		Canyon disposal	93.5	
E200	48-003		Septic system	65.5	
E200	48-007(a)	48-007(a)-00	Drains and outfalls	55.8	
E200	48-007(b)		Drains and outfalls	49.3	
E200	48-007(c)		Drains and outfalls	69.5	
E200	48-007(d)	48-007(a)-00	Drains and outfalls	55.8	
E200	48-007(f)		Drains and outfalls	76.5	
E200	48-010	48-007(a)-00	Surface Impoundment	80.3	
E200	50-006(d)		Effluent discharge	89.0	
E200	55-011(a)		Storm drain	46.3	
E200	55-011(b)		Storm drain	56.6	
E200	55-011(c)		Storm drain	50.3	
E200	55-011(e)		Storm drain	56.6	

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E201					**445.7**
E201	35-005(a)		Surface impoundment (closure) Bldg 85 duplicate of 35-006	45.6	
E201	35-006		Surface impoundment (closure) Bldg 85 duplicate of 35-005(a)	45.6	
E201	35-008	35-008-00	Surface disposal and landfil	61.0	
E201	35-014(e)	35-008-00	Oil Spill	61.0	
E201	35-014(e2)		Oil Spill	45.6	
E201	35-016(e)		Outfall	72.0	
E201	35-016(f)		Storm drain	76.5	
E201	35-016(i)	35-016(i)-00	Drains and outfalls	61.0	
E201	35-016(o)		Drains and outfalls	60.3	
E201	35-016(p)		Drains and outfalls	60.3	
E201.3					**13.6**
E201.3	50-006(a)		Operational release	77.8	
E201.3	50-009		MDA C	54.8	
E201.5					**201.1**
E201.5	04-001	04-001-99	Firing Site	43.9	
E201.5	04-002	04-001-99	Surface disposal	43.9	
E201.5	04-003(b)	04-001-99	Outfall	51.5	
E201.5	35-003(d)	35-003(d)-00	Waste water treatment facility	59.0	
E201.5	35-003(h)	35-003(d)-00	Waste water treatment facility	44.2	
E201.5	35-003(l)	35-003(d)-00	Waste water treatment facility	59.0	
E201.5	35-003(p)	35-003(d)-00	Waste water treatment facility	50.8	
E201.5	35-003(q)	35-003(d)-00	Waste water treatment facility	59.0	
E201.5	35-003(r)	35-003(d)-00	Outfall	87.0	
E201.5	35-004(h)		Container Storage	50.8	
E201.5	35-016(a)	35-016(a)-00	Drains and outfalls	92.0	
E201.5	35-016(b)		Outfall	96.0	
E201.5	35-016(c)	35-016(c)-00	Outfall	47.2	
E201.5	35-016(d)	35-016(c)-00	Outfall	76.5	
E201.5	35-016(k)	35-016(k)-00	Drains and outfalls	53.0	
E201.5	35-016(l)	35-016(k)-00	Storm drain	64.0	
E201.5	35-016(m)		Drains and outfalls	72.0	
E201.5	35-016(n)		Storm drain	42.8	
E201.5	35-016(q)	35-016(a)-00	Drains and outfalls	92.0	
E201.5	C-35-004		Operational release	73.5	
E201.5	C-35-005		Operational release	73.5	
E203					**791**
E203	05-001(a)	05-001(a)-99	Former Firing Site	45.0	
E203	05-005(a)	05-005(a)-00	Former French drain	45.0	
E203	05-006(b)	05-005(a)-00	Soil contamination beneath former bldgs.	45.0	
E203	05-006(e)	05-005(a)-00	Soil contamination beneath former bldgs.	45.0	

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E204					**1068.8**
E204	05-001(a)	05-001(a)-99	Former Firing Site	45.0	
E204	05-001(b)	05-001(a)-99	Former Firing Site	45.0	
E204	05-006(h)	05-001(a)-99	Soil contamination beneath former bldgs.	45.0	
E218					**198.4**
E218	04-003(a)	04-003(a)-00	Outfall	57.3	
E218	04-004	04-003(a)-00	Soil contamination beneath bldgs.	57.3	
E218	46-004(a)		Wasteline	49.0	
E218	46-004(a2)		Outfall	49.0	
E218	46-004(c2)		Outfall	49.0	
E218	46-004(g)	46-004(d2)-99	Outfall/Stack Emissions	56.0	
E218	46-004(h)	46-004(d2)-99	Outfall/Stack Emissions	56.0	
E218	46-004(i)		Outfall	49.0	
E218	46-004(j)		Outfall	49.0	
E218	46-004(m)		Outfall	49.0	
E218	46-004(o)		Outfall	49.0	
E218	46-004(q)		Outfall	30.5	
E218	46-004(u)		Outfall	45.0	
E218	46-004(v)		Outfall	45.0	
E218	46-004(x)		Outfall	49.0	
E218	46-004(y)		Outfall	49.0	
E218	46-004(z)		Outfall	49.0	
E218	46-006(d)		Operational release	49.0	
E225					**1011.2**
E225	46-002		Surface impoundment	52.8	
E225	46-003(a)		Septic system	44.7	
E225	46-003(b)		Septic system	55.5	
E225	46-003(e)		Septic system	50.8	
E225	46-004(d2)	46-004(d2)-99	Stack emissions	56.0	
E225	46-004(s)		Outfall/	49.0	
E225	46-004(t)		Outfall	68.3	
E225	46-005		Surface impoundment	52.8	
E225	46-008(g)		Storage area	68.3	
E225	46-009(a)		Surface disposal	74.5	
E225	46-009(b)		Surface disposal	70.0	
E225	54-007(c)	54-007(c)-99	Septic system	56.0	
E225	C-46-001		One-time spill	68.3	
E227					**7.8**
E227	54-017	54-013(b)-99	Inactive Disposal Pits	62.0	
E227	54-018	54-013(b)-99	Disposal Pits	52.6	
E227	54-020	54-013(b)-99	Disposal Shafts	53.7	

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E242					**524.8**
E242	08-005		Container Storage	51.0	
E242	08-006(a)		MDA Q	55.5	
E242	08-009(d)		Outfall	40.2	
E242	08-009(f)		Outfall	42.0	
E242	09-005(a)	09-008(b)-99	Septic system	51.0	
E242	09-013		Material disposal area (MDA M)	56.0	
E242.5					**339.2**
E242.5	09-004(o)		Settling tank	43.8	
E242.5	09-009		Surface impoundment	58.8	
E243					**2624**
E243	09-004(g)		Settling tank	61.8	
E243	09-005(g)		Septic system	51.0	
E243	22-015(c)		Outfall	51.5	
E243	40-003(a)		Scrap burn site	46.3	
E243	40-003(b)		Burning area/open detonation (closure)	46.3	
E243	40-006(a)		Firing site (active)	83.0	
E243	40-006(b)		Firing site (active)	62.0	
E243	40-006(c)		Firing site (active)	62.0	
E243	40-009		Landfill	76.5	
E243	40-010		Surface disposal site	40.2	
E244					**1911.2**
E244	03-009(d)		Surface disposal site	64.8	
E244	03-010(a)		Former vacuum repair shop	69.0	
E244	03-054(b)	03-052(a)-00	Outfall	65.8	
E244	03-055(a)		Outfall	61.0	
E244	03-055(b)		Outfall	73.5	
E244	06-007(g)		Building & surface disposal	50.8	
E244	07-001(b)	07-001(a)-99	Inactive Firing Site	55.5	
E244	07-001(c)	07-001(a)-99	Inactive Firing Site	51.0	
E244	07-001(d)	07-001(a)-99	Inactive Firing Site	55.5	
E244	22-014(b)		Sump	56.0	
E246					**979.2**
E246	15-006(c)	15-006(c)-99	Firing site R-44 (inactive)	67.2	
E246	15-008(b)	15-006(c)-99	Surface disposal	67.2	
E246	15-009(c)		Septic tank	71.5	
E246	36-008		Surface Disposal Area	52.0	
E246	C-36-003		Storm drainages	52.0	
E248					**10**
E248	54-018	54-013(b)-99	Disposal Pits	52.6	
E248.5					**18.9**
E248.5	54-017	54-013(b)-99	Inactive Disposal Pits	62.0	
E248.5	54-020	54-013(b)-99	Disposal Shafts	53.7	

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E249					**4.5**
E249	54-014(d)	54-013(b)-99	Inactive Disposal Trenches	66.5	
E249	54-017	54-013(b)-99	Inactive Disposal Pits	62.0	
E249	54-020	54-013(b)-99	Disposal Shafts	53.7	
E249.5					**4.9**
E249.5	54-017	54-013(b)-99	Inactive Disposal Pits	62.0	
E249.5	54-020	54-013(b)-99	Disposal Shafts	53.7	
E250					**6976**
E250	18-003(c)		Septic system	62.3	
E250	18-010(d)		Outfall	46.2	
E250	18-010(f)		Outfall	62.3	
E250	18-012(a)		Outfall	59.2	
E250	18-012(b)		Outfall	46.6	
E250	54-004		MDA H	45.6	
E256					**2076.7**
E256	16-001(a)	16-001(a)-99	Tank	67.0	
E256	16-001(b)	16-001(a)-99	Dry well	45.0	
E256	16-001(c)	16-001(a)-99	Tank	45.0	
E256	16-010(b)		Burn site - RCRA Unit	55.5	
E256	16-016(c)	16-016(c)-99	Landfill	72.0	
E256	16-016(d)		Land disposal	44.5	
E256	16-018		MDA P	69.3	
E256	16-019		MDA R	83.0	
E256	16-020		Silver recovery unit	61.3	
E256	16-021(c)	16-021(c)-99	Outfall	73.3	
E256	16-026(j)		Outfall	40.2	
E256	16-029(s)	16-008(a)-99	Sump	45.5	
E256	16-029(t)	16-008(a)-99	Sump	41.5	
E257					**26.2**
E257	16-010(c)		Burn site - RCRA Unit	47.2	
E257	16-010(d)		Burn site - RCRA Unit	50.3	
E257	16-010(g)		Waste water treatment facility	46.0	
E257	16-028(a)		South Drainage	51.5	
E260					**3641.6**
E260	11-001(c)		Inactive Firing Site	56.2	
E260	16-001(d)		Dry well	45.6	
E260	16-003(a)		Sump TA-16-410	55.5	
E260	16-006(c)	16-006(c)-00	Septic system	49.5	
E260	16-006(g)	16-029(x)-99	Septic system	46.0	
E260	16-016(g)		Land disposal	46.1	
E260	16-026(a)	16-006(c)-00	Outfall	73.5	
E260	16-026(c2)		Outfall TA-16-462	61.8	
E260	16-026(h2)	16-029(e)-99	Outfall TA-16-360	61.0	
E260	16-026(v)	16-003(c)-99	Outfall	65.8	
E260	16-028(b)		SWWTF TA-16-370	83.0	
E260	16-028(e)	16-029(g)-99	SWWTF TA-16-450	47.2	
E260	16-030(g)		Outfall	71.0	

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E261					**451**
E261	11-003(a)		Mortar impact area	81.0	
E261	11-003(b)		Air Gun	55.5	
E261	11-004(a)	11-004(a)-99	Drop tower - Firing Site	56.0	
E261	11-004(b)	11-004(a)-99	Drop tower - Firing Site	56.0	
E261	11-004(c)	11-004(a)-99	Drop tower - Firing Site	56.0	
E261	11-004(d)	11-004(a)-99	Drop tower - Firing Site	56.0	
E261	11-004(e)	11-004(a)-99	Drop tower - Firing Site	56.0	
E261	11-004(f)	11-004(a)-99	Drop tower - Firing Site (active)	56.0	
E261	11-005(c)		WWT	59.0	
E261	11-006(b)	11-006(a)-99	Tank and equip.	52.0	
E261	11-006(c)	11-006(a)-99	Tank and equip.	68.8	
E261	11-006(d)	11-006(a)-99	Tank and equip.	74.0	
E261	16-003(f)	16-003(d)-99	Sump TA-16-304	56.0	
E261	16-026(z)		Outfall	49.6	
E262					**2649.6**
E262	14-001(g)		Firing site - active Open Burn/Open Detonation	53.3	
E262	14-002(a)	14-002(a)-99	Firing site (inactive)	51.5	
E262	14-002(d)	14-002(c)-99	Firing site (inactive)	40.8	
E262	14-002(e)	14-002(c)-99	Firing site (inactive)	47.8	
E262	14-005		Incinerator (active)	57.3	
E262	14-006		Sump	47.1	
E262	14-009	14-002(a)-99	Surface disposal site	53.7	
E262	14-010	14-002(a)-99	Sump	51.5	
E262	15-007(b)		Material disposal area (MDA Z) Landfill	40.2	
E262	15-008(d)		Surface disposal	69.0	
E262	15-011(b)	15-009(a)-00	Dry well	87.0	
E262	15-011(c)	15-009(a)-00	Sump	87.0	
E262	15-014(g)		Ind. or san. wastewater treat.	55.5	
E262	15-014(j)	15-009(a)-00	Outfall	61.3	
E262	C-15-007		Non-intentional release	51.5	
E262.5					**7232**
E262.5	15-010(c)		Drainline	51.5	
E262.5	49-001(a)	49-001(a)-00	MDA AB	54.8	
E262.5	49-001(g)	49-001(a)-00	Material disposal area (MDA AB)	59.2	
E262.5	49-005(a)		Landfill	73.5	

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
E266					**747.7**
E266	15-008(a)	15-004(f)-99	Surface disposal E-F site	72.0	
E266	15-008(f)		I-J Firing site mounds @ TA-36 - active	57.3	
E266	15-009(e)		Septic system E-F Site	44.7	
E266	36-003(b)		Septic system (IJ Site)	50.2	
E266	36-004(a)	36-006-99	Firing site - active	48.5	
E266	36-004(b)		Firing site - active	57.3	
E266	36-004(e)		I-J Firing site - active	57.3	
E266	36-006	36-006-99	Surface disposal site	78.0	
E266	C-15-004		Transformers	43.9	
E266	C-36-001		Containment vessel	57.3	
E267					**1440**
E267	36-001		Material disposal area (MDA AA)	45.7	
E267.5					**3720**
E267.5	36-004(c)		Firing site - active (Open Detonation)	68.3	
E267.5	36-005		Surface disposal	45.4	
E274					**1362.7**
E274	39-004(a)		Firing site - active	74.0	
E274	39-004(b)		Firing site - active	74.5	
E274	39-004(c)		Firing site - active	85.0	
E274	39-004(d)		Firing site - active	74.0	
E274	39-004(e)		Firing site - active	78.5	
E338					**599**
E338	33-004(d)		Septic system	56.0	
E338	33-004(j)	33-004(j)-00	Outfall	85.0	
E338	33-005(a)	33-005(a)-00	Septic system	49.0	
E338	33-005(b)	33-005(a)-00	Septic system	49.0	
E338	33-005(c)	33-005(a)-00	Septic system	49.0	
E338	33-006(a)	33-004(j)-00	Firing site (inactive)	56.0	
E338	33-007(b)	33-004(j)-00	Firing range (inactive)	59.3	
E338	33-010(c)	33-004(j)-00	Surface disposal	60.5	
E338	33-010(e)		Surface disposal (Area 6)	47.2	
E338	33-010(g)		Surface disposal	47.8	
E338	33-016		Sump/Outfall	54.5	
E338	C-33-001		Transformer	56.0	
E338	C-33-003		Soil contamination area	59.0	
E340					**65.9**
E340	33-004(h)	33-004(a)-00	Outfall	56.6	
E340	33-008(c)		landfill	56.0	
E340	33-010(f)	33-002(a)-99	MDA K	47.2	
E340	33-015	33-004(a)-00	Incinerator	50.8	

Section III. Site Drainage Map

Table III-1. Drainage Areas for Gage Stations and Associated Sites

Station ID	Site ID	Site Consolidation Unit	Site Description	Erosion Matrix Score	Drainage Area (Acres)
Miscellaneous					**na**
na	05-001(c)		Former Firing Site	73.5	Drains to Rio Grande.
na	05-004		Former Septic system	49.7	Drains to Rio Grande.
na	05-005(b)	05-005(b)-00	Outfall	53.7	Drains to Rio Grande.
na	05-006(c)	05-005(b)-00	Soil contamination beneath former bldgs.	53.7	Drains to Rio Grande.
na	33-010(a)	33-006(b)-00	Surface disposal	53.2	Drains to Rio Grande.
na	33-010(b)		Surface disposal	45.0	Drains to Rio Grande.
na	33-010(d)		Surface disposal	45.0	Drains to Rio Grande.
na	33-011(b)		Storage area	49.0	Drains to Rio Grande.
na	61-007		Transformer site	43.8	Self-contained.

SMA ID	Site ID	Consolidation Unit ID	Site Name	Watershed	Sub-Watershed	SMA Drainage Area (acres)	Comment
PAJARITO WATERSHED							
2M-SMA-1	03-010(a)		Vacuum repair shop (former location)- systematic release site	Pajarito	Twomile	10.46	
	03-055(b)		Outfall				
2M-SMA-1.4	03-009(d)		Surface disposal site	Pajarito	Twomile	0.32	
2M-SMA-1.5	22-014(b)		Sump	Pajarito	Twomile	0.21	
2M-SMA-1.6	06-007(g)		Building and surface disposal	Pajarito	Twomile	0.16	
2M-SMA-1.7	03-055(a)		Outfall	Pajarito	Twomile	0.54	
2M-SMA-2	03-054(b)	03-052(a)-00	Outfall	Pajarito	Twomile	1.40	
2M-SMA-3	07-001(b)	07-001(a)-99	Firing site (inactive)	Pajarito	Twomile	0.43	
	07-001(c)	07-001(a)-99	Firing site (inactive)				
	07-001(d)	07-001(a)-99	Firing site (inactive)				
PJ-SMA-1	09-013		Material disposal area (MDA M)	Pajarito	Starmer/Upper Pajarito	1.40	
PJ-SMA-2	09-009		Surface impoundment	Pajarito	Starmer/Upper Pajarito	0.13	
PJ-SMA-3	09-004(o)		Settling tank	Pajarito	Starmer/Upper Pajarito	0.11	
PJ-SMA-4	09-004(g)		Settling tank	Pajarito	Starmer/Upper Pajarito	4.32	
	09-005(g)		Septic tank				
PJ-SMA5	22-015(c)		Outfall	Pajarito	Starmer/Upper Pajarito	3.47	
PJ-SMA-6	40-010		Surface disposal site	Pajarito	Starmer/Upper Pajarito	3.14	
PJ-SMA-7	40-006(c)		Firing site (active)	Pajarito	Starmer/Upper Pajarito	0.18	
PJ-SMA-8	40-006(b)		Firing site (active)	Pajarito	Starmer/Upper Pajarito	0.67	
PJ-SMA-9	40-009		Landfill	Pajarito	Starmer/Upper Pajarito	0.78	
PJ-SMA-10	40-006(a)		Firing site (active)	Pajarito	Starmer/Upper Pajarito	0.74	
PJ-SMA-11	40-003(a)		Scrap burn site - completed RCRA closure	Pajarito	Starmer/Upper Pajarito	2.96	
	40-003(b)		Burning area/open detonation (closure)				
PJ-SMA-14	54-004		Material disposal area (MDA H)	Pajarito	Starmer/Upper Pajarito	0.24	
STRM-SMA-1	08-009(f)		Outfall	Pajarito	Starmer/Upper Pajarito	2.66	
STRM-SMA-1.5	08-009(d)		Industrial or sanitary wastewater treatment	Pajarito	Starmer/Upper Pajarito	0.56	
STRM-SMA-2	08-005		Container storage area	Pajarito	Starmer/Upper Pajarito	17.21	

Table III-4. SMA Drainage Areas

SMA ID	Site ID	Consolidation Unit ID	Site Name	Watershed	Sub-Watershed	SMA Drainage Area (acres)	Comment
STRM-SMA-3	08-006(a)		Material disposal area (MDA Q)	Pajarito	Starmer/Upper Pajarito	0.08	
STRM-SMA-4	09-005(a)	09-008(b)-99	Septic system	Pajarito	Starmer/Upper Pajarito	19.39	
STRM-SMA-5	09-013		Material disposal area (MDA M)	Pajarito	Starmer/Upper Pajarito	0.96	
3M-SMA-0.5	15-006(c)	15-006(c)-99	Firing site R-44 (inactive)	Pajarito	Threemile	5.14	
	15-009(c)		Septic tank				
3M-SMA-0.6	15-008(b)	15-006(c)-99	Surface disposal	Pajarito	Threemile	0.33	
3M-SMA-3	36-008		NEW SWMU - Surface disposal area located near TA-36-1	Pajarito	Threemile	1033.2	Sampled by E246
	C-36-003		Storm drainages				
PJ-SMA-15	54-014(d)	54-013(b)-99	Material disposal area (MDA G) storage trenches A, B, C, D	Pajarito	Lower Pajarito	1033.20	Sampled by E248, E248.5, E249, E249.5
	54-017		Material disposal area (MDA G) disposal pits 16, 22 (active before 11/19/80)			18.90	
	54-018		Material disposal area (MDA G) disposal pits 27-33,35-37 (active after 11/19/80)			10.10	
	54-020		Material disposal area (MDA G) disposal shafts (active after 11/19/80)			4.90	
na	18-003(c)		Septic system	Pajarito	Lower Pajarito	683.5	Sampled by E250
	18-010(d)		Outfall				
	18-010(f)		Outfall				
	18-012(a)		Outfall				
	18-012(b)		Outfall				

SMA ID	Site ID	Consolidation Unit ID	Site Name	Watershed	Sub-Watershed	SMA Drainage Area (acres)	Comment
WATER / CANON DE VALLE WATERSHED							
CDV-SMA-0.5	16-029(s)	16-008(a)-99	Sump	Water/Valle	Canon de Valle	7.46	
	16-029(t)	16-008(a)-99	Sump				
CDV-SMA-1	16-001(a)	16-001(a)-99	Tank	Water/Valle	Canon de Valle	1.09	
	16-001(b)	16-001(a)-99	Dry wells				
	16-001(c)	16-001(a)-99	Tank				
CDV-SMA-1.4	16-016(d)		Surface disposal site	Water/Valle	Canon de Valle	15.77	
	16-020		Silver recovery unit				
CDV-SMA-1.5	16-026(j)		Outfall, 16-226	Water/Valle	Canon de Valle	0.31	
CDV-SMA-1.7	16-019		Material disposal area (MDA R)	Water/Valle	Canon de Valle	3.84	
CDV-SMA-2	16-021(c)	16-021(c)-99	Industrial or sanitary wastewater treatment at 16-260	Water/Valle	Canon de Valle	4.87	
CDV-SMA-2.4	16-010(b)		Flash pad; RCRA unit (undergoing closure)	Water/Valle	Canon de Valle	2076.7	Sampled by E256
	16-016(c)	16-016(c)-99	Landfill				
	16-018		Material disposal area (MDA P); RCRA unit (currently undergoing RCRA closure)				
CDV-SMA-2.5	16-010(c)		Burn site 16-388 - RCRA Unit (active)	Water/Valle	Canon de Valle	26.20	Sampled by E257
	16-010(d)		Burn site 16-399 - RCRA unit (active)				
	16-010(g)		Wastewater treatment facility				
	16-028(a)		South drainage channel				
CDV-SMA-3	14-009	14-002(a)-99	Surface disposal site	Water/Valle	Canon de Valle	0.12	
CDV-SMA-4	14-002(a)	14-002(a)-99	Firing site (inactive)	Water/Valle	Canon de Valle	0.55	
	14-010	14-002(a)-99	Sump				
CDV-SMA-5	14-005		Incinerator (active)	Water/Valle	Canon de Valle	0.53	
	14-001(g)		Firing site - Open Burn/Open Detonation (active)	Water/Valle	Canon de Valle		
	14-002(d)	14-002(c)-99	Firing site (inactive)				
	14-002(e)	14-002(c)-99	Firing site (inactive)				
	14-006		Tank and/or associated equipment				
CDV-SMA-7	15-008(d)		Surface disposal	Water/Valle	Canon de Valle	2.06	

Table III-4. SMA Drainage Areas

SMA ID	Site ID	Consolidation Unit ID	Site Name	Watershed	Sub-Watershed	SMA Drainage Area (acres)	Comment
CDV-SMA-8	15-011(b)	15-009(a)-00	Dry well	Water/Valle	Canon de Valle	28.32	
	15-011(c)	15-009(a)-00	Sump				
	15-014(g)		Industrial or sanitary wastewater treatment				
	15-014(j)	15-009(a)-00	Outfall				
	C-15-007		Non-intentional release				
CDV-SMA-9	15-007(b)		Material disposal area (MDA Z) landfill	Water/Valle	Canon de Valle	4.85	
W-SMA-10	11-003(b)		Air gun	Water/Valle	S-Site (Martin)	4.13	
	11-004(a)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(b)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(c)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(d)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(e)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(f)	11-004(a)-99	Drop tower - firing site (active)				
	11-005(c)		Outfall (inactive)				
	11-006(b)	11-006(a)-99	Tank and/or associated equipment				
	11-006(c)	11-006(a)-99	Tank and/or associated equipment				
	11-006(d)	11-006(a)-99	Tank and/or associated equipment				
W-SMA-11	11-003(a)		Mortar impact area	Water/Valle	S-Site (Martin)	302.96	
	11-004(a)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(b)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(c)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(d)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(e)	11-004(a)-99	Drop tower - firing site (active)				
	11-004(f)		Drop tower - firing site (active)				
W-SMA-3	16-006(g)	16-029(x)-99	Septic tank	Water/Valle	Upper Water	2.01	
W-SMA-5	16-003(f)	16-003(d)-99	Sump	Water/Valle	S-Site (Martin)	42.77	
	16-026(z)		Outfall				
na	16-001(d)		Dry well	Water/Valle	Upper Water	na	Site is located under a structure; Site will be re-evaluated.

Table III-4. SMA Drainage Areas

SMA ID	Site ID	Consolidation Unit ID	Site Name	Watershed	Sub-Watershed	SMA Drainage Area (acres)	Comment
W-SMA-1	16-026(c2)		Outfall, 16-462	Water/Valle	Upper Water	39.38	
	16-026(v)	16-003(c)-99	Outfall				
W-SMA-2	16-028(e)	16-029(g)-99	Industrial or sanitary wastewater treatment	Water/Valle	Upper Water	9.57	
W-SMA-4	16-003(a)		Sump	Water/Valle	Upper Water	60.86	
W-SMA-6	11-001(c)		Firing site (inactive)	Water/Valle	Upper Water	0.24	
W-SMA-7	16-026(h2)	16-029(e)-99	Outfall, 16-360	Water/Valle	Upper Water	2.79	
W-SMA-8	16-028(b)		Industrial or sanitary wastewater treatment, 16-370	Water/Valle	Upper Water	4.96	
W-SMA-9	16-030(g)		Outfall	Water/Valle	Upper Water	0.84	
W-SMA-8	16-006(c)	16-006(c)-00	Septic system	Water/Valle	Upper Water	4.96	
	16-016(g)		Surface disposal site				
	16-026(a)	16-006(c)-00	Outfall				
W-SMA-12	49-001(g)	49-001(a)-00	Material disposal area (MDA AB) (miscellaneous)	Water/Valle	Lower Water/Indio	6.22	
W-SMA-13	49-001(a)	49-001(a)-00	Material disposal area (MDA AB) (experimental shafts)	Water/Valle	Lower Water/Indio	2.19	
W-SMA-14	15-010(c)		Drainline	Water/Valle	Lower Water/Indio	1.15	
W-SMA-15	49-005(a)		Landfill (east of Area 10)	Water/Valle	Lower Water/Indio	1.82	
F-SMA-1	36-004(b)		Firing site (active)	Water/Valle	Potrillo/Fence	42.75	
F-SMA-2	36-004(c)		Firing site - open detonation (active)	Water/Valle	Potrillo/Fence	41.72	
	36-005		Surface disposal site				
PT-SMA-0.5	15-009(e)		Septic system, E/F Site	Water/Valle	Potrillo/Fence	6.68	
	C-15-004		Transformers - PCB only site				
PT-SMA-1	15-008(a)	15-004(f)-99	Surface disposal E/F Site	Water/Valle	Potrillo/Fence	15.06	
PT-SMA-2	15-008(f)		I-J Firing Site mounds at TA-36 (active)	Water/Valle	Potrillo/Fence	3.03	
	36-003(b)		Septic system, I-J Site				
	36-004(e)		I-J Firing Site (active)				
	C-36-001		Containment vessel				
PT-SMA-3	36-004(a)	36-006-99	Firing site (active)	Water/Valle	Potrillo/Fence	1.24	
	36-006	36-006-99	Surface disposal site				
PT-SMA-4	36-001		Material disposal area (MDA AA)	Water/Valle	Potrillo/Fence	13.09	

Table III-4. SMA Drainage Areas

SMA ID	Site ID	Consolidation Unit ID	Site Name	Watershed	Sub-Watershed	SMA Drainage Area (acres)	Comment
ANCHO WATERSHED							
A-SMA-1	39-004(d)		Firing site 39-57 (open detonation) - RCRA Unit (active)	Ancho	North Ancho	189.7	
	39-004(a)		Firing site				
A-SMA-2	39-004(b)		Firing site	Ancho	North Ancho	525.54	
	39-004(e)		Firing site (active)				
A-SMA-3	39-004(c)		Firing site 39-6 (open detonation) - RCRA Unit (active)	Ancho	North Ancho	189.70	
A-SMA-4	33-010(d)		Surface disposal	Ancho	South Ancho	3.02	
A-SMA-5	33-010(b)		Surface disposal	Ancho	South Ancho	0.23	
A-SMA-6	33-010(a)		Surface disposal	Ancho	South Ancho	7.40	
CHAQUEHUI WATERSHED							
CHQ-SMA-1	33-004(h)	33-004(a)-00	Outfall	Chaquehui	Chaquehui	8.46	
	33-008(c)		Landfill				
	33-015	33-004(a)-00	Incinerator				
	C-33-001		Transformer				
	C-33-003		Soil contamination area				
CHQ-SMA-2	33-004(d)		Septic system	Chaquehui	Chaquehui	14.4	
	33-005(a)	33-005(a)-00	Septic system				
	33-005(b)	33-005(a)-00	Septic system				
	33-005(c)	33-005(a)-00	Septic system				
	33-010(e)		Surface disposal (Area 6)				
	C-33-003		Soil contamination area				
CHQ-SMA-3	33-010(f)	33-002(a)-99	Surface disposal	Chaquehui	Chaquehui	1.00	
CHQ-SMA-4	33-016		Sump	Chaquehui	Chaquehui	7.64	
CHQ-SMA-4.5	33-011(b)		Storage area	Chaquehui	Chaquehui	2.80	
CHQ-SMA-5	33-007(b)	33-004(j)-00	Firing range (inactive)	Chaquehui	Chaquehui	4.58	

Table III-4. SMA Drainage Areas

SMA ID	Site ID	Consolidation Unit ID	Site Name	Watershed	Sub-Watershed	SMA Drainage Area (acres)	Comment
CHQ-SMA-6	33-004(j)	33-004(j)-00	Outfall	Chaquehui	Chaquehui	12.92	
	33-006(a)	33-004(j)-00	Firing site (inactive)				
	33-007(b)	33-004(j)-00	Firing range (inactive)				
	33-010(c)	33-004(j)-00	Surface disposal				
	33-010(g)		Surface disposal				
CHQ-SMA-7	33-010(g)		Surface disposal	Chaquehui	Chaquehui	27.51	

Section III. Site Drainage Map

Table III-5. List of Additional Section III Maps

Subject	Map Number
Facility/Watershed	04-0100
E242	04-0100-32
E242.5	04-0100-31
E243	04-0100-34
E244	04-0100-35
E246	04-0100-38
E248	04-0100-41
E248.5	04-0100-40
E249	04-0100-43
E249.5	04-0100-42
E250	04-0100-44
E256	04-0100-47
E257	04-0100-48
E260	04-0100-49
E261	04-0100-50
E262	04-0100-52
E262.5	04-0100-51
E266	04-0100-56
E267	04-0100-57
E267.5	04-0100-59
E274	04-0100-58
E338	04-0100-60
E340	04-0100-61

NPDES Form 2F Section IV – Narrative Description of Pollutant Sources

Introduction

National Pollutant Discharge Elimination System (NPDES) Form 2F Section IV, shown following this introduction, includes three parts: Parts A, B, and C. Part A requests the individual outfall number and area drained by the outfall. Part B requests a narrative description of the areas associated with each outfall and significant activity and materials disposal history. Part C requests information on existing structural and non-structural measures to control pollutants and any treatment measures.

Due to the large number of Sites covered under the application, the requested information in Section IV cannot be adequately presented in the standard Section IV format. Tables have been developed and attached to provide the necessary information.

Part A

Part A is not applicable. Due to the nature of the Sites, estimation of the drainage areas of individual Sites and the impervious surfaces drained to the outfall is not practical. The drainage areas of the Site Monitoring Areas (SMAs) are included in Table III-5 in "Section III - Site Drainage Map" in Volume 3 of this additional material submittal.

Part B

Information requested by Part B will be included with the March 31, 2005 additional material submittal.

Part C

The Laboratory has implemented site structural controls, also referred to as Best Management Practices (BMPs), in several watersheds and at multiple Sites to mitigate potential impacts from migration of potential contaminants in storm water runoff. Table IV-3 summarizes BMPs that have been implemented at both the watershed and Site-specific scale within the Pajarito, Water/Canon de Valle, Ancho, and Chaquehui watersheds. The following information is provided in Table IV-3.

- Site ID – unique Site identification number
- Consolidation Unit ID – unique consolidated unit identification number
- SMA ID – unique identification number for an area related to one or more sites or industrial activity based on a common drainage area
- Name – descriptive name for the referenced Site
- Watershed – the major watershed containing the Site or BMP
- Sub-Watershed – the sub-watershed containing the Site or BMP
- Erosion Matrix Score – assigned to an individual Site by LANL using the SOP-2.01 erosion potential assessment
- BMP Information – type, description, and function of the structural control

Form 2F and Associated Data

Form **2F** NPDES	United States Environmental Protection Agency Washington, DC 20460 **Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity**

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
PER EPA,NOT APPLICABLE					

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

ADDITIONAL MATERIAL WILL BE PROVIDED IN THE MARCH 31, 2005 SUBMITTAL

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
PLEASE SEE ATTACHED TABLE IV-3		

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
03-010(a)		2M-SMA-1	Vacuum repair shop (former location)- systematic release site	Pajarito	Twomile	69.0	Swale	BMP is located on the W facing slope.	Diversion
							Straw Bale Barrier		Sediment Retention
							Silt Fence	BMP is located on the W facing slope.	Sediment Retention
							Jute Matting (Poly)		Covering/Stabilization
							Channel (Asphalt / Concrete)		Diversion
							Straw Wattles	BMP is located on the NW end of Site.	Sediment Retention
							Sandbags		Diversion
							Seeding (Permanent)		Covering/Stabilization
03-055(b)		2M-SMA-1	Outfall	Pajarito	Twomile	73.5	Silt Fence	BMP is located on the W facing slope.	Sediment Retention
							Swale	BMP is located on the W facing slope.	Diversion
							Splash Basin	BMP is located below culvert on the N end of Site.	Covering/Stabilization
03-009(d)		2M-SMA-1.4	Surface disposal site	Pajarito	Twomile	42.8	Gabions (Channel Stabilization)	BMP is located on the W facing slope.	Covering/Stabilization
							Asphalt / Concrete		Covering/Stabilization
							Silt Fence	BMP is located on the W facing slope.	Sediment Retention
							Riprap (General)	BMP is located on the W facing slope.	Covering/Stabilization
06-007(g)		2M-SMA-1.6	Building and surface disposal	Pajarito	Twomile	50.8	Straw Wattles	BMP is located in the drainage.	Sediment Retention
							Concrete Debris	BMP is located in the drainage.	Dissipation
							Seeding (Permanent)		Unknown/Other
							Riprap (General)	BMP is located in the upper drainage.	Dissipation
							Mulch (Straw)		Unknown/Other
							Check Dam (Rock)	BMP is located within drainage.	Sediment Retention
07-001(c)	07-001(a)-99	2M-SMA-3	Firing site (inactive)	Pajarito	Twomile	46.7	Berm (Earth)	BMP is located east of access road.	Sediment Retention
							Mulch (Wood Chip)	BMP is located throughout Site.	Covering/Stabilization
							Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Felled Trees	BMP is located throughout Site.	Sediment Retention
03-054(b)	03-052(a)-00	2M-SMA-2	Outfall	Pajarito	Twomile	65.8	Berm (Asphalt)	BMP is located on the north end of the channel.	Diversion
							Riprap (General)	BMP is located along the E side of drainage.	Dissipation
							Sandbags	BMP is located at the S end of drainage before road.	Sediment Retention
							Swale	BMP is located at the S end of drainage before road.	Diversion
							Retention Structure / Artificial Wetland		Covering/Stabilization
							Georidges / Enviroberms	BMP is located at the gage station.	Sediment Retention
							Culvert-Double	BMP is located S of road.	Diversion
							Culvert	BMP is located S of road.	Diversion
07-001(b)	07-001(a)-99	2M-SMA-3	Firing site (inactive)	Pajarito	Twomile	55.5	Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Berm (Earth)	BMP is located on mesa top.	Sediment Retention
							Straw Wattles	BMP is located on the SE facing slope on the Mesa top.	Sediment Retention
07-001(d)	07-001(a)-99	2M-SMA-3	Firing site (inactive)	Pajarito	Twomile	55.5	Berm (Earth)	BMP is located east of access road.	Sediment Retention
09-009		PJ-SMA-2	Surface impoundment	Pajarito	Starmer/Upper Pajarito	58.8	Straw Wattles	BMP is located across access roadway.	Sediment Retention
							Mulch (Straw)	BMP is located on the slopes.	Covering/Stabilization
							Seeding (Permanent)	BMP is located on the slopes.	Covering/Stabilization
							Straw Wattles	BMP is located across access roadway.	Sediment Retention
							Riprap (General)	BMP is located on the NW access road of Site.	Dissipation
							Straw Wattles	BMP is located at main drainage.	Sediment Retention
							Check Dam (Rock)	BMP is located across access roadway.	Dissipation
							Riprap (General)	BMP is located atop access roadway.	Dissipation

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
09-004(o)		PJ-SMA-3	Settling tank	Pajarito	Starmer/Upper Pajarito	43.8	Straw Wattles	BMP is located N of bunker 48.	Sediment Retention
							Seeding (Permanent)	BMP is located N of bunker 48.	Covering/Stabilization
							Check Dam (Rock)	BMP is located NE of TA-09-48.	Sediment Retention
							Mulch (Straw)		Covering/Stabilization
							Plugged Outfall	Outfall is located NE of TA-09-48.	Diversion
22-015(c)		PJ-SMA-5	Outfall	Pajarito	Starmer/Upper Pajarito	51.5	Check Dam (Rock)	BMP is located within channel.	Sediment Retention
							Straw Wattles	BMP is located on the S facing slope.	Sediment Retention
							Reseed	BMP is located on the slope.	Covering/Stabilization
40-010		PJ-SMA-6	Surface disposal site	Pajarito	Starmer/Upper Pajarito	40.2	Check Dam (Rock)	BMP is located on mesa top.	Dissipation
							Straw Wattles	BMP is located on mesa top/edge.	Sediment Retention
40-006(c)		PJ-SMA-7	Firing site (active)	Pajarito	Starmer/Upper Pajarito	62.0	Berm (Earth)	BMP is located on the S facing slope/mesa edge.	Sediment Retention
							Seeding (Permanent)	BMP is located at the top and on slope.	Covering/Stabilization
							Mulch (Straw)	BMP is located on the top of and on slope.	Covering/Stabilization
							Straw Wattles	BMP is located on the S facing slope/mesa edge.	Sediment Retention
40-006(b)		PJ-SMA-8	Firing site (active)	Pajarito	Starmer/Upper Pajarito	62.0	Mulch (Straw)	BMP is located on the top of canyon.	Covering/Stabilization
							Straw Wattles	BMP is located on mesa top/edge.	Sediment Retention
							Berm (Earth)	BMP is located on the mesa top/edge.	Sediment Retention
							Seeding (Permanent)	BMP is located on the top of canyon.	Covering/Stabilization
40-009		PJ-SMA-9	Landfill	Pajarito	Starmer/Upper Pajarito	54.5	Riprap (General)	BMP is located on mesa top.	Covering/Stabilization
				Pajarito	Starmer/Upper Pajarito	54.5	Straw Wattles	BMP is located on mesa top.	Sediment Retention
				Pajarito	Starmer/Upper Pajarito	54.5	Check Dam (Rock)	BMP is located on mesa top.	Sediment Retention
				Pajarito	Starmer/Upper Pajarito	54.5	Earth Cap	BMP is located on the mesa top/edge within W drainage.	Sediment Retention
40-006(a)		PJ-SMA-10	Firing site (active)	Pajarito	Starmer/Upper Pajarito	56.2	Riprap (General)	BMP is located on the mesa top.	Sediment Retention
							Berm (Basecoarse)	BMP is located on the mesa top.	Sediment Retention
54-004		PJ-SMA-14	Material disposal area (MDA H)	Pajarito	Starmer/Upper Pajarito	45.6	Sediment Trap	BMP is located along the S side of fence line.	Sediment Retention
							Berm (Earth)	BMP is located along the S fence line.	Sediment Retention
08-009(f)		STRM-SMA-1	Outfall	Pajarito	Starmer/Upper Pajarito	42.0	Riprap (General)	BMP is located NE of outfall EPA06A074, TA-8-22.	Sediment Retention
08-009(d)		STRM-SMA-1.5	Industrial or sanitary wastewater treatment	Pajarito	Starmer/Upper Pajarito	40.2	Check Dam (Rock)	BMP is located W of Site.	Sediment Retention
08-006(a)		STRM-SMA-3	Material disposal area (MDA Q)	Pajarito	Starmer/Upper Pajarito	55.5	Berm (Earth)	BMP is located throughout Site.	Sediment Retention
09-005(a)	09-008(b)-99	STRM-SMA-4	Septic system	Pajarito	Starmer/Upper Pajarito	51.0	Silt Fence	BMP is located within Site.	Sediment Retention
							Gabions (Channel Stabilization)	BMP is located SW of Site.	Covering/Stabilization
							Riprap (General)	BMP is located on the W end of Site.	Covering/Stabilization
09-013		PJ-SMA-1	Material disposal area (MDA M)	Pajarito	Starmer/Upper Pajarito	56.0	Seeding (Permanent)	BMP is located throughout the entire site.	Covering/Stabilization
							Silt Dike	BMP is located at perimeter of MDA-M.	Sediment Retention
							Mulch (Straw)	BMP is located throughout the entire site.	Covering/Stabilization
							Sediment Trap	BMP is located at the E end of Site.	Sediment Retention
							Silt Fence	BMP is located at the perimeter of MDA-M.	Sediment Retention
							Check Dam (Rock)	BMP is located on the SW perimeter.	Dissipation
							Berm (Earth)	BMP is located throughout MDA-M and road.	Sediment Retention
							Straw Wattles	BMP is located on the SW perimeter.	Sediment Retention
							Channel (Vegetative)		Diversion
							Run-On Diversion	BMP is located below the MDA-M area.	Diversion
							Straw Bale Barrier		Sediment Retention
15-006(c)	15-006(c)-99	3M-SMA-0.5	Firing site R-44 (inactive)	Pajarito	Threemile	64.5	Silt Fence	BMP is located at slope north face.	Sediment Retention
							Straw Wattles	BMP is located on mesa top.	Sediment Retention
							Check Dam (Rock)	BMP is located at slope north face.	Sediment Retention
							Felled Trees	BMP is located at slope north face.	Sediment Retention
							Mulch (Hydro)	BMP is located at slope north face.	Covering/Stabilization

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
15-009(c)		3M-SMA-0.5	Septic tank	Pajarito	Threemile	71.5	Check Dam (Rock)	BMP is located down drainage from outfall.	Covering/Stabilization
							Silt Fence	BMP is located in the drainage.	Sediment Retention
15-008(b)	15-006(c)-99	3M-SMA-0.6	Surface disposal	Pajarito	Threemile	67.2	Felled Trees	BMP is located at slope north face.	Sediment Retention
							Silt Fence	BMP is located at the toe of N facing slope and mesa top.	Sediment Retention
							Mulch (Straw)	BMP is located at slope north face.	Covering/Stabilization
							Straw Wattles	BMP is located at the toe of N facing slope and mesa top.	Sediment Retention
							Check Dam (Log)	BMP is located on the mesa top.	Sediment Retention
							Check Dam (Rock)	BMP is located at toe of N facing slope.	Sediment Retention
36-008		3M-SMA-3	NEW SWMU - Surface disposal area located near TA-36-1	Pajarito	Threemile	52.0	Straw Wattles	BMP is located on top of the slope.	Sediment Retention
							Straw Wattles	BMP is located on the slope.	Sediment Retention
							Berm (Earth)	BMP is located on mesa top.	Diversion
C-36-003		3M-SMA-3	Storm drainages	Pajarito	Threemile	52.0	Berm (Earth)	BMP is located on mesa top.	Diversion
							Straw Wattles	BMP is located on the slope.	Sediment Retention
							Straw Wattles	BMP is located on the top of the slope.	Sediment Retention
54-014(d)	54-013(b)-99	PJ-SMA-15	Material disposal area (MDA G) storage trenches A, B, C, D	Pajarito	Lower Pajarito	66.5	Jersey Barrier		Covering/Stabilization
							Jersey Barrier	BMP is located E of Site.	Sediment Retention
							Silt Fence	BMP is located SE and E of Site.	Sediment Retention
							Sediment Trap	BMP is located E of Site.	Sediment Retention
54-017	54-013(b)-99	PJ-SMA-15	Material disposal area (MDA G) disposal pits 16, 22 (active before 11/19/80)	Pajarito	Lower Pajarito	62.0	Weir	BMP is located at the Weir area.	Dissipation
							Check Dam (Rock)	BMP is located throughout Site.	Dissipation
							Riprap (General)	BMP is located throughout Site.	Covering/Stabilization
							Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Berm (Earth)	BMP is located N of TA-54-478.	Sediment Retention
							Silt Fence	BMP is located throughout Site.	Sediment Retention
							Straw Bale Barrier	BMP is located N of TA-54-478.	Diversion
							Sediment Trap	BMP is located throughout Site.	Sediment Retention
							Berm (Asphalt)	BMP is located N of TA-54-478.	Diversion
54-018	54-013(b)-99	PJ-SMA-15	Material disposal area (MDA G) disposal pits 27-33,35-37 (active after 11/19/80)	Pajarito	Lower Pajarito	52.6	Silt Fence	BMP is located through out Site.	Sediment Retention
							Check Dam (Rock)	BMP is located throughout Site.	Dissipation
							Riprap (General)	BMP is located throughout Site.	Covering/Stabilization
							Sediment Trap	BMP is located throughout Site.	Sediment Retention
							Swale	BMP is located NE of TA-54-153.	Diversion
54-020	54-013(b)-99	PJ-SMA-15	Material disposal area (MDA G) disposal shafts (active after 11/19/80)	Pajarito	Lower Pajarito	53.7	Jersey Barrier	BMP is located E of Site.	Sediment Retention
							Silt Fence	BMP is located along fence line.	Sediment Retention
							Sediment Trap	BMP is located E of Site.	Sediment Retention
18-003(c)		na	Septic system	Pajarito	Lower Pajarito	62.3	Straw Bale Barrier	BMP is located in the stream channel.	Sediment Retention
							Basecoarse	BMP is located NE of TA-18-32.	Covering/Stabilization
18-010(f)		na	Outfall	Pajarito	Lower Pajarito	62.3	Gabions (Channel Stabilization)	BMP is located within channel on the N side of TA-18-32.	Covering/Stabilization
							Riprap (General)	BMP runs along side of gabions.	Covering/Stabilization
18-012(a)		na	Outfall	Pajarito	Lower Pajarito	59.2	Asphalt / Concrete	BMP is located above the outfall.	Covering/Stabilization
16-029(s)	16-008(a)-99	CDV-SMA-0.5	Sump	Water/Valle	Canon de Valle	45.5	Berm (Earth)	BMP is located around Site.	Sediment Retention
16-029(t)	16-008(a)-99	CDV-SMA-0.5	Sump	Water/Valle	Canon de Valle	41.5	Berm (Earth)	BMP is located around Site.	Sediment Retention
16-001(a)	16-001(a)-99	CDV-SMA-1	Tank	Water/Valle	Canon de Valle	67.0	Riprap (Outlet Protection)	BMP is located E of building TA-16-540.	Dissipation
16-001(b)	16-001(a)-99	CDV-SMA-1	Dry wells	Water/Valle	Canon de Valle	45.0	Riprap (Outlet Protection)	BMP is located below outfall EPA02A007, TA-16-540.	Covering/Stabilization
16-001(c)	16-001(a)-99	CDV-SMA-1	Tank	Water/Valle	Canon de Valle	45.0	Riprap (Outlet Protection)	BMP is located below outfall EPA02A007, TA-16-540.	Covering/Stabilization
16-016(d)		CDV-SMA-2	Surface disposal site	Water/Valle	Canon de Valle	44.5	Jute Matting	BMP covers Site.	Covering/Stabilization

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
16-019		CDV-SMA-2	Material disposal area (MDA R)	Water/Valle	Canon de Valle	82.5	Berm (Earth)	BMP is located on mesa top facing N.	Secondary Containment
							Check Dam (Rock)	BMP is located on the east side of Site on mesa top.	Sediment Retention
							Riprap (General)	BMP is located on W side of Site on mesa top.	Sediment Retention
							Straw Bale Barrier	BMP is located on mesa top.	Sediment Retention
							Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Straw Wattles	BMP is located on the W end of Site.	Sediment Retention
							Straw Wattles	BMP is located on the N facing slope.	Sediment Retention
							Mulch (Hydro)	BMP is located on the north facing slope.	Covering/Stabilization
							Reseed	BMP is located on the north facing slope	Covering/Stabilization
							Channel (Diversion)	BMP is located on the west side of Site on mesa top.	Diversion
16-020		CDV-SMA-2	Silver recovery unit	Water/Valle	Canon de Valle	61.3	Gabions (Channel Stabilization)	BMP is located below outfall in channels.	Sediment Retention
							Straw Bale Barrier	BMP is located on lower half of channel banks.	Sediment Retention
							Straw Wattles	BMP is located on mesa top and within drainage.	Sediment Retention
							Mulch (Straw)	BMP is located throughout upper half of Site.	Covering/Stabilization
							Jute Matting	BMP is located in upper drainage and N-S facing canyon walls.	Covering/Stabilization
							Reseed	BMP is located throughout upper half of Site.	Covering/Stabilization
							Check Dam (Rock)	BMP is located on mesa top and within drainage.	Sediment Retention
							Felled Trees	BMP is located throughout channel.	Sediment Retention
							Riprap (General)	BMP is located throughout channel.	Dissipation
16-021(c)	16-021(c)-99	CDV-SMA-2	Industrial or sanitary wastewater treatment at 16-260	Water/Valle	Canon de Valle	73.3	Curb (Asphalt / Concrete)	BMP covers over conc., sump drains.	Sediment Retention
							Check Dam (Rock)	BMP is located throughout channel.	Sediment Retention
							Riprap (General)	BMP is located throughout channel.	Dissipation
							Straw Wattles	BMP is located W and E area of Site mesa top.	Sediment Retention
							Seeding (Permanent)	BMP is located S of channel.	Covering/Stabilization
							Jute Matting	BMP is located throughout Site on mesa top.	Covering/Stabilization
							Retention Structure / Artificial Wetland	BMP is located in the upper drainage.	Sediment Retention
							Run-On Diversion	BMP covers over conc., sump drains.	Dissipation
							Mulch (Straw)	BMP is located throughout Site.	Covering/Stabilization
							Covering (Plastic)	BMP covers over conc., sump drains.	Covering/Stabilization
							Earth Cap	BMP covers over conc., sump drains.	Covering/Stabilization
							Straw Bale Barrier	BMP is located on mesa top/edge.	Sediment Retention
16-026(j)		CDV-SMA-2	Outfall, 16-226	Water/Valle	Canon de Valle	40.2	Jute Matting	BMP is located throughout Site.	Covering/Stabilization
							Seeding (Permanent)	BMP is located throughout Site.	Covering/Stabilization
16-010(b)		CDV-SMA-2.4	Flash pad; RCRA unit (undergoing closure)	Water/Valle	Canon de Valle	55.5	Sandbags	BMP is located on the mesa top.	Sediment Retention
							Berm (Basecoarse)	BMP is located on the N & NW facing slope and mesa top.	Sediment Retention
							Check Dam (Rock)	BMP is located on the mesa top.	Sediment Retention
							Swale	BMP is located at the staging area.	Diversion
							Channel (Diversion)	BMP is located on the northern end of Site.	Diversion
							Riprap (General)	BMP is located on the N and NW facing slope & mesa top.	Dissipation
							Juniper Bale	BMP is located at the toe of slope.	Dissipation
							Jute Matting	BMP is located at the E slope.	Covering/Stabilization
							Mulch (Straw)	BMP is located throughout site.	Covering/Stabilization
							Reseed	BMP is located throughout site.	Covering/Stabilization
							Culvert	BMP is located at the E and W drainage.	Diversion
							Straw Bale Barrier	BMP is located on the mesa top & NW facing slope in drainage.	Dissipation
							Silt Fence	BMP is located at the toe of the slope.	Sediment Retention
							Retention Trench	BMP is located at the north facing slope.	Sediment Retention
							Straw Wattles	BMP on the N & NW facing slope and along perimeter of Site.	Sediment Retention
							Straw Bale Barrier	BMP is located at the toe of the slope.	Diversion

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
16-016(c)	16-016(c)-99	CDV-SMA-2.4	Landfill	Water/Valle	Canon de Valle	72.0	Channel (Diversion)	BMP is located on mesa top.	Diversion
							Riprap (General)	BMPs are located on mesa top, upper NE slope, and lower NE slope.	Sediment Retention
							Berm (Earth)	BMP is located on the mesa top.	Sediment Retention
							Juniper Bale	BMP is located on the mesa top.	Sediment Retention
							Reseed	BMP is located through out Site.	Covering/Stabilization
							Check Dam (Rock)	BMP is located on upper NE slope and lower NE slope.	Sediment Retention
							Straw Bale Barrier	BMP is located on the mesa top and upper NE slope.	Sediment Retention
							Straw Wattles	BMP is located on mesa top and on NE facing slope.	Sediment Retention
							Mulch (Hydro)	BMP is located through out Site.	Covering/Stabilization
16-018		CDV-SMA-2.4	Material disposal area (MDA P); RCRA unit (currently undergoing RCRA closure)	Water/Valle	Canon de Valle	69.3	Jute Matting	BMP is located on the east and west facing slopes.	Covering/Stabilization
							Straw Bale Barrier	BMP is located within E channel and along mesa top/edge.	Diversion
							Fencing	BMP is located along N perimeter of Site within canyon.	Secondary Containment
							Culvert	BMP is located at the E and W drainages.	Diversion
							Mulch (Straw)	BMP is located in the disturbed areas.	Covering/Stabilization
							Riprap (General)	BMP is located at the E and W drainage.	Dissipation
							Berm (Earth)	BMP is located at the staging area.	Sediment Retention
							Straw Wattles	BMP is located on mesa top/edge and E channel.	Sediment Retention
							Felled Trees	BMP is located on the E end of Site within canyon.	Sediment Retention
							Swale	BMP is located at the staging area.	Diversion
							Juniper Bale	BMP is located throughout Site within canyon.	Dissipation
							Berm (Basecoarse)	BMP is located at E drainage.	Sediment Retention
							Check Dam (Rock)	BMP is located on mesa top/edge and within E drainage channel.	Sediment Retention
							Retention Trench	BMP is located on the north facing slope.	Sediment Retention
							Straw Bale Barrier	BMP is located at the toe of the slope.	Diversion
							Reseed	BMP is located on E and W slopes.	Covering/Stabilization
							Silt Fence	BMP is located at the toe of the slope.	Sediment Retention
16-010(c)		CDV-SMA-2.5	Burn site 16-388 - RCRA Unit (active)	Water/Valle	Canon de Valle	47.2	Retention Trench	BMP is located on the north facing slope.	Sediment Retention
							Check Dam (Rock)	BMP is located at the toe of the slope.	Diversion
							Silt Fence	BMP is located at the toe of the slope.	Sediment Retention
							Culvert	BMP is located at the E and W drainage.	Diversion
							Juniper Bale	BMP is located at the toe of the slope.	Diversion
							Swale	BMP is located at the staging area.	Diversion
							Straw Bale Barrier	BMP is located at the toe of the slope.	Diversion
							Straw Bale Barrier	BMP is located along dirt road on the E end of Site.	Diversion
							Reseed	BMP is located throughout Site.	Covering/Stabilization
							Mulch (Straw)		Covering/Stabilization
							Jute Matting	BMP is located on the N-NE-NW facing slopes.	Covering/Stabilization
							Riprap (General)	BMP is located at the E and W drainage.	Dissipation
							Berm (Earth)	BMP is located at the staging area.	Sediment Retention
							Straw Wattles	BMP is located on the NE facing slope; NW channel.	Sediment Retention
16-010(d)		CDV-SMA-2.5	Burn site 16-399 - RCRA unit (active)	Water/Valle	Canon de Valle	50.3	Straw Wattles	BMP is located S of Site.	Sediment Retention
							Berm (Earth)	BMP is located at corner within fencing on the E side of Site.	Sediment Retention
							Straw Bale Barrier	BMP is located N of Site.	Sediment Retention
							Riprap (General)	BMP is located on mesa top running from NW to NE.	Dissipation
							Check Dam (Rock)	BMP is located N of Site.	Sediment Retention
16-010(g)		CDV-SMA-2.5	Wastewater treatment facility	Water/Valle	Canon de Valle	46.0	Check Dam (Rock)	BMP is located on the mesa top in SW facing channel.	Secondary Containment
							Swale	BMP is located N of Site.	Diversion

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
16-028(a)		CDV-SMA-2.5	South drainage channel	Water/Valle	Canon de Valle	51.5	Swale	BMP is located above Site.	Diversion
							Riprap (General)	BMP is located on mesa top within S drainage.	Dissipation
							Check Dam (Rock)	BMP is located on mesa top within S drainage.	Sediment Retention
14-009	14-002(a)-99	CDV-SMA-3	Surface disposal site	Water/Valle	Canon de Valle	53.7	Berm (Earth)	BMP is located along access roadway.	Diversion
							Straw Bale Barrier	BMP is located on the S facing slope.	Secondary Containment
							Check Dam (Rock)	BMP is located within channel.	Sediment Retention
							Swale	BMP is located on the SW end of Site on mesa top.	Diversion
							Riprap (General)	BMP is located on the SW end of Site below swale.	Covering/Stabilization
							Mulch (Straw)	BMP is located on the slope and in the drainage.	Covering/Stabilization
							Reseed	BMP is located on the slope and in the drainage.	Covering/Stabilization
							Straw Wattles	BMP is on mesa top and within channel.	Sediment Retention
14-002(a)	14-002(a)-99	CDV-SMA-4	Firing site (inactive)	Water/Valle	Canon de Valle	46.3	Straw Wattles	BMP is located in the drainage.	Sediment Retention
							Check Dam (Rock)	BMP is located above perimeter dirt road.	Dissipation
							Reseed	BMP is located in the E drainage.	Covering/Stabilization
							Mulch (Straw)	BMP is located on slope S of TA-14-31.	Covering/Stabilization
							Straw Wattles	BMP is located on slope S of TA-14-31.	Sediment Retention
							Straw Wattles	BMP is located in the E drainage.	Sediment Retention
							Riprap (General)	BMP is located in the drainage.	Covering/Stabilization
							Sandbags	BMP is located in the drainage.	Sediment Retention
							Straw Wattles	BMP is located on the E slope.	Sediment Retention
							Straw Wattles	BMP is located on the W slope.	Sediment Retention
							Reseed	BMP is located on the slope.	Covering/Stabilization
							Straw Wattles	BMP is located on the slope.	Sediment Retention
							Mulch (Straw)	BMP is located on the slope.	Covering/Stabilization
							Mulch (Wood Chip)	BMP is located on the E facing slope.	Covering/Stabilization
14-010	14-002(a)-99	CDV-SMA-4	Sump	Water/Valle	Canon de Valle	51.5	Straw Wattles	BMP is located on the W slope.	Sediment Retention
							Riprap (General)	BMP is located at the drainage.	Sediment Retention
							Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Straw Wattles	BMP is located on the E Slope.	Sediment Retention
							Reseed	BMP is located at the E drainage.	Covering/Stabilization
							Mulch (Wood Chip)	BMP is located on the E facing slope.	Covering/Stabilization
							Straw Wattles	BMP is located at the E drainage.	Sediment Retention
							Sandbags	BMP is located in the drainage.	Sediment Retention
							Reseed	BMP is located on the slopes.	Covering/Stabilization
							Straw Wattles	BMP is located at slope south of TA-14-31.	Sediment Retention
							Mulch (Straw)	BMP is located on slope S of TA-14-31.	Covering/Stabilization
							Check Dam (Rock)	BMP is located on the SE facing slope.	Dissipation
14-005		CDV-SMA-5	Incinerator (active)	Water/Valle	Canon de Valle	57.3	Riprap (General)	BMP is located throughout area.	Covering/Stabilization
							Straw Wattles	BMP is located on the SE facing slope.	Sediment Retention
							Check Dam (Rock)	BMP is located on the SE facing slope.	Dissipation
14-002(d)	14-002(c)-99	CDV-SMA-6	Firing site (inactive)	Water/Valle	Canon de Valle	40.8	Mulch (Hydro)	BMP is located on the slopes.	Covering/Stabilization
							Reseed	BMP is located on the slope.	Covering/Stabilization
							Straw Wattles	BMP is located in the middle drainage.	Sediment Retention
							Straw Wattles	BMP is located in the E drainage.	Sediment Retention
							Check Dam (Rock)	BMP is located within channel below Site.	Covering/Stabilization
							Straw Wattles	BMP is located within channel below Site.	Sediment Retention

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
14-002(e)	14-002(c)-99	CDV-SMA-6	Firing site (inactive)	Water/Valle	Canon de Valle	47.8	Reseed	BMP is located on slope.	Covering/Stabilization
							Mulch (Straw)	BMP is located on slope.	Covering/Stabilization
							Straw Wattles	BMP is located in the middle drainage.	Sediment Retention
							Straw Wattles	BMP is located on the E Drainage.	Sediment Retention
							Straw Wattles	BMP is located within the drainage below Site.	Sediment Retention
							Mulch (Wood Chip)	BMP is located near SE perimeter of Site.	Covering/Stabilization
14-006		CDV-SMA-6	Tank and/or associated equipment	Water/Valle	Canon de Valle	47.1	Straw Wattles	BMP is located on the E facing slope.	Sediment Retention
							Mulch (Straw)	BMP is located on slope S of TA-14-31.	Covering/Stabilization
							Check Dam (Rock)	BMP is located on the E Drainage.	Dissipation
							Straw Wattles	BMP is located on slope S of TA-14-31.	Sediment Retention
							Reseed	BMP is located in the E drainage.	Covering/Stabilization
15-011(b)	15-009(a)-00	CDV-SMA-8	Dry well	Water/Valle	Canon de Valle	87.0	Straw Wattles	BMP is located above the cliff.	Sediment Retention
							Mulch (Straw)	BMP is located above cliff.	Covering/Stabilization
							Reseed	BMP is located above cliff.	Covering/Stabilization
15-011(c)	15-009(a)-00	CDV-SMA-8	Sump	Water/Valle	Canon de Valle	87.0	Straw Wattles	BMP is located above the cliff.	Sediment Retention
							Mulch (Straw)	BMP is located above the cliff.	Covering/Stabilization
							Reseed	BMP is located above the cliff.	Covering/Stabilization
15-014(g)		CDV-SMA-8	Industrial or sanitary wastewater treatment	Water/Valle	Canon de Valle	55.5	Channel (Asphalt / Concrete)	BMP is located throughout Site.	Diversion
15-014(j)	15-009(a)-00	CDV-SMA-8	Outfall	Water/Valle	Canon de Valle	61.3	Sandbags	BMP is located SW of Site.	Diversion
							Wall (Rock)	BMP is located N of Site.	Diversion
							Channel (Asphalt / Concrete)	BMP is located NE of Site.	Diversion
							Asphalt / Concrete	BMP is located north of building.	Diversion
							Asphalt / Concrete	BMP is located north of building.	Diversion
C-15-007		CDV-SMA-8	Non-intentional release	Water/Valle	Canon de Valle	51.5	Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Wetland / Cattails	BMP is located N of Site.	Covering/Stabilization
15-007(b)		CDV-SMA-9	Material disposal area (MDA Z) landfill	Water/Valle	Canon de Valle	40.2	Mulch (Straw)	BMP is located south of MDA.	Covering/Stabilization
							Reseed	BMP is located S of MDA.	Covering/Stabilization
							Check Dam (Rock)	BMP is located SE of Site.	Sediment Retention
							Straw Wattles	BMP is located S of MDA.	Sediment Retention
16-003(f)	16-003(d)-99	W-SMA-5	Sump	Water/Valle	S-Site (Martin)	56.0	Riprap (Outlet Protection)	BMP is located below outlet.	Dissipation
							Gabions (Channel Stabilization)	BMP is located on the E facing slope within drainage channel.	Dissipation
							Check Dam (Rock)	BMP is located on the E facing slope within channel.	Sediment Retention
							Straw Bale Barrier	BMP is located on the E facing slope within channel.	Diversion
							Check Dam (Rock)	BMP is located on the E facing slope within channel.	Sediment Retention
							Straw Wattles	BMP is located up slope of drainage.	Sediment Retention
							Mulch (Straw)	BMP is located throughout Site.	Covering/Stabilization
16-026(z)		W-SMA-5	Outfall	Water/Valle	S-Site (Martin)	49.6	Straw Wattles	BMP is located up slope of drainage.	Sediment Retention
							Straw Bale Barrier	BMP is located within drainage channel.	Sediment Retention
							Gabions (Channel Stabilization)	BMP is located within drainage channel.	Covering/Stabilization
							Riprap (Outlet Protection)	BMP is located below outlet.	Dissipation
							Seeding (Permanent)	BMP is located up slope of drainage.	Covering/Stabilization
							Mulch (Straw)	BMP is located up slope of drainage.	Covering/Stabilization
							Swale	BMP is located below Site.	Diversion

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
11-003(b)		W-SMA-10	Air gun	Water/Valle	S-Site (Martin)	55.5	Swale	BMP is located on the N facing slope.	Diversion
							Berm (Earth)	BMP is located on the N facing slope.	Covering/Stabilization
							Check Dam (Log)	BMP is located within E facing channel.	Sediment Retention
							Check Dam (Rock)	BMPs are located on the S facing slope.	Sediment Retention
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Felled Trees	BMP is located within E facing channel.	Sediment Retention
							Splash Basin	BMP is located on the S facing slope under culvert.	Covering/Stabilization
11-004(a)	11-004(a)-99	W-SMA-10	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Riprap (Outlet Protection)	BMP is located on the S facing slope under active outfall.	Covering/Stabilization
							Swale	BMP is located on the E facing slope.	Diversion
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Berm (Earth)	BMPs are located behind large cement slabs by the air gun area.	Sediment Retention
							Check Dam (Log)	BMP is located on the S drainage.	Sediment Retention
							Check Dam (Rock)	BMP is located on S facing slope by air gun area.	Sediment Retention
							Swale	BMP is located on the N facing slope.	Diversion
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Splash Basin	BMP is located on the S facing slope under storm drain culvert.	Covering/Stabilization
							Felled Trees	BMP is located on the S end of Site.	Sediment Retention
11-004(b)	11-004(a)-99	W-SMA-10	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Felled Trees	BMPs are located on the S end of Site.	Sediment Retention
							Berm (Earth)	BMP is located behind large cement slabs.	Sediment Retention
							Check Dam (Rock)	BMP is located on the S facing slope.	Sediment Retention
							Riprap (Outlet Protection)	BMP is located on S facing slope under active outfall.	Covering/Stabilization
							Swale	BMP is located on the N facing slope.	Diversion
							Swale	BMP is located on the east facing slope.	Diversion
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Splash Basin	BMP is located on S facing slope under storm drain culvert.	Covering/Stabilization
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
11-004(c)	11-004(a)-99	W-SMA-10	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Check Dam (Rock)	BMP is located on the S facing slope.	Sediment Retention
							Splash Basin	BMP is located on the S facing slope below storm drain culvert.	Covering/Stabilization
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Riprap (Outlet Protection)	BMP is located on S facing slope under active outfall.	Covering/Stabilization
							Swale	BMP is located on the E facing slope.	Diversion
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Berm (Earth)	BMP behind large cement slabs.	Sediment Retention
							Swale	BMP is located on the N facing slope.	Diversion
							Felled Trees	BMP is located on the S end of Site.	Sediment Retention
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
11-004(d)	11-004(a)-99	W-SMA-10	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Swale	BMP is on the E facing slope.	Diversion
							Splash Basin	BMP is located on the S facing slope.	Covering/Stabilization
							Check Dam (Log)	BMP is located in the S drainage.	Sediment Retention
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Straw Bale Barrier	BMP is located on the N slope.	Diversion
							Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Swale	BMP is located on the N facing slope.	Diversion
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Riprap (Outlet Protection)	BMP is located on the S facing slope below active outfall.	Covering/Stabilization
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Felled Trees	BMP exists on the S end of Site.	Sediment Retention
							Check Dam (Rock)	BMP is located on the S facing slope.	Sediment Retention
							Swale	BMP is located on the E facing slope.	Diversion
11-004(e)	11-004(a)-99	W-SMA-10	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Check Dam (Rock)	BMP is located on S facing slope by air gun area.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Splash Basin	Located on the S facing slope under storm drain culvert.	Covering/Stabilization
							Swale	BMP is located on N facing slope.	Diversion
							Berm (Earth)		Covering/Stabilization
							Riprap (Outlet Protection)	BMP is located on the S facing slope under active outfall.	Covering/Stabilization
							Riprap (General)	BMP is located on S facing slope under active out fall.	Covering/Stabilization
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Felled Trees	BMPs are located on the S end of Site.	Sediment Retention
							Berm (Asphalt)	Located on the N facing slope.	Diversion

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
11-004(f)	11-004(a)-99	W-SMA-10	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Riprap (Outlet Protection)	BMP is located on the S facing slope under active outfall.	Covering/Stabilization
							Splash Basin	BMP is located on the S facing slope under storm drain culvert.	Covering/Stabilization
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Swale	Located on the N facing slope.	Diversion
							Check Dam (Rock)	Located on the S facing slope by air gun area.	Sediment Retention
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Felled Trees	BMP is located on the S end of Site.	Sediment Retention
							Berm (Asphalt)	Located on the N facing slope	Diversion
							Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Berm (Earth)	BMP is located behind and supporting large cement slabs by the air gun area.	Sediment Retention
							Riprap (General)	BMP is located on S facing slope under active outfall.	Covering/Stabilization
							Swale	E. facing slope.	Diversion
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
11-005(c)		W-SMA-10	Outfall (inactive)	Water/Valle	S-Site (Martin)	59.0	Berm (Basecoarse)	BMP is located on mesa top.	Diversion
							Asphalt / Concrete	BMP is located on the N facing slope.	Covering/Stabilization
11-006(b)	11-006(a)-99	W-SMA-10	Tank and/or associated equipment	Water/Valle	S-Site (Martin)	52.0	Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Straw Bale Barrier	BMP is located at the N drainage.	Sediment Retention
							Check Dam (Rock)	BMP is located on the N facing slope within channel.	Sediment Retention
							Felled Trees	Located within drainage.	Sediment Retention
							Jute Matting	Located on the N. facing slope	Covering/Stabilization
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Swale	Located on mesa top edge.	Diversion
							Straw Wattles	BMP is located at the S drainage.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the N facing slope.	Covering/Stabilization
11-006(c)	11-006(a)-99	W-SMA-10	Tank and/or associated equipment	Water/Valle	S-Site (Martin)	68.8	Berm (Asphalt)	BMP is located on the SE facing slope.	Diversion
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Jute Matting (Poly)	BMP is located at the S drainage.	Covering/Stabilization
							Straw Bale Barrier	BMP is located at the N drainage.	Sediment Retention
							Straw Wattles	BMP is located at the N drainage.	Sediment Retention
							Swale	BMP is located on SE facing slope.	Diversion
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
11-006(d)	11-006(a)-99	W-SMA-10	Tank and/or associated equipment	Water/Valle	S-Site (Martin)	74.0	Jute Matting (Poly)	BMP is located at the S drainage.	Covering/Stabilization
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Swale	BMP is located on the S facing slope.	Diversion
							Straw Wattles	BMP is located at the N drainage.	Secondary Containment
							Riprap (General)	BMP is located within drainage.	Covering/Stabilization
							Straw Bale Barrier	BMP is located at the N drainage.	Sediment Retention
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
11-003(a)		W-SMA-11	Mortar impact area	Water/Valle	S-Site (Martin)	81.0	Swale	BMP is located on the mesa top.	Diversion
							Mulch (Wood Chip)	BMP is located on the N end of Site.	Covering/Stabilization
							Berm (Earth)	BMP is located on the N slope on E side of roadway.	Diversion
							Check Dam (Rock)	BMP is located on the NW end of Site.	Sediment Retention
							Check Dam (Rock)	BMP is located on the E side of access roadway within drainage.	Sediment Retention

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
11-004(a)	11-004(a)-99	W-SMA-11	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Riprap (Outlet Protection)	BMP is located on the S slope under active outfall.	Covering/Stabilization
							Swale	BMP is located on the E facing slope.	Diversion
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Berm (Earth)	BMPs are located behind large cement slabs by the air gun area.	Sediment Retention
							Check Dam (Log)	BMP is located on the S drainage.	Sediment Retention
							Check Dam (Rock)	BMP is located on S facing slope by air gun area.	Sediment Retention
							Swale	BMP is located on the N facing slope.	Diversion
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Splash Basin	BMP is located on the S facing slope under storm drain culvert.	Covering/Stabilization
							Felled Trees	BMP is located on the S end of Site.	Sediment Retention
							Straw Wattles	BMP is located on the N slope.	Sediment Retention
11-004(b)	11-004(a)-99	W-SMA-11	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Felled Trees	BMPs are located on the S end of Site.	Sediment Retention
							Berm (Earth)	BMP behind large cement slabs.	Sediment Retention
							Check Dam (Rock)	BMP is located on the S facing slope.	Sediment Retention
							Riprap (Outlet Protection)	BMP is located on S facing slope under active outfall.	Covering/Stabilization
							Swale	BMP is located on the east facing slope.	Diversion
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Splash Basin	BMP is located on S facing slope under storm drain culvert.	Covering/Stabilization
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
11-004(c)	11-004(a)-99	W-SMA-11	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Check Dam (Rock)	BMP is located on the S facing slope.	Sediment Retention
							Splash Basin	BMP is located on the S facing slope below storm drain culvert.	Covering/Stabilization
							Splash Basin	BMP is located on the S facing slope below storm drain culvert.	Covering/Stabilization
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Riprap (Outlet Protection)	BMP is located on S facing slope under active outfall.	Covering/Stabilization
							Swale	BMP is located on the east facing slope.	Diversion
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Berm (Earth)	BMP behind large cement slabs.	Sediment Retention
							Swale	BMP is located on the N facing slope.	Diversion
							Felled Trees	BMP is located on the S end of Site.	Sediment Retention
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
11-004(d)	11-004(a)-99	W-SMA-11	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Swale	BMP is on the east facing slope.	Diversion
							Splash Basin	BMP is located on the S facing slope.	Covering/Stabilization
							Check Dam (Log)	BMP is located in the S drainage.	Sediment Retention
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Straw Bale Barrier	BMP is located on the N slope.	Diversion
							Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Swale	BMP is located on the N facing slope.	Diversion
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Riprap (Outlet Protection)	BMP is located on the S facing slope below active outfall.	Covering/Stabilization
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Felled Trees	BMP exists on the S end of Site.	Sediment Retention
							Check Dam (Rock)	BMP is located on the S facing slope.	Sediment Retention
11-004(e)	11-004(a)-99	W-SMA-11	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Swale	BMP is located on the E facing slope.	Diversion
							Check Dam (Rock)	BMP is located on S facing slope by air gun area.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
							Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Splash Basin	BMP is located on the S facing slope under storm drain culvert.	Covering/Stabilization
							Swale	BMP is located on N facing slope.	Diversion
							Berm (Earth)	BMP is located behind and supporting large cement slabs by the air gun area.	Covering/Stabilization
							Riprap (Outlet Protection)	BMP is located on the S facing slope under active outfall.	Covering/Stabilization
							Riprap (General)	BMP is located on the S facing slope under active outfall.	Covering/Stabilization
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Felled Trees	BMPs are located on the S end of Site.	Sediment Retention
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
11-004(f)		W-SMA-11	Drop tower - firing site (active)	Water/Valle	S-Site (Martin)	56.0	Riprap (Outlet Protection)	BMP is located on the S facing slope under active outfall.	Covering/Stabilization
							Splash Basin	BMP is located on the S facing slope under storm drain culvert.	Covering/Stabilization
							Check Dam (Log)	BMP is located at the S drainage.	Sediment Retention
							Swale	BMP is located on the N facing slope.	Diversion
							Check Dam (Rock)	BMP is located on the S facing slope by air gun area.	Sediment Retention
							Concrete Debris	BMP is located on the S end of Site.	Sediment Retention
							Felled Trees	BMP is located on the S end of Site.	Sediment Retention
							Berm (Asphalt)	BMP is located on the N facing slope.	Diversion
							Straw Wattles	BMP is located on the N slope.	Sediment Retention
							Berm (Earth)	BMP is located behind and supporting large cement slabs by the air gun area.	Sediment Retention
							Riprap (General)	BMP is located on the S facing slope under active outfall.	Covering/Stabilization
							Swale	BMP is located on E facing slope.	Diversion
							Mulch (Hydro)	BMP is located at the S drainage.	Covering/Stabilization
							Straw Bale Barrier	BMP is located on the N slope.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the N slope.	Covering/Stabilization
16-026(c2)		W-SMA-1	Outfall, 16-462	Water/Valle	Upper Water	61.8	Straw Wattles	BMP is located at the outfall.	Sediment Retention
							Mulch (Straw)	BMP is located throughout Site.	Covering/Stabilization
							Check Dam (Rock)	BMP is located at the outfall.	Sediment Retention

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
16-026(v)	16-003(c)-99	W-SMA-1	Outfall	Water/Valle	Upper Water	65.8	Silt Fence	BMP is located in the drainage.	Sediment Retention
							Check Dam (Rock)	BMP is located in the drainage.	Sediment Retention
16-028(e)	16-029(g)-99	W-SMA-2	Industrial or sanitary wastewater treatment	Water/Valle	Upper Water	47.2	Straw Wattles	BMP is located throughout Site.	Sediment Retention
16-003(a)		W-SMA-4	Sump	Water/Valle	Upper Water	55.5	Seeding (Permanent)	BMP is located along outfall pipe, below cliff.	Covering/Stabilization
							Mulch (Straw)	BMP is located along outfall pipe, below cliff.	Covering/Stabilization
							Straw Wattles	BMP is located along the outfall pipe.	Sediment Retention
							Straw Wattles	BMP is located below the cliff.	Sediment Retention
11-001(c)		W-SMA-6	Firing site (inactive)	Water/Valle	Upper Water	56.2	Check Dam (Rock)	BMP is located on the S east facing mesa edge and slope.	Sediment Retention
16-026(h2)	16-029(e)-99	W-SMA-7	Outfall, 16-360	Water/Valle	Upper Water	61.0	Straw Bale Barrier	BMP is located within channel.	Dissipation
							Straw Wattles	BMP is located on the mesa top and on bench of canyon.	Sediment Retention
							Seeding (Permanent)	BMP is located at the drainage.	Covering/Stabilization
							Mulch (Straw)	BMP is located at the drainage.	Covering/Stabilization
							Check Dam (Rock)	BMP is located on the E facing slope within drainage.	Sediment Retention
16-028(b)		W-SMA-8	Industrial or sanitary wastewater treatment, 16-370	Water/Valle	Upper Water	83.0	Straw Wattles	BMP is located SE facing slope on lower Site.	Sediment Retention
							Riprap (General)	BMP is located on the S facing slope W of TA-16-370.	Covering/Stabilization
							Jute Matting	BMP is located on the S facing slope W of TA-16-370.	Covering/Stabilization
							Berm (Basecoarse)	BMP is located on the S facing slope W of TA-16-370.	Diversion
							Gabions (Channel Stabilization)	BMP is located on the S facing slope W of TA-16-370.	Covering/Stabilization
							Seeding (Permanent)	BMP is located on the S facing slope W of TA-16-370.	Covering/Stabilization
							Mulch (Straw)	BMP is located on the upper S facing slope.	Covering/Stabilization
							Straw Bale Barrier	BMP is located below parking lot.	Dissipation
							Reinforcement (Rock)	BMP is located on the S facing slope.	Sediment Retention
							Swale	BMP is located on the mesa top.	Diversion
							Mulch (Hydro)	BMP is located throughout Site.	Covering/Stabilization
16-006(c)	16-006(c)-00	W-SMA-8	Septic system	Water/Valle	Upper Water	49.5	Straw Wattles	BMP is located on the SE facing slope.	Sediment Retention
							Jute Matting	BMP is located along side of TA-17-370.	Covering/Stabilization
							Mulch (Hydro)	BMP is located on SE facing slope.	Covering/Stabilization
							Reseed	BMP is located on the SE facing slope.	Covering/Stabilization
							Check Dam (Rock)	BMP is located S of former cooling tower.	Dissipation
							Gabions (Channel Stabilization)	BMP is located along side of TA-17-370.	Dissipation
							Riprap (General)	BMP is located along side of TA-17-370.	Covering/Stabilization
							Berm (Basecoarse)	BMP is located along side of TA-17-370.	Diversion
							Berm (Earth)	BMP is located S of former cooling tower.	Diversion
16-016(g)		W-SMA-8	Surface disposal site	Water/Valle	Upper Water	46.1	Swale	BMP is located along asphalt park way.	Diversion
							Riprap (General)	BMP is located on the S facing slope.	Dissipation
							Straw Wattles	BMP is located on the S facing slope.	Sediment Retention
16-026(a)	16-006(c)-00	W-SMA-8	Outfall	Water/Valle	Upper Water	73.5	Reseed	BMP is located on the slope.	Covering/Stabilization
							Gabions (Slope Stabilization)	BMP is located on the S facing slope.	Covering/Stabilization
							Jute Matting	BMP is located on the S facing slope.	Covering/Stabilization
							Riprap (General)	BMP is located on the slope	Covering/Stabilization
							Straw Wattles	BMP is located on the S facing slope.	Sediment Retention
							Mulch (Straw)	BMP is located on the slope.	Covering/Stabilization
16-030(g)		W-SMA-9	Outfall	Water/Valle	Upper Water	71.0	Riprap (General)	BMP is located under outfall.	Dissipation
							Check Dam (Rock)	BMP is located within channel.	Dissipation
							Straw Bale Barrier	BMP is located on the S facing slope.	Sediment Retention
							Straw Bale Barrier	BMP is located on the mesa top.	Sediment Retention
							Straw Wattles	BMP is located on the S facing slope below rock check dam..	Sediment Retention

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
49-001(g)	49-001(a)-00	W-SMA-12	Material disposal area (MDA AB) (miscellaneous)	Water/Valle	Lower Water/Indio	59.2	Seeding (Permanent)	BMP is located on the N facing slope.	Covering/Stabilization
							Outlet Protection (Rock)	BMP is located on the N slope culvert outlet.	Covering/Stabilization
							Check Dam (Rock)	BMP is located on the N slope drainage.	Dissipation
							Mulch (Straw)	BMP is located on the N facing slope.	Covering/Stabilization
							Silt Fence	BMP is located on the N facing slope.	Sediment Retention
							Run-On Diversion	BMP is located off mesa top on N slope.	Diversion
							Straw Wattles	BMP is located on the N facing slope.	Sediment Retention
							Felled Trees	BMP is located on the N facing slope.	Sediment Retention
							Riprap (General)	BMP is located on the N facing slope.	Covering/Stabilization
							Riprap (Outlet Protection)	BMP is located on the N facing slope.	Covering/Stabilization
15-010(c)		W-SMA-14	Drainline	Water/Valle	Lower Water/Indio	51.5	Swale	BMP is located on mesa top and SW facing slope.	Diversion
49-005(a)		W-SMA-15	Landfill (east of Area 10)	Water/Valle	Lower Water/Indio	73.5	Check Dam (Rock)	BMP is located within channel.	Dissipation
							Felled Trees	BMP is located within channel.	Sediment Retention
							Straw Bale Barrier	BMP is located within channel.	Sediment Retention
36-004(b)		F-SMA-1	Firing site (active)	Water/Valle	Potrillo/Fence	57.3	Jersey Barrier	BMP is located on the E side of Site.	Sediment Retention
							Berm (Earth)	BMP is located on the W and SW sides of Site.	Sediment Retention
							Channel (Diversion)	BMP is located on the W side of Site.	Diversion
36-004(c)		F-SMA-2	Firing site - open detonation (active)	Water/Valle	Potrillo/Fence	68.3	Berm (Earth)	BMP is located on the W side of Site.	Sediment Retention
							Channel (Diversion)	BMP is located on the NW side of Site.	Diversion
36-005		F-SMA-3	Surface disposal site	Water/Valle	Potrillo/Fence	45.4	Mulch (Wood Chip)	BMP is located on the S end of Site.	Covering/Stabilization
15-009(e)		PT-SMA-0.5	Septic system, E/F Site	Water/Valle	Potrillo/Fence	44.7	Check Dam (Rock)	BMP is located SE of Site.	Sediment Retention
15-008(a)	15-004(f)-99	PT-SMA-1	Surface disposal E/F Site	Water/Valle	Potrillo/Fence	72.0	Straw Wattles	BMP on SE facing slope and mesa top	Sediment Retention
15-008(f)		PT-SMA-2	I-J Firing Site mounds at TA-36 (active)	Water/Valle	Potrillo/Fence	57.3	Check Dam (Rock)	BMPs are located across access roadway SW of Site.	Sediment Retention
							Berm (Asphalt)	BMP is located across roadway E of Site.	Diversion
36-003(b)		PT-SMA-2	Septic system, I-J Site	Water/Valle	Potrillo/Fence	50.2	Straw Wattles	BMP is located on the E side of Site.	Sediment Retention
							Georidges / Enviroberms	BMP is located along mesa edge.	Sediment Retention
36-004(e)		PT-SMA-2	I-J Firing Site (active)	Water/Valle	Potrillo/Fence	57.3	Straw Wattles	BMP is located along E access road.	Sediment Retention
							Jute Matting	BMP is located along E access road.	Covering/Stabilization
							Berm (Earth)	BMP is located on the SE end of Site.	Sediment Retention
							Berm (Asphalt)	BMP is located W of access road way.	Diversion
							Check Dam (Rock)	BMP lays across access dirt roadway on the W end of Site.	Sediment Retention
C-36-001		PT-SMA-2	Containment vessel	Water/Valle	Potrillo/Fence	57.3	Berm (Basecoarse)	BMP is located at the toe of Site.	Sediment Retention
36-004(a)	36-006-99	PT-SMA-3	Firing site (active)	Water/Valle	Potrillo/Fence	48.5	Reseed	BMP is located on the mesa edge on the N facing slope.	Covering/Stabilization
							Jute Matting	BMP is located on the mesa edge on N facing slope.	Covering/Stabilization
							Check Dam (Rock)	BMP is located on the mesa edge on the N facing slope.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the mesa edge on the N facing slope.	Covering/Stabilization
36-001		PT-SMA-4	Material disposal area (MDA AA)	Water/Valle	Potrillo/Fence	45.7	Riprap (Outlet Protection)	BMP is located within channel.	Dissipation
							Riprap (General)	BMP is located throughout Site.	Covering/Stabilization
							Straw Wattles	BMP is located by TA-36-12.	Sediment Retention
							Gabions (Channel Stabilization)	BMP is located on the E side of Site.	Covering/Stabilization
							Check Dam (Rock)	BMP is located within channel.	Sediment Retention
39-004(d)		A-SMA-1	Firing site 39-57 (open detonation) - RCRA Unit (active)	Ancho	North Ancho	74.0	Berm (Earth)	BMP is located on the NW side of Site.	Sediment Retention
							Retention Structure / Artificial Wetland	BMP is located on the E and W ends of Site.	Sediment Retention
							Sandbags	BMP is located on the E and W side of Site.	Sediment Retention

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
39-004(a)		A-SMA-1	Firing site	Ancho	North Ancho	74.0	Sandbags	BMP is located on the NW side of Site.	Sediment Retention
							Asphalt / Concrete	BMP is located on the NW side of Site.	Sediment Retention
							Asphalt / Concrete	BMP is located on the NW side of Site.	Diversion
39-004(b)		A-SMA-2	Firing site	Ancho	North Ancho	74.5	Straw Wattles	BMPs are located within channel SW and S of Site.	Sediment Retention
							Sandbags	BMP is located on the SW end of Site.	Sediment Retention
							Check Dam (Rock)	BMP is located within channel located S of Site.	Dissipation
39-004(e)		A-SMA-2	Firing site (active)	Ancho	North Ancho	78.5	Check Dam (Rock)	BMPs are located within channel located NE of Site.	Dissipation
39-004(c)		A-SMA-3	Firing site 39-6 (open detonation) - RCRA Unit (active)	Ancho	North Ancho	74.5	Jute Matting	BMP is located on the N facing slope below existing earth berm.	Covering/Stabilization
							Berm (Earth)	BMP is located on the NW side of Site.	Sediment Retention
33-010(b)		A-SMA-5	Surface disposal	Ancho	South Ancho	45.0	Jute Matting	BMP is located within drainage on SE side of Site.	Covering/Stabilization
							Straw Bale Barrier	BMP is located on mesa top within drainage.	Secondary Containment
33-008(c)		CHQ-SMA-1	Landfill	Chaquehui	Chaquehui	56.0	Mulch (Wood Chip)	BMP is located throughout the site.	Covering/Stabilization
							Georidges / Enviroberms	BMP is located within drainage at the E most end of channel.	Sediment Retention
							Culvert	BMP is located on west side at fence	Diversion
C-33-001		CHQ-SMA-1	Transformer	Chaquehui	Chaquehui	56.0	Mulch (Wood Chip)	BMP is located outside facility fencing.	Covering/Stabilization
C-33-003		CHQ-SMA-1	Soil contamination area	Chaquehui	Chaquehui	59.0	Berm (Basecoarse)	BMP is located along the W perimeter of Site.	Sediment Retention
							Jute Matting	BMP is located along the W perimeter of Site.	Covering/Stabilization
							Check Dam (Rock)	BMP is located on the S end of Site.	Dissipation
							Riprap (General)	BMP is located at the S end of Site.	Covering/Stabilization
33-004(d)		CHQ-SMA-2	Septic system	Chaquehui	Chaquehui	56.0	Mulch (Wood Chip)	BMP is located at the head of Site.	Covering/Stabilization
							Georidges / Enviroberms	BMP is located at the toe of Site.	Sediment Retention
33-005(a)	33-005(a)-00	CHQ-SMA-2	Septic system	Chaquehui	Chaquehui	49.0	Basecoarse	BMP mostly exists around the W perimeter of Site.	Covering/Stabilization
							Berm (Basecoarse)	BMP is located mostly around perimeter of Site.	Sediment Retention
							Jute Matting	BMP is located on the W perimeter of Site.	Covering/Stabilization
33-005(b)	33-005(a)-00	CHQ-SMA-2	Septic system	Chaquehui	Chaquehui	49.0	Berm (Basecoarse)	BMP exists mostly around perimeter of Site.	Sediment Retention
							Jute Matting	BMP exists on the W end of Site.	Covering/Stabilization
							Basecoarse	BMP exists around perimeter of Site.	Covering/Stabilization
33-005(c)	33-005(a)-00	CHQ-SMA-2	Septic system	Chaquehui	Chaquehui	49.0	Jute Matting	BMP exists along the W perimeter of Site.	Covering/Stabilization
							Basecoarse	BMP exists around the W perimeter of Site.	Covering/Stabilization
							Berm (Basecoarse)	BMP exists mostly around the perimeter of Site.	Sediment Retention
33-010(e)		CHQ-SMA-2	Surface disposal (Area 6)	Chaquehui	Chaquehui	47.2	Mulch (Wood Chip)	BMP is located at the head of Site.	Covering/Stabilization
							Georidges / Enviroberms	BMP is located at the toe of Site.	Sediment Retention
C-33-003		CHQ-SMA-2	Soil contamination area	Chaquehui	Chaquehui	59.0	Berm (Basecoarse)	BMP is located along the W perimeter of Site.	Sediment Retention
							Jute Matting	BMP is located along the W perimeter of Site.	Covering/Stabilization
							Check Dam (Rock)	BMP is located on the S end of Site.	Dissipation
							Riprap (General)	BMP is located at the S end of Site.	Covering/Stabilization
33-007(b)	33-004(j)-00	CHQ-SMA-5	Firing range (inactive)	Chaquehui	Chaquehui	59.3	Silt Fence	BMP is located along roadway.	Sediment Retention
							Jute Matting	BMP is located along roadway.	Covering/Stabilization
							Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Mulch (Straw)	BMP is located on the E & W slopes.	Covering/Stabilization
							Straw Bale Barrier	BMP is located S of old SGS location.	Sediment Retention
							Straw Bale Barrier	BMP is located in the drainage & S of old SGS location.	Sediment Retention
							Geotextiles (Synthetic)	BMP is located on N slope near bldg. 25.	Covering/Stabilization
							Reinforcement (Rock)	BMP is located behind straw bale barrier on the NE end of Site.	Covering/Stabilization
							Berm (Earth)	BMP is located throughout Site.	Sediment Retention
							Riprap (General)	BMP is located along roadway.	Covering/Stabilization
							Georidges / Enviroberms	BMP is located along roadway.	Sediment Retention
							Seeding (Permanent)	BMP is located on the E & W slopes.	Covering/Stabilization

Site Information							BMP Information		
Site ID	Consolidation Unit ID	SMA ID	Name	Watershed	Sub-Watershed	Erosion Matrix Score	Type	Description	Function
33-004(j)	33-004(j)-00	CHQ-SMA-6	Outfall	Chaquehui	Chaquehui	85.0	Straw Wattles	BMP is located on the mesa top.	Sediment Retention
							Check Dam (Rock)	BMP is located just E of roadway.	Sediment Retention
							Straw Bale Barrier	BMP is located on S slope and N side of Site.	Sediment Retention
							Mulch (Wood Chip)	BMP is located on west side of site.	Covering/Stabilization
							Jute Matting	BMP is located on E facing slope of Site.	Covering/Stabilization
							Berm (Earth)	BMP is located on the E facing slope of Site.	Diversion
							Silt Fence	BMP is located on E facing slope of Site.	Sediment Retention
33-006(a)	33-004(j)-00	CHQ-SMA-6	Firing site (inactive)	Chaquehui	Chaquehui	56.0	Reseed	BMP is located on the mesa top.	Covering/Stabilization
							Check Dam (Rock)	BMP is located within channel.	Sediment Retention
							Straw Wattles	BMP is located on the upper W slope.	Sediment Retention
							Silt Fence	BMP is located in the drainage.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the slope.	Covering/Stabilization
							Riprap (General)	BMP is located on both sides of silt fence.	Covering/Stabilization
							Mulch (Straw)	BMP is located on the mesa top.	Covering/Stabilization
							Straw Bale Barrier	BMP is located in the drainage.	Sediment Retention
33-007(b)	33-004(j)-00	CHQ-SMA-6	Firing range (inactive)	Chaquehui	Chaquehui	59.3	Silt Fence	BMP is located along roadway.	Sediment Retention
							Jute Matting	BMP is located along roadway.	Covering/Stabilization
							Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Mulch (Straw)	BMP is located on the E & W slopes.	Covering/Stabilization
							Straw Bale Barrier	BMP is located S of old SGS location.	Sediment Retention
							Straw Bale Barrier	BMP is located in the drainage & S of old SGS location.	Sediment Retention
							Geotextiles (Synthetic)	BMP is located on N slope near bldg. 25.	Covering/Stabilization
							Reinforcement (Rock)	BMP is located behind straw bale barrier on the NE end of Site.	Covering/Stabilization
							Berm (Earth)	BMP is located throughout Site.	Sediment Retention
							Riprap (General)	BMP is located along roadway.	Covering/Stabilization
							Georidges / Enviroberms	BMP is located along roadway.	Sediment Retention
							Seeding (Permanent)	BMP is located on the E & W slopes.	Covering/Stabilization
33-010(c)	33-004(j)-00	CHQ-SMA-6	Surface disposal	Chaquehui	Chaquehui	60.5	Straw Wattles	BMP is located on upper W slope.	Sediment Retention
							Straw Bale Barrier	BMP is located in the drainage.	Sediment Retention
							Check Dam (Rock)	BMP is located on the mesa top.	Sediment Retention
							Riprap (General)	BMP is located on either side of silt fencing along channel.	Covering/Stabilization
							Mulch (Straw)	BMP is located on the mesa top.	Covering/Stabilization
							Silt Fence	BMP is located in the drainage.	Sediment Retention
							Jute Matting (Poly)	BMP is located on the slope.	Covering/Stabilization
							Seeding (Permanent)	BMP is located on the mesa top.	Covering/Stabilization
33-010(g)		CHQ-SMA-6	Surface disposal	Chaquehui	Chaquehui	47.8	Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Mulch (Wood Chip)	BMP is located on the E side of Site.	Covering/Stabilization
							Mulch (Straw)	BMP is located on the E end of Site.	Covering/Stabilization
							Straw Wattles	BMP is located throughout Site.	Sediment Retention
							Mulch (Wood Chip)	BMP is located on the E side of Site.	Covering/Stabilization
							Mulch (Straw)	BMP is located on the E end of Site.	Covering/Stabilization

NPDES Form 2F Section V – Non Storm Water Discharges

There are no revisions to the contents of this section provided in Volume 1 of this application, submitted on December 31, 2004.

NPDES Form 2F Section V – Non Storm Water Discharges

There are no revisions to the contents of this section provided in Volume 1 of this application, submitted on December 20, 2004.

NPDES Form 2F Section VI – Significant Leaks or Spills

There are no revisions to the contents of this section provided in Volume 1 of this application, submitted on December 20, 2004.

NPDES Form 2F Section VII – Discharge Information

Introduction

National Pollutant Discharge Elimination System (NPDES) Form 2F Section VII, shown following this introduction, includes Parts A, B, C, D and E requesting data regarding concentrations of various pollutants and flow rates during storm water runoff events. Extensive data have been collected by LANL to characterize storm water runoff quality at the watershed level. A lesser amount of storm water runoff data has been collected to characterize runoff from Sites directly at the Site Monitoring Areas (SMAs). Due to the infrequent storm events and flashy runoff periods at the LANL facility, it is not possible to collect data at all intervals requested in Section VII.

Additional data being provided for this section cannot be fully incorporated into the standard Form 2F Section VII format. To best present the requested information and provide additional pertinent detail, Table VII-6 has been developed and is included in this section following Form 2F. Table VII-6 is discussed in greater detail under Part C.

Parts A

Per EPA, Part A is not applicable. Of the parameters for which data is requested, available data for Chemical Oxygen Demand and Total Suspended Solids are included in Table VII-6, which is discussed in Part C.

Parts B

Per EPA, Part B is not applicable. Pollutants that are included in the Laboratory's existing NPDES permit for process wastewater, NPDES Permit No. NM0028355 (EPA 2001) are included in the Part C table, Table VII-6.

Part C

Per EPA, available storm water runoff data required for Part C are provided for the Group 2 gage stations in the Pajarito, Water/Canon de Valle, Ancho, and Chaquehui watersheds.

Table VII-6 presents data for storm water runoff samples collected at watershed gage stations for the period October 1, 2001 through December 31, 2004. The table is organized according to the four major watersheds included in this submittal – Pajarito, Water/Canon de Valle, Ancho, and Chaquehui – and further organized by sub-watersheds and corresponding gage stations.

Water quality data for 18 gage stations in Group 2 are presented in Table VII-6. The following four gage stations in Group 2 are not represented due to the lack of sufficient storm water flow to allow sampling: E266, E267.5, E274, and E338 .

The analytical data for storm water runoff samples is taken from the LANL Water Quality Database. The Water Quality Database is an Oracle-based information management system that is the repository for the results of storm water runoff monitoring conducted by Environmental Stewardship Division (ENV) Water Quality and Hydrology Group (ENV-WQH). Note: Analyses

for total suspended solids and suspended sediment concentration are reported with the same analyte name, total suspended solids.

All analyses were performed using unfiltered water samples. The analytical data are organized by analytical suite: dioxins and furans; general inorganics; high explosives; metals; petroleum hydrocarbons; pesticides and polychlorinated biphenyl compounds (PCBs); radionuclides; semivolatile organic compounds (SVOCs); and volatile organic compounds (VOCs). The data presented for radionuclides is limited to radium-226 and radium-228, tritium, and gross alpha. Additional radionuclide data may be found in the Laboratory's annual environmental surveillance reports (LANL 2002, LANL 2004a, LANL 2004f). For the organic analytes, data for non-detected as well as detected compounds is presented to indicate that the samples underwent analysis for the non-detected compounds.

All analyses were performed using test methods promulgated in 40 CFR Part 136, with the following exceptions.

- Seven metals on the target analyte list are analyzed using inductively coupled plasma mass spectrometry (ICPMS) according to EPA Method 200.8 (EPA 1994). The Laboratory has received interim approval from EPA Region 6 Office to use Method 200.8 as an alternate test procedure for use in wastewater compliance monitoring in December 1999.

- Perchlorate anion is analyzed by two methods: ion chromatography, using EPA Method 314.0 (EPA 1999); and/or liquid chromatography thermospray mass spectrometry (LC/TS-MS) using SW-846 Method 8321A (EPA 1998). The EPA has not approved the LC/TS-MS method for perchlorate analysis; however, the method provides a lower detection limit than the EPA-approved ion chromatography method. There is no approved method for perchlorate listed in 40 CFR Part 136.

- High explosives (HE) compounds are analyzed by high performance liquid chromatography using SW-846 Method 8330 (EPA 1998). There is no approved method for HE compounds listed in 40 CFR Part 136.

- Petroleum hydrocarbons (diesel range organics) are analyzed using SW-846 Method 8015 (modified) (EPA 1998). There is no approved method for diesel range petroleum hydrocarbons listed in 40 CFR Part 136.

- Radionuclides are analyzed using subcontractor laboratory procedures that are based on the EPA 900-series methods (EPA 1980), the DOE Environmental Measurement Laboratory HASL-300 methods (DOE 1997), and/or other industry-accepted methodologies.

Nondetected values are included in the calculated maximum and average values. Nondetected results for organic pollutants were adjusted to zero. Nondetected results for inorganic pollutants were adjusted to one-half the reported method detection limit (MDL). Nondetected results for

gross alpha, radium-226, radium-228, and tritium were adjusted to one-half the reported minimum detectable activity (MDA).

Part D

Available precipitation and flow data are not sufficient to meet all Part D requirements. The Laboratory publishes gage station flow data annually, including daily mean flow by gage station. The attached information for Part D is excerpted from the Laboratory surface water data reports for the 2002 (LANL 2003a) and 2003 (LANL 2004c) water years, where a water year is defined as the period from October 1 through September 30; the information presented spans the period October 31, 2001 through September 30, 2003. Summary information and data tables of daily mean values for discharge are provided for Group 2 gage stations located in Pajarito, Water/Canon de Valle, Ancho, and Chaquehui watersheds. The daily table of discharge records for each gage station gives the mean discharge for each day of the water year.

Part E

The information requested for Part E was previously submitted in Volume 1 of December 31, 2004 application submittal.

Form 2F and Associated Data

Form **2F** NPDES	United States Environmental Protection Agency Washington, DC 20460 **Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity**

VII. Discharge Information

A,B,C, & D: See instruction before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables Vii-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E. Potential discharges not covered by analysis - is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes *(list all such pollutants below)* ☒ No *(go to Section IX)*

PARTS A AND B ARE NOT APPLICABLE
FOR PART C, PLEASE SEE ATTACHED TABLE VII-6
FOR PART D, PLEASE SEE ATTACHED INFORMATION
FOR PART E, PLEASE SEE VOLUME 1

VII. Discharge Information

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
PART A IS NOT APPLICABLE; PLEASE SEE PART C FOR ANY AVAILABLE DATA						
Oil & Grease		N/A				
Biological Oxygen Demand (BOD5)						
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)						
Total Organic Nitrogen						
Total Phosphorus						
pH	Minimum	Maximum	Minimum	Maximum		

VII. Discharge Information

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
PART B IS NOT APPLICABLE						

VII. Discharge Information

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
PLEASE SEE ATTACHED TABLE VII-6						

VII. Discharge Information

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm Event *(in minutes)*	3. Total rainfall during storm event *(in inches)*	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Total flow from rain event *(gallons or specify units)*
PLEASE SEE ATTACHED INFORMATION				

7. Provide a description of the method of flow measurement or estimate.

LANL uses a network of complete record-gaging stations to gather records of stage and discharge measurements from streams in 5-minute increments. In addition to using gaging stations to gather stage and discharge measurements, direct observation of factors affecting the stage/discharge relations is made. Weather records and other information that supplement base data in determining flow are consulted. Stage/discharge relation curves are used to prepare tables that give the discharge for any stage measured at a stream-gaging station. Daily mean discharge, which is computed by applying daily mean gage height (stage) to the stage discharge tables, is reported.

Table VII-6. Gage Station Discharge Information

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Chaquehui Watershed							
Subwatershed: Chaquehui							
Gage Station **E340**							
General Inorganics							
Chemical Oxygen Demand (mg/L), (CAS not available)	352	5/26/2003	N/A	352	5/26/2003	N/A	1
Cyanide (Total) (mg/L), 57-12-5	0.00086	5/26/2003	N/A	0.00086	5/26/2003	N/A	1
Metal							
Mercury (ug/L), 7439-97-6	0.393	5/26/2003	N/A	0.393	5/26/2003	N/A	1
Mortandad Watershed							
Subwatershed: Lower Canada del Buey							
Gage Station **E227**							
General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.59	8/28/2002	N/A	0.24	8/28/2002 - 8/10/2004	N/A	4
Chemical Oxygen Demand (mg/L), (CAS not available)	307	9/9/2002	N/A	193.75	8/28/2002 - 8/10/2004	N/A	4
Cyanide (Total) (mg/L), 57-12-5	0.0317	8/28/2002	N/A	0.01	8/28/2002 - 8/10/2004	N/A	5
Cyanide, Amenable (mg/L), 57-12-5	0.00086	9/9/2002 - 8/10/2004	N/A	0	9/9/2002 - 8/10/2004	N/A	3
Magnesium (mg/L), 7439-95-4	66.3	8/28/2002	N/A	42.37	8/28/2002 - 8/10/2004	N/A	3
Nitrate-Nitrite as N (mg/L), (CAS not available)	0.41	9/9/2002	N/A	0.41	9/9/2002	N/A	1
Perchlorate (ug/L), 14797-73-0	2	8/11/2003	N/A	1.15	9/9/2002 - 8/11/2003	N/A	3
Total Kjeldahl Nitrogen (mg/L), (CAS not available)	5.05	9/9/2002	N/A	5.05	9/9/2002	N/A	1
Total Phosphorus (mg/L), 7723-14-0	2.08	9/9/2002	N/A	2.08	9/9/2002	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	14500	8/11/2003	N/A	8451.67	8/28/2002 - 8/10/2004	N/A	6
Metal							
Aluminum (ug/L), 7429-90-5	79400	8/11/2003	N/A	75966.67	8/28/2002 - 8/10/2004	N/A	3
Antimony (ug/L), 7440-36-0	2.28	8/11/2003	N/A	0.83	8/28/2002 - 8/10/2004	N/A	3

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Arsenic (ug/L), 7440-38-2	24.4	8/11/2003	N/A	18.53	8/28/2002 - 8/10/2004	N/A	4
Barium (ug/L), 7440-39-3	1130	8/28/2002	N/A	946.33	8/28/2002 - 8/10/2004	N/A	3
Beryllium (ug/L), 7440-41-7	9.43	8/11/2003	N/A	8.09	8/28/2002 - 8/10/2004	N/A	3
Boron (ug/L), 7440-42-8	145	8/28/2002	N/A	112.37	8/28/2002 - 8/10/2004	N/A	3
Cadmium (ug/L), 7440-43-9	6.82	8/11/2003	N/A	4.56	8/28/2002 - 8/10/2004	N/A	4
Chromium (ug/L), 7440-47-3	55.4	8/11/2003	N/A	49.1	8/28/2002 - 8/10/2004	N/A	3
Cobalt (ug/L), 7440-48-4	34.7	8/11/2003	N/A	27.3	8/28/2002 - 8/10/2004	N/A	3
Copper (ug/L), 7440-50-8	76	8/11/2003	N/A	68.87	8/28/2002 - 8/10/2004	N/A	3
Iron (ug/L), 7439-89-6	66000	8/10/2004	N/A	45426.86	8/28/2002 - 8/10/2004	N/A	4
Lead (ug/L), 7439-92-1	126	8/11/2003	N/A	87.28	8/28/2002 - 8/10/2004	N/A	4
Manganese (ug/L), 7439-96-5	3970	8/28/2002	N/A	3393.33	8/28/2002 - 8/10/2004	N/A	3
Mercury (ug/L), 7439-97-6	0.443	8/28/2002	N/A	0.19	8/28/2002 - 8/10/2004	N/A	5
Molybdenum (ug/L), 7439-98-7	0.474	8/28/2002 - 8/10/2004	N/A	0.47	8/28/2002 - 8/10/2004	N/A	3
Nickel (ug/L), 7440-02-0	56.8	8/11/2003	N/A	50.07	8/28/2002 - 8/10/2004	N/A	3
Selenium (ug/L), 7782-49-2	1.145	8/28/2002 - 8/10/2004	N/A	0.98	8/28/2002 - 8/10/2004	N/A	4
Silver (ug/L), 7440-22-4	1.81	10/24/2002	N/A	0.76	8/28/2002 - 8/10/2004	N/A	4
Thallium (ug/L), 7440-28-0	1.37	8/11/2003	N/A	1.04	8/28/2002 - 8/10/2004	N/A	3
Tin (ug/L), 7440-31-5	0.775	8/28/2002 - 8/10/2004	N/A	0.78	8/28/2002 - 8/10/2004	N/A	3
Vanadium (ug/L), 7440-62-2	134	8/11/2003	N/A	115	8/28/2002 - 8/10/2004	N/A	3
Zinc (ug/L), 7440-66-6	934	8/28/2002	N/A	867.67	8/28/2002 - 8/10/2004	N/A	3
Pesticides and PCBs							
Aroclor-1016 (ug/L), 12674-11-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Aroclor-1221 (ug/L), 11104-28-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Aroclor-1232 (ug/L), 11141-16-5	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Aroclor-1242 (ug/L), 53469-21-9	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Aroclor-1248 (ug/L), 12672-29-6	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Aroclor-1254 (ug/L), 11097-69-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Aroclor-1260 (ug/L), 11096-82-5	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Aroclor-1262 (ug/L), 37324-23-5	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	440	5/26/2003	N/A	440	5/26/2003	N/A	1
Radium-226 (pCi/L), 13982-63-3	1.25	5/26/2003	N/A	1.25	5/26/2003	N/A	1
Radium-228 (pCi/L), 34293-73-7	15.4	5/26/2003	N/A	15.4	5/26/2003	N/A	1
Tritium (pCi/L), 10028-17-8	663	9/9/2002	N/A	232	9/9/2002 - 8/10/2004	N/A	4
Semivolatile Organics							
Acenaphthene (ug/L), 83-32-9	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Acenaphthylene (ug/L), 208-96-8	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Aniline (ug/L), 62-53-3	4.6	8/10/2004	N/A	2.3	8/11/2003 - 8/10/2004	N/A	2
Anthracene (ug/L), 120-12-7	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Azobenzene (ug/L), 103-33-3	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Benzidine (ug/L), 92-87-5	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Benzo(a)anthracene (ug/L), 56-55-3	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Benzo(a)pyrene (ug/L), 50-32-8	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Benzo(b)fluoranthene (ug/L), 205-99-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Benzo(g,h,i)perylene (ug/L), 191-24-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Benzo(k)fluoranthene (ug/L), 207-08-9	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Benzoic Acid (ug/L), 65-85-0	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Benzyl Alcohol (ug/L), 100-51-6	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Bis(2-chloroethoxy)methane (ug/L), 111-91-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Bis(2-chloroethyl)ether (ug/L), 111-44-4	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Bis(2-ethylhexyl)phthalate (ug/L), 117-81-7	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Bromophenyl-phenylether[4-] (ug/L), 101-55-3	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Butylbenzylphthalate (ug/L), 85-68-7	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Chloro-3-methylphenol[4-] (ug/L), 59-50-7	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Chloroaniline[4-] (ug/L), 106-47-8	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Chloronaphthalene[2-] (ug/L), 91-58-7	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Chlorophenol[2-] (ug/L), 95-57-8	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Chlorophenyl-phenyl[4-] Ether (ug/L), 7005-72-3	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Chrysene (ug/L), 218-01-9	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dibenz(a,h)anthracene (ug/L), 53-70-3	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dibenzofuran (ug/L), 132-64-9	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dichlorobenzene[1,2-] (ug/L), 95-50-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dichlorobenzene[1,3-] (ug/L), 541-73-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dichlorobenzene[1,4-] (ug/L), 106-46-7	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dichlorobenzidine[3,3'-] (ug/L), 91-94-1	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Dichlorophenol[2,4-] (ug/L), 120-83-2	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Diethylphthalate (ug/L), 84-66-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dimethyl Phthalate (ug/L), 131-11-3	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dimethylphenol[2,4-] (ug/L), 105-67-9	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Di-n-butylphthalate (ug/L), 84-74-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dinitro-2-methylphenol[4,6-] (ug/L), 534-52-1	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Dinitrophenol[2,4-] (ug/L), 51-28-5	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Di-n-octylphthalate (ug/L), 117-84-0	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Diphenylamine (ug/L), 122-39-4	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Fluoranthene (ug/L), 206-44-0	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Fluorene (ug/L), 86-73-7	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Hexachlorobenzene (ug/L), 118-74-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Hexachlorobutadiene (ug/L), 87-68-3	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Hexachlorocyclopentadiene (ug/L), 77-47-4	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Hexachloroethane (ug/L), 67-72-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Indeno(1,2,3-cd)pyrene (ug/L), 193-39-5	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Isophorone (ug/L), 78-59-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Methylnaphthalene[2-] (ug/L), 91-57-6	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Methylphenol[2-] (ug/L), 95-48-7	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Methylphenol[4-] (ug/L), 106-44-5	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Methylpyridine[2-] (ug/L), 109-06-8	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Naphthalene (ug/L), 91-20-3	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Nitroaniline[2-] (ug/L), 88-74-4	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Nitroaniline[3-] (ug/L), 99-09-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Nitroaniline[4-] (ug/L), 100-01-6	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Nitrobenzene (ug/L), 98-95-3	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Nitrophenol[2-] (ug/L), 88-75-5	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Nitrophenol[4-] (ug/L), 100-02-7	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Nitrosodimethylamine[N-] (ug/L), 62-75-9	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Nitroso-di-n-propylamine[N-] (ug/L), 621-64-7	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Oxybis(1-chloropropane)[2,2'-] (ug/L), 108-60-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Pentachlorophenol (ug/L), 87-86-5	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Phenanthrene (ug/L), 85-01-8	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Phenol (ug/L), 108-95-2	0	8/10/2004	N/A	0	8/10/2004	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Pyrene (ug/L), 129-00-0	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Pyridine (ug/L), 110-86-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Trichlorobenzene[1,2,4-] (ug/L), 120-82-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	2
Trichlorophenol[2,4,5-] (ug/L), 95-95-4	0	8/10/2004	N/A	0	8/10/2004	N/A	1
Trichlorophenol[2,4,6-] (ug/L), 88-06-2	0	8/10/2004	N/A	0	8/10/2004	N/A	1

Subwatershed: Upper Mortandad

Gage Station E200

General Inorganics

Ammonia as Nitrogen (mg/L), (CAS not available)	0.97	6/21/2002	N/A	0.24	6/21/2002 - 8/20/2004	N/A	8
Chemical Oxygen Demand (mg/L), (CAS not available)	245	8/11/2004	N/A	112.87	6/21/2002 - 8/20/2004	N/A	8
Cyanide (Total) (mg/L), 57-12-5	0.00504	6/21/2002	N/A	0	6/21/2002 - 8/20/2004	N/A	8
Cyanide, Amenable (mg/L), 57-12-5	0.00086	9/10/2002 - 8/20/2004	N/A	0	9/10/2002 - 8/20/2004	N/A	7
Magnesium (mg/L), 7439-95-4	7.14	8/18/2004	N/A	3.85	6/21/2002 - 8/20/2004	N/A	8
Nitrate-Nitrite as N (mg/L), (CAS not available)	0.31	9/10/2002	N/A	0.31	9/10/2002	N/A	1
Perchlorate (ug/L), 14797-73-0	2	9/3/2003	N/A	0.65	9/10/2002 - 8/20/2004	N/A	8
Suspended Sediment Concentration (mg/L), (CAS not available)	400	7/27/2004	N/A	400	7/27/2004	N/A	1
Total Kjeldahl Nitrogen (mg/L), (CAS not available)	1.17	9/10/2002	N/A	1.17	9/10/2002	N/A	1
Total Phosphorus (mg/L), 7723-14-0	0.54	9/10/2002	N/A	0.54	9/10/2002	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	3970	7/20/2003	N/A	1596.4	9/10/2002 - 8/20/2004	N/A	10

Metal

Aluminum (ug/L), 7429-90-5	43900	9/3/2003	N/A	23754.29	9/10/2002 - 8/20/2004	N/A	7
Antimony (ug/L), 7440-36-0	4.9	7/27/2004	N/A	2.28	9/10/2002 - 8/20/2004	N/A	7
Arsenic (ug/L), 7440-38-2	17.4	8/18/2004	N/A	5.58	6/21/2002 - 8/20/2004	N/A	9
Barium (ug/L), 7440-39-3	429	8/18/2004	N/A	212.47	9/10/2002 - 8/20/2004	N/A	7
Beryllium (ug/L), 7440-41-7	0.086	9/10/2002 - 8/20/2004	N/A	0.09	9/10/2002 - 8/20/2004	N/A	7
Boron (ug/L), 7440-42-8	0.695	9/10/2002 - 8/20/2004	N/A	0.7	9/10/2002 - 8/20/2004	N/A	7

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Cadmium (ug/L), 7440-43-9	1.43	9/3/2003	N/A	0.33	6/21/2002 - 8/20/2004	N/A	9
Chromium (ug/L), 7440-47-3	37.6	9/3/2003	N/A	19.43	9/10/2002 - 8/20/2004	N/A	7
Cobalt (ug/L), 7440-48-4	11.1	8/18/2004	N/A	4.25	9/10/2002 - 8/20/2004	N/A	7
Copper (ug/L), 7440-50-8	56.4	8/18/2004	N/A	30.29	9/10/2002 - 8/20/2004	N/A	7
Iron (ug/L), 7439-89-6	46100	9/3/2003	N/A	18885	9/10/2002 - 8/20/2004	N/A	8
Lead (ug/L), 7439-92-1	73.4	8/18/2004	N/A	30.71	6/21/2002 - 8/20/2004	N/A	9
Manganese (ug/L), 7439-96-5	2170	8/18/2004	N/A	943.57	9/10/2002 - 8/20/2004	N/A	7
Mercury (ug/L), 7439-97-6	0.0236	6/21/2002 - 8/20/2004	N/A	0.02	6/21/2002 - 8/20/2004	N/A	9
Molybdenum (ug/L), 7439-98-7	38.7	9/10/2002	N/A	13.36	9/10/2002 - 8/20/2004	N/A	7
Nickel (ug/L), 7440-02-0	26.5	8/18/2004	N/A	14.54	9/10/2002 - 8/20/2004	N/A	7
Selenium (ug/L), 7782-49-2	7.88	9/3/2003	N/A	2.3	6/21/2002 - 8/20/2004	N/A	9
Silver (ug/L), 7440-22-4	0.4095	9/10/2002 - 8/20/2004	N/A	0.34	6/21/2002 - 8/20/2004	N/A	9
Thallium (ug/L), 7440-28-0	0.631	9/3/2003	N/A	0.18	9/10/2002 - 8/20/2004	N/A	7
Tin (ug/L), 7440-31-5	0.775	9/10/2002 - 8/20/2004	N/A	0.78	9/10/2002 - 8/20/2004	N/A	7
Vanadium (ug/L), 7440-62-2	54.1	9/3/2003	N/A	27.43	9/10/2002 - 8/20/2004	N/A	7
Zinc (ug/L), 7440-66-6	468	8/18/2004	N/A	230.09	9/10/2002 - 8/20/2004	N/A	7
Pesticides and PCBs							
Aroclor-1016 (ug/L), 12674-11-2	0	7/27/2004 - 8/20/2004	N/A	0	7/27/2004 - 8/20/2004	N/A	5
Aroclor-1221 (ug/L), 11104-28-2	0	7/27/2004 - 8/20/2004	N/A	0	7/27/2004 - 8/20/2004	N/A	5
Aroclor-1232 (ug/L), 11141-16-5	0	7/27/2004 - 8/20/2004	N/A	0	7/27/2004 - 8/20/2004	N/A	5
Aroclor-1242 (ug/L), 53469-21-9	0	7/27/2004 - 8/20/2004	N/A	0	7/27/2004 - 8/20/2004	N/A	5
Aroclor-1248 (ug/L), 12672-29-6	0	7/27/2004 - 8/20/2004	N/A	0	7/27/2004 - 8/20/2004	N/A	5
Aroclor-1254 (ug/L), 11097-69-1	0	7/27/2004 - 8/20/2004	N/A	0	7/27/2004 - 8/20/2004	N/A	5
Aroclor-1260 (ug/L), 11096-82-5	0	7/27/2004 - 8/20/2004	N/A	0	7/27/2004 - 8/20/2004	N/A	5
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	835	5/24/2003	N/A	329.38	5/24/2003 - 8/20/2004	N/A	8

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Radium-226 (pCi/L), 13982-63-3	5.86	7/20/2003	N/A	4.36	5/24/2003 - 8/11/2003	N/A	3
Radium-228 (pCi/L), 34293-73-7	21.2	7/20/2003	N/A	10.61	5/24/2003 - 8/11/2003	N/A	3
Tritium (pCi/L), 10028-17-8	1680	9/10/2002	N/A	479.38	9/10/2002 - 8/20/2004	N/A	8

Pajarito Watershed

Subwatershed: Lower Pajarito

Gage Station E248

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.81	8/28/2002	N/A	0.46	8/28/2002 - 9/9/2002	N/A	2
Chemical Oxygen Demand (mg/L), (CAS not available)	463	8/28/2002	N/A	335.5	8/28/2002 - 9/9/2002	N/A	2
Cyanide (Total) (mg/L), 57-12-5	0.00631	8/28/2002	N/A	0	8/28/2002 - 9/9/2002	N/A	2
Cyanide, Amenable (mg/L), 57-12-5	0.00086	9/9/2002	N/A	0.00086	9/9/2002	N/A	1
Magnesium (mg/L), 7439-95-4	87.5	8/28/2002	N/A	87.5	8/28/2002	N/A	1
Nitrate-Nitrite as N (mg/L), (CAS not available)	0.41	9/9/2002	N/A	0.41	9/9/2002	N/A	1
Perchlorate (ug/L), 14797-73-0	0.725	9/9/2002	N/A	0.725	9/9/2002	N/A	1
Total Kjeldahl Nitrogen (mg/L), (CAS not available)	4.05	9/9/2002	N/A	4.05	9/9/2002	N/A	1
Total Phosphorus (mg/L), 7723-14-0	1.65	9/9/2002	N/A	1.65	9/9/2002	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	12800	8/28/2002	N/A	10630	8/28/2002 - 5/25/2003	N/A	3
Metal							
Aluminum (ug/L), 7429-90-5	6560	9/9/2002	N/A	6560	9/9/2002	N/A	1
Antimony (ug/L), 7440-36-0	0.1	9/9/2002	N/A	0.1	9/9/2002	N/A	1
Arsenic (ug/L), 7440-38-2	21.8	8/28/2002	N/A	11.32	8/28/2002 - 9/9/2002	N/A	2
Barium (ug/L), 7440-39-3	646	9/9/2002	N/A	646	9/9/2002	N/A	1
Beryllium (ug/L), 7440-41-7	0.086	9/9/2002	N/A	0.086	9/9/2002	N/A	1
Boron (ug/L), 7440-42-8	150	9/9/2002	N/A	150	9/9/2002	N/A	1
Cadmium (ug/L), 7440-43-9	5.56	8/28/2002	N/A	3.63	8/28/2002 - 9/9/2002	N/A	2
Chromium (ug/L), 7440-47-3	0.715	9/9/2002	N/A	0.715	9/9/2002	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Cobalt (ug/L), 7440-48-4	10.3	9/9/2002	N/A	10.3	9/9/2002	N/A	1
Copper (ug/L), 7440-50-8	22.7	9/9/2002	N/A	22.7	9/9/2002	N/A	1
Iron (ug/L), 7439-89-6	86900	8/28/2002	N/A	43870.5	8/28/2002 - 9/9/2002	N/A	2
Lead (ug/L), 7439-92-1	119	8/28/2002	N/A	71.95	8/28/2002 - 9/9/2002	N/A	2
Manganese (ug/L), 7439-96-5	1660	9/9/2002	N/A	1660	9/9/2002	N/A	1
Mercury (ug/L), 7439-97-6	0.409	8/28/2002	N/A	0.34	8/28/2002 - 9/9/2002	N/A	2
Molybdenum (ug/L), 7439-98-7	0.474	9/9/2002	N/A	0.474	9/9/2002	N/A	1
Nickel (ug/L), 7440-02-0	15.8	9/9/2002	N/A	15.8	9/9/2002	N/A	1
Selenium (ug/L), 7782-49-2	1.145	9/9/2002	N/A	0.82	8/28/2002 - 9/9/2002	N/A	2
Silver (ug/L), 7440-22-4	2.87	8/28/2002	N/A	1.64	8/28/2002 - 9/9/2002	N/A	2
Thallium (ug/L), 7440-28-0	0.01	9/9/2002	N/A	0.01	9/9/2002	N/A	1
Tin (ug/L), 7440-31-5	0.775	9/9/2002	N/A	0.775	9/9/2002	N/A	1
Vanadium (ug/L), 7440-62-2	24.8	9/9/2002	N/A	24.8	9/9/2002	N/A	1
Zinc (ug/L), 7440-66-6	219	9/9/2002	N/A	219	9/9/2002	N/A	1
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	724	9/9/2002	N/A	619.5	9/9/2002 - 5/25/2003	N/A	2
Radium-226 (pCi/L), 13982-63-3	7.91	5/25/2003	N/A	6.44	9/9/2002 - 5/25/2003	N/A	2
Radium-228 (pCi/L), 34293-73-7	14.9	5/25/2003	N/A	14.3	9/9/2002 - 5/25/2003	N/A	2
Tritium (pCi/L), 10028-17-8	566	9/9/2002	N/A	445.5	9/9/2002 - 5/25/2003	N/A	2
Semivolatile Organics							
Acenaphthene (ug/L), 83-32-9	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Acenaphthylene (ug/L), 208-96-8	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Aniline (ug/L), 62-53-3	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Anthracene (ug/L), 120-12-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Benzidine (ug/L), 92-87-5	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Benzo(a)anthracene (ug/L), 56-55-3	0	9/9/2002	N/A	0	9/9/2002	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Benzo(a)pyrene (ug/L), 50-32-8	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Benzo(b)fluoranthene (ug/L), 205-99-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Benzo(g,h,i)perylene (ug/L), 191-24-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Benzo(k)fluoranthene (ug/L), 207-08-9	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Benzoic Acid (ug/L), 65-85-0	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Benzyl Alcohol (ug/L), 100-51-6	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Bis(2-chloroethoxy)methane (ug/L), 111-91-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Bis(2-chloroethyl)ether (ug/L), 111-44-4	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Bis(2-ethylhexyl)phthalate (ug/L), 117-81-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Bromophenyl-phenylether[4-] (ug/L), 101-55-3	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Butylbenzylphthalate (ug/L), 85-68-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Chloro-3-methylphenol[4-] (ug/L), 59-50-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Chloroaniline[4-] (ug/L), 106-47-8	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Chloronaphthalene[2-] (ug/L), 91-58-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Chlorophenol[2-] (ug/L), 95-57-8	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Chlorophenyl-phenyl[4-] Ether (ug/L), 7005-72-3	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Chrysene (ug/L), 218-01-9	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dibenz(a,h)anthracene (ug/L), 53-70-3	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dibenzofuran (ug/L), 132-64-9	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dichlorobenzene[1,2-] (ug/L), 95-50-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dichlorobenzene[1,3-] (ug/L), 541-73-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dichlorobenzene[1,4-] (ug/L), 106-46-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dichlorobenzidine[3,3'-] (ug/L), 91-94-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dichlorophenol[2,4-] (ug/L), 120-83-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Diethylphthalate (ug/L), 84-66-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Dimethyl Phthalate (ug/L), 131-11-3	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dimethylphenol[2,4-] (ug/L), 105-67-9	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Di-n-butylphthalate (ug/L), 84-74-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dinitro-2-methylphenol[4,6-] (ug/L), 534-52-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dinitrophenol[2,4-] (ug/L), 51-28-5	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Di-n-octylphthalate (ug/L), 117-84-0	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Diphenylamine (ug/L), 122-39-4	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Diphenylhydrazine[1,2-] (ug/L), 122-66-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Fluoranthene (ug/L), 206-44-0	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Fluorene (ug/L), 86-73-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Hexachlorobenzene (ug/L), 118-74-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Hexachlorobutadiene (ug/L), 87-68-3	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Hexachlorocyclopentadiene (ug/L), 77-47-4	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Hexachloroethane (ug/L), 67-72-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Indeno(1,2,3-cd)pyrene (ug/L), 193-39-5	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Isophorone (ug/L), 78-59-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Methylnaphthalene[2-] (ug/L), 91-57-6	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Methylphenol[2-] (ug/L), 95-48-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Methylphenol[4-] (ug/L), 106-44-5	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Methylpyridine[2-] (ug/L), 109-06-8	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Naphthalene (ug/L), 91-20-3	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Nitroaniline[2-] (ug/L), 88-74-4	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Nitroaniline[3-] (ug/L), 99-09-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Nitroaniline[4-] (ug/L), 100-01-6	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Nitrobenzene (ug/L), 98-95-3	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Nitrophenol[2-] (ug/L), 88-75-5	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Nitrophenol[4-] (ug/L), 100-02-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Nitrosodimethylamine[N-] (ug/L), 62-75-9	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Nitroso-di-n-propylamine[N-] (ug/L), 621-64-7	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Oxybis(1-chloropropane)[2,2'-] (ug/L), 108-60-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Pentachlorophenol (ug/L), 87-86-5	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Phenanthrene (ug/L), 85-01-8	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Phenol (ug/L), 108-95-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Pyrene (ug/L), 129-00-0	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Pyridine (ug/L), 110-86-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Trichlorobenzene[1,2,4-] (ug/L), 120-82-1	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Trichlorophenol[2,4,5-] (ug/L), 95-95-4	0	9/9/2002	N/A	0	9/9/2002	N/A	1
Trichlorophenol[2,4,6-] (ug/L), 88-06-2	0	9/9/2002	N/A	0	9/9/2002	N/A	1

Gage Station **E248.5**

General Inorganics

Ammonia as Nitrogen (mg/L), (CAS not available)	0.52	8/11/2003	N/A	0.24	5/26/2003 - 9/25/2004	N/A	4
Chemical Oxygen Demand (mg/L), (CAS not available)	482	5/26/2003	N/A	181.62	8/28/2002 - 9/25/2004	N/A	5
Cyanide (Total) (mg/L), 57-12-5	0.259	8/28/2002	N/A	0.1	8/28/2002 - 10/11/2004	N/A	6
Cyanide, Amenable (mg/L), 57-12-5	0.0744	8/28/2002	N/A	0.02	8/28/2002 - 10/11/2004	N/A	4
Magnesium (mg/L), 7439-95-4	48.8	5/26/2003	N/A	18.54	5/26/2003 - 9/25/2004	N/A	5
Perchlorate (ug/L), 14797-73-0	2	8/11/2003	N/A	1.36	8/28/2002 - 8/11/2003	N/A	2
Total Kjeldahl Nitrogen (mg/L), (CAS not available)	1.03	8/28/2002	N/A	1.03	8/28/2002	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	39000	8/11/2003	N/A	13226.56	8/28/2002 - 9/25/2004	N/A	9

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Metal							
Aluminum (ug/L), 7429-90-5	20600	4/2/2004	N/A	13880	4/2/2004 - 9/25/2004	N/A	3
Antimony (ug/L), 7440-36-0	8.24	7/24/2004	N/A	6.15	4/2/2004 - 9/25/2004	N/A	3
Arsenic (ug/L), 7440-38-2	24.7	5/26/2003	N/A	8.78	5/26/2003 - 9/25/2004	N/A	5
Barium (ug/L), 7440-39-3	164	4/2/2004	N/A	110.1	4/2/2004 - 9/25/2004	N/A	3
Beryllium (ug/L), 7440-41-7	1.51	4/2/2004	N/A	0.77	4/2/2004 - 9/25/2004	N/A	3
Boron (ug/L), 7440-42-8	16.7	4/2/2004	N/A	9.07	4/2/2004 - 9/25/2004	N/A	3
Cadmium (ug/L), 7440-43-9	9.6	5/26/2003	N/A	3.24	5/26/2003 - 9/25/2004	N/A	5
Chromium (ug/L), 7440-47-3	15.9	9/25/2004	N/A	10.47	4/2/2004 - 9/25/2004	N/A	3
Cobalt (ug/L), 7440-48-4	4.24	4/2/2004	N/A	2.21	4/2/2004 - 9/25/2004	N/A	3
Copper (ug/L), 7440-50-8	23.2	9/25/2004	N/A	18.4	4/2/2004 - 9/25/2004	N/A	3
Iron (ug/L), 7439-89-6	120000	5/26/2003	N/A	38462	5/26/2003 - 9/25/2004	N/A	5
Lead (ug/L), 7439-92-1	184	5/26/2003	N/A	64	5/26/2003 - 9/25/2004	N/A	5
Manganese (ug/L), 7439-96-5	366	4/2/2004	N/A	242.33	4/2/2004 - 9/25/2004	N/A	3
Mercury (ug/L), 7439-97-6	3.9	8/11/2003	N/A	0.58	8/28/2002 - 9/25/2004	N/A	8
Molybdenum (ug/L), 7439-98-7	2.1	9/25/2004	N/A	1.02	4/2/2004 - 9/25/2004	N/A	3
Nickel (ug/L), 7440-02-0	10.2	4/2/2004	N/A	5.7	4/2/2004 - 9/25/2004	N/A	3
Selenium (ug/L), 7782-49-2	7.91	5/26/2003	N/A	3.3	5/26/2003 - 9/25/2004	N/A	5
Silver (ug/L), 7440-22-4	64.9	5/26/2003	N/A	17.41	5/26/2003 - 9/25/2004	N/A	5
Thallium (ug/L), 7440-28-0	0.33	9/25/2004	N/A	0.18	4/2/2004 - 9/25/2004	N/A	3
Tin (ug/L), 7440-31-5	1.9	9/25/2004	N/A	1.15	4/2/2004 - 9/25/2004	N/A	3
Vanadium (ug/L), 7440-62-2	22.2	4/2/2004	N/A	15.88	4/2/2004 - 9/25/2004	N/A	3
Zinc (ug/L), 7440-66-6	162	4/2/2004	N/A	127.37	4/2/2004 - 9/25/2004	N/A	3
Pesticides and PCBs							
Aroclor-1016 (ug/L), 12674-11-2	0	8/11/2003 - 7/24/2004	N/A	0	8/11/2003 - 7/24/2004	N/A	3
Aroclor-1221 (ug/L), 11104-28-2	0	8/11/2003 - 7/24/2004	N/A	0	8/11/2003 - 7/24/2004	N/A	3

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Aroclor-1232 (ug/L), 11141-16-5	0	8/11/2003 - 7/24/2004	N/A	0	8/11/2003 - 7/24/2004	N/A	3
Aroclor-1242 (ug/L), 53469-21-9	0	8/11/2003 - 7/24/2004	N/A	0	8/11/2003 - 7/24/2004	N/A	3
Aroclor-1248 (ug/L), 12672-29-6	0	8/11/2003 - 7/24/2004	N/A	0	8/11/2003 - 7/24/2004	N/A	3
Aroclor-1254 (ug/L), 11097-69-1	0	8/11/2003 - 7/24/2004	N/A	0	8/11/2003 - 7/24/2004	N/A	3
Aroclor-1260 (ug/L), 11096-82-5	0	8/11/2003 - 7/24/2004	N/A	0	8/11/2003 - 7/24/2004	N/A	3
Aroclor-1262 (ug/L), 37324-23-5	0	8/11/2003 - 4/2/2004	N/A	0	8/11/2003 - 4/2/2004	N/A	2
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	132	8/10/2004	N/A	132	8/10/2004	N/A	1
Tritium (pCi/L), 10028-17-8	494	9/10/2002	N/A	250.3	9/10/2002 - 8/10/2004	N/A	5
Semivolatile Organics							
Acenaphthene (ug/L), 83-32-9	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Acenaphthylene (ug/L), 208-96-8	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Aniline (ug/L), 62-53-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Anthracene (ug/L), 120-12-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Azobenzene (ug/L), 103-33-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Benzidine (ug/L), 92-87-5	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Benzo(a)anthracene (ug/L), 56-55-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Benzo(a)pyrene (ug/L), 50-32-8	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Benzo(b)fluoranthene (ug/L), 205-99-2	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Benzo(g,h,i)perylene (ug/L), 191-24-2	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Benzo(k)fluoranthene (ug/L), 207-08-9	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Benzoic Acid (ug/L), 65-85-0	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Benzyl Alcohol (ug/L), 100-51-6	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Bis(2-chloroethoxy)methane (ug/L), 111-91-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Bis(2-chloroethyl)ether (ug/L), 111-44-4	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Bis(2-ethylhexyl)phthalate (ug/L), 117-81-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Bromophenyl-phenylether[4-] (ug/L), 101-55-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Butylbenzylphthalate (ug/L), 85-68-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Chloro-3-methylphenol[4-] (ug/L), 59-50-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Chloroaniline[4-] (ug/L), 106-47-8	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Chloronaphthalene[2-] (ug/L), 91-58-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Chlorophenol[2-] (ug/L), 95-57-8	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Chlorophenyl-phenyl[4-] Ether (ug/L), 7005-72-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Chrysene (ug/L), 218-01-9	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dibenz(a,h)anthracene (ug/L), 53-70-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dibenzofuran (ug/L), 132-64-9	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dichlorobenzene[1,2-] (ug/L), 95-50-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dichlorobenzene[1,3-] (ug/L), 541-73-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dichlorobenzene[1,4-] (ug/L), 106-46-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dichlorophenol[2,4-] (ug/L), 120-83-2	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Diethylphthalate (ug/L), 84-66-2	1.6	8/11/2003	N/A	1.6	8/11/2003	N/A	1
Dimethyl Phthalate (ug/L), 131-11-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dimethylphenol[2,4-] (ug/L), 105-67-9	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Di-n-butylphthalate (ug/L), 84-74-2	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dinitro-2-methylphenol[4,6-] (ug/L), 534-52-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dinitrophenol[2,4-] (ug/L), 51-28-5	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Di-n-octylphthalate (ug/L), 117-84-0	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Diphenylamine (ug/L), 122-39-4	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Fluoranthene (ug/L), 206-44-0	0	8/11/2003	N/A	0	8/11/2003	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Fluorene (ug/L), 86-73-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Hexachlorobenzene (ug/L), 118-74-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Hexachlorobutadiene (ug/L), 87-68-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Hexachlorocyclopentadiene (ug/L), 77-47-4	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Hexachloroethane (ug/L), 67-72-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Indeno(1,2,3-cd)pyrene (ug/L), 193-39-5	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Isophorone (ug/L), 78-59-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Methylnaphthalene[2-] (ug/L), 91-57-6	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Methylphenol[2-] (ug/L), 95-48-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Methylphenol[4-] (ug/L), 106-44-5	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Methylpyridine[2-] (ug/L), 109-06-8	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Naphthalene (ug/L), 91-20-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Nitroaniline[2-] (ug/L), 88-74-4	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Nitroaniline[3-] (ug/L), 99-09-2	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Nitroaniline[4-] (ug/L), 100-01-6	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Nitrobenzene (ug/L), 98-95-3	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Nitrophenol[2-] (ug/L), 88-75-5	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Nitrophenol[4-] (ug/L), 100-02-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Nitrosodimethylamine[N-] (ug/L), 62-75-9	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Nitroso-di-n-propylamine[N-] (ug/L), 621-64-7	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Oxybis(1-chloropropane)[2,2'-] (ug/L), 108-60-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Pentachlorophenol (ug/L), 87-86-5	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Phenanthrene (ug/L), 85-01-8	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Phenol (ug/L), 108-95-2	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Pyrene (ug/L), 129-00-0	0	8/11/2003	N/A	0	8/11/2003	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Pyridine (ug/L), 110-86-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Trichlorobenzene[1,2,4-] (ug/L), 120-82-1	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Trichlorophenol[2,4,5-] (ug/L), 95-95-4	0	8/11/2003	N/A	0	8/11/2003	N/A	1
Trichlorophenol[2,4,6-] (ug/L), 88-06-2	0	8/11/2003	N/A	0	8/11/2003	N/A	1

Gage Station **E249**

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.392	8/10/2004	N/A	0.22	9/9/2002 - 8/10/2004	N/A	4
Chemical Oxygen Demand (mg/L), (CAS not available)	387	8/10/2004	N/A	329.5	9/9/2002 - 8/10/2004	N/A	4
Cyanide (Total) (mg/L), 57-12-5	0.00592	9/9/2002	N/A	0	9/9/2002 - 8/10/2004	N/A	4
Cyanide, Amenable (mg/L), 57-12-5	0.00086	8/10/2004	N/A	0	8/10/2004	N/A	2
Magnesium (mg/L), 7439-95-4	5.12	9/9/2002	N/A	3.98	9/9/2002 - 8/10/2004	N/A	4
Perchlorate (ug/L), 14797-73-0	2	8/11/2003	N/A	2	8/11/2003	N/A	2
Total Suspended Solids (mg/L), (CAS not available)	12300	5/26/2003	N/A	7930	5/26/2003 - 8/10/2004	N/A	6
Metal							
Aluminum (ug/L), 7429-90-5	121000	8/11/2003	N/A	63075	8/11/2003 - 8/10/2004	N/A	4
Antimony (ug/L), 7440-36-0	0.1	8/11/2003 - 8/10/2004	N/A	0.1	8/11/2003 - 8/10/2004	N/A	4
Arsenic (ug/L), 7440-38-2	25.9	8/11/2003	N/A	9.93	9/9/2002 - 8/10/2004	N/A	6
Barium (ug/L), 7440-39-3	1070	8/11/2003	N/A	619.5	8/11/2003 - 8/10/2004	N/A	4
Beryllium (ug/L), 7440-41-7	11.2	8/11/2003	N/A	5.64	8/11/2003 - 8/10/2004	N/A	4
Boron (ug/L), 7440-42-8	90.7	8/11/2003	N/A	58.7	8/11/2003 - 8/10/2004	N/A	4
Cadmium (ug/L), 7440-43-9	4.73	8/11/2003	N/A	1.99	9/9/2002 - 8/10/2004	N/A	6
Chromium (ug/L), 7440-47-3	88.3	8/11/2003	N/A	44.51	8/11/2003 - 8/10/2004	N/A	4
Cobalt (ug/L), 7440-48-4	33.9	8/11/2003	N/A	17.14	8/11/2003 - 8/10/2004	N/A	4
Copper (ug/L), 7440-50-8	85.6	8/11/2003	N/A	50.65	8/11/2003 - 8/10/2004	N/A	4
Iron (ug/L), 7439-89-6	86900	8/11/2003	N/A	32903.33	9/9/2002 - 8/10/2004	N/A	6
Lead (ug/L), 7439-92-1	148	8/11/2003	N/A	70.73	9/9/2002 - 8/10/2004	N/A	6

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Manganese (ug/L), 7439-96-5	3160	8/11/2003	N/A	1854.5	8/11/2003 - 8/10/2004	N/A	4
Mercury (ug/L), 7439-97-6	0.236	8/11/2003	N/A	0.09	9/9/2002 - 8/10/2004	N/A	6
Molybdenum (ug/L), 7439-98-7	0.474	8/11/2003 - 8/10/2004	N/A	0.47	8/11/2003 - 8/10/2004	N/A	4
Nickel (ug/L), 7440-02-0	63.5	8/11/2003	N/A	36.05	8/11/2003 - 8/10/2004	N/A	4
Selenium (ug/L), 7782-49-2	1.145	8/11/2003 - 8/10/2004	N/A	0.93	9/9/2002 - 8/10/2004	N/A	6
Silver (ug/L), 7440-22-4	9.62	8/11/2003	N/A	3.38	9/9/2002 - 8/10/2004	N/A	6
Thallium (ug/L), 7440-28-0	1.3	8/11/2003	N/A	0.66	8/11/2003 - 8/10/2004	N/A	4
Tin (ug/L), 7440-31-5	0.775	8/11/2003 - 8/10/2004	N/A	0.78	8/11/2003 - 8/10/2004	N/A	4
Vanadium (ug/L), 7440-62-2	142	8/11/2003	N/A	75.95	8/11/2003 - 8/10/2004	N/A	4
Zinc (ug/L), 7440-66-6	787	8/11/2003	N/A	433.2	8/11/2003 - 8/10/2004	N/A	4
Pesticides and PCBs							
Aroclor-1016 (ug/L), 12674-11-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	4
Aroclor-1221 (ug/L), 11104-28-2	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	4
Aroclor-1232 (ug/L), 11141-16-5	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	4
Aroclor-1242 (ug/L), 53469-21-9	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	4
Aroclor-1248 (ug/L), 12672-29-6	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	4
Aroclor-1254 (ug/L), 11097-69-1	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	4
Aroclor-1260 (ug/L), 11096-82-5	0	8/11/2003 - 8/10/2004	N/A	0	8/11/2003 - 8/10/2004	N/A	4
Aroclor-1262 (ug/L), 37324-23-5	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	356	5/26/2003	N/A	356	5/26/2003	N/A	2
Radium-226 (pCi/L), 13982-63-3	10.2	5/26/2003	N/A	10.2	5/26/2003	N/A	2
Radium-228 (pCi/L), 34293-73-7	15.8	5/26/2003	N/A	15.8	5/26/2003	N/A	2
Tritium (pCi/L), 10028-17-8	1980	8/10/2004	N/A	1032.67	5/26/2003 - 8/10/2004	N/A	6
Semivolatile Organics							
Acenaphthene (ug/L), 83-32-9	0	8/11/2003	N/A	0	8/11/2003	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Acenaphthylene (ug/L), 208-96-8	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Aniline (ug/L), 62-53-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Anthracene (ug/L), 120-12-7	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Azobenzene (ug/L), 103-33-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Benzidine (ug/L), 92-87-5	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Benzo(a)anthracene (ug/L), 56-55-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Benzo(a)pyrene (ug/L), 50-32-8	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Benzo(b)fluoranthene (ug/L), 205-99-2	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Benzo(g,h,i)perylene (ug/L), 191-24-2	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Benzo(k)fluoranthene (ug/L), 207-08-9	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Bis(2-chloroethoxy)methane (ug/L), 111-91-1	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Bis(2-chloroethyl)ether (ug/L), 111-44-4	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Bis(2-ethylhexyl)phthalate (ug/L), 117-81-7	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Bromophenyl-phenylether[4-] (ug/L), 101-55-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Butylbenzylphthalate (ug/L), 85-68-7	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Chloroaniline[4-] (ug/L), 106-47-8	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Chloronaphthalene[2-] (ug/L), 91-58-7	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Chlorophenyl-phenyl[4-] Ether (ug/L), 7005-72-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Chrysene (ug/L), 218-01-9	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Dibenz(a,h)anthracene (ug/L), 53-70-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Dibenzofuran (ug/L), 132-64-9	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Dichlorobenzene[1,2-] (ug/L), 95-50-1	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Dichlorobenzene[1,3-] (ug/L), 541-73-1	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Dichlorobenzene[1,4-] (ug/L), 106-46-7	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Diethylphthalate (ug/L), 84-66-2	0	8/11/2003	N/A	0	8/11/2003	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Dimethyl Phthalate (ug/L), 131-11-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Di-n-butylphthalate (ug/L), 84-74-2	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Di-n-octylphthalate (ug/L), 117-84-0	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Diphenylamine (ug/L), 122-39-4	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Fluoranthene (ug/L), 206-44-0	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Fluorene (ug/L), 86-73-7	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Hexachlorobenzene (ug/L), 118-74-1	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Hexachlorobutadiene (ug/L), 87-68-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Hexachlorocyclopentadiene (ug/L), 77-47-4	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Hexachloroethane (ug/L), 67-72-1	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Indeno(1,2,3-cd)pyrene (ug/L), 193-39-5	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Isophorone (ug/L), 78-59-1	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Methylnaphthalene[2-] (ug/L), 91-57-6	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Methylpyridine[2-] (ug/L), 109-06-8	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Naphthalene (ug/L), 91-20-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Nitroaniline[2-] (ug/L), 88-74-4	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Nitroaniline[3-] (ug/L), 99-09-2	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Nitroaniline[4-] (ug/L), 100-01-6	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Nitrobenzene (ug/L), 98-95-3	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Nitrosodimethylamine[N-] (ug/L), 62-75-9	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Nitroso-di-n-propylamine[N-] (ug/L), 621-64-7	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Oxybis(1-chloropropane)[2,2'-] (ug/L), 108-60-1	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Phenanthrene (ug/L), 85-01-8	0	8/11/2003	N/A	0	8/11/2003	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Pyrene (ug/L), 129-00-0	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Pyridine (ug/L), 110-86-1	0	8/11/2003	N/A	0	8/11/2003	N/A	2
Trichlorobenzene[1,2,4-] (ug/L), 120-82-1	0	8/11/2003	N/A	0	8/11/2003	N/A	2

Gage Station **E249.5**

General Inorganics

Ammonia as Nitrogen (mg/L), (CAS not available)	0.925	6/28/2004	N/A	0.3	10/8/2001 - 8/11/2004	N/A	9
Chemical Oxygen Demand (mg/L), (CAS not available)	461	6/28/2004	N/A	120.29	10/8/2001 - 8/11/2004	N/A	9
Cyanide (Total) (mg/L), 57-12-5	0.0063	6/28/2004	N/A	0	10/8/2001 - 8/10/2004	N/A	7
Cyanide, Amenable (mg/L), 57-12-5	0.00086	9/9/2002 - 8/10/2004	N/A	0	9/9/2002 - 8/10/2004	N/A	3
Magnesium (mg/L), 7439-95-4	3.92	9/7/2002	N/A	2.19	10/8/2001 - 8/18/2004	N/A	8
Nitrate-Nitrite as N (mg/L), (CAS not available)	0.21	9/10/2002	N/A	0.21	9/10/2002	N/A	1
Perchlorate (ug/L), 14797-73-0	0.725	9/9/2002	N/A	0.725	9/9/2002	N/A	1
Total Kjeldahl Nitrogen (mg/L), (CAS not available)	0.4	9/10/2002	N/A	0.4	9/10/2002	N/A	1
Total Phosphorus (mg/L), 7723-14-0	0.0055	9/10/2002	N/A	0.0055	9/10/2002	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	2800	9/9/2002	N/A	431.91	10/8/2001 - 9/4/2004	N/A	16

Metal

Aluminum (ug/L), 7429-90-5	15800	9/9/2002	N/A	15800	9/9/2002	N/A	1
Antimony (ug/L), 7440-36-0	2.81	9/9/2002	N/A	2.81	9/9/2002	N/A	1
Arsenic (ug/L), 7440-38-2	6.79	9/7/2002	N/A	3.32	10/8/2001 - 8/18/2004	N/A	9
Barium (ug/L), 7440-39-3	433	9/9/2002	N/A	433	9/9/2002	N/A	1
Beryllium (ug/L), 7440-41-7	0.086	9/9/2002	N/A	0.086	9/9/2002	N/A	1
Boron (ug/L), 7440-42-8	0.695	9/9/2002	N/A	0.695	9/9/2002	N/A	1
Cadmium (ug/L), 7440-43-9	1.3	8/10/2004	N/A	0.33	10/8/2001 - 8/18/2004	N/A	9
Chromium (ug/L), 7440-47-3	6.88	9/9/2002	N/A	6.88	9/9/2002	N/A	1
Cobalt (ug/L), 7440-48-4	8.67	9/9/2002	N/A	8.67	9/9/2002	N/A	1
Copper (ug/L), 7440-50-8	22.2	9/9/2002	N/A	22.2	9/9/2002	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Iron (ug/L), 7439-89-6	7880	9/9/2002	N/A	3562.86	10/8/2001 - 8/31/2004	N/A	7
Lead (ug/L), 7439-92-1	27.2	9/9/2002	N/A	7.83	10/8/2001 - 8/18/2004	N/A	9
Manganese (ug/L), 7439-96-5	1040	9/9/2002	N/A	1040	9/9/2002	N/A	1
Mercury (ug/L), 7439-97-6	0.49	9/9/2002	N/A	0.08	10/8/2001 - 8/10/2004	N/A	8
Molybdenum (ug/L), 7439-98-7	0.474	9/9/2002	N/A	0.474	9/9/2002	N/A	1
Nickel (ug/L), 7440-02-0	11.9	9/9/2002	N/A	11.9	9/9/2002	N/A	1
Selenium (ug/L), 7782-49-2	1.19	10/8/2001	N/A	0.65	10/8/2001 - 8/18/2004	N/A	9
Silver (ug/L), 7440-22-4	0.4095	9/9/2002	N/A	0.15	10/8/2001 - 8/18/2004	N/A	9
Thallium (ug/L), 7440-28-0	0.01	9/9/2002	N/A	0.01	9/9/2002	N/A	1
Tin (ug/L), 7440-31-5	0.775	9/9/2002	N/A	0.775	9/9/2002	N/A	1
Vanadium (ug/L), 7440-62-2	24.9	9/9/2002	N/A	24.9	9/9/2002	N/A	1
Zinc (ug/L), 7440-66-6	259	9/9/2002	N/A	259	9/9/2002	N/A	1
Pesticides and PCBs							
Aroclor-1016 (ug/L), 12674-11-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Aroclor-1221 (ug/L), 11104-28-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Aroclor-1232 (ug/L), 11141-16-5	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Aroclor-1242 (ug/L), 53469-21-9	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Aroclor-1248 (ug/L), 12672-29-6	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Aroclor-1254 (ug/L), 11097-69-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Aroclor-1260 (ug/L), 11096-82-5	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Aroclor-1262 (ug/L), 37324-23-5	0	12/8/2003	N/A	0	12/8/2003	N/A	1
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	140	9/9/2002	N/A	26.74	9/9/2002 - 9/4/2004	N/A	6
Radium-226 (pCi/L), 13982-63-3	2.18	9/9/2002	N/A	1.3	9/9/2002 - 12/8/2003	N/A	2
Radium-228 (pCi/L), 34293-73-7	3.94	9/9/2002	N/A	2.15	9/9/2002 - 12/8/2003	N/A	2
Tritium (pCi/L), 10028-17-8	373	8/6/2004	N/A	205	9/9/2002 - 9/4/2004	N/A	6

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Semivolatile Organics							
Acenaphthene (ug/L), 83-32-9	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Acenaphthylene (ug/L), 208-96-8	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Aniline (ug/L), 62-53-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Anthracene (ug/L), 120-12-7	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Azobenzene (ug/L), 103-33-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Benzidine (ug/L), 92-87-5	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Benzo(a)anthracene (ug/L), 56-55-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Benzo(a)pyrene (ug/L), 50-32-8	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Benzo(b)fluoranthene (ug/L), 205-99-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Benzo(g,h,i)perylene (ug/L), 191-24-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Benzo(k)fluoranthene (ug/L), 207-08-9	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Benzoic Acid (ug/L), 65-85-0	11.2	12/8/2003	N/A	3.73	12/8/2003 - 8/11/2004	N/A	3
Benzyl Alcohol (ug/L), 100-51-6	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Bis(2-chloroethoxy)methane (ug/L), 111-91-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Bis(2-chloroethyl)ether (ug/L), 111-44-4	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Bis(2-ethylhexyl)phthalate (ug/L), 117-81-7	8.1	12/8/2003	N/A	4.1	12/8/2003 - 8/11/2004	N/A	3
Bromophenyl-phenylether[4-] (ug/L), 101-55-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Butylbenzylphthalate (ug/L), 85-68-7	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Chloro-3-methylphenol[4-] (ug/L), 59-50-7	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Chloroaniline[4-] (ug/L), 106-47-8	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Chloronaphthalene[2-] (ug/L), 91-58-7	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Chlorophenol[2-] (ug/L), 95-57-8	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Chlorophenyl-phenyl[4-] Ether (ug/L), 7005-72-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Chrysene (ug/L), 218-01-9	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Dibenz(a,h)anthracene (ug/L), 53-70-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dibenzofuran (ug/L), 132-64-9	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dichlorobenzene[1,2-] (ug/L), 95-50-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dichlorobenzene[1,2-] (ug/L), 95-50-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	4
Dichlorobenzene[1,3-] (ug/L), 541-73-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dichlorobenzene[1,3-] (ug/L), 541-73-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	4
Dichlorobenzene[1,4-] (ug/L), 106-46-7	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dichlorobenzene[1,4-] (ug/L), 106-46-7	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	4
Dichlorobenzidine[3,3'-] (ug/L), 91-94-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dichlorophenol[2,4-] (ug/L), 120-83-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Diethylphthalate (ug/L), 84-66-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dimethyl Phthalate (ug/L), 131-11-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dimethylphenol[2,4-] (ug/L), 105-67-9	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Di-n-butylphthalate (ug/L), 84-74-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dinitro-2-methylphenol[4,6-] (ug/L), 534-52-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dinitrophenol[2,4-] (ug/L), 51-28-5	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Di-n-octylphthalate (ug/L), 117-84-0	2.6	8/10/2004	N/A	1.53	12/8/2003 - 8/11/2004	N/A	3
Diphenylamine (ug/L), 122-39-4	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Fluoranthene (ug/L), 206-44-0	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Fluorene (ug/L), 86-73-7	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Hexachlorobenzene (ug/L), 118-74-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Hexachlorobutadiene (ug/L), 87-68-3	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Hexachlorobutadiene (ug/L), 87-68-3	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	4

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Hexachlorocyclopentadiene (ug/L), 77-47-4	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Hexachloroethane (ug/L), 67-72-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Indeno(1,2,3-cd)pyrene (ug/L), 193-39-5	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Isophorone (ug/L), 78-59-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Methylnaphthalene[2-] (ug/L), 91-57-6	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Methylphenol[2-] (ug/L), 95-48-7	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Methylphenol[4-] (ug/L), 106-44-5	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Methylpyridine[2-] (ug/L), 109-06-8	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Naphthalene (ug/L), 91-20-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Naphthalene (ug/L), 91-20-3	0	8/18/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Naphthalene (ug/L), 91-20-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	4
Naphthalene (ug/L), 91-20-3	0	8/18/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	4
Nitroaniline[2-] (ug/L), 88-74-4	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Nitroaniline[3-] (ug/L), 99-09-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Nitroaniline[4-] (ug/L), 100-01-6	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Nitrobenzene (ug/L), 98-95-3	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Nitrophenol[2-] (ug/L), 88-75-5	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Nitrophenol[4-] (ug/L), 100-02-7	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Nitrosodimethylamine[N-] (ug/L), 62-75-9	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Nitroso-di-n-propylamine[N-] (ug/L), 621-64-7	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Oxybis(1-chloropropane)[2,2'-] (ug/L), 108-60-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Pentachlorophenol (ug/L), 87-86-5	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Phenanthrene (ug/L), 85-01-8	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Phenol (ug/L), 108-95-2	11.8	8/10/2004	N/A	3.93	12/8/2003 - 8/11/2004	N/A	3
Pyrene (ug/L), 129-00-0	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Pyridine (ug/L), 110-86-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Trichlorobenzene[1,2,4-] (ug/L), 120-82-1	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Trichlorophenol[2,4,5-] (ug/L), 95-95-4	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Trichlorophenol[2,4,6-] (ug/L), 88-06-2	0	12/8/2003 - 8/11/2004	N/A	0	12/8/2003 - 8/11/2004	N/A	3
Volatile Organics							
Acetone (ug/L), 67-64-1	50.1	8/31/2004	N/A	26.08	12/8/2003 - 8/31/2004	N/A	4
Acrolein (ug/L), 107-02-8	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Acrylonitrile (ug/L), 107-13-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Benzene (ug/L), 71-43-2	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Bromobenzene (ug/L), 108-86-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Bromochloromethane (ug/L), 74-97-5	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Bromodichloromethane (ug/L), 75-27-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Bromoform (ug/L), 75-25-2	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Bromomethane (ug/L), 74-83-9	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Butanone[2-] (ug/L), 78-93-3	9.6	8/31/2004	N/A	4.25	12/8/2003 - 8/31/2004	N/A	4
Butylbenzene[n-] (ug/L), 104-51-8	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Butylbenzene[sec-] (ug/L), 135-98-8	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Butylbenzene[tert-] (ug/L), 98-06-6	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Carbon Disulfide (ug/L), 75-15-0	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Carbon Tetrachloride (ug/L), 56-23-5	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Chlorobenzene (ug/L), 108-90-7	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Chlorodibromomethane (ug/L), 124-48-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Chloroethane (ug/L), 75-00-3	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Chloroethyl vinyl ether[2-] (ug/L), 110-75-8	0	8/18/2004 - 8/31/2004	N/A	0	8/18/2004 - 8/31/2004	N/A	3
Chloroform (ug/L), 67-66-3	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
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Chloromethane (ug/L), 74-87-3	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Chlorotoluene[2-] (ug/L), 95-49-8	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Chlorotoluene[4-] (ug/L), 106-43-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dibromo-3-Chloropropane[1,2-] (ug/L), 96-12-8	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dibromoethane[1,2-] (ug/L), 106-93-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dibromomethane (ug/L), 74-95-3	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichlorobenzene[1,2-] (ug/L), 95-50-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	3
Dichlorobenzene[1,2-] (ug/L), 95-50-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichlorobenzene[1,3-] (ug/L), 541-73-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	3
Dichlorobenzene[1,3-] (ug/L), 541-73-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichlorobenzene[1,4-] (ug/L), 106-46-7	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichlorobenzene[1,4-] (ug/L), 106-46-7	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	3
Dichlorodifluoromethane (ug/L), 75-71-8	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloroethane[1,1-] (ug/L), 75-34-3	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloroethane[1,2-] (ug/L), 107-06-2	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloroethene[1,1-] (ug/L), 75-35-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloroethene[trans-1,2-] (ug/L), 156-60-5	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloropropane[1,2-] (ug/L), 78-87-5	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloropropane[1,3-] (ug/L), 142-28-9	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloropropane[2,2-] (ug/L), 594-20-7	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloropropene[1,1-] (ug/L), 563-58-6	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloropropene[cis-1,3-] (ug/L), 10061-01-5	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Dichloropropene[trans-1,3-] (ug/L), 10061-02-6	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Ethylbenzene (ug/L), 100-41-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Hexachlorobutadiene (ug/L), 87-68-3	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	3

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Hexachlorobutadiene (ug/L), 87-68-3	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Hexanone[2-] (ug/L), 591-78-6	1.9	8/18/2004	N/A	0.88	12/8/2003 - 8/31/2004	N/A	4
Iodomethane (ug/L), 74-88-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Isopropylbenzene (ug/L), 98-82-8	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Isopropyltoluene[4-] (ug/L), 99-87-6	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Methyl-2-pentanone[4-] (ug/L), 108-10-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Methylene Chloride (ug/L), 75-09-2	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Naphthalene (ug/L), 91-20-3	0.26	12/8/2003 - 8/11/2004	N/A	0.07	12/8/2003 - 8/31/2004	N/A	3
Naphthalene (ug/L), 91-20-3	0.26	8/18/2004	N/A	0.07	12/8/2003 - 8/31/2004	N/A	4
Naphthalene (ug/L), 91-20-3	0.26	8/18/2004	N/A	0.07	12/8/2003 - 8/31/2004	N/A	3
Naphthalene (ug/L), 91-20-3	0.26	12/8/2003 - 8/11/2004	N/A	0.07	12/8/2003 - 8/31/2004	N/A	4
Propylbenzene[1-] (ug/L), 103-65-1	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Styrene (ug/L), 100-42-5	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Tetrachloroethane[1,1,1,2-] (ug/L), 630-20-6	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Tetrachloroethane[1,1,2,2-] (ug/L), 79-34-5	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Tetrachloroethene (ug/L), 127-18-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Toluene (ug/L), 108-88-3	1.2	8/31/2004	N/A	0.3	12/8/2003 - 8/31/2004	N/A	4
Trichloroethane[1,1,1-] (ug/L), 71-55-6	4.5	12/8/2003	N/A	1.13	12/8/2003 - 8/31/2004	N/A	4
Trichloroethane[1,1,2-] (ug/L), 79-00-5	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Trichloroethene (ug/L), 79-01-6	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Trichlorofluoromethane (ug/L), 75-69-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Trichloropropane[1,2,3-] (ug/L), 96-18-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Trichlorotrifluoroethane (ug/L), 26523-64-8	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Trimethylbenzene[1,2,4-] (ug/L), 95-63-6	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Trimethylbenzene[1,3,5-] (ug/L), 108-67-8	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Vinyl Chloride (ug/L), 75-01-4	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Xylene (Total) (ug/L), 1330-20-7	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Xylene[1,2-] (ug/L), 95-47-6	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4
Xylene[1,3-]+Xylene[1,4-] (ug/L), (CAS not available)	0	12/8/2003 - 8/31/2004	N/A	0	12/8/2003 - 8/31/2004	N/A	4

Gage Station E250

Dioxins and Furans							
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-] (ug/L), 35822-46-9	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-] (ug/L), 67562-39-4	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-] (ug/L), 55673-89-7	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-] (ug/L), 39227-28-6	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-] (ug/L), 57653-85-7	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-] (ug/L), 19408-74-3	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Hexachlorodibenzofuran[1,2,3,4,7,8-] (ug/L), 70648-26-9	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Hexachlorodibenzofuran[1,2,3,6,7,8-] (ug/L), 57117-44-9	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Hexachlorodibenzofuran[1,2,3,7,8,9-] (ug/L), 72918-21-9	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Hexachlorodibenzofuran[2,3,4,6,7,8-] (ug/L), 60851-34-5	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-] (ug/L), 3268-87-9	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-] (ug/L), 39001-02-0	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Pentachlorodibenzodioxin[1,2,3,7,8-] (ug/L), 40321-76-4	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Pentachlorodibenzofuran[1,2,3,7,8-] (ug/L), 57117-41-6	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Pentachlorodibenzofuran[2,3,4,7,8-] (ug/L), 57117-31-4	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Tetrachlorodibenzodioxin[2,3,7,8-] (ug/L), 1746-01-6	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Tetrachlorodibenzofuran[2,3,7,8-] (ug/L), 51207-31-9	0	4/8/2004	N/A	0	4/8/2004	N/A	1
General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.245	4/8/2004	N/A	0.21	6/22/2002 - 4/8/2004	N/A	2
Chemical Oxygen Demand (mg/L), (CAS not available)	129	6/22/2002	N/A	97.7	6/22/2002 - 4/8/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Cyanide (Total) (mg/L), 57-12-5	0.00428	4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Magnesium (mg/L), 7439-95-4	11.1	6/22/2002	N/A	8.15	6/22/2002 - 4/8/2004	N/A	3
Total Suspended Solids (mg/L), (CAS not available)	7420	6/22/2002	N/A	2994.83	6/22/2002 - 4/8/2004	N/A	4
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0.048	6/22/2002	N/A	0.02	6/22/2002 - 4/8/2004	N/A	2
Dinitrotoluene[2,4-] (ug/L), 121-14-2	1.4	6/22/2002	N/A	0.7	6/22/2002 - 4/8/2004	N/A	2
Dinitrotoluene[2,4-] (ug/L), 121-14-2	1.4	6/22/2002	N/A	0.7	6/22/2002 - 4/8/2004	N/A	2
Dinitrotoluene[2,4-] (ug/L), 121-14-2	1.4	6/22/2002	N/A	0.7	6/22/2002 - 4/8/2004	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	1.4	6/22/2002	N/A	0.7	6/22/2002 - 4/8/2004	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	2.1	6/22/2002	N/A	1.05	6/22/2002 - 4/8/2004	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	2.1	6/22/2002	N/A	1.05	6/22/2002 - 4/8/2004	N/A	2
Dinitrotoluene[2,6-] (ug/L), 606-20-2	2.1	6/22/2002	N/A	1.05	6/22/2002 - 4/8/2004	N/A	2
Dinitrotoluene[2,6-] (ug/L), 606-20-2	2.1	6/22/2002	N/A	1.05	6/22/2002 - 4/8/2004	N/A	1
HMX (ug/L), 2691-41-0	0.29	6/22/2002	N/A	0.15	6/22/2002 - 4/8/2004	N/A	2
Nitrobenzene (ug/L), 98-95-3	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Nitrobenzene (ug/L), 98-95-3	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	1
Nitrotoluene[2-] (ug/L), 88-72-2	0.82	6/22/2002	N/A	0.41	6/22/2002 - 4/8/2004	N/A	2
Nitrotoluene[3-] (ug/L), 99-08-1	0.28	6/22/2002	N/A	0.14	6/22/2002 - 4/8/2004	N/A	2
Nitrotoluene[4-] (ug/L), 99-99-0	0.27	6/22/2002	N/A	0.14	6/22/2002 - 4/8/2004	N/A	2
RDX (ug/L), 121-82-4	0	4/8/2004	N/A	0	4/8/2004	N/A	1
Tetryl (ug/L), 479-45-8	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Metal							
Aluminum (ug/L), 7429-90-5	8130	4/8/2004	N/A	8130	4/8/2004	N/A	1
Antimony (ug/L), 7440-36-0	0.1	4/8/2004	N/A	0.1	4/8/2004	N/A	1
Arsenic (ug/L), 7440-38-2	13.7	6/22/2002	N/A	5.59	6/22/2002 - 4/8/2004	N/A	3
Barium (ug/L), 7440-39-3	126	4/8/2004	N/A	126	4/8/2004	N/A	1
Boron (ug/L), 7440-42-8	36.4	4/8/2004	N/A	36.4	4/8/2004	N/A	1
Cadmium (ug/L), 7440-43-9	3.85	6/22/2002	N/A	1.38	6/22/2002 - 4/8/2004	N/A	3
Chromium (ug/L), 7440-47-3	2.25	4/8/2004	N/A	2.25	4/8/2004	N/A	1
Cobalt (ug/L), 7440-48-4	1.79	4/8/2004	N/A	1.79	4/8/2004	N/A	1
Copper (ug/L), 7440-50-8	7.93	4/8/2004	N/A	7.93	4/8/2004	N/A	1
Iron (ug/L), 7439-89-6	43700	6/22/2002	N/A	16760	6/22/2002 - 4/8/2004	N/A	3
Lead (ug/L), 7439-92-1	66.6	6/22/2002	N/A	25.46	6/22/2002 - 4/8/2004	N/A	3
Manganese (ug/L), 7439-96-5	139	4/8/2004	N/A	139	4/8/2004	N/A	1
Mercury (ug/L), 7439-97-6	0.0236	6/22/2002	N/A	0.02	6/22/2002 - 4/8/2004	N/A	2
Molybdenum (ug/L), 7439-98-7	0.474	4/8/2004	N/A	0.474	4/8/2004	N/A	1
Nickel (ug/L), 7440-02-0	5.08	4/8/2004	N/A	5.08	4/8/2004	N/A	1
Selenium (ug/L), 7782-49-2	1.145	4/8/2004	N/A	0.72	6/22/2002 - 4/8/2004	N/A	3
Silver (ug/L), 7440-22-4	2.71	6/22/2002	N/A	1.08	6/22/2002 - 4/8/2004	N/A	3
Thallium (ug/L), 7440-28-0	0.01	4/8/2004	N/A	0.01	4/8/2004	N/A	1
Tin (ug/L), 7440-31-5	0.775	4/8/2004	N/A	0.775	4/8/2004	N/A	1
Vanadium (ug/L), 7440-62-2	7.87	4/8/2004	N/A	7.87	4/8/2004	N/A	1
Zinc (ug/L), 7440-66-6	33.1	4/8/2004	N/A	33.1	4/8/2004	N/A	1
Pesticides and PCBs							
Aroclor-1016 (ug/L), 12674-11-2	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Aroclor-1221 (ug/L), 11104-28-2	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Aroclor-1232 (ug/L), 11141-16-5	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Aroclor-1242 (ug/L), 53469-21-9	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Aroclor-1248 (ug/L), 12672-29-6	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Aroclor-1254 (ug/L), 11097-69-1	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Aroclor-1260 (ug/L), 11096-82-5	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Aroclor-1262 (ug/L), 37324-23-5	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002 - 4/8/2004	N/A	2
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	1.5	4/8/2004	N/A	1.5	4/8/2004	N/A	1
Tritium (pCi/L), 10028-17-8	209	4/8/2004	N/A	209	4/8/2004	N/A	1
Semivolatile Organics							
Acenaphthene (ug/L), 83-32-9	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Acenaphthylene (ug/L), 208-96-8	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Aniline (ug/L), 62-53-3	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Anthracene (ug/L), 120-12-7	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Benzidine (ug/L), 92-87-5	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Benzo(a)anthracene (ug/L), 56-55-3	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Benzo(a)pyrene (ug/L), 50-32-8	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Benzo(b)fluoranthene (ug/L), 205-99-2	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Benzo(g,h,i)perylene (ug/L), 191-24-2	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Benzo(k)fluoranthene (ug/L), 207-08-9	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Benzoic Acid (ug/L), 65-85-0	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Benzyl Alcohol (ug/L), 100-51-6	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Bis(2-chloroethoxy)methane (ug/L), 111-91-1	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Bis(2-chloroethyl)ether (ug/L), 111-44-4	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Bis(2-ethylhexyl)phthalate (ug/L), 117-81-7	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Bromophenyl-phenylether[4-] (ug/L), 101-55-3	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Butylbenzylphthalate (ug/L), 85-68-7	0	6/22/2002	N/A	0	6/22/2002	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Chloro-3-methylphenol[4-] (ug/L), 59-50-7	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Chloroaniline[4-] (ug/L), 106-47-8	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Chloronaphthalene[2-] (ug/L), 91-58-7	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Chlorophenyl-phenyl[4-] Ether (ug/L), 7005-72-3	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Chrysene (ug/L), 218-01-9	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dibenz(a,h)anthracene (ug/L), 53-70-3	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dibenzofuran (ug/L), 132-64-9	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dichlorobenzene[1,2-] (ug/L), 95-50-1	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dichlorobenzene[1,3-] (ug/L), 541-73-1	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dichlorobenzene[1,4-] (ug/L), 106-46-7	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Diethylphthalate (ug/L), 84-66-2	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dimethyl Phthalate (ug/L), 131-11-3	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dimethylphenol[2,4-] (ug/L), 105-67-9	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Di-n-butylphthalate (ug/L), 84-74-2	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	6/22/2002	N/A	0	6/22/2002	N/A	2
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	6/22/2002	N/A	0	6/22/2002	N/A	2
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	6/22/2002	N/A	0	6/22/2002	N/A	2
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	6/22/2002	N/A	0	6/22/2002	N/A	2
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Di-n-octylphthalate (ug/L), 117-84-0	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Diphenylamine (ug/L), 122-39-4	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Diphenylhydrazine[1,2-] (ug/L), 122-66-7	0	6/22/2002	N/A	0	6/22/2002	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Fluoranthene (ug/L), 206-44-0	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Fluorene (ug/L), 86-73-7	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Hexachlorobenzene (ug/L), 118-74-1	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Hexachlorobutadiene (ug/L), 87-68-3	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Hexachlorocyclopentadiene (ug/L), 77-47-4	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Hexachloroethane (ug/L), 67-72-1	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Indeno(1,2,3-cd)pyrene (ug/L), 193-39-5	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Isophorone (ug/L), 78-59-1	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Methylnaphthalene[2-] (ug/L), 91-57-6	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Methylphenol[2-] (ug/L), 95-48-7	13.4	6/22/2002	N/A	13.4	6/22/2002	N/A	1
Methylphenol[4-] (ug/L), 106-44-5	2.4	6/22/2002	N/A	2.4	6/22/2002	N/A	1
Methylpyridine[2-] (ug/L), 109-06-8	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Naphthalene (ug/L), 91-20-3	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Nitroaniline[2-] (ug/L), 88-74-4	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Nitroaniline[3-] (ug/L), 99-09-2	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Nitroaniline[4-] (ug/L), 100-01-6	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Nitrobenzene (ug/L), 98-95-3	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002	N/A	2
Nitrobenzene (ug/L), 98-95-3	0	6/22/2002 - 4/8/2004	N/A	0	6/22/2002	N/A	1
Nitrosodimethylamine[N-] (ug/L), 62-75-9	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Nitroso-di-n-propylamine[N-] (ug/L), 621-64-7	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Oxybis(1-chloropropane)[2,2'-] (ug/L), 108-60-1	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Phenanthrene (ug/L), 85-01-8	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Phenol (ug/L), 108-95-2	0.64	6/22/2002	N/A	0.64	6/22/2002	N/A	1
Pyrene (ug/L), 129-00-0	0	6/22/2002	N/A	0	6/22/2002	N/A	1
Trichlorobenzene[1,2,4-] (ug/L), 120-82-1	0	6/22/2002	N/A	0	6/22/2002	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Trichlorophenol[2,4,5-] (ug/L), 95-95-4	0	6/22/2002	N/A	0	6/22/2002	N/A	1

Subwatershed: Threemile

Gage Station E246

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	1.48	8/23/2003	N/A	0.95	8/23/2003 - 8/20/2004	N/A	8
Chemical Oxygen Demand (mg/L), (CAS not available)	694	7/24/2004	N/A	378.58	8/23/2003 - 8/20/2004	N/A	8
Cyanide (Total) (mg/L), 57-12-5	0.00987	8/23/2003	N/A	0.01	8/23/2003 - 8/20/2004	N/A	4
Cyanide, Amenable (mg/L), 57-12-5	0.00086	8/20/2004	N/A	0	8/20/2004	N/A	2
Magnesium (mg/L), 7439-95-4	23.2	7/24/2004	N/A	16.5	8/23/2003 - 8/20/2004	N/A	8
Suspended Sediment Concentration (mg/L), (CAS not available)	9530	7/24/2004	N/A	9530	7/24/2004	N/A	2
Total Suspended Solids (mg/L), (CAS not available)	9530	7/24/2004	N/A	6160	7/24/2004 - 8/20/2004	N/A	4
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2
HMX (ug/L), 2691-41-0	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Nitrobenzene (ug/L), 98-95-3	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Nitrotoluene[2-] (ug/L), 88-72-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Nitrotoluene[3-] (ug/L), 99-08-1	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Nitrotoluene[4-] (ug/L), 99-99-0	0	8/20/2004	N/A	0	8/20/2004	N/A	2
RDX (ug/L), 121-82-4	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Tetryl (ug/L), 479-45-8	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	8/20/2004	N/A	0	8/20/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Metal							
Aluminum (ug/L), 7429-90-5	126000	7/24/2004	N/A	86766.67	7/24/2004 - 8/20/2004	N/A	6
Antimony (ug/L), 7440-36-0	0.1	7/24/2004 - 8/20/2004	N/A	0.1	7/24/2004 - 8/20/2004	N/A	6
Arsenic (ug/L), 7440-38-2	30.5	7/24/2004	N/A	20.58	8/23/2003 - 8/20/2004	N/A	8
Barium (ug/L), 7440-39-3	2090	7/24/2004	N/A	1585.33	7/24/2004 - 8/20/2004	N/A	6
Beryllium (ug/L), 7440-41-7	19	7/24/2004	N/A	12.7	7/24/2004 - 8/20/2004	N/A	6
Boron (ug/L), 7440-42-8	65.2	7/24/2004	N/A	43.7	7/24/2004 - 8/20/2004	N/A	6
Cadmium (ug/L), 7440-43-9	6.4	7/24/2004	N/A	5.08	8/23/2003 - 8/20/2004	N/A	8
Chromium (ug/L), 7440-47-3	62.6	7/24/2004	N/A	41.97	7/24/2004 - 8/20/2004	N/A	6
Cobalt (ug/L), 7440-48-4	51.9	7/24/2004	N/A	39.73	7/24/2004 - 8/20/2004	N/A	6
Copper (ug/L), 7440-50-8	170	7/24/2004	N/A	134.67	7/24/2004 - 8/20/2004	N/A	6
Iron (ug/L), 7439-89-6	99200	7/24/2004	N/A	67630	7/24/2004 - 8/20/2004	N/A	6
Lead (ug/L), 7439-92-1	240	7/24/2004	N/A	173.15	8/23/2003 - 8/20/2004	N/A	8
Manganese (ug/L), 7439-96-5	8000	7/24/2004	N/A	6020	7/24/2004 - 8/20/2004	N/A	6
Mercury (ug/L), 7439-97-6	0.236	8/23/2003	N/A	0.13	8/23/2003 - 8/20/2004	N/A	4
Molybdenum (ug/L), 7439-98-7	0.474	7/24/2004 - 8/20/2004	N/A	0.47	7/24/2004 - 8/20/2004	N/A	6
Nickel (ug/L), 7440-02-0	74.5	7/24/2004	N/A	53.7	7/24/2004 - 8/20/2004	N/A	6
Selenium (ug/L), 7782-49-2	6.4	7/24/2004	N/A	2.3	8/23/2003 - 8/20/2004	N/A	8
Silver (ug/L), 7440-22-4	0.4095	7/24/2004 - 8/20/2004	N/A	0.34	8/23/2003 - 8/20/2004	N/A	8
Thallium (ug/L), 7440-28-0	1.1	7/24/2004	N/A	0.74	7/24/2004 - 8/20/2004	N/A	6
Tin (ug/L), 7440-31-5	10.4	7/24/2004	N/A	7.19	7/24/2004 - 8/20/2004	N/A	6
Vanadium (ug/L), 7440-62-2	177	7/24/2004	N/A	125.97	7/24/2004 - 8/20/2004	N/A	6
Zinc (ug/L), 7440-66-6	534	7/24/2004	N/A	382.63	7/24/2004 - 8/20/2004	N/A	6
Pesticides and PCBs							
Aroclor-1016 (ug/L), 12674-11-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Aroclor-1221 (ug/L), 11104-28-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Aroclor-1232 (ug/L), 11141-16-5	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Aroclor-1242 (ug/L), 53469-21-9	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Aroclor-1248 (ug/L), 12672-29-6	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Aroclor-1254 (ug/L), 11097-69-1	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Aroclor-1260 (ug/L), 11096-82-5	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	264	8/20/2004	N/A	186.67	7/24/2004 - 8/20/2004	N/A	6
Tritium (pCi/L), 10028-17-8	160	8/20/2004	N/A	160	8/20/2004	N/A	2

Subwatershed: Twomile

Gage Station E244

Dioxins and Furans							
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-] (ug/L), 35822-46-9	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-] (ug/L), 67562-39-4	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-] (ug/L), 55673-89-7	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-] (ug/L), 39227-28-6	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-] (ug/L), 57653-85-7	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-] (ug/L), 19408-74-3	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Hexachlorodibenzofuran[1,2,3,4,7,8-] (ug/L), 70648-26-9	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Hexachlorodibenzofuran[1,2,3,6,7,8-] (ug/L), 57117-44-9	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Hexachlorodibenzofuran[1,2,3,7,8,9-] (ug/L), 72918-21-9	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Hexachlorodibenzofuran[2,3,4,6,7,8-] (ug/L), 60851-34-5	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-] (ug/L), 3268-87-9	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-] (ug/L), 39001-02-0	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Pentachlorodibenzodioxin[1,2,3,7,8-] (ug/L), 40321-76-4	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Pentachlorodibenzofuran[1,2,3,7,8-] (ug/L), 57117-41-6	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Pentachlorodibenzofuran[2,3,4,7,8-] (ug/L), 57117-31-4	0	4/27/2004	N/A	0	4/27/2004	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Tetrachlorodibenzodioxin[2,3,7,8-] (ug/L), 1746-01-6	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Tetrachlorodibenzofuran[2,3,7,8-] (ug/L), 51207-31-9	0	4/27/2004	N/A	0	4/27/2004	N/A	1
General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.943	7/23/2004	N/A	0.83	7/23/2004 - 8/18/2004	N/A	2
Chemical Oxygen Demand (mg/L), (CAS not available)	1570	8/18/2004	N/A	1370	7/23/2004 - 8/18/2004	N/A	2
Cyanide (Total) (mg/L), 57-12-5	0.00412	7/23/2004	N/A	0.00412	7/23/2004	N/A	1
Cyanide, Amenable (mg/L), 57-12-5	0.00086	7/23/2004	N/A	0.00086	7/23/2004	N/A	1
Magnesium (mg/L), 7439-95-4	31	7/23/2004	N/A	17.01	4/27/2004 - 8/18/2004	N/A	3
Total Suspended Solids (mg/L), (CAS not available)	12900	8/18/2004	N/A	8467.83	4/27/2004 - 8/18/2004	N/A	3
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1
HMX (ug/L), 2691-41-0	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Nitrobenzene (ug/L), 98-95-3	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Nitrotoluene[2-] (ug/L), 88-72-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Nitrotoluene[3-] (ug/L), 99-08-1	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Nitrotoluene[4-] (ug/L), 99-99-0	0	4/27/2004	N/A	0	4/27/2004	N/A	1
RDX (ug/L), 121-82-4	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Tetryl (ug/L), 479-45-8	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Metal							
Aluminum (ug/L), 7429-90-5	161000	7/23/2004	N/A	79191.67	4/27/2004 - 8/18/2004	N/A	3

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Antimony (ug/L), 7440-36-0	0.1	4/27/2004 - 8/18/2004	N/A	0.1	4/27/2004 - 8/18/2004	N/A	3
Arsenic (ug/L), 7440-38-2	45.9	7/23/2004	N/A	24.28	4/27/2004 - 8/18/2004	N/A	3
Barium (ug/L), 7440-39-3	2170	7/23/2004	N/A	1318.43	4/27/2004 - 8/18/2004	N/A	3
Beryllium (ug/L), 7440-41-7	17	7/23/2004	N/A	9.76	4/27/2004 - 8/18/2004	N/A	3
Boron (ug/L), 7440-42-8	68.1	7/23/2004	N/A	23.16	4/27/2004 - 8/18/2004	N/A	3
Cadmium (ug/L), 7440-43-9	7.29	7/23/2004	N/A	3.88	4/27/2004 - 8/18/2004	N/A	3
Chromium (ug/L), 7440-47-3	96.2	7/23/2004	N/A	44.87	4/27/2004 - 8/18/2004	N/A	3
Cobalt (ug/L), 7440-48-4	53.6	7/23/2004	N/A	31.69	4/27/2004 - 8/18/2004	N/A	3
Copper (ug/L), 7440-50-8	127	7/23/2004	N/A	68.8	4/27/2004 - 8/18/2004	N/A	3
Iron (ug/L), 7439-89-6	151000	7/23/2004	N/A	69967	4/27/2004 - 8/18/2004	N/A	3
Lead (ug/L), 7439-92-1	259	7/23/2004	N/A	137.68	4/27/2004 - 8/18/2004	N/A	3
Manganese (ug/L), 7439-96-5	9310	7/23/2004	N/A	5273.38	4/27/2004 - 8/18/2004	N/A	3
Mercury (ug/L), 7439-97-6	0.38	8/18/2004	N/A	0.2	4/27/2004 - 8/18/2004	N/A	2
Molybdenum (ug/L), 7439-98-7	10.1	7/23/2004	N/A	3.68	4/27/2004 - 8/18/2004	N/A	3
Nickel (ug/L), 7440-02-0	89.7	7/23/2004	N/A	47.57	4/27/2004 - 8/18/2004	N/A	3
Selenium (ug/L), 7782-49-2	6.23	7/23/2004	N/A	2.84	4/27/2004 - 8/18/2004	N/A	3
Silver (ug/L), 7440-22-4	0.41	7/23/2004	N/A	0.41	4/27/2004 - 8/18/2004	N/A	3
Thallium (ug/L), 7440-28-0	1.97	7/23/2004	N/A	0.92	4/27/2004 - 8/18/2004	N/A	3
Tin (ug/L), 7440-31-5	14.1	7/23/2004	N/A	5.22	4/27/2004 - 8/18/2004	N/A	3
Vanadium (ug/L), 7440-62-2	204	7/23/2004	N/A	101.79	4/27/2004 - 8/18/2004	N/A	3
Zinc (ug/L), 7440-66-6	986	7/23/2004	N/A	527.07	4/27/2004 - 8/18/2004	N/A	3
Pesticides and PCBs							
Aroclor-1016 (ug/L), 12674-11-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Aroclor-1221 (ug/L), 11104-28-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Aroclor-1232 (ug/L), 11141-16-5	0	4/27/2004	N/A	0	4/27/2004	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Aroclor-1242 (ug/L), 53469-21-9	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Aroclor-1248 (ug/L), 12672-29-6	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Aroclor-1254 (ug/L), 11097-69-1	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Aroclor-1260 (ug/L), 11096-82-5	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Aroclor-1262 (ug/L), 37324-23-5	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	1080	7/23/2004	N/A	438.6	4/27/2004 - 8/18/2004	N/A	3
Radium-226 (pCi/L), 13982-63-3	0.284	4/27/2004	N/A	0.284	4/27/2004	N/A	1
Radium-228 (pCi/L), 34293-73-7	2.83	4/27/2004	N/A	2.83	4/27/2004	N/A	1
Tritium (pCi/L), 10028-17-8	257	4/27/2004	N/A	257	4/27/2004	N/A	1

Subwatershed: Upper Pajarito

Gage Station E242

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.301	10/5/2004	N/A	0.21	7/24/2004 - 10/5/2004	N/A	2
Chemical Oxygen Demand (mg/L), (CAS not available)	114	10/5/2004	N/A	100.45	7/24/2004 - 10/5/2004	N/A	2
Cyanide (Total) (mg/L), 57-12-5	0.0122	8/11/2003	N/A	0	6/21/2002 - 10/5/2004	N/A	5
Cyanide, Amenable (mg/L), 57-12-5	0.00086	8/11/2003 - 10/5/2004	N/A	0	8/11/2003 - 10/5/2004	N/A	3
Magnesium (mg/L), 7439-95-4	18.9	6/21/2002	N/A	14.5	6/21/2002 - 10/5/2004	N/A	3
Perchlorate (ug/L), 14797-73-0	2	8/11/2003 - 8/28/2003	N/A	2	8/11/2003 - 8/28/2003	N/A	2
Total Suspended Solids (mg/L), (CAS not available)	41900	8/11/2003	N/A	13172.5	8/11/2003 - 10/5/2004	N/A	4
Metal							
Aluminum (ug/L), 7429-90-5	83900	7/24/2004	N/A	77350	7/24/2004 - 10/5/2004	N/A	2
Antimony (ug/L), 7440-36-0	0.41	10/5/2004	N/A	0.26	7/24/2004 - 10/5/2004	N/A	2
Arsenic (ug/L), 7440-38-2	12.3	7/24/2004	N/A	11.57	6/21/2002 - 10/5/2004	N/A	3
Barium (ug/L), 7440-39-3	831	7/24/2004	N/A	768	7/24/2004 - 10/5/2004	N/A	2
Beryllium (ug/L), 7440-41-7	5.06	7/24/2004	N/A	4.93	7/24/2004 - 10/5/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Boron (ug/L), 7440-42-8	29.2	10/5/2004	N/A	14.95	7/24/2004 - 10/5/2004	N/A	2
Cadmium (ug/L), 7440-43-9	7.14	6/21/2002	N/A	3.47	6/21/2002 - 10/5/2004	N/A	3
Chromium (ug/L), 7440-47-3	43	7/24/2004	N/A	40.55	7/24/2004 - 10/5/2004	N/A	2
Cobalt (ug/L), 7440-48-4	21	7/24/2004	N/A	19.15	7/24/2004 - 10/5/2004	N/A	2
Copper (ug/L), 7440-50-8	44	7/24/2004	N/A	40.45	7/24/2004 - 10/5/2004	N/A	2
Iron (ug/L), 7439-89-6	52700	7/24/2004	N/A	49200	7/24/2004 - 10/5/2004	N/A	2
Lead (ug/L), 7439-92-1	85	6/21/2002	N/A	74.93	6/21/2002 - 10/5/2004	N/A	3
Manganese (ug/L), 7439-96-5	1840	7/24/2004	N/A	1590	7/24/2004 - 10/5/2004	N/A	2
Mercury (ug/L), 7439-97-6	0.2	10/5/2004	N/A	0.08	6/21/2002 - 10/5/2004	N/A	3
Molybdenum (ug/L), 7439-98-7	3.3	10/5/2004	N/A	1.89	7/24/2004 - 10/5/2004	N/A	2
Nickel (ug/L), 7440-02-0	34.5	7/24/2004	N/A	33.55	7/24/2004 - 10/5/2004	N/A	2
Selenium (ug/L), 7782-49-2	1.145	7/24/2004 - 10/5/2004	N/A	0.93	6/21/2002 - 10/5/2004	N/A	3
Silver (ug/L), 7440-22-4	12.7	7/24/2004	N/A	9.51	6/21/2002 - 10/5/2004	N/A	3
Thallium (ug/L), 7440-28-0	1.4	10/5/2004	N/A	1.18	7/24/2004 - 10/5/2004	N/A	2
Tin (ug/L), 7440-31-5	0.775	7/24/2004 - 10/5/2004	N/A	0.78	7/24/2004 - 10/5/2004	N/A	2
Vanadium (ug/L), 7440-62-2	93.1	7/24/2004	N/A	86.9	7/24/2004 - 10/5/2004	N/A	2
Zinc (ug/L), 7440-66-6	284	7/24/2004	N/A	250.5	7/24/2004 - 10/5/2004	N/A	2

Gage Station **E242.5**

General Inorganics

Ammonia as Nitrogen (mg/L), (CAS not available)	0.284	7/24/2004	N/A	0.11	6/21/2002 - 7/24/2004	N/A	3
Chemical Oxygen Demand (mg/L), (CAS not available)	376	7/14/2002	N/A	296.33	6/21/2002 - 7/24/2004	N/A	3
Cyanide (Total) (mg/L), 57-12-5	0.0229	6/21/2002	N/A	0.01	6/21/2002 - 7/24/2004	N/A	3
Cyanide, Amenable (mg/L), 57-12-5	0.00086	7/24/2004	N/A	0.00086	7/24/2004	N/A	1
Magnesium (mg/L), 7439-95-4	7.1	6/21/2002	N/A	5.65	6/21/2002 - 7/24/2004	N/A	3
Total Suspended Solids (mg/L), (CAS not available)	1690	7/24/2004	N/A	1321.5	7/14/2002 - 7/24/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	7/14/2002 - 7/24/2004	N/A	0	7/14/2002 - 7/24/2004	N/A	2
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	7/14/2002 - 7/24/2004	N/A	0	7/14/2002 - 7/24/2004	N/A	2
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	7/24/2004	N/A	0	7/24/2004	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	7/24/2004	N/A	0	7/24/2004	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	7/14/2002 - 7/24/2004	N/A	0	7/14/2002 - 7/24/2004	N/A	2
HMX (ug/L), 2691-41-0	0	7/24/2004	N/A	0	7/24/2004	N/A	1
Nitrobenzene (ug/L), 98-95-3	0	7/14/2002 - 7/24/2004	N/A	0	7/14/2002 - 7/24/2004	N/A	2
Nitrotoluene[2-] (ug/L), 88-72-2	0	7/14/2002 - 7/24/2004	N/A	0	7/14/2002 - 7/24/2004	N/A	2
Nitrotoluene[3-] (ug/L), 99-08-1	0	7/14/2002 - 7/24/2004	N/A	0	7/14/2002 - 7/24/2004	N/A	2
Nitrotoluene[4-] (ug/L), 99-99-0	0	7/14/2002 - 7/24/2004	N/A	0	7/14/2002 - 7/24/2004	N/A	2
RDX (ug/L), 121-82-4	1.1	7/14/2002	N/A	0.55	7/14/2002 - 7/24/2004	N/A	2
Tetryl (ug/L), 479-45-8	0	7/14/2002 - 7/24/2004	N/A	0	7/14/2002 - 7/24/2004	N/A	2
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	7/24/2004	N/A	0	7/24/2004	N/A	1
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	7/14/2002 - 7/24/2004	N/A	0	7/14/2002 - 7/24/2004	N/A	2
Metal							
Aluminum (ug/L), 7429-90-5	18300	7/24/2004	N/A	18300	7/24/2004	N/A	1
Antimony (ug/L), 7440-36-0	0.1	7/24/2004	N/A	0.1	7/24/2004	N/A	1
Arsenic (ug/L), 7440-38-2	6.48	7/24/2004	N/A	4.2	6/21/2002 - 7/24/2004	N/A	3
Barium (ug/L), 7440-39-3	767	7/24/2004	N/A	767	7/24/2004	N/A	1
Beryllium (ug/L), 7440-41-7	0.085	7/24/2004	N/A	0.085	7/24/2004	N/A	1
Boron (ug/L), 7440-42-8	0.695	7/24/2004	N/A	0.695	7/24/2004	N/A	1
Cadmium (ug/L), 7440-43-9	5.74	6/21/2002	N/A	4.63	6/21/2002 - 7/24/2004	N/A	3
Chromium (ug/L), 7440-47-3	6.67	7/24/2004	N/A	6.67	7/24/2004	N/A	1
Cobalt (ug/L), 7440-48-4	13.5	7/24/2004	N/A	13.5	7/24/2004	N/A	1
Copper (ug/L), 7440-50-8	26.9	7/24/2004	N/A	26.9	7/24/2004	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Iron (ug/L), 7439-89-6	11100	7/24/2004	N/A	11100	7/24/2004	N/A	1
Lead (ug/L), 7439-92-1	64.7	7/24/2004	N/A	46.4	6/21/2002 - 7/24/2004	N/A	3
Manganese (ug/L), 7439-96-5	3150	7/24/2004	N/A	3150	7/24/2004	N/A	1
Mercury (ug/L), 7439-97-6	0.0236	6/21/2002 - 7/24/2004	N/A	0.02	6/21/2002 - 7/24/2004	N/A	3
Molybdenum (ug/L), 7439-98-7	0.474	7/24/2004	N/A	0.474	7/24/2004	N/A	1
Nickel (ug/L), 7440-02-0	13.2	7/24/2004	N/A	13.2	7/24/2004	N/A	1
Selenium (ug/L), 7782-49-2	1.145	7/24/2004	N/A	0.72	6/21/2002 - 7/24/2004	N/A	3
Silver (ug/L), 7440-22-4	0.4095	7/24/2004	N/A	0.21	6/21/2002 - 7/24/2004	N/A	3
Thallium (ug/L), 7440-28-0	0.596	7/24/2004	N/A	0.596	7/24/2004	N/A	1
Tin (ug/L), 7440-31-5	0.775	7/24/2004	N/A	0.775	7/24/2004	N/A	1
Vanadium (ug/L), 7440-62-2	38	7/24/2004	N/A	38	7/24/2004	N/A	1
Zinc (ug/L), 7440-66-6	128	7/24/2004	N/A	128	7/24/2004	N/A	1
Radionuclides							
Tritium (pCi/L), 10028-17-8	83.5	7/14/2002	N/A	83.5	7/14/2002	N/A	1

Gage Station **E243**

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.55	6/21/2002	N/A	0.55	6/21/2002	N/A	1
Chemical Oxygen Demand (mg/L), (CAS not available)	438	6/21/2002	N/A	438	6/21/2002	N/A	1
Cyanide (Total) (mg/L), 57-12-5	0.00976	6/21/2002	N/A	0.00976	6/21/2002	N/A	1
Magnesium (mg/L), 7439-95-4	16.1	6/21/2002	N/A	10.19	6/21/2002 - 4/27/2004	N/A	2
Total Suspended Solids (mg/L), (CAS not available)	22.7	4/27/2004	N/A	22.7	4/27/2004	N/A	1
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1
HMX (ug/L), 2691-41-0	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Nitrobenzene (ug/L), 98-95-3	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Nitrotoluene[2-] (ug/L), 88-72-2	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Nitrotoluene[3-] (ug/L), 99-08-1	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Nitrotoluene[4-] (ug/L), 99-99-0	0	4/27/2004	N/A	0	4/27/2004	N/A	1
RDX (ug/L), 121-82-4	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Tetryl (ug/L), 479-45-8	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	4/27/2004	N/A	0	4/27/2004	N/A	1
Metal							
Aluminum (ug/L), 7429-90-5	1660	4/27/2004	N/A	1660	4/27/2004	N/A	1
Antimony (ug/L), 7440-36-0	0.1	4/27/2004	N/A	0.1	4/27/2004	N/A	1
Arsenic (ug/L), 7440-38-2	9.86	6/21/2002	N/A	5.35	6/21/2002 - 4/27/2004	N/A	2
Barium (ug/L), 7440-39-3	66.6	4/27/2004	N/A	66.6	4/27/2004	N/A	1
Beryllium (ug/L), 7440-41-7	0.086	4/27/2004	N/A	0.086	4/27/2004	N/A	1
Boron (ug/L), 7440-42-8	0.695	4/27/2004	N/A	0.695	4/27/2004	N/A	1
Cadmium (ug/L), 7440-43-9	23.9	6/21/2002	N/A	11.97	6/21/2002 - 4/27/2004	N/A	2
Chromium (ug/L), 7440-47-3	0.715	4/27/2004	N/A	0.715	4/27/2004	N/A	1
Cobalt (ug/L), 7440-48-4	0.381	4/27/2004	N/A	0.381	4/27/2004	N/A	1
Copper (ug/L), 7440-50-8	0.9	4/27/2004	N/A	0.9	4/27/2004	N/A	1
Iron (ug/L), 7439-89-6	896	4/27/2004	N/A	896	4/27/2004	N/A	1
Lead (ug/L), 7439-92-1	224	6/21/2002	N/A	112.01	6/21/2002 - 4/27/2004	N/A	2
Manganese (ug/L), 7439-96-5	15.1	4/27/2004	N/A	15.1	4/27/2004	N/A	1
Mercury (ug/L), 7439-97-6	0.0236	6/21/2002	N/A	0.02	6/21/2002 - 4/27/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Molybdenum (ug/L), 7439-98-7	0.474	4/27/2004	N/A	0.474	4/27/2004	N/A	1
Nickel (ug/L), 7440-02-0	1.8	4/27/2004	N/A	1.8	4/27/2004	N/A	1
Selenium (ug/L), 7782-49-2	5.72	6/21/2002	N/A	3.43	6/21/2002 - 4/27/2004	N/A	2
Silver (ug/L), 7440-22-4	0.4095	4/27/2004	N/A	0.26	6/21/2002 - 4/27/2004	N/A	2
Thallium (ug/L), 7440-28-0	0.01	4/27/2004	N/A	0.01	4/27/2004	N/A	1
Tin (ug/L), 7440-31-5	0.775	4/27/2004	N/A	0.775	4/27/2004	N/A	1
Vanadium (ug/L), 7440-62-2	0.366	4/27/2004	N/A	0.366	4/27/2004	N/A	1
Zinc (ug/L), 7440-66-6	0.203	4/27/2004	N/A	0.203	4/27/2004	N/A	1
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	0.735	4/27/2004	N/A	0.735	4/27/2004	N/A	1
Radium-226 (pCi/L), 13982-63-3	0.201	4/27/2004	N/A	0.201	4/27/2004	N/A	1
Radium-228 (pCi/L), 34293-73-7	2.38	4/27/2004	N/A	2.38	4/27/2004	N/A	1
Tritium (pCi/L), 10028-17-8	186	4/27/2004	N/A	186	4/27/2004	N/A	1

Water/Canon de Valle Watershed

Subwatershed: Canon de Valle

Gage Station E256

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.202	7/27/2004	N/A	0.18	7/27/2004 - 8/20/2004	N/A	8
Chemical Oxygen Demand (mg/L), (CAS not available)	606	8/11/2004	N/A	308	7/27/2004 - 8/20/2004	N/A	8
Cyanide (Total) (mg/L), 57-12-5	0.00086	7/27/2004 - 8/20/2004	N/A	0	7/27/2004 - 8/20/2004	N/A	8
Cyanide, Amenable (mg/L), 57-12-5	0.00086	7/27/2004 - 8/20/2004	N/A	0	7/27/2004 - 8/20/2004	N/A	8
Magnesium (mg/L), 7439-95-4	35.2	8/20/2004	N/A	20.9	7/27/2004 - 8/20/2004	N/A	8
Suspended Sediment Concentration (mg/L), (CAS not available)	4470	7/27/2004	N/A	4470	7/27/2004	N/A	2
Total Suspended Solids (mg/L), (CAS not available)	4470	7/27/2004	N/A	3536.67	7/27/2004 - 8/20/2004	N/A	6
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	8/20/2004	N/A	0	8/20/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2
HMX (ug/L), 2691-41-0	3.9	8/20/2004	N/A	3.9	8/20/2004	N/A	2
Nitrobenzene (ug/L), 98-95-3	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Nitrotoluene[2-] (ug/L), 88-72-2	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Nitrotoluene[3-] (ug/L), 99-08-1	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Nitrotoluene[4-] (ug/L), 99-99-0	0	8/20/2004	N/A	0	8/20/2004	N/A	2
RDX (ug/L), 121-82-4	5.6	8/20/2004	N/A	5.6	8/20/2004	N/A	2
Tetryl (ug/L), 479-45-8	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	8/20/2004	N/A	0	8/20/2004	N/A	2
Metal							
Aluminum (ug/L), 7429-90-5	232000	8/20/2004	N/A	130725	7/27/2004 - 8/20/2004	N/A	8
Antimony (ug/L), 7440-36-0	2.4	7/27/2004	N/A	0.68	7/27/2004 - 8/20/2004	N/A	8
Arsenic (ug/L), 7440-38-2	43.1	8/20/2004	N/A	22.2	7/27/2004 - 8/20/2004	N/A	8
Barium (ug/L), 7440-39-3	16400	8/20/2004	N/A	9840	7/27/2004 - 8/20/2004	N/A	8
Beryllium (ug/L), 7440-41-7	14	8/20/2004	N/A	7.42	7/27/2004 - 8/20/2004	N/A	8
Boron (ug/L), 7440-42-8	273	8/20/2004	N/A	240	7/27/2004 - 8/20/2004	N/A	8
Cadmium (ug/L), 7440-43-9	4.1	7/27/2004	N/A	3.08	7/27/2004 - 8/20/2004	N/A	8
Chromium (ug/L), 7440-47-3	132	8/20/2004	N/A	70.7	7/27/2004 - 8/20/2004	N/A	8
Cobalt (ug/L), 7440-48-4	44.5	8/20/2004	N/A	25.98	7/27/2004 - 8/20/2004	N/A	8
Copper (ug/L), 7440-50-8	241	8/20/2004	N/A	139.38	7/27/2004 - 8/20/2004	N/A	8
Iron (ug/L), 7439-89-6	173000	8/20/2004	N/A	90575	7/27/2004 - 8/20/2004	N/A	8

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Lead (ug/L), 7439-92-1	163	7/27/2004	N/A	132.65	7/27/2004 - 8/20/2004	N/A	8
Manganese (ug/L), 7439-96-5	3090	8/20/2004	N/A	1956.75	7/27/2004 - 8/20/2004	N/A	8
Mercury (ug/L), 7439-97-6	0.26	7/27/2004	N/A	0.14	7/27/2004 - 8/20/2004	N/A	8
Molybdenum (ug/L), 7439-98-7	0.474	7/27/2004 - 8/20/2004	N/A	0.47	7/27/2004 - 8/20/2004	N/A	8
Nickel (ug/L), 7440-02-0	105	8/20/2004	N/A	57.83	7/27/2004 - 8/20/2004	N/A	8
Selenium (ug/L), 7782-49-2	5.4	8/20/2004	N/A	2.21	7/27/2004 - 8/20/2004	N/A	8
Silver (ug/L), 7440-22-4	0.4095	7/27/2004 - 8/20/2004	N/A	0.41	7/27/2004 - 8/20/2004	N/A	8
Thallium (ug/L), 7440-28-0	2.2	7/27/2004	N/A	1.38	7/27/2004 - 8/20/2004	N/A	8
Tin (ug/L), 7440-31-5	14.6	8/20/2004	N/A	4.23	7/27/2004 - 8/20/2004	N/A	8
Vanadium (ug/L), 7440-62-2	229	8/20/2004	N/A	136.58	7/27/2004 - 8/20/2004	N/A	8
Zinc (ug/L), 7440-66-6	660	8/20/2004	N/A	372.25	7/27/2004 - 8/20/2004	N/A	8

Gage Station **E257**

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.36	9/4/2002	N/A	0.23	9/4/2002 - 8/11/2004	N/A	6
Chemical Oxygen Demand (mg/L), (CAS not available)	227	9/4/2002	N/A	132.83	9/4/2002 - 8/11/2004	N/A	6
Cyanide (Total) (mg/L), 57-12-5	0.00537	9/4/2002	N/A	0	9/4/2002 - 8/11/2004	N/A	6
Cyanide, Amenable (mg/L), 57-12-5	0.00086	7/23/2004 - 8/11/2004	N/A	0	7/23/2004 - 8/11/2004	N/A	4
Magnesium (mg/L), 7439-95-4	11.9	7/23/2004	N/A	6.03	9/4/2002 - 8/11/2004	N/A	6
Suspended Sediment Concentration (mg/L), (CAS not available)	6630	7/27/2004	N/A	6630	7/27/2004	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	6630	7/27/2004	N/A	2181	9/9/2002 - 8/18/2004	N/A	6
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	3.2	7/23/2004	N/A	0.8	7/23/2004 - 8/18/2004	N/A	4
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
HMX (ug/L), 2691-41-0	185	7/23/2004	N/A	80.2	7/23/2004 - 8/18/2004	N/A	4
Nitrobenzene (ug/L), 98-95-3	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
Nitrotoluene[2-] (ug/L), 88-72-2	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
Nitrotoluene[3-] (ug/L), 99-08-1	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
Nitrotoluene[4-] (ug/L), 99-99-0	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
RDX (ug/L), 121-82-4	9.9	7/23/2004	N/A	2.8	7/23/2004 - 8/18/2004	N/A	5
Tetryl (ug/L), 479-45-8	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	7/23/2004 - 8/18/2004	N/A	0	7/23/2004 - 8/18/2004	N/A	4
Metal							
Aluminum (ug/L), 7429-90-5	76000	7/23/2004	N/A	35968	4/8/2004 - 8/11/2004	N/A	5
Antimony (ug/L), 7440-36-0	0.1	4/8/2004 - 8/11/2004	N/A	0.1	4/8/2004 - 8/11/2004	N/A	5
Arsenic (ug/L), 7440-38-2	18.5	7/23/2004	N/A	5.51	9/4/2002 - 8/11/2004	N/A	6
Barium (ug/L), 7440-39-3	4650	7/23/2004.	N/A	2662	4/8/2004 - 8/11/2004	N/A	5
Beryllium (ug/L), 7440-41-7	5.69	7/23/2004	N/A	1.21	4/8/2004 - 8/11/2004	N/A	5
Boron (ug/L), 7440-42-8	235	8/11/2004	N/A	58.24	4/8/2004 - 8/11/2004	N/A	5
Cadmium (ug/L), 7440-43-9	2.64	7/23/2004	N/A	1.15	9/4/2002 - 8/11/2004	N/A	6
Chromium (ug/L), 7440-47-3	41.1	7/23/2004	N/A	18.11	4/8/2004 - 8/11/2004	N/A	5
Cobalt (ug/L), 7440-48-4	21.2	7/23/2004	N/A	10.54	4/8/2004 - 8/11/2004	N/A	5
Copper (ug/L), 7440-50-8	58	7/23/2004	N/A	28.62	4/8/2004 - 8/11/2004	N/A	5
Iron (ug/L), 7439-89-6	55700	7/23/2004	N/A	24012	4/8/2004 - 8/11/2004	N/A	5
Lead (ug/L), 7439-92-1	83.6	7/23/2004	N/A	43.07	9/4/2002 - 8/11/2004	N/A	6
Manganese (ug/L), 7439-96-5	1840	7/23/2004	N/A	997.5	4/8/2004 - 8/11/2004	N/A	5
Mercury (ug/L), 7439-97-6	0.0236	9/4/2002 - 8/18/2004	N/A	0.02	9/4/2002 - 8/18/2004	N/A	7
Molybdenum (ug/L), 7439-98-7	0.475	7/23/2004	N/A	0.47	4/8/2004 - 8/11/2004	N/A	5

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Nickel (ug/L), 7440-02-0	36.2	7/23/2004	N/A	17.66	4/8/2004 - 8/11/2004	N/A	5
Selenium (ug/L), 7782-49-2	4.37	4/8/2004	N/A	1.58	9/4/2002 - 8/11/2004	N/A	6
Silver (ug/L), 7440-22-4	0.41	7/23/2004	N/A	0.31	9/4/2002 - 8/11/2004	N/A	6
Thallium (ug/L), 7440-28-0	1.27	7/23/2004	N/A	0.61	4/8/2004 - 8/11/2004	N/A	5
Tin (ug/L), 7440-31-5	0.775	4/8/2004 - 8/11/2004	N/A	0.78	4/8/2004 - 8/11/2004	N/A	5
Vanadium (ug/L), 7440-62-2	87.4	7/23/2004	N/A	41.92	4/8/2004 - 8/11/2004	N/A	5
Zinc (ug/L), 7440-66-6	285	8/11/2004	N/A	190.08	4/8/2004 - 8/11/2004	N/A	5
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	206	9/9/2002	N/A	206	9/9/2002	N/A	1
Radium-226 (pCi/L), 13982-63-3	3.38	9/9/2002	N/A	3.38	9/9/2002	N/A	1
Radium-228 (pCi/L), 34293-73-7	2.26	9/9/2002	N/A	2.26	9/9/2002	N/A	1
Tritium (pCi/L), 10028-17-8	82.5	9/9/2002	N/A	82.5	9/9/2002	N/A	1

Gage Station **E262**

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.283	8/20/2004	N/A	0.283	8/20/2004	N/A	1
Chemical Oxygen Demand (mg/L), (CAS not available)	547	8/20/2004	N/A	547	8/20/2004	N/A	1
Cyanide (Total) (mg/L), 57-12-5	0.00529	8/20/2004	N/A	0.00529	8/20/2004	N/A	1
Cyanide, Amenable (mg/L), 57-12-5	0.00086	8/20/2004	N/A	0.00086	8/20/2004	N/A	1
Magnesium (mg/L), 7439-95-4	11.2	8/20/2004	N/A	11.2	8/20/2004	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	8110	8/20/2004	N/A	8110	8/20/2004	N/A	1
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	8/20/2004	N/A	0	8/20/2004	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
HMX (ug/L), 2691-41-0	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Nitrobenzene (ug/L), 98-95-3	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Nitrotoluene[2-] (ug/L), 88-72-2	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Nitrotoluene[3-] (ug/L), 99-08-1	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Nitrotoluene[4-] (ug/L), 99-99-0	0	8/20/2004	N/A	0	8/20/2004	N/A	1
RDX (ug/L), 121-82-4	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Tetryl (ug/L), 479-45-8	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Metal							
Aluminum (ug/L), 7429-90-5	30000	8/20/2004	N/A	30000	8/20/2004	N/A	1
Antimony (ug/L), 7440-36-0	0.1	8/20/2004	N/A	0.1	8/20/2004	N/A	1
Arsenic (ug/L), 7440-38-2	11.8	8/20/2004	N/A	11.8	8/20/2004	N/A	1
Barium (ug/L), 7440-39-3	2050	8/20/2004	N/A	2050	8/20/2004	N/A	1
Beryllium (ug/L), 7440-41-7	11.9	8/20/2004	N/A	11.9	8/20/2004	N/A	1
Boron (ug/L), 7440-42-8	0.695	8/20/2004	N/A	0.695	8/20/2004	N/A	1
Cadmium (ug/L), 7440-43-9	3	8/20/2004	N/A	3	8/20/2004	N/A	1
Chromium (ug/L), 7440-47-3	12.4	8/20/2004	N/A	12.4	8/20/2004	N/A	1
Cobalt (ug/L), 7440-48-4	33	8/20/2004	N/A	33	8/20/2004	N/A	1
Copper (ug/L), 7440-50-8	44.5	8/20/2004	N/A	44.5	8/20/2004	N/A	1
Iron (ug/L), 7439-89-6	13800	8/20/2004	N/A	13800	8/20/2004	N/A	1
Lead (ug/L), 7439-92-1	92	8/20/2004	N/A	92	8/20/2004	N/A	1
Manganese (ug/L), 7439-96-5	5110	8/20/2004	N/A	5110	8/20/2004	N/A	1
Mercury (ug/L), 7439-97-6	0.0236	8/20/2004	N/A	0.0236	8/20/2004	N/A	1
Molybdenum (ug/L), 7439-98-7	0.474	8/20/2004	N/A	0.474	8/20/2004	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Nickel (ug/L), 7440-02-0	31	8/20/2004	N/A	31	8/20/2004	N/A	1
Selenium (ug/L), 7782-49-2	6.9	8/20/2004	N/A	6.9	8/20/2004	N/A	1
Silver (ug/L), 7440-22-4	0.4095	8/20/2004	N/A	0.4095	8/20/2004	N/A	1
Thallium (ug/L), 7440-28-0	0.01	8/20/2004	N/A	0.01	8/20/2004	N/A	1
Tin (ug/L), 7440-31-5	0.775	8/20/2004	N/A	0.775	8/20/2004	N/A	1
Vanadium (ug/L), 7440-62-2	57.2	8/20/2004	N/A	57.2	8/20/2004	N/A	1
Zinc (ug/L), 7440-66-6	183	8/20/2004	N/A	183	8/20/2004	N/A	1

Subwatershed: Lower Water/Indio

Gage Station E262.5

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.53	7/14/2002	N/A	0.43	7/14/2002 - 10/5/2004	N/A	3
Chemical Oxygen Demand (mg/L), (CAS not available)	944	8/19/2004	N/A	513.67	7/14/2002 - 10/5/2004	N/A	3
Cyanide (Total) (mg/L), 57-12-5	0.0205	6/21/2002	N/A	0.01	6/21/2002 - 10/5/2004	N/A	3
Cyanide, Amenable (mg/L), 57-12-5	0.00227	10/5/2004	N/A	0.00227	10/5/2004	N/A	1
Magnesium (mg/L), 7439-95-4	34.4	7/14/2002	N/A	18.74	6/21/2002 - 10/5/2004	N/A	5
Suspended Sediment Concentration (mg/L), (CAS not available)	4360	10/5/2004	N/A	4360	10/5/2004	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	3510	8/19/2004	N/A	1757.25	4/27/2004 - 8/19/2004	N/A	2
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
HMX (ug/L), 2691-41-0	1.3	4/27/2004	N/A	0.43	4/27/2004 - 10/5/2004	N/A	3
Nitrobenzene (ug/L), 98-95-3	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Nitrotoluene[2-] (ug/L), 88-72-2	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Nitrotoluene[3-] (ug/L), 99-08-1	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Nitrotoluene[4-] (ug/L), 99-99-0	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
RDX (ug/L), 121-82-4	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Tetryl (ug/L), 479-45-8	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	4/27/2004 - 10/5/2004	N/A	0	4/27/2004 - 10/5/2004	N/A	3
Metal							
Aluminum (ug/L), 7429-90-5	114000	8/19/2004	N/A	40598.67	4/27/2004 - 10/5/2004	N/A	3
Antimony (ug/L), 7440-36-0	0.1	4/27/2004 - 10/5/2004	N/A	0.1	4/27/2004 - 10/5/2004	N/A	3
Arsenic (ug/L), 7440-38-2	23.9	8/19/2004	N/A	13.77	6/21/2002 - 10/5/2004	N/A	5
Barium (ug/L), 7440-39-3	1490	10/5/2004	N/A	1051.67	4/27/2004 - 10/5/2004	N/A	3
Beryllium (ug/L), 7440-41-7	7.9	8/19/2004	N/A	4.96	4/27/2004 - 10/5/2004	N/A	3
Boron (ug/L), 7440-42-8	54.3	8/19/2004	N/A	25.93	4/27/2004 - 10/5/2004	N/A	3
Cadmium (ug/L), 7440-43-9	6.24	7/14/2002	N/A	3.38	6/21/2002 - 10/5/2004	N/A	5
Chromium (ug/L), 7440-47-3	59.2	8/19/2004	N/A	20.21	4/27/2004 - 10/5/2004	N/A	3
Cobalt (ug/L), 7440-48-4	39.2	8/19/2004	N/A	23.46	4/27/2004 - 10/5/2004	N/A	3
Copper (ug/L), 7440-50-8	76.1	8/19/2004	N/A	33.1	4/27/2004 - 10/5/2004	N/A	3
Iron (ug/L), 7439-89-6	76300	8/19/2004	N/A	26037.33	4/27/2004 - 10/5/2004	N/A	3
Lead (ug/L), 7439-92-1	149	7/14/2002	N/A	83.17	6/21/2002 - 10/5/2004	N/A	5
Manganese (ug/L), 7439-96-5	3310	8/19/2004	N/A	2190.05	4/27/2004 - 10/5/2004	N/A	3
Mercury (ug/L), 7439-97-6	0.22	8/19/2004	N/A	0.09	6/21/2002 - 10/5/2004	N/A	5
Molybdenum (ug/L), 7439-98-7	0.474	4/27/2004 - 10/5/2004	N/A	0.47	4/27/2004 - 10/5/2004	N/A	3
Nickel (ug/L), 7440-02-0	56.8	8/19/2004	N/A	28.1	4/27/2004 - 10/5/2004	N/A	3
Selenium (ug/L), 7782-49-2	7	10/5/2004	N/A	3.13	6/21/2002 - 10/5/2004	N/A	5
Silver (ug/L), 7440-22-4	2.01	7/14/2002	N/A	0.96	6/21/2002 - 10/5/2004	N/A	5

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Thallium (ug/L), 7440-28-0	0.5	8/19/2004	N/A	0.21	4/27/2004 - 10/5/2004	N/A	3
Tin (ug/L), 7440-31-5	1.6	10/5/2004	N/A	1.05	4/27/2004 - 10/5/2004	N/A	3
Vanadium (ug/L), 7440-62-2	125	8/19/2004	N/A	53.72	4/27/2004 - 10/5/2004	N/A	3
Zinc (ug/L), 7440-66-6	253	8/19/2004	N/A	104.77	4/27/2004 - 10/5/2004	N/A	3
Radionuclides							
Gross alpha (pCi/L), (CAS not available)	188	10/5/2004	N/A	94.5	4/27/2004 - 10/5/2004	N/A	2
Radium-226 (pCi/L), 13982-63-3	0.129	4/27/2004	N/A	0.129	4/27/2004	N/A	1
Radium-228 (pCi/L), 34293-73-7	1.06	4/27/2004	N/A	1.06	4/27/2004	N/A	1
Tritium (pCi/L), 10028-17-8	189	4/27/2004	N/A	94.5	4/27/2004 - 10/5/2004	N/A	2

Subwatershed: Potrillo/Fence

Gage Station E267

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.67	8/19/2003	N/A	0.37	5/26/2003 - 8/19/2003	N/A	2
Chemical Oxygen Demand (mg/L), (CAS not available)	197	5/26/2003	N/A	133.5	5/26/2003 - 8/19/2003	N/A	2
Cyanide (Total) (mg/L), 57-12-5	0.00262	8/25/2003	N/A	0	5/26/2003 - 8/25/2003	N/A	3
Magnesium (mg/L), 7439-95-4	24.7	8/19/2003	N/A	15.36	5/26/2003 - 8/19/2003	N/A	2
Perchlorate (ug/L), 14797-73-0	2	8/25/2003	N/A	2	8/25/2003	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	22000	8/25/2003	N/A	22000	8/25/2003	N/A	1
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	8/25/2003	N/A	0	8/25/2003	N/A	1
HMX (ug/L), 2691-41-0	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Nitrobenzene (ug/L), 98-95-3	0	8/25/2003	N/A	0	8/25/2003	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Nitrotoluene[2-] (ug/L), 88-72-2	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Nitrotoluene[3-] (ug/L), 99-08-1	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Nitrotoluene[4-] (ug/L), 99-99-0	0	8/25/2003	N/A	0	8/25/2003	N/A	1
RDX (ug/L), 121-82-4	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Tetryl (ug/L), 479-45-8	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Metal							
Aluminum (ug/L), 7429-90-5	429000	8/25/2003	N/A	429000	8/25/2003	N/A	1
Antimony (ug/L), 7440-36-0	0.1	8/25/2003	N/A	0.1	8/25/2003	N/A	1
Arsenic (ug/L), 7440-38-2	85.6	8/25/2003	N/A	36.13	5/26/2003 - 8/25/2003	N/A	3
Barium (ug/L), 7440-39-3	3840	8/25/2003	N/A	3840	8/25/2003	N/A	1
Beryllium (ug/L), 7440-41-7	36.5	8/25/2003	N/A	36.5	8/25/2003	N/A	1
Boron (ug/L), 7440-42-8	131	8/25/2003	N/A	131	8/25/2003	N/A	1
Cadmium (ug/L), 7440-43-9	7.2	8/25/2003	N/A	3.5	5/26/2003 - 8/25/2003	N/A	3
Chromium (ug/L), 7440-47-3	268	8/25/2003	N/A	268	8/25/2003	N/A	1
Cobalt (ug/L), 7440-48-4	135	8/25/2003	N/A	135	8/25/2003	N/A	1
Copper (ug/L), 7440-50-8	250	8/25/2003	N/A	250	8/25/2003	N/A	1
Iron (ug/L), 7439-89-6	362000	8/25/2003	N/A	362000	8/25/2003	N/A	1
Lead (ug/L), 7439-92-1	290	8/25/2003	N/A	145.67	5/26/2003 - 8/25/2003	N/A	3
Manganese (ug/L), 7439-96-5	9940	8/25/2003	N/A	9940	8/25/2003	N/A	1
Mercury (ug/L), 7439-97-6	0.556	8/25/2003	N/A	0.27	5/26/2003 - 8/25/2003	N/A	3
Molybdenum (ug/L), 7439-98-7	0.474	8/25/2003	N/A	0.474	8/25/2003	N/A	1
Nickel (ug/L), 7440-02-0	246	8/25/2003	N/A	246	8/25/2003	N/A	1
Selenium (ug/L), 7782-49-2	1.145	8/25/2003	N/A	0.72	5/26/2003 - 8/25/2003	N/A	3

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Silver (ug/L), 7440-22-4	0.4095	8/25/2003	N/A	0.21	5/26/2003 - 8/25/2003	N/A	3
Thallium (ug/L), 7440-28-0	3.78	8/25/2003	N/A	3.78	8/25/2003	N/A	1
Tin (ug/L), 7440-31-5	0.775	8/25/2003	N/A	0.775	8/25/2003	N/A	1
Vanadium (ug/L), 7440-62-2	477	8/25/2003	N/A	477	8/25/2003	N/A	1
Zinc (ug/L), 7440-66-6	1230	8/25/2003	N/A	1230	8/25/2003	N/A	1
Pesticides and PCBs							
Aroclor-1221 (ug/L), 11104-28-2	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Aroclor-1232 (ug/L), 11141-16-5	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Aroclor-1242 (ug/L), 53469-21-9	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Aroclor-1248 (ug/L), 12672-29-6	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Aroclor-1254 (ug/L), 11097-69-1	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Aroclor-1260 (ug/L), 11096-82-5	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Aroclor-1262 (ug/L), 37324-23-5	0	8/25/2003	N/A	0	8/25/2003	N/A	1
Radionuclides							
Tritium (pCi/L), 10028-17-8	98	8/25/2003	N/A	98	8/25/2003	N/A	1

Subwatershed: S-Site (Martin)

Gage Station **E261**

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.567	8/20/2004	N/A	0.567	8/20/2004	N/A	1
Chemical Oxygen Demand (mg/L), (CAS not available)	921	8/20/2004	N/A	921	8/20/2004	N/A	1
Cyanide (Total) (mg/L), 57-12-5	0.00707	8/20/2004	N/A	0.00707	8/20/2004	N/A	1
Cyanide, Amenable (mg/L), 57-12-5	0.00086	8/20/2004	N/A	0.00086	8/20/2004	N/A	1
Magnesium (mg/L), 7439-95-4	69.5	8/20/2004	N/A	69.5	8/20/2004	N/A	1
Total Suspended Solids (mg/L), (CAS not available)	9760	8/20/2004	N/A	9760	8/20/2004	N/A	1
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	8/20/2004	N/A	0	8/20/2004	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	8/20/2004	N/A	0	8/20/2004	N/A	1
HMX (ug/L), 2691-41-0	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Nitrobenzene (ug/L), 98-95-3	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Nitrotoluene[2-] (ug/L), 88-72-2	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Nitrotoluene[3-] (ug/L), 99-08-1	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Nitrotoluene[4-] (ug/L), 99-99-0	0	8/20/2004	N/A	0	8/20/2004	N/A	1
RDX (ug/L), 121-82-4	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Tetryl (ug/L), 479-45-8	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	8/20/2004	N/A	0	8/20/2004	N/A	1
Metal							
Aluminum (ug/L), 7429-90-5	397000	8/20/2004	N/A	397000	8/20/2004	N/A	1
Antimony (ug/L), 7440-36-0	0.1	8/20/2004	N/A	0.1	8/20/2004	N/A	1
Arsenic (ug/L), 7440-38-2	95.1	8/20/2004	N/A	95.1	8/20/2004	N/A	1
Barium (ug/L), 7440-39-3	10100	8/20/2004	N/A	10100	8/20/2004	N/A	1
Beryllium (ug/L), 7440-41-7	38.8	8/20/2004	N/A	38.8	8/20/2004	N/A	1
Boron (ug/L), 7440-42-8	216	8/20/2004	N/A	216	8/20/2004	N/A	1
Cadmium (ug/L), 7440-43-9	10.4	8/20/2004	N/A	10.4	8/20/2004	N/A	1
Chromium (ug/L), 7440-47-3	220	8/20/2004	N/A	220	8/20/2004	N/A	1
Cobalt (ug/L), 7440-48-4	147	8/20/2004	N/A	147	8/20/2004	N/A	1
Copper (ug/L), 7440-50-8	370	8/20/2004	N/A	370	8/20/2004	N/A	1
Iron (ug/L), 7439-89-6	312000	8/20/2004	N/A	312000	8/20/2004	N/A	1
Lead (ug/L), 7439-92-1	225	8/20/2004	N/A	225	8/20/2004	N/A	1

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Manganese (ug/L), 7439-96-5	17300	8/20/2004	N/A	17300	8/20/2004	N/A	1
Mercury (ug/L), 7439-97-6	0.0236	8/20/2004	N/A	0.0236	8/20/2004	N/A	1
Molybdenum (ug/L), 7439-98-7	0.474	8/20/2004	N/A	0.474	8/20/2004	N/A	1
Nickel (ug/L), 7440-02-0	231	8/20/2004	N/A	231	8/20/2004	N/A	1
Selenium (ug/L), 7782-49-2	5.7	8/20/2004	N/A	5.7	8/20/2004	N/A	1
Silver (ug/L), 7440-22-4	0.4095	8/20/2004	N/A	0.4095	8/20/2004	N/A	1
Thallium (ug/L), 7440-28-0	0.01	8/20/2004	N/A	0.01	8/20/2004	N/A	1
Tin (ug/L), 7440-31-5	22.9	8/20/2004	N/A	22.9	8/20/2004	N/A	1
Vanadium (ug/L), 7440-62-2	483	8/20/2004	N/A	483	8/20/2004	N/A	1
Zinc (ug/L), 7440-66-6	1380	8/20/2004	N/A	1380	8/20/2004	N/A	1

Subwatershed: Upper Water

Gage Station E260

General Inorganics							
Ammonia as Nitrogen (mg/L), (CAS not available)	0.356	8/20/2004	N/A	0.356	8/20/2004	N/A	1
Chemical Oxygen Demand (mg/L), (CAS not available)	466	6/21/2002	N/A	374.67	6/21/2002 - 8/20/2004	N/A	3
Cyanide (Total) (mg/L), 57-12-5	0.00406	8/20/2004	N/A	0.00406	8/20/2004	N/A	1
Cyanide, Amenable (mg/L), 57-12-5	0.00086	8/20/2004	N/A	0.00086	8/20/2004	N/A	1
Magnesium (mg/L), 7439-95-4	11.9	8/20/2004	N/A	8.45	4/27/2004 - 8/20/2004	N/A	2
Total Suspended Solids (mg/L), (CAS not available)	9900	8/20/2004	N/A	4950.48	4/27/2004 - 8/20/2004	N/A	2
High Explosives							
Amino-2,6-dinitrotoluene[4-] (ug/L), 19406-51-0	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Amino-4,6-dinitrotoluene[2-] (ug/L), 35572-78-2	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Dinitrobenzene[1,3-] (ug/L), 99-65-0	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Dinitrotoluene[2,4-] (ug/L), 121-14-2	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Dinitrotoluene[2,6-] (ug/L), 606-20-2	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
HMX (ug/L), 2691-41-0	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samples
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Nitrobenzene (ug/L), 98-95-3	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Nitrotoluene[2-] (ug/L), 88-72-2	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Nitrotoluene[3-] (ug/L), 99-08-1	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Nitrotoluene[4-] (ug/L), 99-99-0	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
RDX (ug/L), 121-82-4	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Tetryl (ug/L), 479-45-8	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Trinitrobenzene[1,3,5-] (ug/L), 99-35-4	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Trinitrotoluene[2,4,6-] (ug/L), 118-96-7	0	4/27/2004 - 8/20/2004	N/A	0	4/27/2004 - 8/20/2004	N/A	2
Metal							
Aluminum (ug/L), 7429-90-5	36500	8/20/2004	N/A	18363.5	4/27/2004 - 8/20/2004	N/A	2
Antimony (ug/L), 7440-36-0	0.1	4/27/2004 - 8/20/2004	N/A	0.1	4/27/2004 - 8/20/2004	N/A	2
Arsenic (ug/L), 7440-38-2	14.3	8/20/2004	N/A	7.57	4/27/2004 - 8/20/2004	N/A	2
Barium (ug/L), 7440-39-3	2120	8/20/2004	N/A	1107.05	4/27/2004 - 8/20/2004	N/A	2
Beryllium (ug/L), 7440-41-7	10.5	8/20/2004	N/A	5.29	4/27/2004 - 8/20/2004	N/A	2
Boron (ug/L), 7440-42-8	0.695	4/27/2004 - 8/20/2004	N/A	0.7	4/27/2004 - 8/20/2004	N/A	2
Cadmium (ug/L), 7440-43-9	3.3	8/20/2004	N/A	1.67	4/27/2004 - 8/20/2004	N/A	2
Chromium (ug/L), 7440-47-3	15.1	8/20/2004	N/A	7.91	4/27/2004 - 8/20/2004	N/A	2
Cobalt (ug/L), 7440-48-4	40.9	8/20/2004	N/A	20.64	4/27/2004 - 8/20/2004	N/A	2
Copper (ug/L), 7440-50-8	38.8	8/20/2004	N/A	19.85	4/27/2004 - 8/20/2004	N/A	2
Iron (ug/L), 7439-89-6	20400	8/20/2004	N/A	10263	4/27/2004 - 8/20/2004	N/A	2
Lead (ug/L), 7439-92-1	105	8/20/2004	N/A	52.51	4/27/2004 - 8/20/2004	N/A	2
Manganese (ug/L), 7439-96-5	6400	8/20/2004	N/A	3200.08	4/27/2004 - 8/20/2004	N/A	2
Mercury (ug/L), 7439-97-6	0.0236	8/20/2004	N/A	0.02	4/27/2004 - 8/20/2004	N/A	2
Molybdenum (ug/L), 7439-98-7	0.474	4/27/2004 - 8/20/2004	N/A	0.47	4/27/2004 - 8/20/2004	N/A	2
Nickel (ug/L), 7440-02-0	32.1	8/20/2004	N/A	16.95	4/27/2004 - 8/20/2004	N/A	2

Pollutant and CAS Number (if available)	Maximum Values			Average Values			# of Samp-les
	Grab Sample Taken During First 30 Minutes	Date (or range if >1 occurence of Max Value)	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Date (or range if >1 sample)	Flow-weighted Composite	
Selenium (ug/L), 7782-49-2	1.145	4/27/2004 - 8/20/2004	N/A	1.15	4/27/2004 - 8/20/2004	N/A	2
Silver (ug/L), 7440-22-4	0.4095	4/27/2004 - 8/20/2004	N/A	0.41	4/27/2004 - 8/20/2004	N/A	2
Thallium (ug/L), 7440-28-0	0.01	4/27/2004 - 8/20/2004	N/A	0.01	4/27/2004 - 8/20/2004	N/A	2
Tin (ug/L), 7440-31-5	0.775	4/27/2004 - 8/20/2004	N/A	0.78	4/27/2004 - 8/20/2004	N/A	2
Vanadium (ug/L), 7440-62-2	81.2	8/20/2004	N/A	40.78	4/27/2004 - 8/20/2004	N/A	2
Zinc (ug/L), 7440-66-6	263	8/20/2004	N/A	131.6	4/27/2004 - 8/20/2004	N/A	2

Section VII. Discharge Information, Part D

Flow and Storm Event Data for Group 2 Gage Stations

Water Years 2002 and 2003

LA-14019-PR
Progress Report
Issued: March 2003

Surface Water Data at Los Alamos National Laboratory 2002 Water Year

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NATIONAL LABORATORY

E242 Starmer's Gulch at TA-22

Location. Lat 35°51'33.0", long 106°20'13.0", SW 1/4 SW 1/4 sec. 20, T. 19 N, R. 6 E, Los Alamos County, 100 ft upstream from confluence of Starmer's Gulch and Pajarito Canyon, 0.5 mi south of LANL TA-22, building 91.

Drainage Area. 0.82 mi^2.

Period of Record. March 1999 to September 30, 2002.

Gage. Data logger with cellular telemetry. Elevation of gage is 7,390 ft above *National Geodetic Vertical Datum of 1929*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 180 ft^3/s, June 28, 2000, gage height 2.75 ft. Minimum daily 0.01 ft^3/s, many days.

Extremes for Current Water Year. Maximum discharge 7.8 ft^3/s at 2315 hrs, June 21, gage height 1.60 ft. Minimum daily 0.01 ft^3/s, many days.

E242 Starmer's Gulch at TA-22

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.05	0.01	0.02	0.01	0.01*	0.02	0.02	0.02	0.02	0.02	0.02	0.02
2	0.05	0.01	0.02	0.02	0.01*	0.03	0.02	0.02	0.02	0.02	0.02	0.02
3	0.05	0.01	0.02	0.02	0.01*	0.03	0.02	0.01	0.02	0.02	0.02	0.02
4	0.04	0.01	0.03	0.02	0.01*	0.03	0.02	0.01	0.02	0.03	0.02	0.01
5	0.04	0.01	0.02	0.02	0.01*	0.03	0.02	0.01	0.02	0.03	0.02	0.01
6	0.04	0.01	0.02	0.03	0.01*	0.03	0.02	0.02	0.02	0.03	0.02	0.01
7	0.04	0.01	0.02	0.02	0.01*	0.02	0.02	0.02	0.02	0.02	0.02	0.01
8	0.04	0.01	0.02	0.02	0.01*	0.01	0.02	0.02	0.02	0.02	0.02	0.01
9	0.04	0.01	0.02	0.02	0.01*	0.01	0.02	0.01	0.02	0.02	0.04	0.01
10	0.03	0.01	0.03	0.02	0.01*	0.01	0.02	0.02	0.02	0.02	0.01	0.04
11	0.03	0.01	0.02	0.02	0.01*	0.01	0.02	0.02	0.02	0.02	0.01	0.02
12	0.03	0.01	0.02	0.02	0.01*	0.01	0.02	0.02	0.02	0.01	0.01	0.03
13	0.03	0.01	0.04	0.02	0.01*	0.02	0.02	0.01	0.02	0.02	0.01	0.02
14	0.02	0.01	0.04	0.02	0.01*	0.02	0.01	0.02	0.02	0.08	0.02	0.02
15	0.02	0.01	0.04	0.02	0.01	0.02	0.02	0.02	0.02	0.05	0.02	0.01
16	0.02	0.01	0.03	0.02	0.03	0.02	0.01	0.02	0.02	0.04	0.02	0.01
17	0.02	0.01	0.04	0.02	0.01	0.02	0.01	0.02	0.02	0.03	0.02	0.01
18	0.02	0.01	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.01
19	0.02	0.01	0.03	0.01*	0.02	0.02	0.01	0.02	0.02	0.03	0.02	0.01
20	0.01	0.01	0.03	0.01*	0.03	0.02	0.01	0.02	0.02	0.05	0.02	0.01
21	0.01	0.01	0.02	0.01*	0.02	0.02	0.01	0.02	0.19	0.04	0.02	0.01
22	0.01	0.01	0.02	0.01*	0.02	0.02	0.01	0.02	0.12	0.04	0.02	0.01
23	0.01	0.02	0.01*	0.01*	0.02	0.02	0.01	0.02	0.05	0.05	0.02	0.01
24	0.01	0.02	0.01*	0.01*	0.02	0.02	0.02	0.02	0.04	0.05	0.02	0.01
25	0.01	0.02	0.01*	0.01*	0.02	0.02	0.02	0.02	0.04	0.08	0.02	0.02
26	0.01	0.02	0.01*	0.01*	0.02	0.02	0.01	0.02	0.03	0.07	0.02	0.02
27	0.01	0.02	0.01*	0.02	0.02	0.02	0.02	0.02	0.02	0.06	0.02	0.02
28	0.01	0.02	0.01*	0.01	0.03	0.03	0.01	0.02	0.02	0.05	0.02	0.01
29	0.01	0.02	0.01*	0.02	—	0.02	0.02	0.02	0.02	0.04	0.02	0.01
30	0.01	0.02	0.01	0.02	—	0.02	0.02	0.02	0.02	0.02	0.02	0.01
31	0.01	—	0.01	0.01	—	0.02	—	0.02	—	0.02	0.02	—
Total	0.75	0.38	0.67	0.52	0.43	0.63	0.49	0.57	0.95	1.11	0.60	0.44
Mean	0.024	0.013	0.022	0.017	0.015	0.020	0.016	0.018	0.032	0.036	0.019	0.015
Max	0.05	0.02	0.04	0.03	0.03	0.03	0.02	0.02	0.19	0.08	0.04	0.04
Min	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01
Ac-Ft	1.4	0.8	1.4	1.0	0.8	1.3	1.0	0.9	1.7	2.0	1	0.8

Wtr Year	2002	Total	7.54	Mean	0.021	Max	0.19	Min	0.01	Ac-Ft	14
Cal Year	2001	Total	51.59	Mean	0.14	Max	1.9	Min	0.01	Ac-Ft	101

*Estimated.

E2425 La Delfe above Pajarito

Location. Lat 35°51'25", long 106°19'56", Ramon Vigil Grant, Los Alamos County 0.25 mi west of Starmer's Gulch and Pajarito Canyon and 0.75 mi south of LANL TA-22, building 91.

Drainage Area. 0.53 mi^2.

Period of Record. June 1, 2000, to September 30, 2002.

Gage. Data logger with cellular telemetry and 90° sharp crested weir. Elevation of gage is 7,340 ft above *National Geodetic Vertical Datum of 1929*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 6.6 ft^3/s, June 21, 2002, gage height 1.91 ft; maximum gage height recorded 2.01 ft, January 4, 2002 (ice jam); no flow at times.

Extremes for Period of June 1 to September 30, 2000. Maximum discharge 0.07 ft^3/s, June 2, gage height 0.85 ft; no flow at times.

Extremes for Water Year 2001. Maximum discharge 0.66 ft^3/s, October 28, 2000, gage height 1.17 ft; no flow at times.

Extremes for Current Year. Maximum discharge 6.6 ft^3/s at 2330 hrs, June 21, gage height 1.91 ft; maximum gage height recorded 2.01 ft, January 4 (ice jam); no flow at times.

E2425 La Delfe above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 1999 to September 2000

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	0	0.01	0.01
2								0	0	0	0.01	0.01
3								0	0	0	0.01	0.01
4								0	0	0	0.01	0.01
5								0	0	0	0.01	0.01
6								0	0	0	0.01	0.01
7								0	0	0	0.01	0.01
8								0	0	0	0.01	0.01
9								0	0	0	0.01	0.01
10								0	0	0	0.01	0.01
11								0	0	0	0.01	0.01
12								0	0	0	0.01	0.02
13								0	0	0	0.01	0.01
14								0	0	0	0.01	0.01
15								0	0	0	0.01	0.01
16								0	0	0	0.01	0.01*
17								0	0	0	0.01	0.01*
18								0	0	0	0.01	0.01*
19								0	0	0	0.02	0.01*
20								0	0	0	0.02	0.01*
21								0	0	0	0.02	0.01*
22								0	0	0	0.01	0.01*
23								0	0	0	0.01	0.01*
24								0	0	0	0.01	0.01*
25								0	0	0.01	0.01	0.01*
26								0	0	0.01	0.01	0.01*
27								0	0	0.01	0.01	0.01*
28								0	0	0.01	0.01	0.01*
29								0	0	0.01	0.01	0.01*
30								0	0	0.01	0.01*	0.01*
31								0	—	0.01	0.01	—
Total								0	0	0.07	0.34	0.31
Mean								0	0	0.002	0.011	0.010
Max								0	0	0.01	0.02	0.02
Min								0	0	0	0.01	0.01
Ac-Ft								0	0	0.2	0.7	0.6

Wtr Year	2000	Total	0.72	Mean	0.005	Max	0.02	Min	0	Ac-Ft	1.4
Cal Year	1999	Total		Mean		Max		Min		Ac-Ft	

*Estimated.

E2425 La Delfe above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2000 to September 2001

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01*	0.04	0.02	0.01	0	0.01	0.14	0.09	0.04	0.04	0.04	0.02
2	0.01*	0.04	0.02	0.01	0*	0.01	0.13	0.09	0.04	0.05	0.04	0.02
3	0.01*	0.04	0.02	0.01	0*	0.01	0.13	0.09	0.04	0.04	0.05	0.02
4	0.01*	0.04	0.02	0.02	0	0.01	0.13	0.09	0.04	0.04	0.04	0.02
5	0.01*	0.07	0.02	0.02	0	0.01	0.12	0.09	0.03	0.04	0.04	0.02
6	0.01*	0.05	0.02	0.01	0	0.01	0.14	0.09	0.03	0.04	0.04	0.02
7	0.01*	0.04	0.02	0	0	0.01	0.13	0.09	0.03	0.03	0.04	0.01
8	0.01	0.04	0.02	0.01	0	0.01	0.13	0.09	0.03	0.02	0.04	0.01
9	0.01	0.03	0.02	0	0.02	0.02	0.12	0.09	0.03	0.02	0.04	0.02
10	0.01	0.03	0.02	0	0.02*	0.02	0.12	0.09	0.03	0.02	0.05	0.02
11	0.01	0.03	0.03	0	0.01	0.02	0.11	0.08	0.03	0.02	0.06	0.01
12	0.01*	0.03	0.03	0	0.01*	0.01	0.11	0.08	0.03	0.02	0.06	0.01
13	0.01*	0.03	0.03	0	0.01	0.02	0.11	0.08	0.03	0.03	0.05	0.01
14	0.01*	0.03	0.03	0	0.01	0.02	0.10	0.08	0.03	0.03	0.06	0.01
15	0.01*	0.03	0.03	0	0.01	0.02	0.10	0.07	0.03	0.03	0.06	0.01
16	0.01*	0.03	0.03	0	0.01	0.02	0.10	0.07	0.03	0.03	0.06	0.02
17	0.01*	0.03	0.03	0	0.01	0.02	0.09	0.07	0.03	0.03	0.03	0.01
18	0.01*	0.03	0.04	0	0.01	0.02	0.09	0.06	0.03	0.03	0.03	0.01
19	0.01*	0.03	0.07	0	0.01	0.02	0.09	0.06	0.03	0.03	0.03	0.01
20	0.01*	0.02	0.07	0	0.01	0.02	0.09	0.06	0.03	0.03	0.03	0.02
21	0.01	0.02	0.06	0	0.01	0.03	0.09	0.06	0.02	0.03	0.02	0.01
22	0.01	0.02	0.07	0	0.02	0.03	0.09	0.05	0.02	0.03	0.02	0.01
23	0.06	0.02	0.03	0	0.03	0.01	0.09	0.05	0.03	0.03	0.02	0.01
24	0.07	0.02	0.01	0	0.01	0.01	0.09	0.04	0.02	0.03	0.02	0.01
25	0.03	0.02	0	0	0.01	0.02	0.09	0.04	0.02	0.03	0.02	0.01
26	0.03	0.02	0	0	0.01	0.02	0.09	0.04	0.02	0.04	0.02	0.01
27	0.05	0.02	0.01	0	0.01	0.02	0.09	0.04	0.03	0.04	0.02	0.01
28	0.16	0.02	0.01	0	0.01	0.02	0.09	0.05	0.02	0.04	0.02	0.01
29	0.07	0.02	0.01	0	—	0.13	0.09	0.06	0.02	0.04	0.02	0.01
30	0.05	0.02	0.01	0	—	0.16	0.09	0.04	0.03	0.04	0.02	0.01
31	0.04	—	0.01	0	—	0.14	—	0.04	—	0.04	0.02	—
Total	0.78	0.91	0.81	0.09	0.25	0.90	3.18	2.12	0.87	1.01	1.11	0.40
Mean	0.025	0.030	0.026	0.003	0.009	0.029	0.11	0.068	0.029	0.033	0.036	0.013
Max	0.16	0.07	0.07	0.02	0.03	0.16	0.14	0.09	0.04	0.05	0.06	0.02
Min	0.01	0.02	0	0	0	0.01	0.09	0.04	0.02	0.02	0.02	0.01
Ac-Ft	1.4	1.6	1.5	0.2	0.5	1.9	6.6	4.4	1.7	2.0	2.0	0.8

Wtr Year	2001	Total	12.43	Mean	0.034	Max	0.16	Min	0	Ac-Ft	24
Cal Year	2000	Total	3.22	Mean	0.013	Max	0.16	Min	0	Ac-Ft	5.9

*Estimated.

E2425 La Delfe above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01*	0.01	0.01*	0.01*	0.01*	0	0	0	0	0.01*	0	0
2	0.01*	0.01	0.01*	0.01*	0.01*	0	0	0	0	0.01*	0	0
3	0.01	0.01	0.01*	0.01*	0.01*	0.02	0	0	0	0.01*	0	0
4	0.01	0.01	0.01*	0.01*	0.01*	0.04	0	0	0	0.01*	0	0
5	0.01	0.01	0.01*	0.01*	0.01*	0	0	0	0	0.01*	0	0
6	0.01	0.01	0.01*	0.01*	0.01*	0	0	0	0	0.01*	0	0
7	0.01	0.01	0.01*	0.01*	0.01*	0	0	0	0	0.01*	0	0
8	0.01	0.01	0.01*	0.01*	0.01*	0.13	0	0	0	0.01*	0	0
9	0.01	0.01	0.01*	0.01*	0.01*	0.03	0	0	0	0.01*	0	0
10	0.01	0.01	0.01*	0.01*	0.01*	0	0	0	0	0.01*	0	0.05
11	0.01	0.01	0.01*	0.01*	0*	0.02	0	0	0	0.01*	0	0.01
12	0.01	0.01	0.01*	0.01*	0*	0	0	0	0	0.30*	0	0.01
13	0.01	0.01	0.01*	0.01*	0*	0.03	0	0	0	0.01*	0	0.01
14	0.01	0.01	0.01*	0.01*	0*	0	0	0	0	0.01*	0	0.01
15	0.01	0.01	0.01*	0.01*	0*	0	0	0	0	0.01	0	0.01
16	0.01	0.01	0.01*	0.01*	0*	0.02	0	0	0	0.01	0	0.01
17	0.01	0.01	0.01*	0.01*	0*	0	0	0	0	0	0	0.01
18	0.01	0.01	0.01*	0.01*	0*	0	0	0	0	0	0	0.01
19	0.01	0.01	0.01*	0.01*	0*	0	0	0	0	0	0	0.01
20	0.01	0.01	0.01*	0.01*	0*	0	0*	0	0	0	0	0.01
21	0.01	0.01	0.01*	0.01*	0*	0	0	0	0.12	0	0	0
22	0.01	0.01	0.01*	0.01*	0*	0.01	0	0	0.32	0	0	0
23	0.01	0.01	0.01*	0.01*	0*	0	0	0	0.17	0.01	0	0
24	0.01	0.01	0.01*	0.01*	0*	0	0	0	0.08*	0.01	0	0
25	0.01	0.01	0.01*	0.01*	0*	0	0	0	0.05*	0.01	0	0
26	0.01	0.01	0.01*	0.01*	0	0	0	0	0.04*	0.01	0	0
27	0.01	0.01*	0.01*	0.01*	0	0	0	0	0.03*	0	0	0
28	0.01	0.01*	0.01*	0.01*	0	0	0	0	0.03*	0	0	0
29	0.01	0.01*	0.01*	0.01*	—	0	0	0	0.02*	0	0	0
30	0.01	0.01*	0.01*	0.01*	—	0	0	0	0.02*	0	0	0
31	0.01	—	0.01*	0.01*	—	0	—	0	—	0	0	—
Total	0.31	0.30	0.31	0.31	0.10	0.30	0	0	0.88	0.49	0	0.15
Mean	0.010	0.010	0.010	0.010	0.004	0.010	0	0	0.029	0.016	0	0.005
Max	0.01	0.01	0.01	0.01	0.01	0.13	0	0	0.32	0.30	0	0.05
Min	0.01	0.01	0.01	0.01	0	0	0	0	0	0	0	0
Ac-Ft	0.6	0.6	0.6	0.6	0.2	0.6	0	0	1.7	1.0	0	0.4

Wtr Year	2002	Total	3.15	Mean	0.009	Max	0.32	Min	0	Ac-Ft	6.4
Cal Year	2001	Total	10.85	Mean	0.030	Max	0.16	Min	0	Ac-Ft	22

*Estimated.

E246 Threemile above Pajarito
(formerly published as E246 Three Mile Canyon above Confluence with Water Canyon)

Location. Lat 35°50'20", long 106°16'17", NW 1/4 SE 1/4, Ramon Vigil Grant, Los Alamos County, 0.05 mi northeast of TA-18, and 0.50 mi southeast of Pajarito Road.

Drainage Area. 1.53 mi^2.

Period of Record. October 1998 to September 30, 2002.

Gage. Data logger with cellular telemetry and 9-in. Parshall flume. Elevation of gage is 6,760 ft above *National Geodetic Vertical Datum of 1929.*

Remarks. Water discharge record good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 25 ft^3/s, October 27, 2000, gage height 2.00 ft (about); no flow most of the time.

Extremes for Current Water Year. No flow all year.

E246 Threemile above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	—	0	0	0	0	0	0	0
30	0	0	0	0	—	0	0	0	0	0	0	0
31	0	—	0	0	—	0	—	0	—	0	0	—
Total	0	0	0	0	0	0	0	0	0	0	0	0
Mean	0	0	0	0	0	0	0	0	0	0	0	0
Max	0	0	0	0	0	0	0	0	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	0	0	0	0

Wtr Year	2002	Total	0	Mean	0	Max	0	Min	0	Ac-Ft	0
Cal Year	2001	Total	5.90	Mean	0.016	Max	0.56	Min	0	Ac-Ft	12

E250 Pajarito Canyon above Highway 4 near White Rock, NM

Location. Lat 35°49'26.7", long 106°13'40.5", in Ramon Vigil Grant, Los Alamos County on left bank, 400 ft southeast of Pajarito Road, 0.40 mi upstream from NM State Highway 4, and 1.4 mi from White Rock, NM.

Drainage Area. 10.9 mi^2.

Period of Record. November 1993 to September 30, 2002.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,535 ft above *National Geodetic Vertical Datum of 1929,* from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Average Discharge. 8 years, 0.03 ft^3/s, 22 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 26 ft^3/s, June 22, 2002, gage height 3.86 ft. No flow most of the time.

Extremes for Current Water Year. Maximum discharge 26 ft^3/s at 0435 hrs, June 22, gage height 3.86 ft. No flow most of time.

E250 Pajarito Canyon above Highway 4 near White Rock, NM

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0	0	0	0	0	0	0	0	0	0	0
2	0*	0	0	0	0	0	0	0	0	0	0	0
3	0*	0	0	0	0	0	0	0	0	0	0	0
4	0*	0	0	0	0	0	0	0	0	0	0	0
5	0*	0	0	0	0	0	0	0	0	0	0	0
6	0*	0	0	0	0	0	0	0	0	0	0	0
7	0*	0	0	0	0	0	0	0	0	0	0	0
8	0*	0	0	0	0	0	0	0	0	0	0	0
9	0*	0	0	0	0	0	0	0	0	0	0	0.01
10	0*	0	0	0	0	0	0	0	0	0	0	0.03
11	0*	0	0	0	0	0	0	0	0	0	0	0.01
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	2.6	0	0	0
23	0	0	0	0	0	0	0	0	0.02	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0.06	0
29	0	0	0	0	—	0	0	0	0	0	0	0
30	0	0	0	0	—	0	0	0	0	0	0	0
31	0	—	0	0	—	0	—	0	—	0	0	—
Total	0	0	0	0	0	0	0	0	2.62	0	0.06	0.05
Mean	0	0	0	0	0	0	0	0	0.087	0	0.002	0.002
Max	0	0	0	0	0	0	0	0	2.6	0	0.06	0.03
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	5.2	0	0.1	0.07

Wtr Year	2002	Total	2.73	Mean	0.008	Max	2.6	Min	0	Ac-Ft	5.4
Cal Year	2001	Total	47.58	Mean	0.13	Max	3.1	Min	0	Ac-Ft	95

*Estimated.

E262 Cañon de Valle above Confluence with Water Canyon

Location. Lat 35°49'52", long 106°18'14", in Ramon Vigil Grant, Los Alamos County, on right bank 200 ft above confluence with Water Canyon, 1.6 mi upstream from E262.5 and 4.2 mi upstream from NM State Highway 4.

Drainage Area. 4.14 mi^2.

Period of Record. October 1998 to September 30, 2002.

Gage. Data logger with cellular telemetry and 90° weir plate. Elevation of gage is 6,840 ft above *National Geodetic Vertical Datum of 1929.*

Remarks. Records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 32 ft^3/s, June 22, 2002, gage height 3.65 ft; no flow most of time.

Extremes for Current Water Year. Maximum discharge 32 ft^3/s at 0010 hrs, June 22, gage height 3.65 ft; no flow most of time.

E262 Canon de Valle above Confluence with Water Canyon

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0*	0*	0	0*	0*	0*	0	0	0	0	0*	0*
2	0*	0	0	0*	0*	0*	0	0	0	0	0*	0*
3	0*	0	0	0*	0*	0*	0	0	0	0	0*	0*
4	0*	0	0	0*	0*	0*	0	0	0	0	0*	0
5	0*	0	0	0*	0*	0*	0	0	0	0.18	0*	0*
6	0*	0	0	0*	0*	0*	0	0	0	0.11	0*	0*
7	0*	0	0	0*	0*	0*	0	0	0	0*	0*	0*
8	0*	0	0	0*	0*	0*	0	0	0	0*	0*	0*
9	0*	0	0	0*	0*	0*	0	0	0	0*	0*	0*
10	0*	0	0	0*	0*	0*	0	0	0	0*	0*	0.16
11	0*	0	0*	0*	0*	0*	0	0	0	0*	0*	0*
12	0*	0	0*	0*	0*	0*	0	0	0	0*	0*	0*
13	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0*
14	0*	0	0*	0*	0*	0	0	0	0	0.11	0*	0*
15	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0*
16	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0*
17	0*	0	0*	0*	0*	0	0	0	0	0*	0	0*
18	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0*
19	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0*
20	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0*
21	0*	0	0*	0*	0*	0	0	0	0.01	0*	0*	0*
22	0*	0	0*	0*	0*	0	0	0	0.75	0*	0*	0*
23	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0*
24	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0
25	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0
26	0*	0	0*	0*	0*	0	0	0	0	0*	0*	0
27	0*	0*	0*	0*	0*	0	0	0	0	0*	0*	0
28	0*	0*	0*	0*	0*	0	0	0	0	0*	0.03	0
29	0*	0*	0*	0*	—	0	0	0	0	0*	0*	0
30	0*	0	0*	0*	—	0	0	0	0	0*	0*	0
.	0*	—	0*	0*	—	0	—	0	—	0*	0*	—
Total	0	0	0	0	0	0	0	0	0.76	0.40	0.03	0.16
Mean	0	0	0	0	0	0	0	0	0.025	0.013	0.001	0.005
Max	0	0	0	0	0	0	0	0	0.75	0.18	0.03	0.16
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	1.5	0.8	0.06	0.3

Wtr Year	2002	Total	1.35	Mean	0.004	Max	0.75	Min	0	Ac-Ft	2.7
Cal Year	2001	Total	4.22	Mean	0.012	Max	1.0	Min	0	Ac-Ft	7.9

*Estimated.

E2625 Water Canyon below Area AB, TA-49

Location. Lat 35°49'31", long 106°17'03", in Ramon Vigil Grant, Los Alamos County, on left bank 1.6 mi downstream from E262, 2.6 mi upstream from NM State Highway 4, and 4.6 mi northeast of Pajarito Road junction.

Drainage Area. 11.3 mi^2.

Period of Record. May 1 to September 30, 2002.

Gage. Data logger with cellular telemetry and 90° weir plate. Elevation of gage is 6,580 ft above *National Geodetic Vertical Datum of 1929.*

Remarks. Records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 53 ft^3/s, June 22, 2002, gage height 3.65 ft; no flow most of time.

Extremes for Current Water Year. Maximum discharge 53 ft^3/s at 0010 hrs, June 22, gage height, 3.65 ft. No flow most of time.

E2625 Water Canyon below Area AB, TA-49

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0*	0
2	0	0	0	0	0	0	0	0	0	0	0*	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0.44
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0.22	0	0
15	0	0	0	0	0	0	0	0	0	0*	0	0
16	0	0	0	0	0	0	0	0	0	0*	0	0
17	0	0	0	0	0	0	0	0	0	0*	0	0
18	0	0	0	0	0	0	0	0	0	0*	0	0
19	0	0	0	0	0	0	0	0	0	0*	0	0
20	0	0	0	0	0	0	0	0	0	0*	0	0
21	0	0	0	0	0	0	0	0	0.06	0*	0	0
22	0	0	0	0	0	0	0	0	1.9	0*	0	0
23	0	0	0	0	0	0	0	0	0*	0*	0	0
24	0	0	0	0	0	0	0	0	0*	0*	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0*	0	0
27	0	0	0	0	0	0	0	0	0	0*	0	0
28	0	0	0	0	0	0	0	0	0	0*	0	0
29	0	0	0	0	—	0	0	0	0	0*	0	0
30	0	0	0	0	—	0	0	0	0	0*	0	0
31	0	—	0	0	—	0	—	0	—	0*	0	—
Total	0	0	0	0	0	0	0	0	1.96	0.22	0	0.44
Mean	0	0	0	0	0	0	0	0	0.065	0.007	0	0.015
Max	0	0	0	0	0	0	0	0	1.9	0.22	0	0.44
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	3.8	0.4	0	0.9

Wtr Year	2002	Total	2.62	Mean	0.007	Max	1.9	Min	0	Ac-Ft	5.1
Cal Year	2001	Total	7.33	Mean	0.030	Max	2.6	Min	0	Ac-Ft	14

*Estimated.

E267 Potrillo Canyon near White Rock, NM

Location. Lat 35°48'48", long 106°14'00", in Ramon Vigil Grant, Los Alamos County, on left bank 0.25 mi upstream from NM State Highway 4 and 2.0 mi southwest of White Rock.

Drainage Area. 2.25 mi^2.

Period of Record. October 1993 to September 30, 2002.

Revised Records. LA-13551-PR (1998): Station number.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,458 ft above *National Geodetic Vertical Datum of 1929,* from GPS survey.

Remarks. Water discharge records good.

Average Discharge. 8 years, 0.002 ft^3/s, 1.4 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 63 ft^3/s, August 29, 1995, gage height 2.70 ft (from slope-area determination). No flow most of time.

Extremes for Current Water Year. Maximum discharge 15 ft^3/s at 1405 hrs, August 28, gage height 1.72 ft. No flow most of time.

E267 Potrillo Canyon near White Rock, NM

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2001 to September 2002

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0.01
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0.29	0
29	0	0	0	0	—	0	0	0	0	0	0	0
30	0	0	0	0	—	0	0	0	0	0	0	0
31	0	—	0	0	—	0	—	0	—	0	0	—
Total	0	0	0	0	0	0	0	0	0	0	0.29	0.01
Mean	0	0	0	0	0	0	0	0	0	0	0.009	0
Max	0	0	0	0	0	0	0	0	0	0	0.29	0.01
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	0	0	0.6	0.02

Wtr Year	2002	Total	0.30	Mean	0.001	Max	0.29	Min	0	Ac-Ft	0.6
Cal Year	2001	Total	0	Mean	0	Max	0	Min	0	Ac-Ft	0

LA-14131-PR
Progress Report
Issued: March 2004

Surface Water Data at Los Alamos National Laboratory 2003 Water Year

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D. Ortiz
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Los Alamos
NATIONAL LABORATORY

E242 Starmers above Pajarito

Location. Lat 35°51'33.0", long 106°20'13.0", SW 1/4 SW 1/4 sec. 20, T. 19 N, R. 6 E, Los Alamos County, 100 ft upstream from confluence of Starmer's Gulch and Pajarito Canyon, 0.5 mi south of LANL TA-22, building 91.

Drainage Area. 0.82 mi^2.

Period of Record. March 1999 to September 30, 2003.

Gage. Data logger with cellular telemetry. Elevation of gage is 7,390 ft above *National Geodetic Vertical Datum of 1929*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 180 ft^3/s, June 28, 2000, gage height 2.75 ft. No flow at times.

Extremes for Current Water Year. Maximum discharge 2.2 ft^3/s at 1730 hrs, August 11, gage height 1.20 ft. No flow at times.

E242 Starmers above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01*	0.01	0	0	0.02	0.04	0.05	0.02	0.02	0.02	0.02	0.11
2	0.01*	0.01	0.01	0.01	0.02	0.03	0.04	0.02	0.02	0.02	0.02	0.09
3	0.01*	0.01	0	0.01	0.03	0.04	0.04	0.02	0.02	0.02	0.03	0.08
4	0.01*	0.01	0	0.01	0.03	0.03	0.04	0.02	0.02	0.02	0.03	0.09
5	0.01*	0.01	0	0.01	0.03	0.03	0.05	0.02	0.02	0.02	0.03	0.11
6	0.01*	0.01	0.01	0	0.03	0.04	0.05	0.02	0.02	0.02	0.03	0.23
7	0.01*	0.01	0.02	0.01	0.02	0.04	0.05	0.02	0.02	0.02	0.02	0.23
8	0.01*	0.01	0.01	0.02	0.03	0.04	0.04	0.02	0.02	0.02	0.02	0.24
9	0.01*	0.02	0.01	0.01*	0.03	0.04	0.04	0.02	0.02	0.01	0.02	0.27
10	0.01*	0.01	0.02	0.01*	0.01	0.05	0.04	0.02	0.02	0.01	0.03	0.25
11	0.01*	0.01	0.01	0.01*	0.02	0.05	0.03	0.02	0.02	0.01	0.10	0.19
12	0.01*	0.01	0.01	0.01*	0.03	0.05	0.03	0.02	0.02	0.01	0.04	0.17
13	0.01*	0.02	0.01	0.01*	0.03	0.07	0.03	0.02	0.02	0.01	0.04	0.14
14	0.01*	0.01	0.01	0.01*	0.02	0.07	0.03	0.02	0.02	0.01	0.04	0.11
15	0.01*	0.01	0.01	0.01	0.03	0.08	0.03	0.02	0.02	0.01	0.04	0.08
16	0.01*	0.01	0.02	0.02	0.04	0.08	0.03	0.02	0.02	0.01	0.04	0.07
17	0.01*	0.01	0.01	0.02	0.04	0.08	0.03	0.02	0.02	0.01	0.04	0.05
18	0	0.01	0.01	0.02	0.04	0.08	0.03	0.02	0.02	0.01	0.04	0.05
19	0.01	0.01	0.01	0.01	0.04	0.08	0.03	0.02	0.03	0.01	0.04	0.04
20	0	0.01	0.02	0	0.04	0.07	0.03	0.02	0.03	0.01	0.04	0.03
21	0.01	0.01	0.01	0.02	0.04	0.07	0.03	0.02	0.03	0.01	0.05	0.03
22	0	0.01	0.01	0.01	0.03	0.06	0.03	0.02	0.02	0.01	0.05	0.03
23	0	0.01	0.01	0.02	0.03	0.06	0.03	0.02	0.02	0.01	0.05	0.01*
24	0.01	0.01	0.01	0.02	0.03	0.06	0.03	0.02	0.02	0.01	0.05	0.01*
25	0.01	0	0.01	0.02	0.03	0.06	0.03	0.02	0.02	0.02	0.05	0.01*
26	0.01	0	0.01	0.02	0.03	0.06	0.02	0.02	0.02	0.02	0.05	0.01*
27	0.01	0.01	0.01	0.02	0.04	0.07	0.02	0.02	0.02	0.02	0.05	0.01*
28	0.01	0.01	0.01	0.02	0.04	0.07	0.02	0.02	0.02	0.02	0.13	0.01*
29	0.01	0.02	0.01	0.02	—	0.07	0.02	0.02	0.02	0.02	0.10	0.01*
30	0.01	0.02	0.01	0.02	—	0.06	0.02	0.02	0.02	0.02	0.18	0.01*
31	0.01	—	0.02	0.02	—	0.05	—	0.02	—	0.02	0.12	—
Total	0.27	0.32	0.32	0.42	0.85	1.78	0.99	0.62	0.63	0.46	1.59	2.77
Mean	0.009	0.011	0.010	0.014	0.030	0.057	0.033	0.020	0.021	0.015	0.051	0.092
Max	0.01	0.02	0.02	0.02	0.04	0.08	0.05	0.02	0.03	0.02	0.18	0.27
Min	0	0	0	0	0.01	0.03	0.02	0.02	0.02	0.01	0.02	0.01
Ac-Ft	0.5	0.5	0.6	0.8	1.6	3.3	1.9	1.1	1.3	0.9	3.1	5.6

Wtr Year	2003	Total	11.02	Mean	0.030	Max	0.27	Min	0	Ac-Ft	21
Cal Year	2002	Total	6.65	Mean	0.018	Max	0.19	Min	0	Ac-Ft	12

*Estimated.

E2425 La Delfe above Pajarito

Location. Lat 35°51'25", long 106°19'56", Ramon Vigil Grant, Los Alamos County 0.25 mi west of Starmer's Gulch and Pajarito Canyon and 0.75 mi south of LANL TA-22, building 91.

Drainage Area. 0.53 mi^2.

Period of Record. June 1, 2000, to September 30, 2003.

Gage. Data logger with cellular telemetry and 90° sharp crested weir. Elevation of gage is 7,340 ft above *National Geodetic Vertical Datum of 1929*, from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 6.6 ft^3/s, June 21, 2002, gage height 1.91 ft; maximum gage height recorded 2.01 ft, January 4, 2002 (ice jam); no flow at times.

Extremes for Current Year. Maximum discharge 0.16 ft^3/s at 1145 hrs, April 15, gage height 0.89 ft. No flow at times.

E2425 La Delfe above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.03	0.01	0.02	0.01*	0.01	0.03	0.03*	0	0	0	0.03
2	0.01	0.03	0.01	0.02	0.01*	0.02	0.03	0.03*	0	0	0.01	0.03
3	0.01	0.02	0.01	0.02	0.01*	0.01*	0.03	0.02*	0	0	0.01	0.03
4	0.01	0.02	0.01	0.02	0.01*	0.01	0.03	0.02*	0	0	0.01	0.03
5	0.01	0.02	0.01	0.02	0.02*	0.01	0.03	0.01*	0	0	0.01	0.03
6	0.01	0.02	0.01	0.02	0.02*	0.01	0.03	0.01*	0	0	0.01	0.03
7	0.01	0.02	0.01	0.01*	0.02*	0.01	0.03	0.02*	0	0	0.01	0.03
8	0.01	0.02	0.01	0.02	0.02*	0.01	0.03	0*	0	0	0.01	0.04
9	0.01	0.04	0.01	0.02	0.01*	0.01	0.03	0*	0	0	0.01	0.04
10	0.01	0.04	0.01	0.01	0.01*	0.01	0.03	0.03*	0	0.01	0.01	0.04
11	0.01	0.03	0.01	0.01	0.01*	0.01	0.03	0.02*	0	0.01	0.03	0.04
12	0.01	0.03	0.01	0.01	0.02*	0.01	0.04	0.02*	0	0.01	0.03	0.04
13	0.01	0.03	0.01	0.02	0.02	0.01	0.06	0.03*	0	0.01	0.03	0.04
14	0.01	0.03	0.01	0.02	0.01	0.02	0.11	0.01*	0	0.01	0.03	0.04
15	0.01	0.03	0.01	0.01	0.01	0.02	0.11	0.01*	0	0	0.03	0.03
16	0.01	0.03	0.01	0.01	0.01	0.02	0.12	0.01*	0	0	0.03	0.03
17	0.01	0.03	0.01	0.01	0.01	0.02*	0.11	0.01*	0	0	0.03	0.03
18	0.01	0.03	0.01	0.01	0.01	0.01*	0.10	0.01*	0	0	0.03	0.03
19	0.01	0.03	0.01	0.02	0.01	0.02*	0.12	0.01*	0	0	0.03	0.03
20	0.01	0.02	0.02	0.01	0.02	0.02*	0.11	0*	0	0	0.03	0.02
21	0.01	0.02	0.02	0.01	0.01	0.01*	0.11	0*	0	0	0.03	0.02
22	0.01	0.02	0.02	0.02	0.01	0.01*	0.04	0*	0	0	0.03	0.02
23	0.02	0.02	0.02	0.02	0.01	0.01*	0.03	0	0	0	0.03	0.01
24	0.03	0.01	0.02	0.01	0.01	0.01*	0.03	0	0	0	0.03	0.01
25	0.02	0.01	0.02	0.01	0.01	0.01*	0.03	0	0	0	0.03	0.01
26	0.02	0.01	0.02	0.01	0.01	0.01*	0.03	0	0	0.01	0.03	0.01
27	0.03	0.01	0.02	0.01	0.01	0.01*	0.03	0	0	0.01	0.03	0.01
28	0.03	0.01	0.02	0.01	0.01	0.01*	0.07	0	0	0	0.03	0.01
29	0.03	0.01	0.02	0.01	—	0.01*	0.09	0	0	0	0.03	0.01
30	0.03	0.01	0.02	0.01*	—	0.01*	0.08	0	0	0.01	0.03	0.01
31	0.03	—	0.02	0.01*	—	0.01*	—	0	—	0.01	0.03	—
Total	0.46	0.68	0.43	0.44	0.35	0.38	1.75	0.30	0	0.09	0.72	0.78
Mean	0.015	0.023	0.014	0.014	0.013	0.012	0.058	0.010	0	0.003	0.023	0.026
Max	0.03	0.04	0.02	0.02	0.02	0.02	0.12	0.03	0	0.01	0.03	0.04
Min	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0	0	0	0	0.01
Ac-Ft	0.9	1.3	0.9	0.8	0.7	0.8	3.3	0.6	0	0.2	1.3	1.6

Wtr Year	2003	Total	6.38	Mean	0.017	Max	0.12	Min	0	Ac-Ft	12
Cal Year	2002	Total	3.80	Mean	0.010	Max	0.32	Min	0	Ac-Ft	7.6

*Estimated.

E246 Threemile above Pajarito

Location. Lat 35°50'20", long 106°16'17", NW 1/4 SE 1/4, Ramon Vigil Grant, Los Alamos County, 0.05 mi northeast of TA-18, and 0.50 mi southeast of Pajarito Road.

Drainage Area. 1.53 mi^2.

Period of Record. October 1998 to September 30, 2003.

Gage. Data logger with cellular telemetry and 9-in. Parshall flume. Elevation of gage is 6,760 ft above *National Geodetic Vertical Datum of 1929*.

Remarks. Water discharge record good, except for estimated daily discharges, which are poor.

Average Discharge. 5 years, 0.005 ft^3/s, 3.6 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 73 ft^3/s, August 23, 2003, gage height 2.08 ft from floodmark. No flow most of time.

Extremes for Current Water Year. Maximum discharge 73 ft^3/s at 1455 hrs, August 23, gage height 2.08 ft from floodmark. No flow most of time.

E246 Threemile above Pajarito

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0.69	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	—	0	0	0	0	0	0	0
30	0	0	0	0	—	0	0	0	0	0	0	0
31	0	—	0	0	—	0	—	0	—	0	0	—
Total	0	0	0	0	0	0	0	0	0	0	0.69	0
Mean	0	0	0	0	0	0	0	0	0	0	0.022	0
Max	0	0	0	0	0	0	0	0	0	0	0.69	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	0	0	1.4	0

Wtr Year	2003	Total	0.69	Mean	0.002	Max	0.69	Min	0	Ac-Ft	1.4
Cal Year	2002	Total	0	Mean	0	Max	0	Min	0	Ac-Ft	0

E250 Pajarito above SR-4

Location. Lat 35°49'26.7", long 106°13'40.5", in Ramon Vigil Grant, Los Alamos County on left bank, 400 ft southeast of Pajarito Road, 0.40 mi upstream from NM State Highway 4, and 1.4 mi from White Rock, NM.

Drainage Area. 10.9 mi^2.

Period of Record. November 1993 to September 30, 2003.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,535 ft above *National Geodetic Vertical Datum of 1929,* from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Average Discharge. 9 years, 0.03 ft^3/s, 22 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 26 ft^3/s, June 22, 2002, gage height 3.86 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 0.20 ft^3/s at 0250 hrs, August 26, gage height 1.85 ft. No flow most of time.

E250 Pajarito above SR-4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0.04	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	—	0	0	0	0	0	0	0
30	0	0	0	0	—	0	0	0	0	0	0	0
31	0	—	0	0	—	0	—	0	—	0	0	—
Total	0	0	0	0	0	0	0	0	0	0	0.04	0
Mean	0	0	0	0	0	0	0	0	0	0	0.001	0
Max	0	0	0	0	0	0	0	0	0	0	0.04	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	0	0	0.08	0

Wtr Year	2003	Total	0.04	Mean	0	Max	0.04	Min	0	Ac-Ft	0.08
Cal Year	2002	Total	2.73	Mean	0.008	Max	2.6	Min	0	Ac-Ft	5.4

E262 Cañon de Valle above Water

Location. Lat 35°49'52", long 106°18'14", in Ramon Vigil Grant, Los Alamos County, on right bank 200 ft above confluence with Water Canyon, 1.6 mi upstream from E262.5 and 4.2 mi upstream from NM State Highway 4.

Drainage Area. 4.14 mi^2.

Period of Record. October 1998 to September 30, 2003.

Gage. Data logger with cellular telemetry and 90° weir plate. Elevation of gage is 6,840 ft above *National Geodetic Vertical Datum of 1929*.

Remarks. Records good, except for estimated daily discharges, which are poor.

Extremes for Period of Record. Maximum discharge 32 ft^3/s, June 22, 2002, gage height 3.65 ft. No flow most of time.

Extremes for Current Water Year. Maximum discharge 26 ft^3/s at 1420 hrs, August 23, gage height 3.52 ft. No flow most of time.

E262 Canon de Valle above Water

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0*	0	0	0	0	0	0	0	0	0	0	0
4	0*	0	0	0	0	0	0	0	0	0	0	0
5	0*	0	0	0	0	0	0	0	0	0	0	0
6	0*	0	0	0	0	0	0	0	0	0	0	0
7	0*	0	0	0	0	0	0	0	0	0	0	0
8	0*	0	0	0	0	0	0	0	0	0	0	0
9	0*	0	0	0	0	0	0	0	0	0	0	0.01
10	0*	0	0	0	0	0	0	0	0	0	0	0
11	0*	0	0	0	0	0	0	0	0	0	0	0
12	0*	0	0	0	0	0	0	0	0	0	0	0
13	0*	0	0	0	0	0	0	0	0	0	0	0
14	0*	0	0	0	0	0	0	0	0	0	0	0
15	0*	0	0	0	0	0	0	0	0	0	0	0
16	0*	0	0	0	0	0	0	0	0	0	0	0
17	0*	0	0	0	0	0	0	0	0	0	0	0
18	0*	0	0	0	0	0	0	0	0	0	0	0
19	0*	0	0	0	0	0	0	0	0	0	0	0
20	0*	0	0	0	0	0	0	0	0	0	0*	0
21	0*	0	0	0	0	0	0	0	0	0	0*	0
22	0*	0	0	0	0	0	0	0	0	0	0	0
23	0*	0	0	0	0	0	0	0	0	0	0.45	0
24	0	0	0	0	0	0	0	0	0	0	0.02	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	—	0	0	0	0	0	0	0
30	0	0	0	0	—	0	0	0	0	0*	0	0
31	0	—	0	0	—	0	—	0	—	0*	0	—
Total	0	0	0	0	0	0	0	0	0	0	0.47	0.01
Mean	0	0	0	0	0	0	0	0	0	0	0.015	0
Max	0	0	0	0	0	0	0	0	0	0	0.45	0.01
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	0	0	0.9	0.02

Wtr Year	2003	Total	0.48	Mean	0.001	Max	0.45	Min	0	Ac-Ft	1
Cal Year	2002	Total	1.35	Mean	0.004	Max	0.75	Min	0	Ac-Ft	2.7

*Estimated.

E2625 Water below MDA-AB

Location. Lat 35°49'31", long 106°17'03", in Ramon Vigil Grant, Los Alamos County, on left bank 1.6 mi downstream from E262, 2.6 mi upstream from NM State Highway 4, and 4.6 mi northeast of Pajarito Road junction.

Drainage Area. 11.3 mi^2.

Period of Record. May 1 to September 30, 2003.

Gage. Data logger with cellular telemetry and 90° weir plate. Elevation of gage is 6,580 ft above *National Geodetic Vertical Datum of 1929.*

Remarks. Records poor.

Extremes for Period of Record. Maximum discharge 53 ft^3/s, June 22, 2002, gage height 3.65 ft; no flow most of time.

Extremes for Current Water Year. Maximum discharge 11 ft^3/s at 1320 hrs, August 23, gage height, 2.51 ft. No flow most of time.

E2625 Water below MDA-AB

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0*	0
4	0	0	0	0	0	0	0	0	0	0*	0*	0
5	0	0	0	0	0	0	0	0	0	0	0*	0
6	0	0	0	0	0	0	0	0	0	0	0*	0
7	0	0	0	0	0	0	0	0	0	0	0*	0
8	0	0	0	0	0	0	0	0	0	0	0*	0
9	0	0	0	0	0	0	0	0	0	0*	0*	0
10	0	0	0	0	0	0	0	0	0	0	0*	0
11	0	0	0	0	0	0	0	0	0	0	0*	0
12	0	0	0	0	0	0	0	0	0	0	0*	0
13	0	0	0	0	0	0	0	0	0	0	0*	0
14	0	0	0	0	0	0	0	0	0	0	0*	0
15	0	0	0	0	0	0	0	0	0	0	0*	0
16	0	0	0	0	0	0	0	0	0	0	0*	0
17	0	0	0	0	0	0	0	0	0*	0	0*	0
18	0	0	0	0	0	0	0	0	0*	0	0*	0
19	0	0	0	0	0	0	0	0	0*	0	0*	0
20	0	0	0	0	0	0	0	0	0	0	0*	0
21	0	0	0	0	0	0	0	0	0*	0	0	0
22	0	0	0	0	0	0	0	0	0*	0	0	0
23	0*	0	0	0	0	0	0	0	0	0	0.18	0
24	0*	0	0	0	0	0	0	0	0	0	0	0
25	0*	0	0	0	0	0	0	0	0	0	0.10	0
26	0*	0	0	0	0	0	0	0	0	0	0	0
27	0*	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	—	0	0	0	0	0	0	0
30	0	0	0	0	—	0	0	0	0	0	0	0
31	0	—	0	0	—	0	—	0	—	0	0	—
Total	0	0	0	0	0	0	0	0	0	0	0.28	0
Mean	0	0	0	0	0	0	0	0	0	0	0.009	0
Max	0	0	0	0	0	0	0	0	0	0	0.18	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0	0	0	0.8	0

Wtr Year	2003	Total	0.28	Mean	0.001	Max	0.18	Min	0	Ac-Ft	0.6
Cal Year	2002	Total	2.62	Mean	0.007	Max	1.9	Min	0	Ac-Ft	5.1

*Estimated.

E267 Potrillo above SR-4

Location. Lat 35°48'48", long 106°14'00", in Ramon Vigil Grant, Los Alamos County, on left bank 0.25 mi upstream from NM State Highway 4 and 2.0 mi southwest of White Rock.

Drainage Area. 2.25 mi^2.

Period of Record. October 1993 to September 30, 2003.

Revised Records. LA-13551-PR (1998): Station number.

Gage. Data logger with cellular telemetry and concrete control. Elevation of gage is 6,458 ft above *National Geodetic Vertical Datum of 1929,* from GPS survey.

Remarks. Water discharge records good, except for estimated daily discharges, which are poor.

Average Discharge. 9 years, 0.004 ft^3/s, 2.9 acre-ft/yr.

Extremes for Period of Record. Maximum discharge 63 ft^3/s, August 29, 1995, gage height 2.70 ft (from slope-area determination). No flow most of time.

Extremes for Current Water Year. Maximum discharge 20 ft^3/s at 1650 hrs, May 26, gage height 1.95 ft. No flow most of time.

E267 Potrillo above SR-4

Daily Mean Discharge in Cubic Feet per Second

Water Year October 2002 to September 2003

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0*
9	0	0	0	0	0	0	0	0	0	0	0	0.87
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0.03	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	3.0	0
20	0	0	0	0	0	0	0	0	0	0	0*	0
21	0	0	0	0	0	0	0	0	0	0	0*	0
22	0	0	0	0	0	0	0	0	0	0	0*	0
23	0	0	0	0	0	0	0	0	0	0	0*	0
24	0	0	0	0	0	0	0	0	0	0	0*	0
25	0	0	0	0	0	0	0	0	0	0	1.0	0
26	0	0	0	0	0	0	0	0.28	0	0	2.3	0
27	0	0	0	0	0	0	0	0	0	0	0.07	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	—	0	0	0	0	0	0	0
30	0	0	0	0	—	0	0	0	0	0	0	0
31	0	—	0	0	—	0	—	0	—	0	0	—
Total	0	0	0	0	0	0	0	0.28	0	0	6.40	0.87
Mean	0	0	0	0	0	0	0	0.009	0	0	0.21	0.029
Max	0	0	0	0	0	0	0	0.28	0	0	3.0	0.87
Min	0	0	0	0	0	0	0	0	0	0	0	0
Ac-Ft	0	0	0	0	0	0	0	0.5	0	0	13	1.7

Wtr Year	2003	Total	7.55	Mean	0.021	Max	3.0	Min	0	Ac-Ft	15
Cal Year	2002	Total	0.30	Mean	0.001	Max	0.29	Min	0	Ac-Ft	0.6

*Estimated.

NPDES Form 2F Section VIII – Biological Toxicity Testing Data

There are no revisions to the contents of this section provided in Volume 1 of this application, submitted on December 20, 2004.

NPDES Form 2F Section IX – Contract Analysis Information

There are no revisions to the contents of this section provided in Volume 1 of this application, submitted on December 20, 2004.

Section III. Site Drainage Map

Table III-5. List of Additional Section III Maps

Subject	Map Number
Facility/Watershed	04-0100
E242	04-0100-32
E242.5	04-0100-31
E243	04-0100-34
E244	04-0100-35
E246	04-0100-38
E248	04-0100-41
E248.5	04-0100-40
E249	04-0100-43
E249.5	04-0100-42
E250	04-0100-44
E256	04-0100-47
E257	04-0100-48
E260	04-0100-49
E261	04-0100-50
E262	04-0100-52
E262.5	04-0100-51
E266	04-0100-56
E267	04-0100-57
E267.5	04-0100-59
E274	04-0100-58
E338	04-0100-60
E340	04-0100-61

Los Alamos National Laboratory
Solid Waste Management Unit (SWMU) Monitoring
Individual Storm Water Permit - Permit Application

Volume 4 – Form 2F Additional Maps

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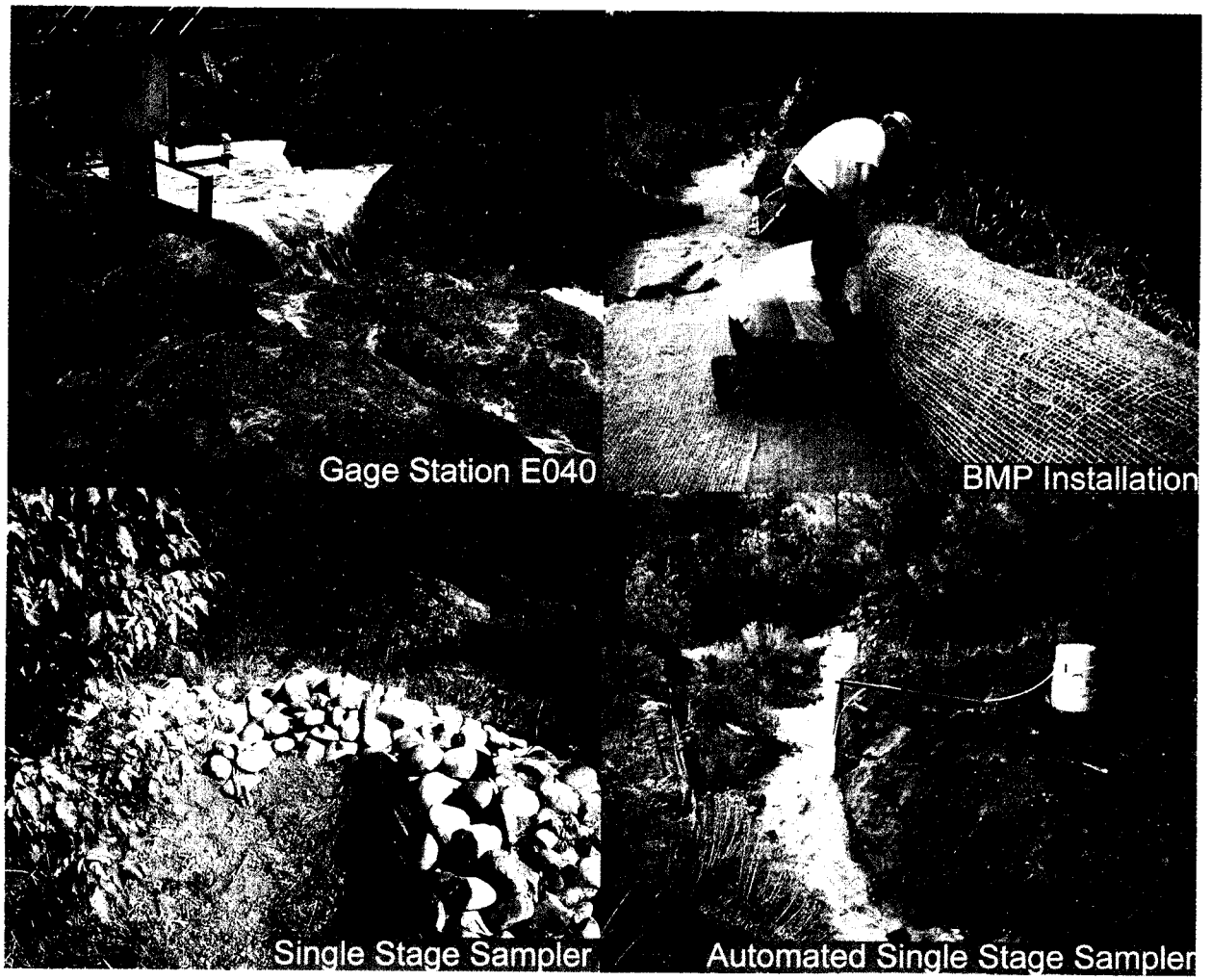


Prepared by: University of California, Los Alamos National Laboratory
Environmental Stewardship Division
Water Quality and Hydrology Group (ENV-WQH)
SMWU Specific Permit Application Team, Los Alamos, New Mexico.

February 2005

LA-UR-05-1337

Volume 4 – Site Maps

Introduction

Form 2F Section III Site Maps

National Pollutant Discharge Elimination System (NPDES) Form 2F Section III requests a site map showing the outline of drainage areas served by the outfall(s) covered in the application and additional site characteristics.

Additional data being provided for this section cannot be fully incorporated into the standard Form 2F Section III format. To best present the requested information and provide additional pertinent detail, maps are provided following the second tab "NPDES Form 2F, Section III Maps" of this binder.

The following maps are provided to address the levels of Site organization at Los Alamos National Laboratory (LANL).

- One (1) LANL facility/watershed map showing the locations of relevant gage stations, Sites that have an erosion matrix score greater than 40, and springs. The facility/watershed map has been modified from the previously submitted map (see Volume 2 of the December 31, 2004 submittal) by removal of gage station E247. Examination of detailed maps indicates that the E247 sub-basin does not contain any of the 324 Sites.

- Twenty-two (22) maps of Group 2 gage station sub-basins located in the Pajarito, Water/Canon de Valle, Ancho, and Chaquehui watersheds, showing the gage station location, the sub-basin boundaries, and the boundaries of the associated Sites and Site Monitoring Areas (SMAs). On each map, the drainage areas (in acres) of the gage station sub-basin and the SMAs are labeled.

The facility/watershed map provides the following information, as requested in Form 2F.

- Topography
- Gage station location
- Site boundaries
- Paved roads
- Springs
- Surface water bodies which receive storm water discharges

Additionally, the facility/watershed map includes the LANL boundary, Technical Area boundaries, and sub-watershed boundaries.

The gage station maps provide the following information, as requested in Form 2F.

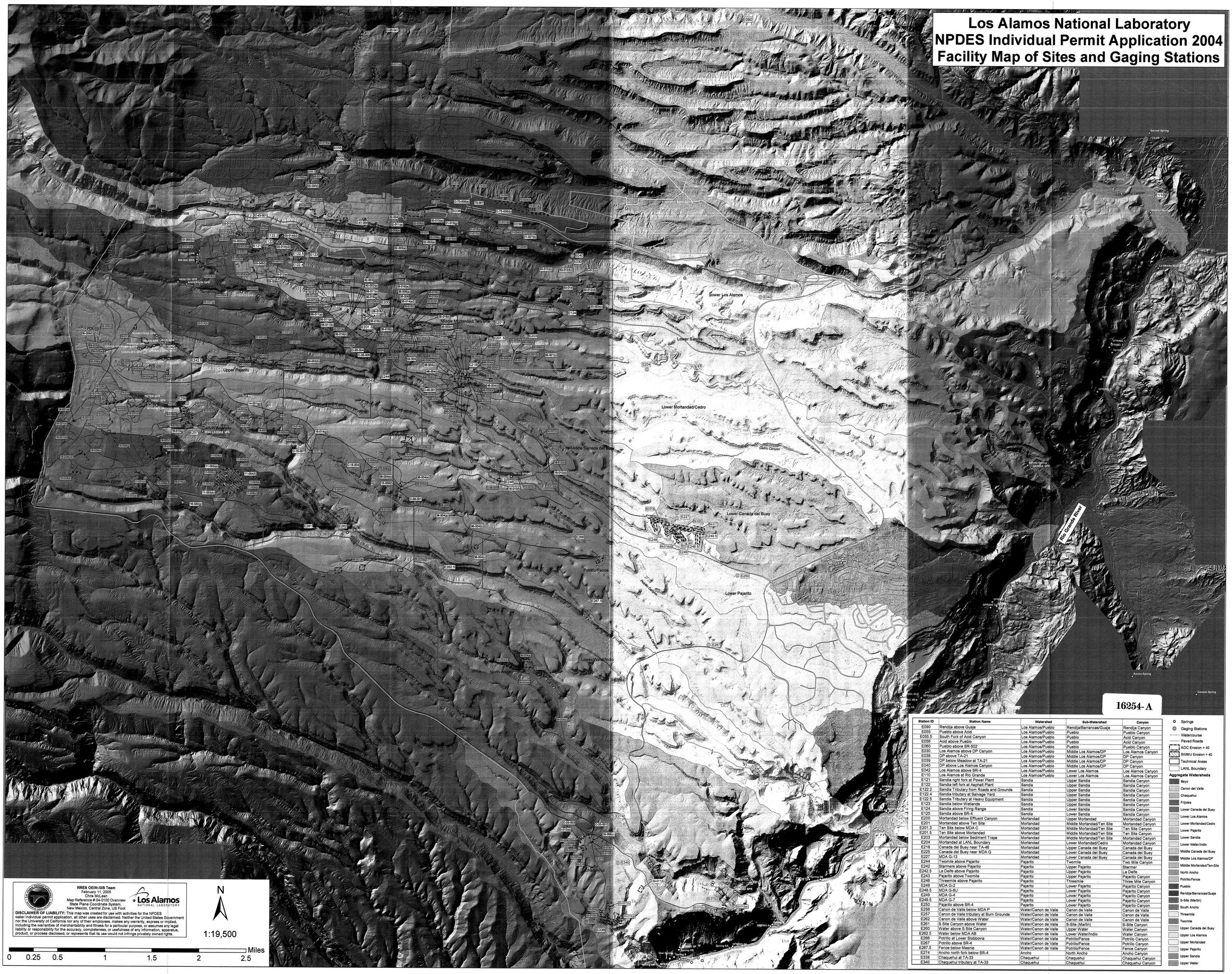
- Topography
- Gage station location

- Boundaries of associated SMAs and Sites
- Boundaries of drainage areas for gage stations and SMAs
- Table of all associated Sites (labeled as "PRS-ID") and erosion matrix score

The following Group 2 Sites and SMAs are not associated with a gage station, and are not shown on the gage station sub-basin maps. These Sites will be sampled with Single Stage Samplers. The statement "Drains to the Rio Grande" indicates that there are no gage stations downstream of these Sites.

33-010(a):	Drains to the Rio Grande.
33-010(b):	Drains to the Rio Grande.
33-010(d):	Drains to the Rio Grande.
33-011(b):	Drains to the Rio Grande.

Los Alamos National Laboratory
NPDES Individual Permit Application 2004
Facility Map of Sites and Gaging Stations



Station ID	Station Name	Watershed	Sub-Watershed	Canyon
E090	Rendija above Guaje	Los Alamos/Pueblo	Rendija/Barrancas/Guaje	Rendija Canyon
E055	Pueblo above Acid	Los Alamos/Pueblo	Pueblo	Pueblo Canyon
E055.5	South Fork of Acid Canyon	Los Alamos/Pueblo	Pueblo	Acid Canyon
E056	Acid above Pueblo	Los Alamos/Pueblo	Pueblo	Acid Canyon
E060	Pueblo above SR-502	Los Alamos/Pueblo	Pueblo	Pueblo Canyon
E030	Los Alamos above DP Canyon	Los Alamos/Pueblo	Middle Los Alamos/DP	Los Alamos Canyon
E038	DP above TA-21	Los Alamos/Pueblo	Middle Los Alamos/DP	DP Canyon
E039	DP below Meadow at TA-21	Los Alamos/Pueblo	Middle Los Alamos/DP	DP Canyon
E040	DP above Los Alamos Canyon	Los Alamos/Pueblo	Middle Los Alamos/DP	DP Canyon
E042	Los Alamos above SR-4	Los Alamos/Pueblo	Lower Los Alamos	Los Alamos Canyon
E110	Los Alamos at Rio Grande	Los Alamos/Pueblo	Lower Los Alamos	Los Alamos Canyon
E121	Sandia right fork at Power Plant	Sandia	Upper Sandia	Sandia Canyon
E122	Sandia left fork at Asphalt Plant	Sandia	Upper Sandia	Sandia Canyon
E122.2	Sandia Tributary from Roads and Grounds	Sandia	Upper Sandia	Sandia Canyon
E122.4	Sandia tributary at Salvage Yard	Sandia	Upper Sandia	Sandia Canyon
E122.5	Sandia Tributary at Heavy Equipment	Sandia	Upper Sandia	Sandia Canyon
E123	Sandia below Wetlands	Sandia	Upper Sandia	Sandia Canyon
E124	Sandia above Firing Range	Sandia	Lower Sandia	Sandia Canyon
E125	Sandia above SR-4	Sandia	Lower Sandia	Sandia Canyon
E200	Mortandad below Effluent Canyon	Mortandad	Upper Mortandad	Mortandad Canyon
E201	Mortandad above Ten Site	Mortandad	Middle Mortandad/Ten Site	Mortandad Canyon
E201.3	Ten Site below MDA C	Mortandad	Middle Mortandad/Ten Site	Ten Site Canyon
E201.5	Ten Site above Mortandad	Mortandad	Middle Mortandad/Ten Site	Ten Site Canyon
E203	Mortandad below Sediment Traps	Mortandad	Middle Mortandad/Ten Site	Mortandad Canyon
E204	Mortandad at LANL Boundary	Mortandad	Lower Mortandad/Cedro	Mortandad Canyon
E218	Canada del Buey near TA-46	Mortandad	Upper Canada del Buey	Canada del Buey
E225	Canada del Buey near MDA G	Mortandad	Lower Canada del Buey	Canada del Buey
E227	MDA G-13	Mortandad	Lower Canada del Buey	Canada del Buey
E244	Twomile above Pajarito	Pajarito	Twomile	Two Mile Canyon
E242	Starmers above Pajarito	Pajarito	Upper Pajarito	Starmer
E242.5	La Delfe above Pajarito	Pajarito	Upper Pajarito	La Delfe
E243	Pajarito above Twomile	Pajarito	Upper Pajarito	Pajarito Canyon
E246	Threemile above Pajarito	Pajarito	Threemile	Three Mile Canyon
E248	MDA G-2	Pajarito	Lower Pajarito	Pajarito Canyon
E248.5	MDA G-6U	Pajarito	Lower Pajarito	Pajarito Canyon
E249	MDA G-4	Pajarito	Lower Pajarito	Pajarito Canyon
E249.5	MDA G-7	Pajarito	Lower Pajarito	Pajarito Canyon
E250	Pajarito above SR-4	Pajarito	Lower Pajarito	Pajarito Canyon
E256	Canon de Valle below MDA P	Water/Canon de Valle	Canon de Valle	Canon de Valle
E257	Canon de Valle tributary at Burn Grounds	Water/Canon de Valle	Canon de Valle	Canon de Valle
E262	Canon de Valle above Water	Water/Canon de Valle	Canon de Valle	Canon de Valle
E261	S Site Canyon above Water	Water/Canon de Valle	S-Site (Martin)	S-Site Canyon
E260	Water above S Site Canyon	Water/Canon de Valle	Upper Water	Water Canyon
E262.5	Water below MDA AB	Water/Canon de Valle	Lower Water/Indio	Water Canyon
E266	Potrillo at Lower Slobbovia	Water/Canon de Valle	Potrillo/Fence	Potrillo Canyon
E267	Potrillo above SR-4	Water/Canon de Valle	Potrillo/Fence	Potrillo Canyon
E267.5	Fence below Meenie	Water/Canon de Valle	Potrillo/Fence	Fence Canyon
E274	Ancho north fork below SR-4	Ancho	North Ancho	Ancho Canyon
E338	Chaquehui at TA-33	Chaquehui	Chaquehui	Chaquehui Canyon
E340	Chaquehui tributary at TA-33	Chaquehui	Chaquehui	Chaquehui Canyon

- Springs
- Gaging Stations
- Watercourse
- Paved Roads
- AOC Erosion > 40
- SWMU Erosion > 40
- Technical Areas
- LANL Boundary

Aggregate Watersheds

- Bayo
- Canon del Valle
- Chaquehui
- Frijoles
- Lower Canada del Buey
- Lower Los Alamos
- Lower Mortandad/Cedro
- Lower Pajarito
- Lower Sandia
- Lower Water/Indio
- Middle Canada del Buey
- Middle Los Alamos/DP
- Middle Mortandad/Ten-Site
- North Ancho
- Potrillo/Fence
- Pueblo
- Rendija/Barrancas/Guaje
- S-Site (Martin)
- South Ancho
- Threemile
- Twomile
- Upper Canada del Buey
- Upper Los Alamos
- Upper Mortandad
- Upper Pajarito
- Upper Sandia
- Upper Water

RRES OEIM-GIS Team
February 11, 2005
Chris McLean
Map Reference # 04-0100 Overview
State Plane Coordinate System,
New Mexico, Central Zone, US Foot

Los Alamos NATIONAL LABORATORY

DISCLAIMER OF LIABILITY: This map was created for use with activities for the NPDES water individual permit application, all other uses are disclaimed. Neither the United States Government nor the University of California nor any of their employees, makes any warranty, express or implied, including the warranties of merchantability and fitness for a particular purpose, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.

N

1:19,500

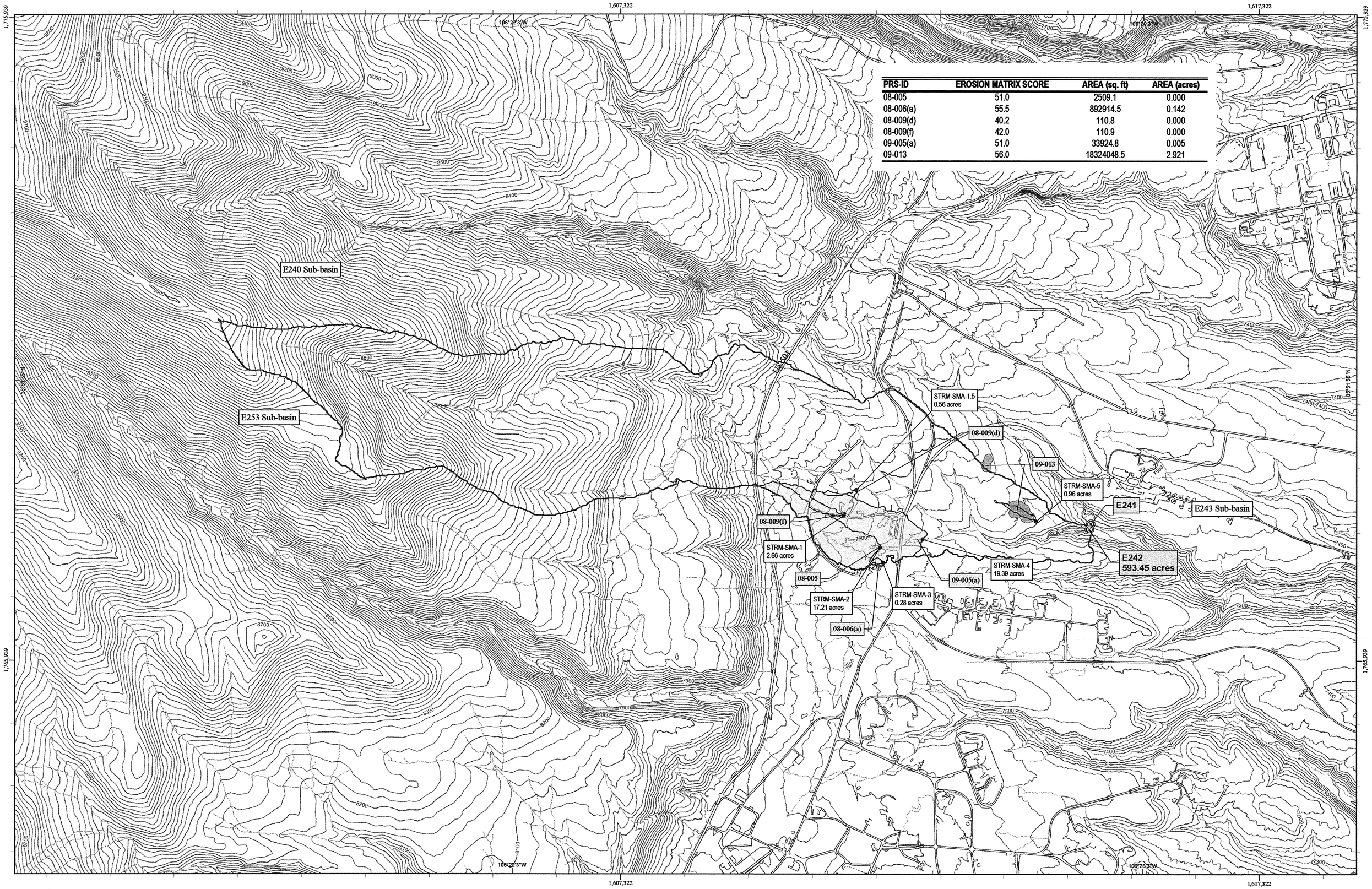
0 0.25 0.5 1 1.5 2 2.5 Miles

GAGE STATION E242

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-B

PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
08-005	51.0	2509.1	0.000
08-006(a)	55.5	892914.5	0.142
08-009(d)	40.2	110.8	0.000
08-009(f)	42.0	110.9	0.000
09-005(a)	51.0	33924.8	0.005
09-013	56.0	18324048.5	2.921



Los Alamos NATIONAL LABORATORY
EST. 1943
The World's Greatest Science Protecting America

RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 10, 2005
Map Reference # 04-0100-32

DISCLAIMER: This cartographic product is intended for use in the Individual Permit Application Project for stormwater discharges as required by the Clean Water Act. All other uses for this map are disclaimed. Maps represent technical figures and provide supplemental information to the application materials. Data represent the most recent and applicable information available. For information on data quality, fitness for use, and limited liability, refer to metadata and appropriate technical documents on file at Los Alamos National Laboratory.

LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 340 680 1,360 2,040 2,720 3,400 4,080
Feet

0 140 280 560 840 1,120
Meters

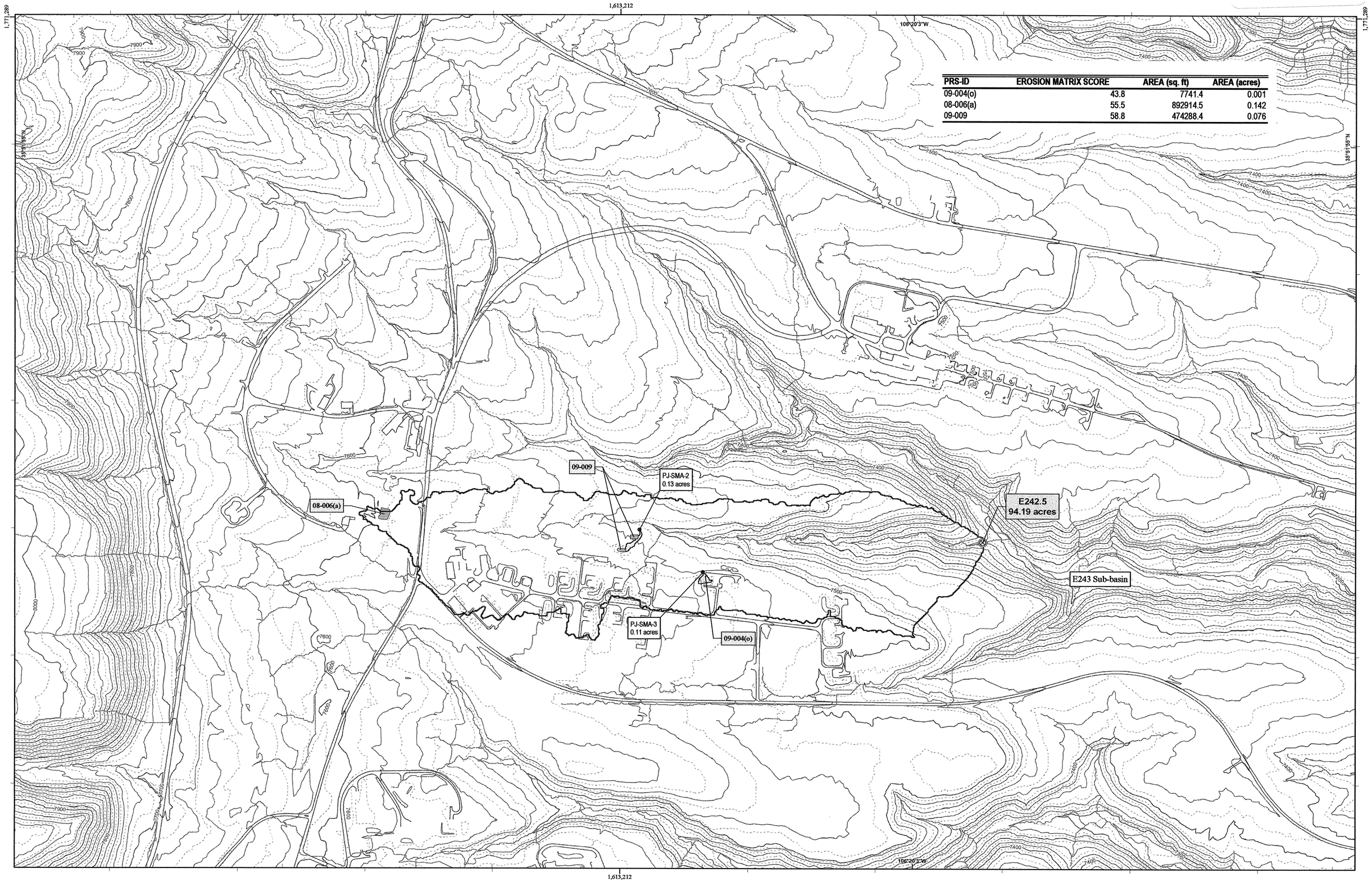
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E242.5

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-C



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
09-004(o)	43.8	7741.4	0.001
08-006(a)	55.5	892914.5	0.142
09-009	58.8	474288.4	0.076

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 10, 2005
Map Reference # 04-0100-31

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:6,000

0 170 340 680 1,020 1,360 1,700 2,040
Feet

0 70 140 280 420 560
Meters

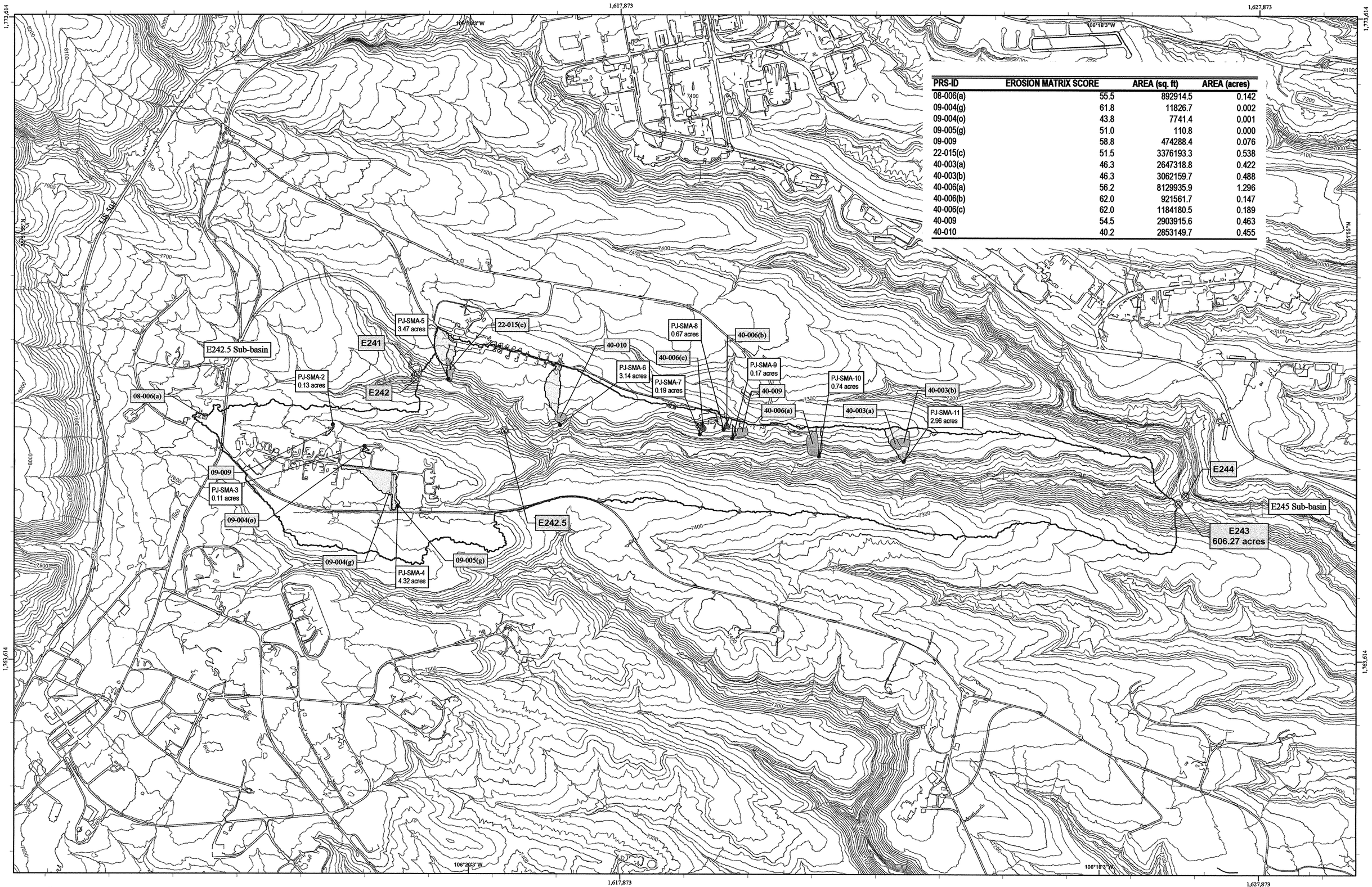
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E243

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-D



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
08-006(a)	55.5	892914.5	0.142
09-004(g)	61.8	11826.7	0.002
09-004(o)	43.8	7741.4	0.001
09-005(g)	51.0	110.8	0.000
09-009	58.8	474288.4	0.076
22-015(c)	51.5	3376193.3	0.538
40-003(a)	46.3	2647318.8	0.422
40-003(b)	46.3	3062159.7	0.488
40-006(a)	56.2	8129935.9	1.296
40-006(b)	62.0	921561.7	0.147
40-006(c)	62.0	1184180.5	0.189
40-009	54.5	2903915.6	0.463
40-010	40.2	2853149.7	0.455

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EST. 1943
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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 10, 2005
Map Reference # 04-0100-34

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LEGEND & DATA SOURCES

- **Monitor Station** — ss_sample_points (09/2004)
- **Gauge Station** — wqh_all_gage_pnt (09/2003)
- **Approx. Runoff Pathway** — wqh_watercourse_arc (09/2004)
- **SWMU Monitoring Area** — wqh_ffca_subwatersheds_ply (09/2004)
- **Sub-basin Boundary** — wqh_gagebasins_ply (09/2004)
- **Paved Road/Parking** — laco_street_arc (04/2004); paved_rds_ply (10/2003); paved_prking_ply (08/2002)
- **100-ft Contour** — lanl_contour1991_100_arc (1991)
- **20-ft Contour** — lanl_contour1991_020_arc (1991)
- **10-ft Contour** — lanl_contour1991_010_arc (1991)
- **2-ft Contour** — lanl_contour1991_002_arc (1991)
- **Solid Waste Management Unit Erosion Potential Score 40 - 60** — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)
- **Solid Waste Management Unit Erosion Potential Score > 60** — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 337.5 675 1,350 2,025 2,700 3,375 4,050
Feet

0 140 280 560 840 1,120
Meters

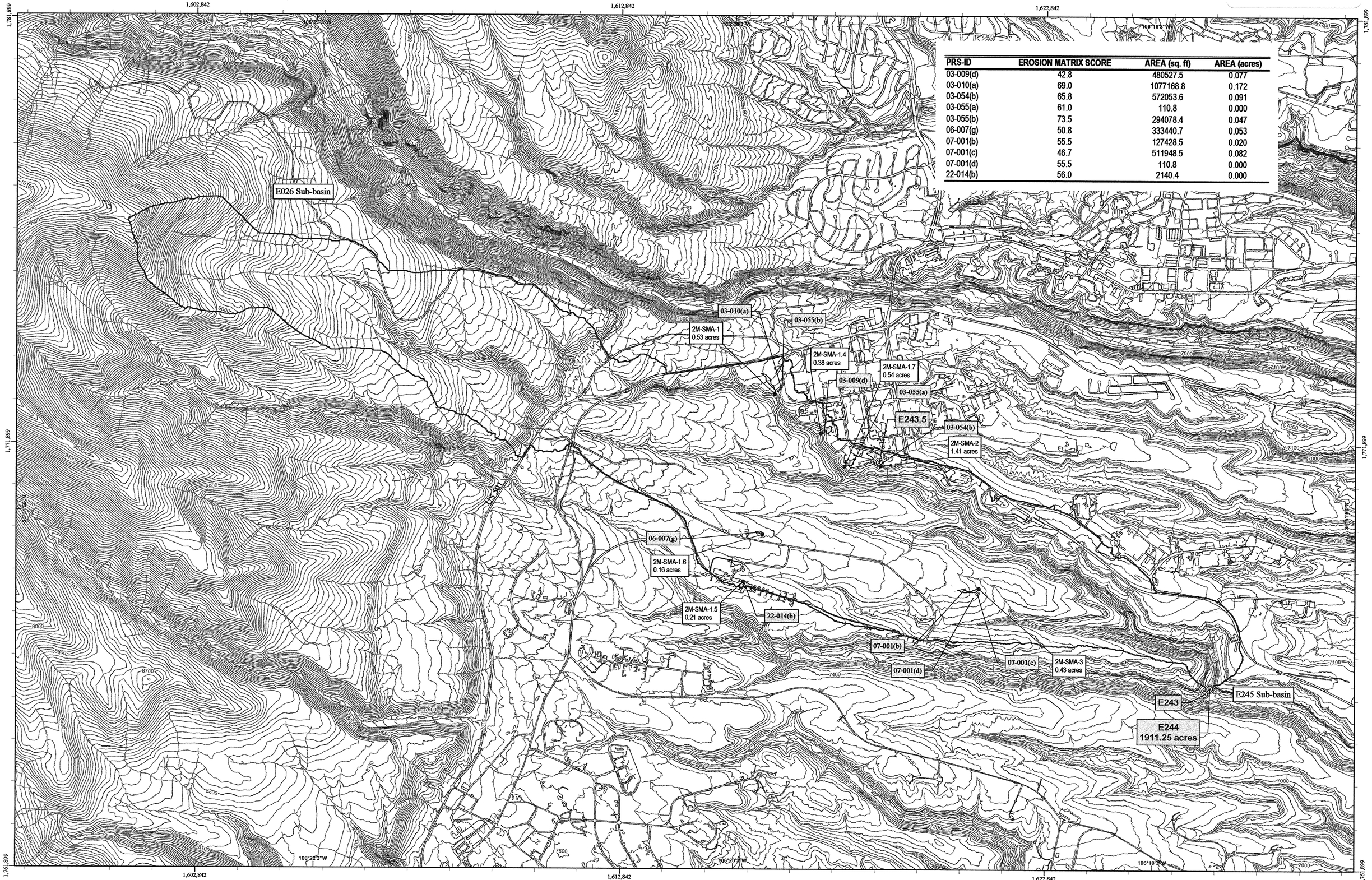
N

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

GAGE STATION E244

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-E



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
03-009(d)	42.8	480527.5	0.077
03-010(a)	69.0	1077168.8	0.172
03-054(b)	65.8	572053.6	0.091
03-055(a)	61.0	110.8	0.000
03-055(b)	73.5	294078.4	0.047
06-007(g)	50.8	333440.7	0.053
07-001(b)	55.5	127428.5	0.020
07-001(c)	46.7	511948.5	0.082
07-001(d)	55.5	110.8	0.000
22-014(b)	56.0	2140.4	0.000

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 10, 2005
Map Reference # 04-0100-35

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:18,000

0 500 1,000 2,000 3,000 4,000 5,000 6,000
Feet

0 210 420 840 1,260 1,680
Meters

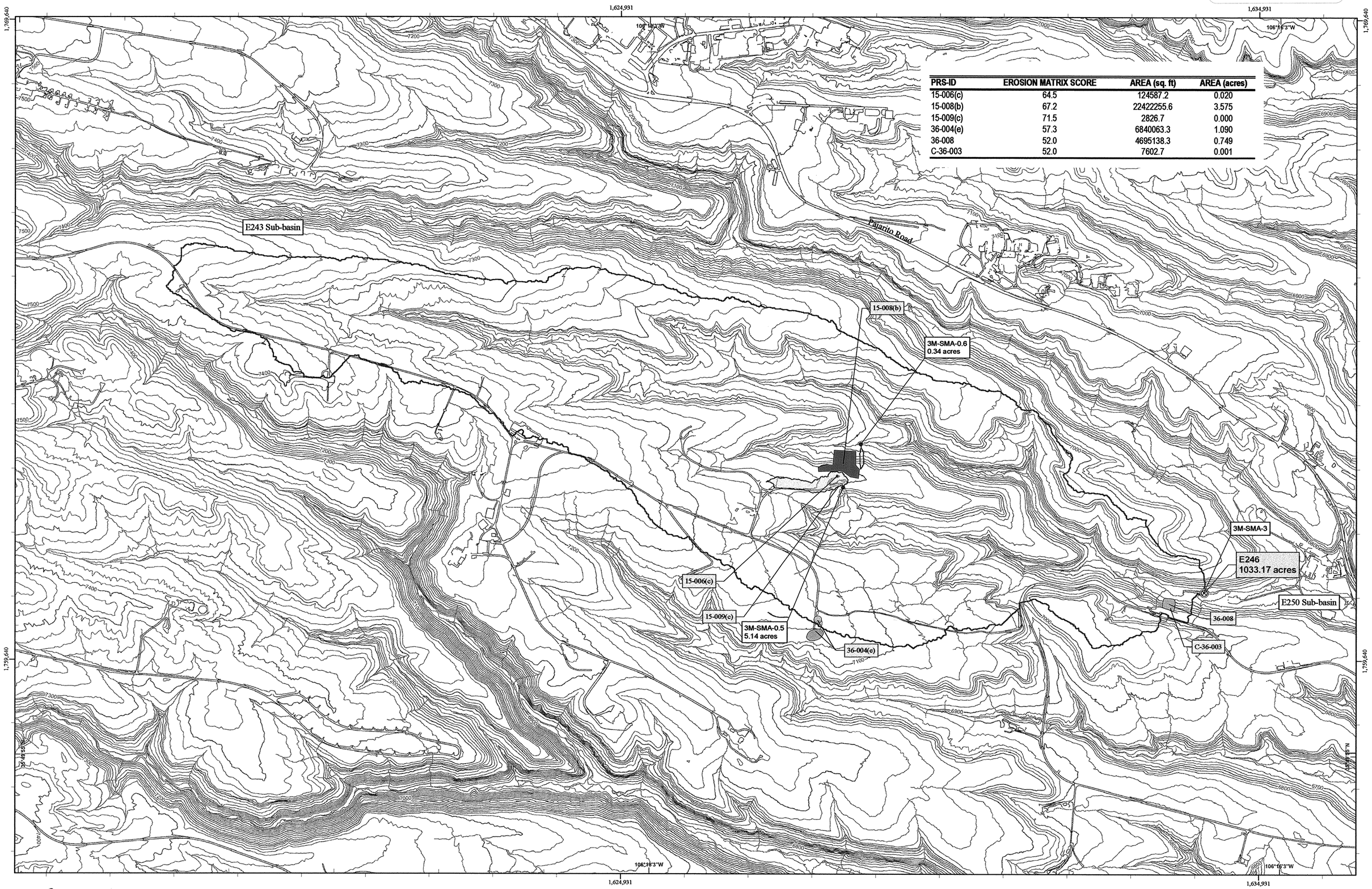
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E246

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-F



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
15-006(c)	64.5	124587.2	0.020
15-008(b)	67.2	22422255.6	3.575
15-009(c)	71.5	2826.7	0.000
36-004(e)	57.3	6840063.3	1.090
36-008	52.0	4695138.3	0.749
C-36-003	52.0	7602.7	0.001

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 27, 2005
Map Reference # 04-0100-38

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 340 680 1,360 2,040 2,720 3,400 4,080 Feet

0 140 280 560 840 1,120 Meters

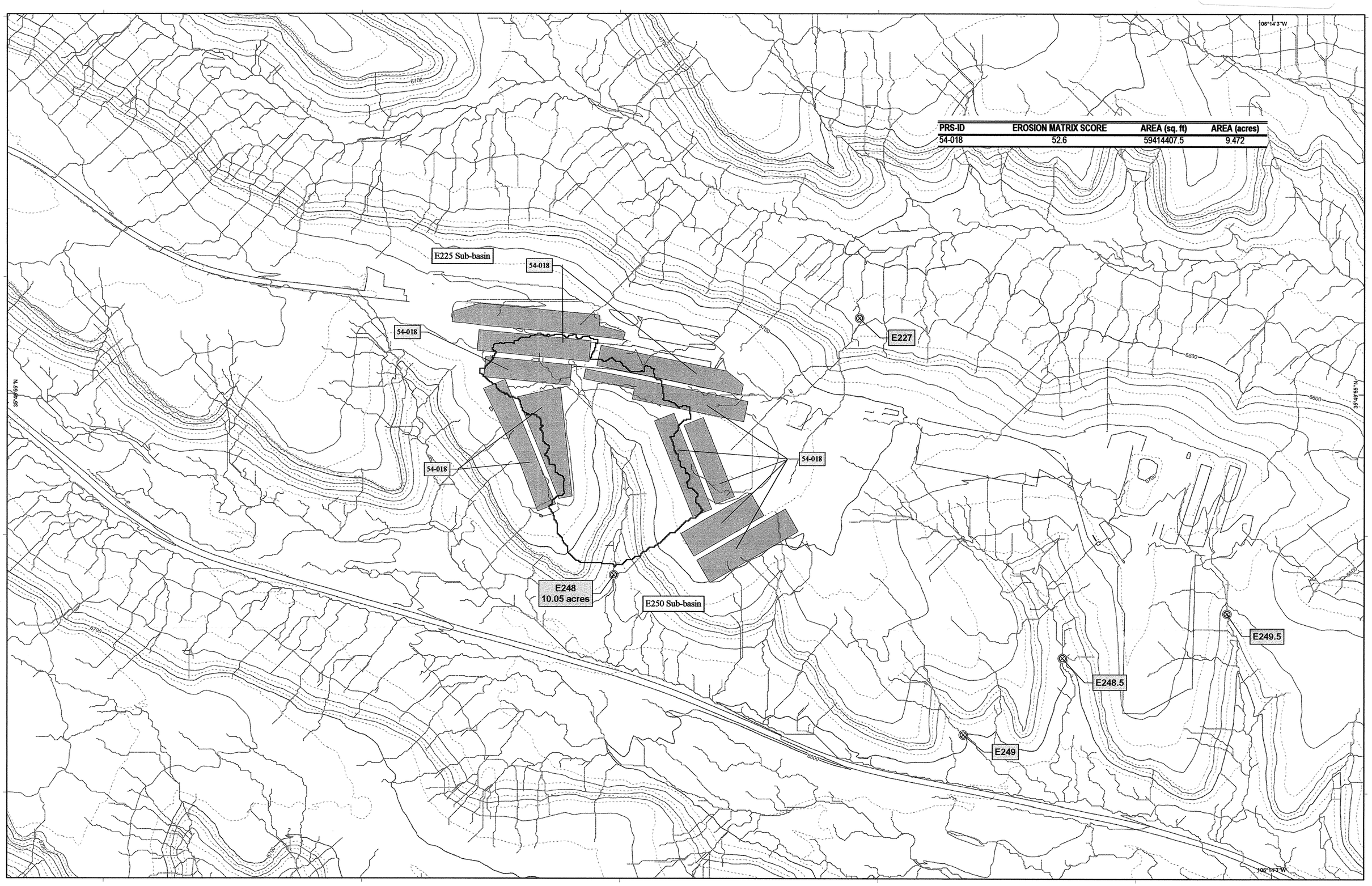
N

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

GAGE STATION E248

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-G



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
54-018	52.6	59414407.5	9.472

Los Alamos NATIONAL LABORATORY EST. 1943 — The World's Greatest Science Protecting America

RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 27, 2005
Map Reference # 04-0100-41

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:3,000

0 85 170 340 510 680 850 1,020 Feet

0 35 70 140 210 280 Meters

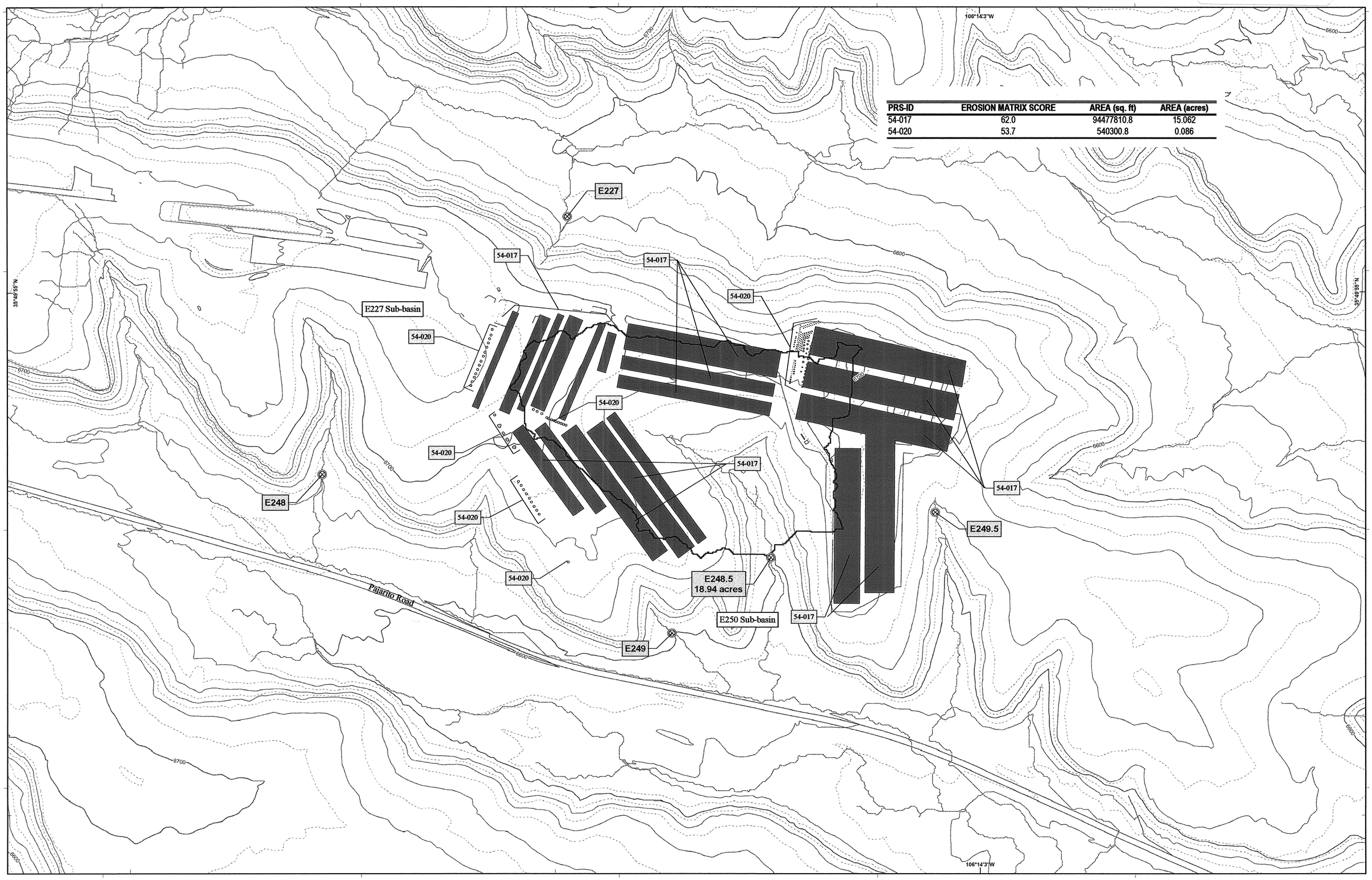
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E248.5

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-H



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
54-017	62.0	94477810.8	15.062
54-020	53.7	540300.8	0.086

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 27, 2005
Map Reference # 04-0100-40

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LEGEND & DATA SOURCES

- **Monitor Station** — ss_sample_points (09/2004)
- **Gauge Station** — wqh_all_gage_pnt (09/2003)
- **Approx. Runoff Pathway** — wqh_watercourse_arc (09/2004)
- **SWMU Monitoring Area** — wqh_ffca_subwatersheds_ply (09/2004)
- **Sub-basin Boundary** — wqh_gagebasins_ply (09/2004)
- **Paved Road/Parking** — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- **100-ft Contour** — lanl_contour1991_100_arc (1991)
- **20-ft Contour** — lanl_contour1991_020_arc (1991)
- **10-ft Contour** — lanl_contour1991_010_arc (1991)
- **2-ft Contour** — lanl_contour1991_002_arc (1991)
- **Solid Waste Management Unit Erosion Potential Score 40 - 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- **Solid Waste Management Unit Erosion Potential Score > 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:3,000

0 85 170 340 510 680 850 1,020 Feet

0 35 70 140 210 280 Meters

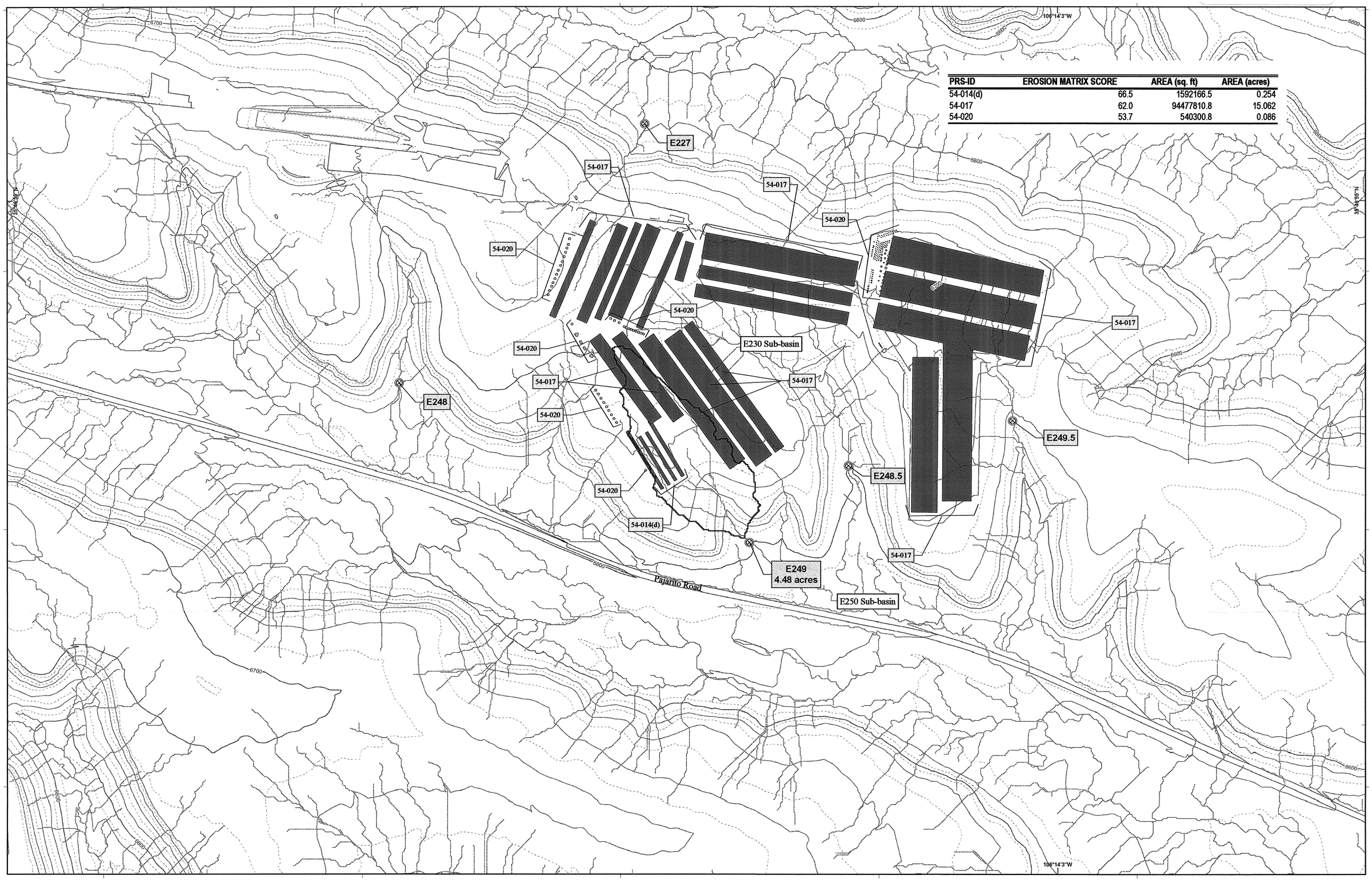
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E249

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-I



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
54-014(d)	66.5	1592166.5	0.254
54-017	62.0	94477810.8	15.062
54-020	53.7	540300.8	0.086

Los Alamos NATIONAL LABORATORY
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RRES-OEIM GIS TEAM
Produced by: Brad McKown
February 2, 2005
Map Reference # 04-0100-43

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LEGEND & DATA SOURCES

- **Monitor Station** — ss_sample_points (09/2004)
- **Gauge Station** — wqh_all_gage_pnt (09/2003)
- **Approx. Runoff Pathway** — wqh_watercourse_arc (09/2004)
- **SWMU Monitoring Area** — wqh_ffca_subwatersheds_ply (09/2004)
- **Sub-basin Boundary** — wqh_gagebasins_ply (09/2004)
- **Paved Road/Parking** — laco_street_arc (04/2004); paved_rds_ply (10/2003); paved_prking_ply (08/2002)
- **100-ft Contour** — lanl_contour1991_100_arc (1991)
- **20-ft Contour** — lanl_contour1991_020_arc (1991)
- **10-ft Contour** — lanl_contour1991_010_arc (1991)
- **2-ft Contour** — lanl_contour1991_002_arc (1991)
- **Solid Waste Management Unit Erosion Potential Score 40 - 60** — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)
- **Solid Waste Management Unit Erosion Potential Score > 60** — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)

SCALE : 1:3,000

0 85 170 340 510 680 850 1,020
Feet

0 35 70 140 210 280
Meters

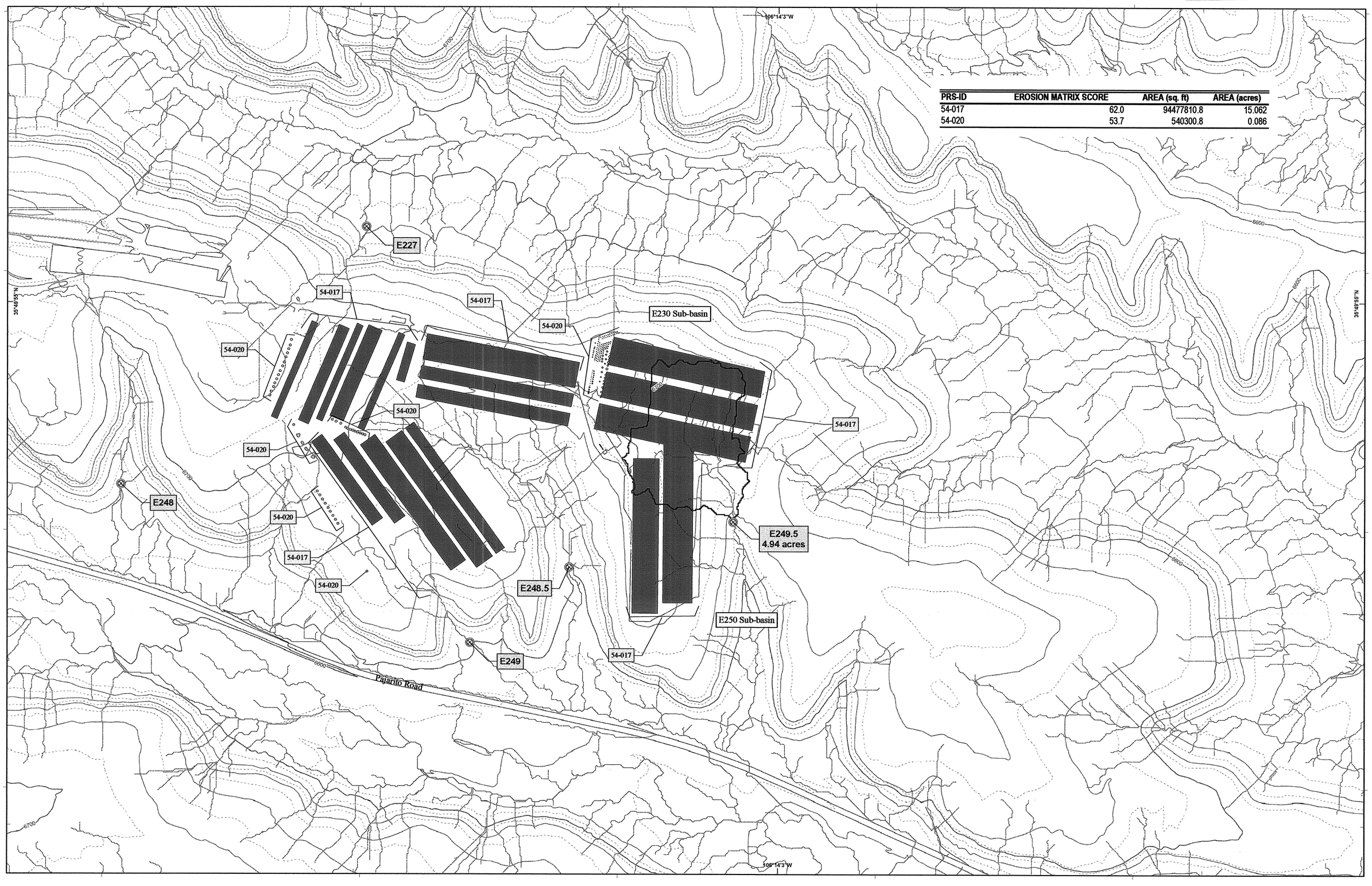
N

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

GAGE STATION E249.5

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-J



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
54-017	62.0	94477810.8	15.062
54-020	53.7	540300.8	0.086

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
February 2, 2005
Map Reference # 04-0100-42

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:3,000

0 85 170 340 510 680 850 1,020 Feet

0 35 70 140 210 280 Meters

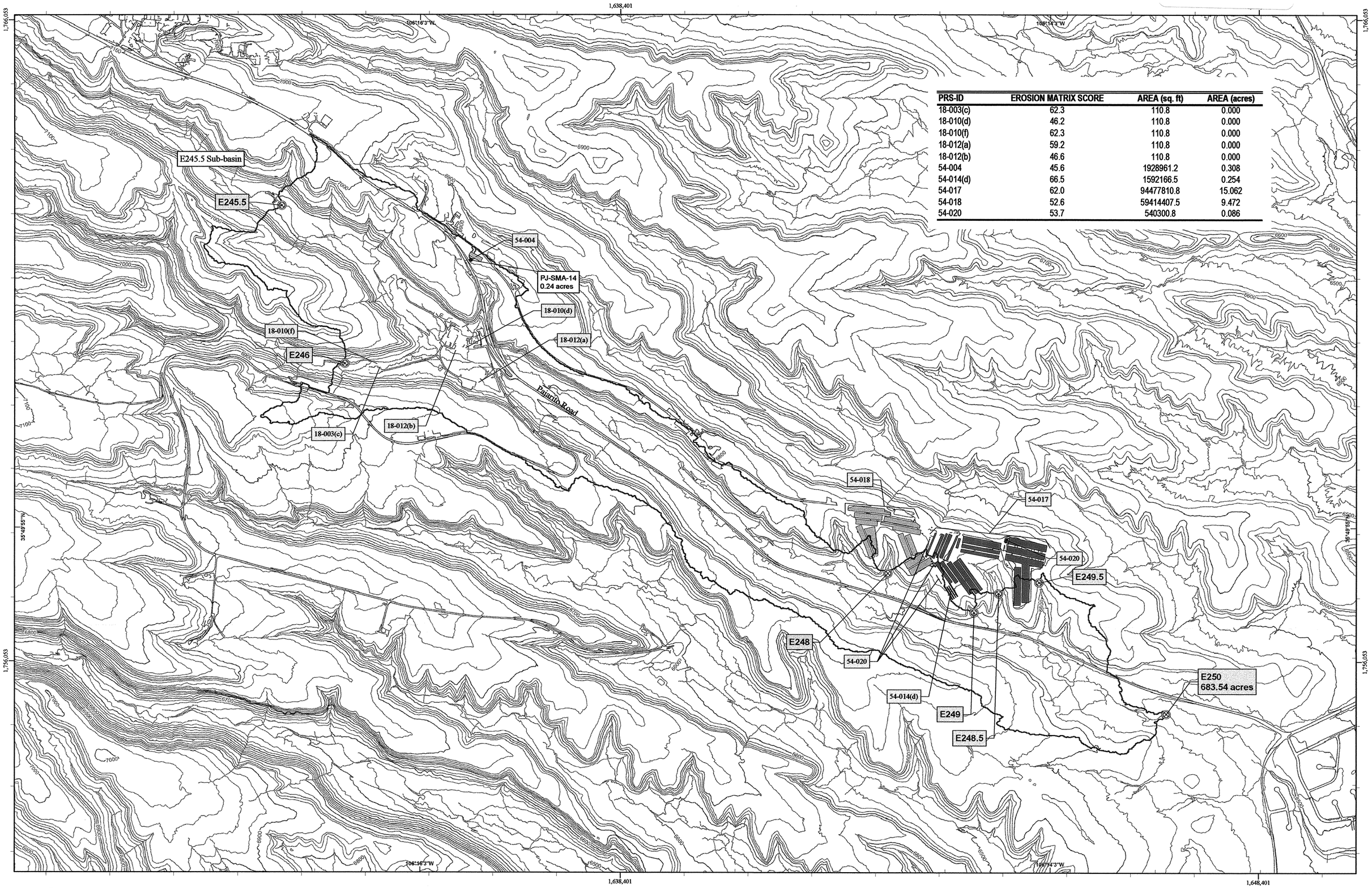
N

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

GAGE STATION E250

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-K



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
18-003(c)	62.3	110.8	0.000
18-010(d)	46.2	110.8	0.000
18-010(f)	62.3	110.8	0.000
18-012(a)	59.2	110.8	0.000
18-012(b)	46.6	110.8	0.000
54-004	45.6	1928961.2	0.308
54-014(d)	66.5	1592166.5	0.254
54-017	62.0	94477810.8	15.062
54-018	52.6	59414407.5	9.472
54-020	53.7	540300.8	0.086

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 27, 2005
Map Reference # 04-0100-44

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 340 680 1,360 2,040 2,720 3,400 4,080
Feet

0 137.5 275 550 825 1,100
Meters

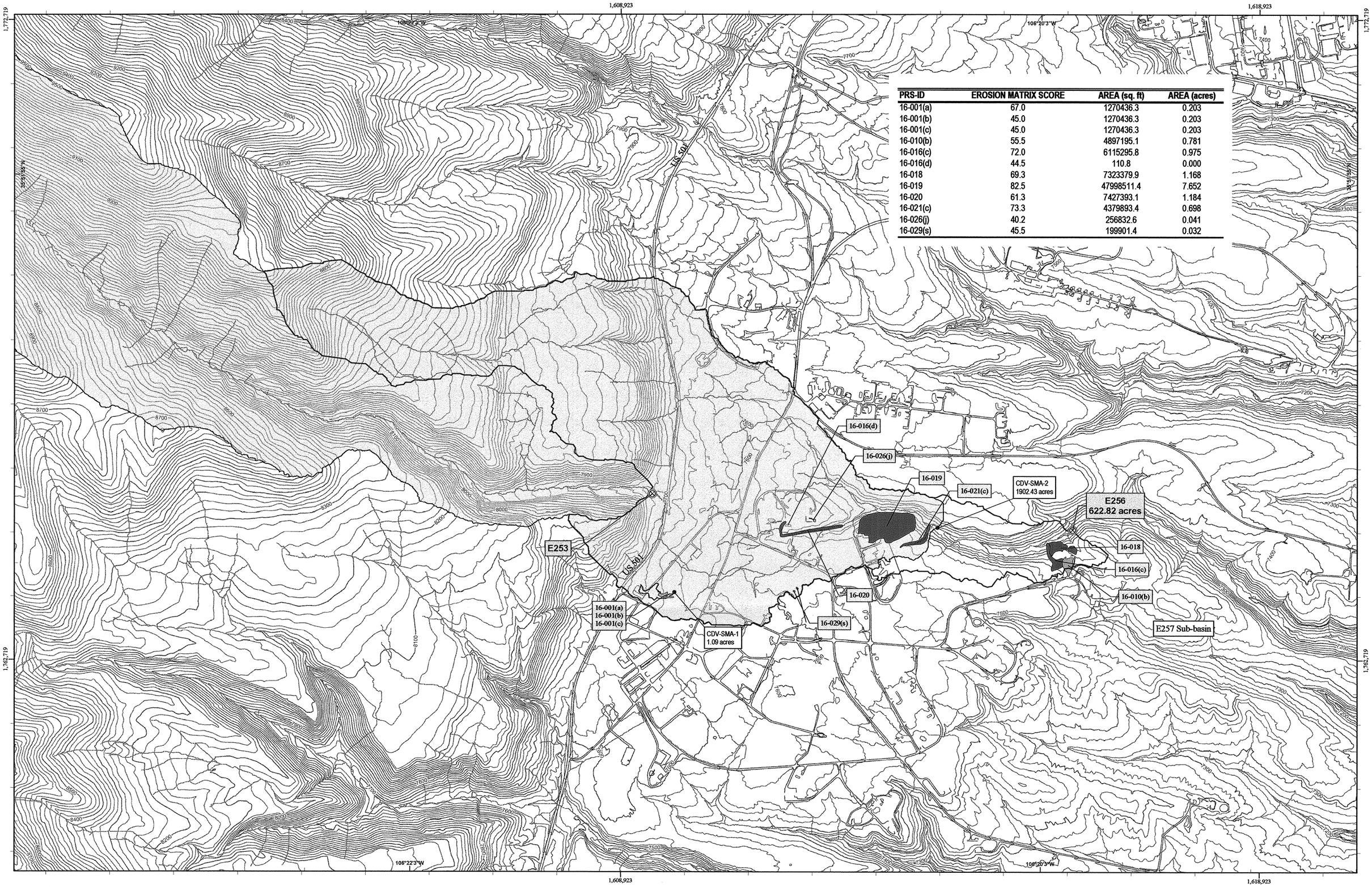
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E256

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-L



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
16-001(a)	67.0	1270436.3	0.203
16-001(b)	45.0	1270436.3	0.203
16-001(c)	45.0	1270436.3	0.203
16-010(b)	55.5	4897195.1	0.781
16-016(c)	72.0	6115295.8	0.975
16-016(d)	44.5	110.8	0.000
16-018	69.3	7323379.9	1.168
16-019	82.5	47998511.4	7.652
16-020	61.3	7427393.1	1.184
16-021(c)	73.3	4379893.4	0.698
16-026(j)	40.2	256832.6	0.041
16-029(s)	45.5	199901.4	0.032

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 12, 2005
Map Reference # 04-0100-47

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 335 670 1,340 2,010 2,680 3,350 4,020 Feet

0 140 280 560 840 1,120 Meters

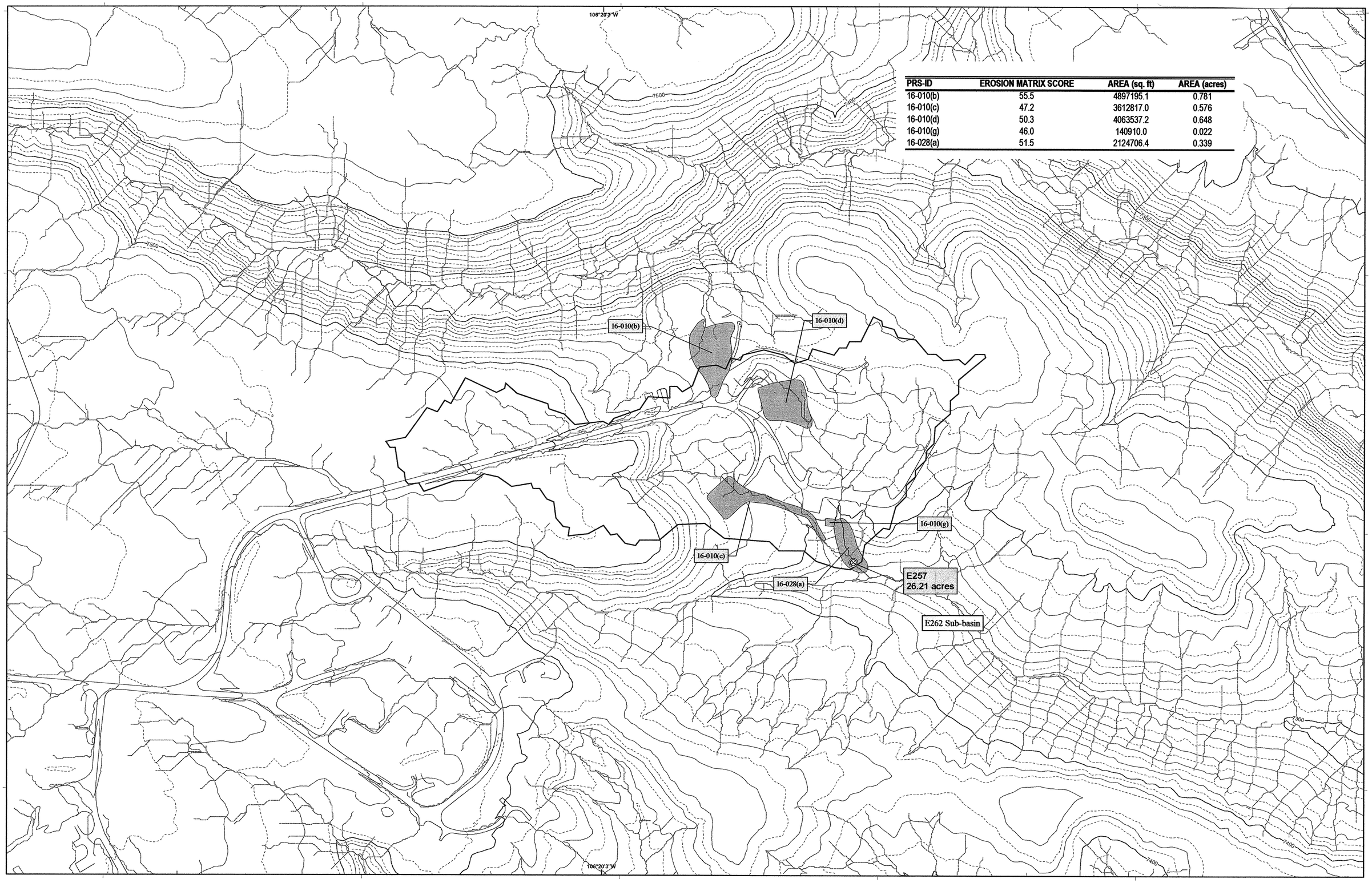
N

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

GAGE STATION E257

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-M



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
16-010(b)	55.5	4897195.1	0.781
16-010(c)	47.2	3612817.0	0.576
16-010(d)	50.3	4063537.2	0.648
16-010(g)	46.0	140910.0	0.022
16-028(a)	51.5	2124706.4	0.339

Los Alamos NATIONAL LABORATORY EST. 1943
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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 10, 2005
Map Reference # 04-0100-48

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:3,000

0 85 170 340 510 680 850 1,020 Feet

0 35 70 140 210 280 Meters

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

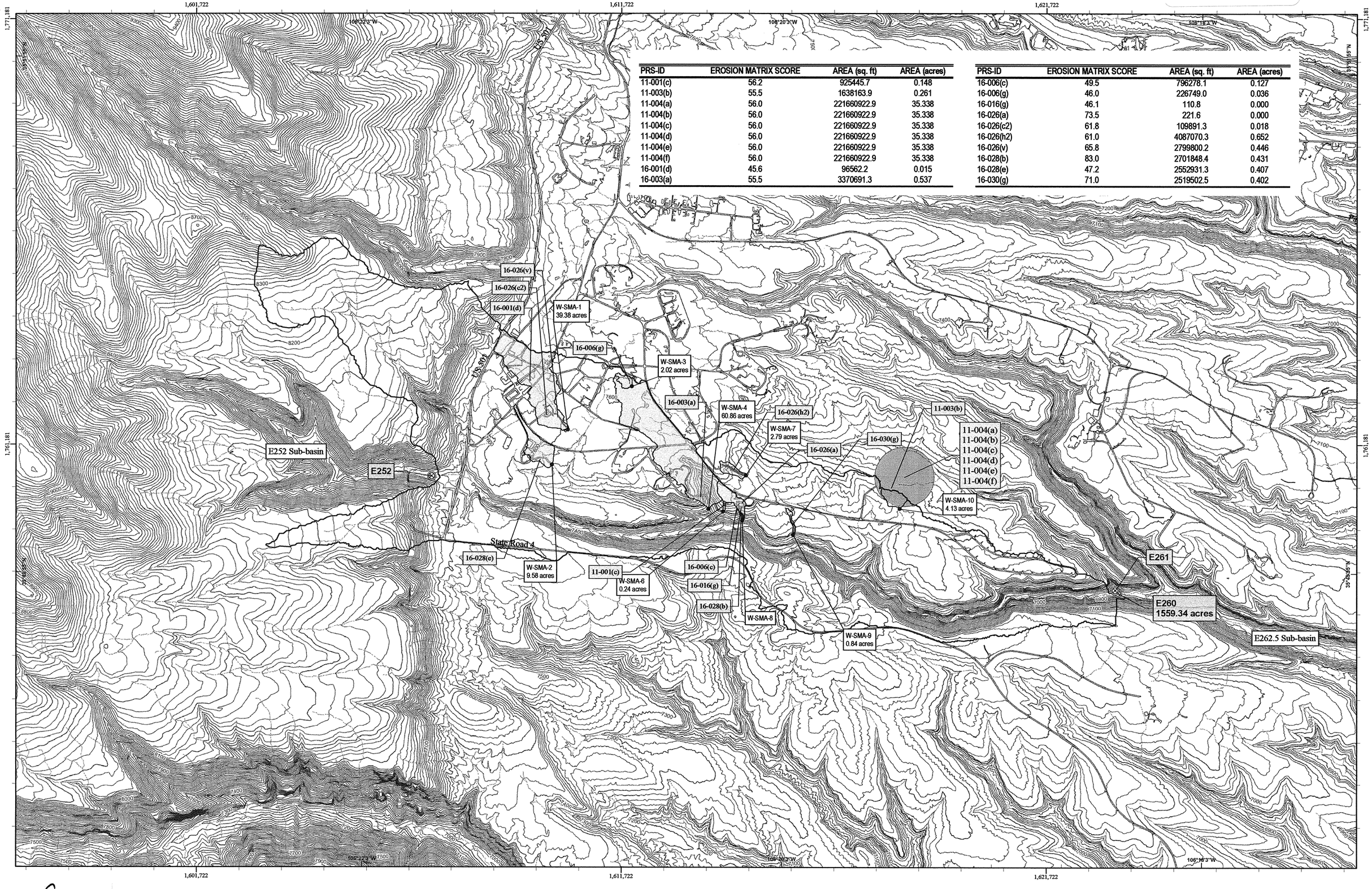
GAGE STATION E260

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-N

PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
11-001(c)	56.2	925445.7	0.148
11-003(b)	55.5	1638163.9	0.261
11-004(a)	56.0	221660922.9	35.338
11-004(b)	56.0	221660922.9	35.338
11-004(c)	56.0	221660922.9	35.338
11-004(d)	56.0	221660922.9	35.338
11-004(e)	56.0	221660922.9	35.338
11-004(f)	56.0	221660922.9	35.338
16-001(d)	45.6	96562.2	0.015
16-003(a)	55.5	3370691.3	0.537

PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
16-006(c)	49.5	796278.1	0.127
16-006(g)	46.0	226749.0	0.036
16-016(g)	46.1	110.8	0.000
16-026(a)	73.5	221.6	0.000
16-026(c2)	61.8	109891.3	0.018
16-026(h2)	61.0	4087070.3	0.652
16-026(v)	65.8	2799800.2	0.446
16-028(b)	83.0	2701848.4	0.431
16-028(e)	47.2	2552931.3	0.407
16-030(g)	71.0	2519502.5	0.402



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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 10, 2004
Map Reference # 04-0100-49

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LEGEND & DATA SOURCES

- **Monitor Station** — ss_sample_points (09/2004)
- **Gauge Station** — wqh_all_gage_pnt (09/2003)
- **Approx. Runoff Pathway** — wqh_watercourse_arc (09/2004)
- **SWMU Monitoring Area** — wqh_ffca_subwatersheds_ply (09/2004)
- **Sub-basin Boundary** — wqh_gagebasins_ply (09/2004)
- **Paved Road/Parking** — laco_street_arc (04/2004); paved_rds_ply (10/2003); paved_prking_ply (08/2002)
- **100-ft Contour** — lanl_contour1991_100_arc (1991)
- **20-ft Contour** — lanl_contour1991_020_arc (1991)
- **10-ft Contour** — lanl_contour1991_010_arc (1991)
- **2-ft Contour** — lanl_contour1991_002_arc (1991)
- **Solid Waste Management Unit Erosion Potential Score 40 - 60** — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)
- **Solid Waste Management Unit Erosion Potential Score > 60** — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)

SCALE : 1:18,000

0 500 1,000 2,000 3,000 4,000 5,000 6,000 Feet

0 210 420 840 1,260 1,680 Meters

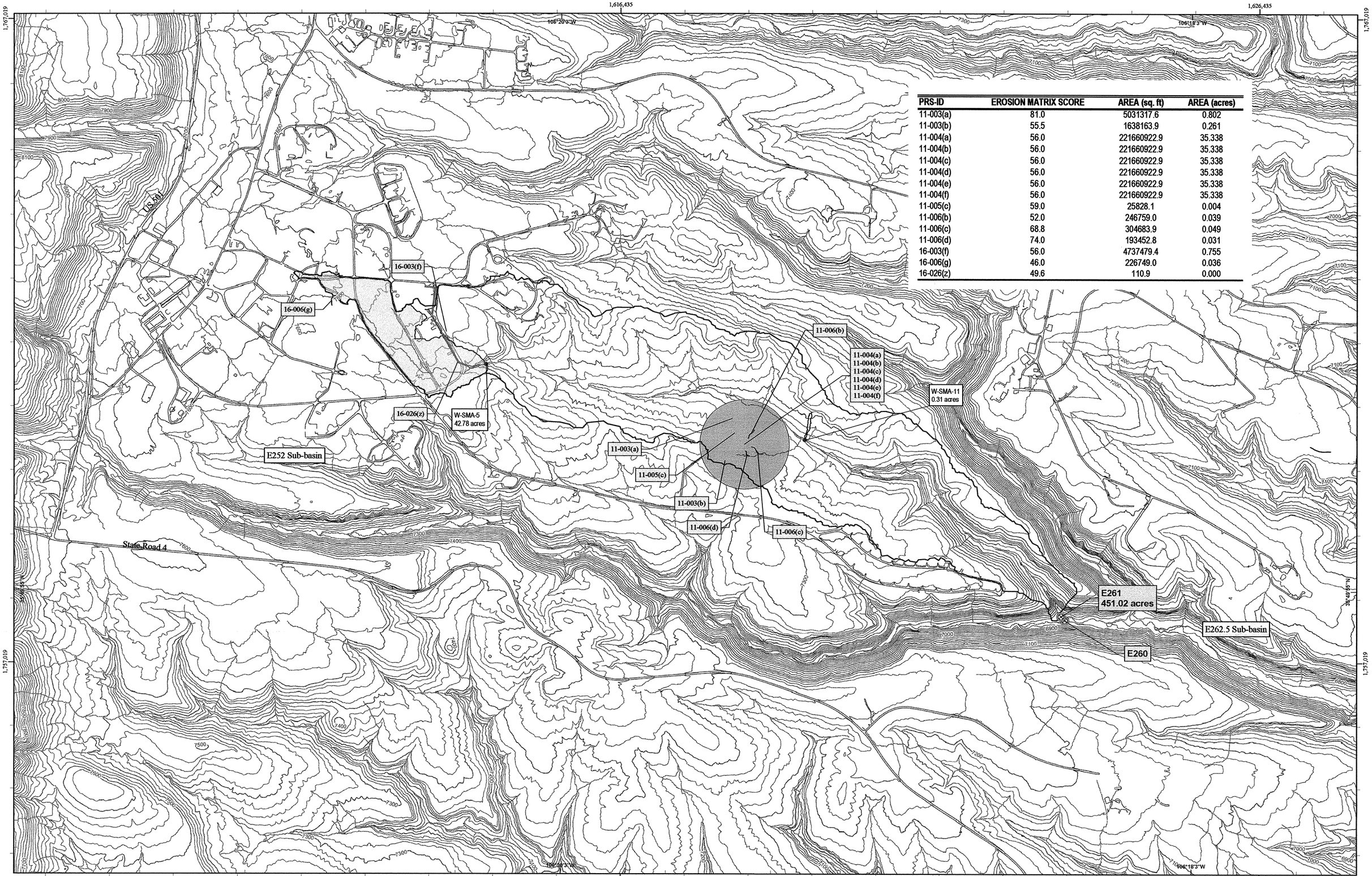
N

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

GAGE STATION E261

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-O



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
11-003(a)	81.0	5031317.6	0.802
11-003(b)	55.5	1638163.9	0.261
11-004(a)	56.0	221660922.9	35.338
11-004(b)	56.0	221660922.9	35.338
11-004(c)	56.0	221660922.9	35.338
11-004(d)	56.0	221660922.9	35.338
11-004(e)	56.0	221660922.9	35.338
11-004(f)	56.0	221660922.9	35.338
11-005(c)	59.0	25828.1	0.004
11-006(b)	52.0	246759.0	0.039
11-006(c)	68.8	304683.9	0.049
11-006(d)	74.0	193452.8	0.031
16-003(f)	56.0	4737479.4	0.755
16-006(g)	46.0	226749.0	0.036
16-026(z)	49.6	110.9	0.000

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 10, 2005
Map Reference # 04-0100-50

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LEGEND & DATA SOURCES

- **Monitor Station** — ss_sample_points (09/2004)
- **Gauge Station** — wqh_all_gage_pnt (09/2003)
- **Approx. Runoff Pathway** — wqh_watercourse_arc (09/2004)
- **SWMU Monitoring Area** — wqh_ffca_subwatersheds_ply (09/2004)
- **Sub-basin Boundary** — wqh_gagebasins_ply (09/2004)
- **Paved Road/Parking** — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- **100-ft Contour** — lanl_contour1991_100_arc (1991)
- **20-ft Contour** — lanl_contour1991_020_arc (1991)
- **10-ft Contour** — lanl_contour1991_010_arc (1991)
- **2-ft Contour** — lanl_contour1991_002_arc (1991)
- **Solid Waste Management Unit Erosion Potential Score 40 - 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- **Solid Waste Management Unit Erosion Potential Score > 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 335 670 1,340 2,010 2,680 3,350 4,020
Feet

0 140 280 560 840 1,120
Meters

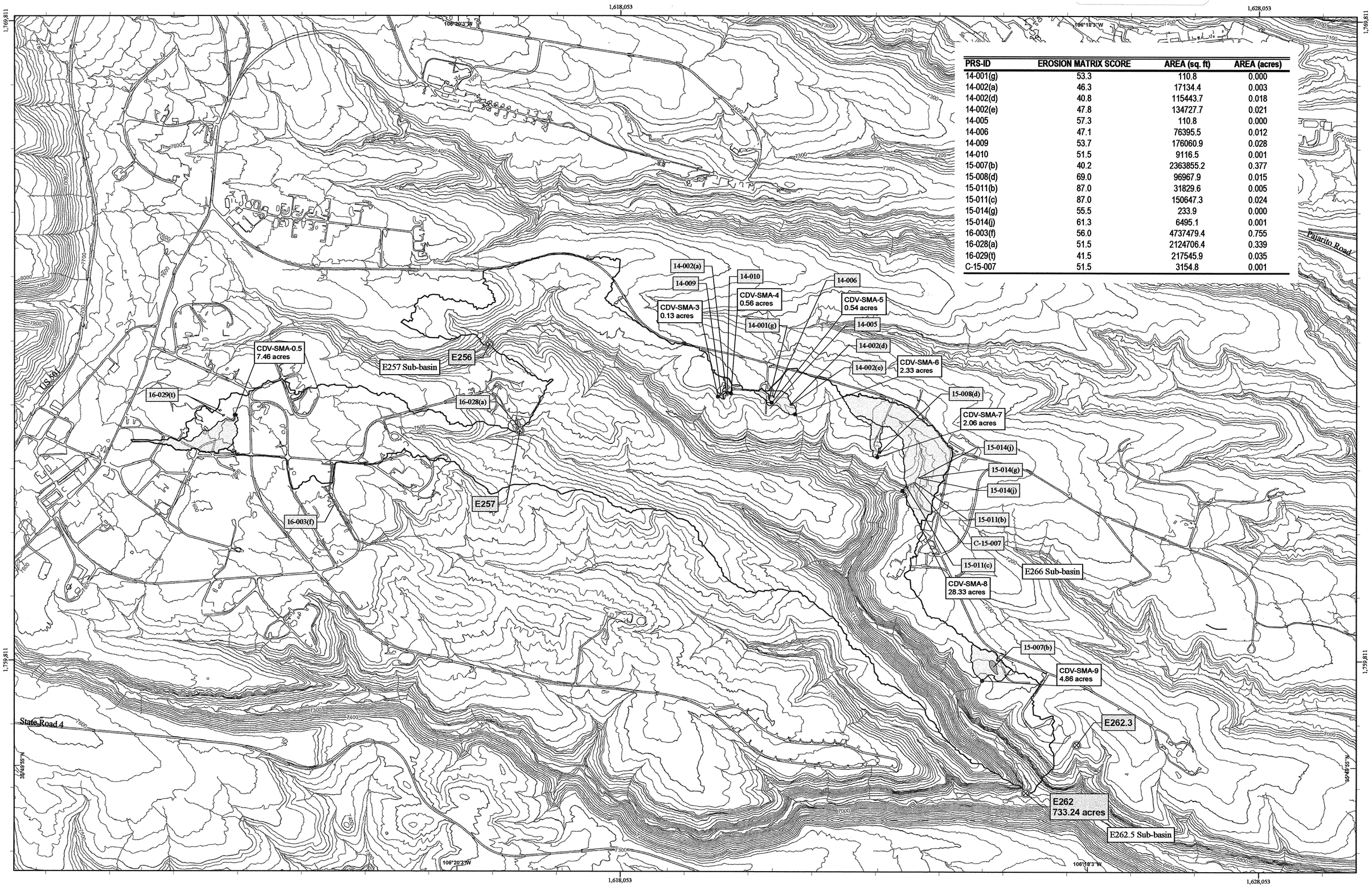
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E262

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-P



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
14-001(g)	53.3	110.8	0.000
14-002(a)	46.3	17134.4	0.003
14-002(d)	40.8	115443.7	0.018
14-002(e)	47.8	134727.7	0.021
14-005	57.3	110.8	0.000
14-006	47.1	76395.5	0.012
14-009	53.7	176060.9	0.028
14-010	51.5	9116.5	0.001
15-007(b)	40.2	2363855.2	0.377
15-008(d)	69.0	96967.9	0.015
15-011(b)	87.0	31829.6	0.005
15-011(c)	87.0	150647.3	0.024
15-014(g)	55.5	233.9	0.000
15-014(j)	61.3	6495.1	0.001
16-003(f)	56.0	4737479.4	0.755
16-028(a)	51.5	2124706.4	0.339
16-029(t)	41.5	217545.9	0.035
C-15-007	51.5	3154.8	0.001

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 27, 2005
Map Reference # 04-0100-52

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LEGEND & DATA SOURCES

- **Monitor Station** — ss_sample_points (09/2004)
- **Gauge Station** — wqh_all_gage_pnt (09/2003)
- **Approx. Runoff Pathway** — wqh_watercourse_arc (09/2004)
- **SWMU Monitoring Area** — wqh_ffca_subwatersheds_ply (09/2004)
- **Sub-basin Boundary** — wqh_gagebasins_ply (09/2004)
- **Paved Road/Parking** — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- **100-ft Contour** — lanl_contour1991_100_arc (1991)
- **20-ft Contour** — lanl_contour1991_020_arc (1991)
- **10-ft Contour** — lanl_contour1991_010_arc (1991)
- **2-ft Contour** — lanl_contour1991_002_arc (1991)
- **Solid Waste Management Unit Erosion Potential Score 40 - 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- **Solid Waste Management Unit Erosion Potential Score > 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 340 680 1,360 2,040 2,720 3,400 4,080 Feet

0 140 280 560 840 1,120 Meters

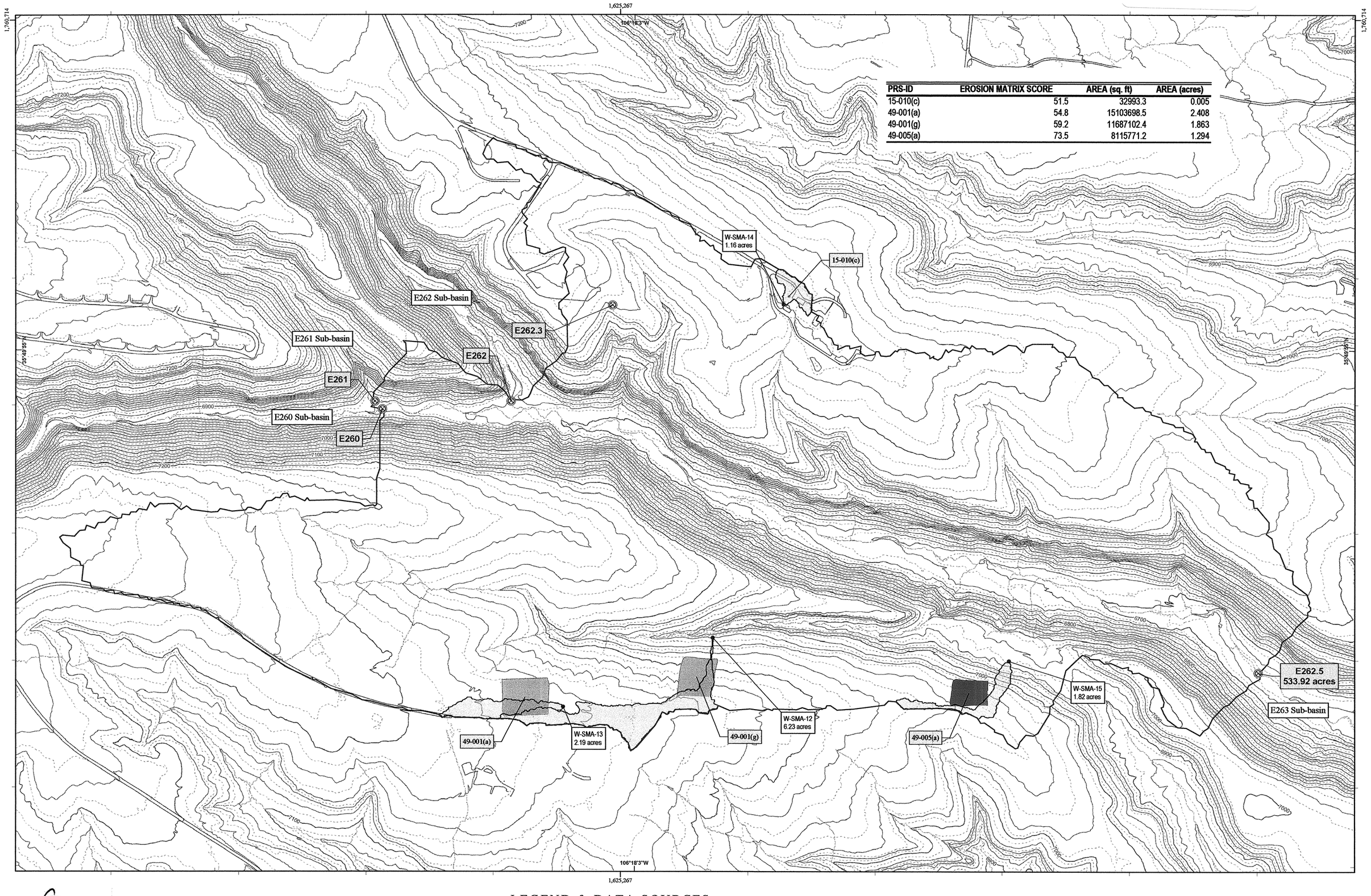
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E262.5

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-Q



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
15-010(c)	51.5	32993.3	0.005
49-001(a)	54.8	15103698.5	2.408
49-001(g)	59.2	11687102.4	1.863
49-005(a)	73.5	8115771.2	1.294

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 10, 2005
Map Reference # 04-0100-51

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004); paved_rds_ply (10/2003); paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)

SCALE : 1:6,000

0 170 340 680 1,020 1,360 1,700 2,040
Feet

0 70 140 280 420 560
Meters

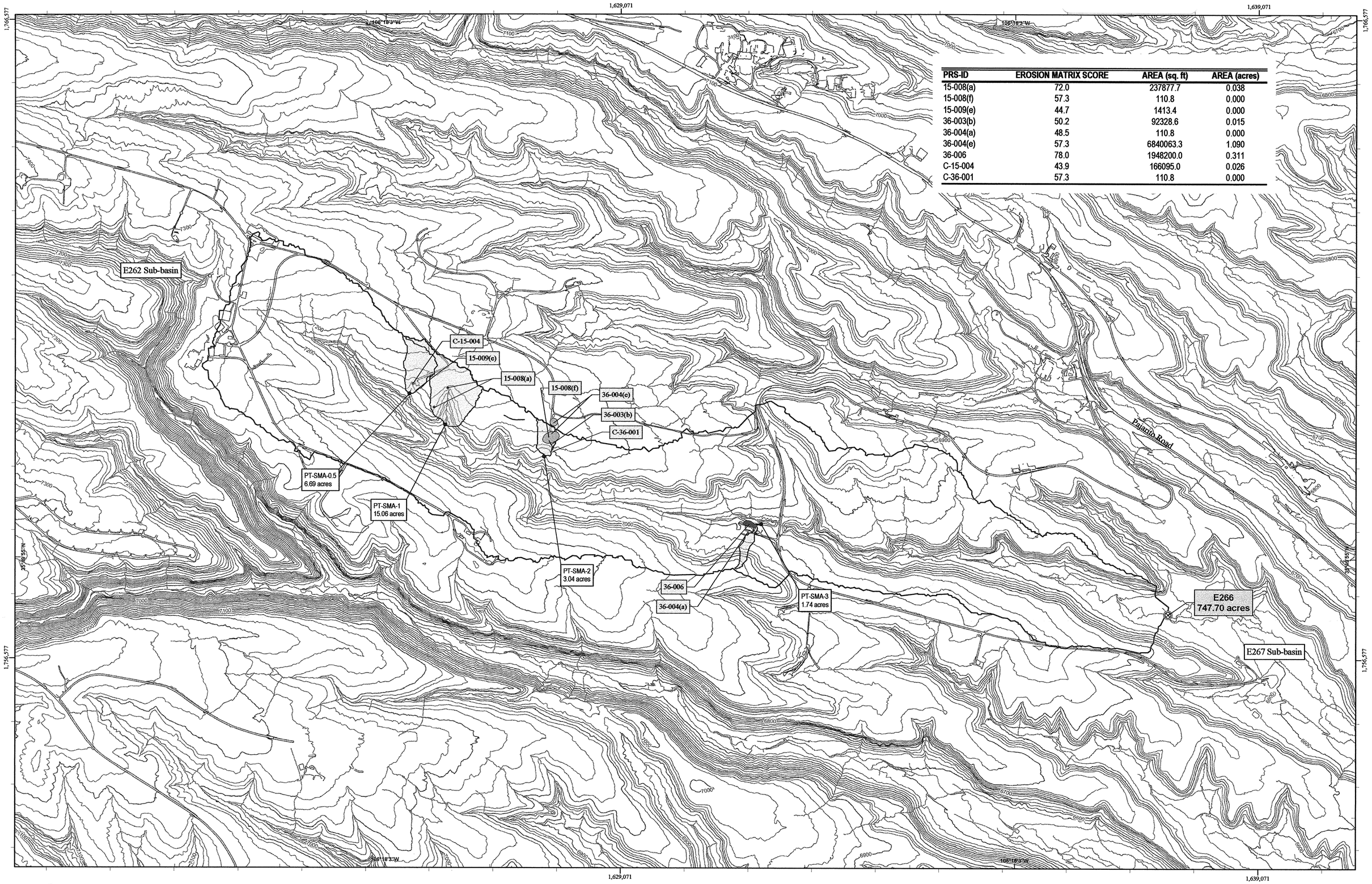
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E266

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-R



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
15-008(a)	72.0	237877.7	0.038
15-008(f)	57.3	110.8	0.000
15-009(e)	44.7	1413.4	0.000
36-003(b)	50.2	92328.6	0.015
36-004(a)	48.5	110.8	0.000
36-004(e)	57.3	6840063.3	1.090
36-006	78.0	1948200.0	0.311
C-15-004	43.9	166095.0	0.026
C-36-001	57.3	110.8	0.000

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 11, 2005
Map Reference # 04-0100-56

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004); paved_rds_ply (10/2003); paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 340 680 1,360 2,040 2,720 3,400 4,080 Feet

0 140 280 560 840 1,120 Meters

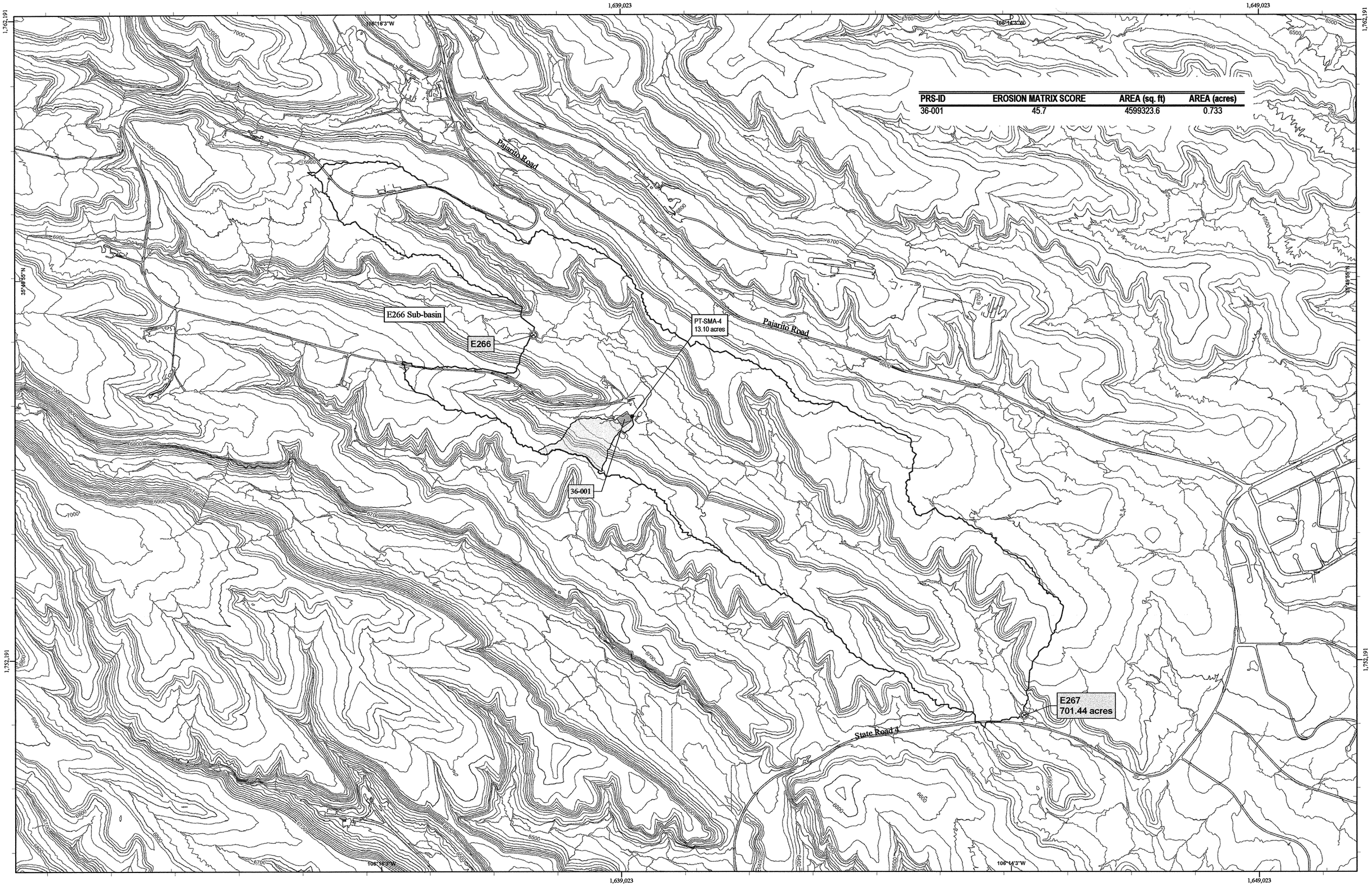
N

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

GAGE STATION E267

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-S



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
36-001	45.7	4599323.6	0.733

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 11, 2005
Map Reference # 04-0100-57

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004); paved_rds_ply (10/2003); paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 340 680 1,360 2,040 2,720 3,400 4,080
Feet

0 140 280 560 840 1,120
Meters

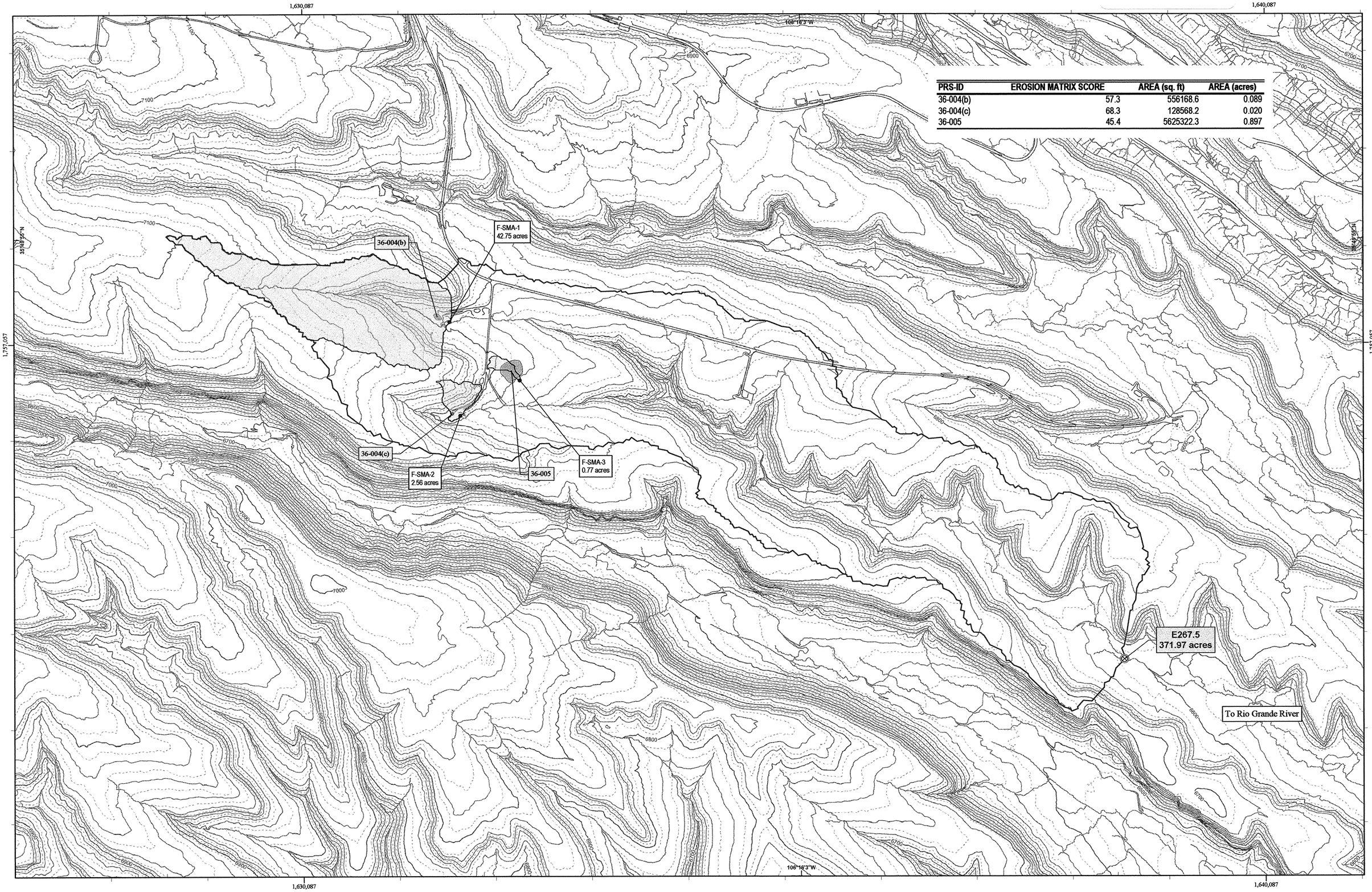
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E267.5

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-T



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
36-004(b)	57.3	556168.6	0.089
36-004(c)	68.3	128568.2	0.020
36-005	45.4	5625322.3	0.897

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 11, 2005
Map Reference # 04-0100-59

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LEGEND & DATA SOURCES

- **Monitor Station** — ss_sample_points (09/2004)
- **Gauge Station** — wqh_all_gage_pnt (09/2003)
- **Approx. Runoff Pathway** — wqh_watercourse_arc (09/2004)
- **SWMU Monitoring Area** — wqh_ffca_subwatersheds_ply (09/2004)
- **Sub-basin Boundary** — wqh_gagebasins_ply (09/2004)
- **Paved Road/Parking** — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- **100-ft Contour** — lanl_contour1991_100_arc (1991)
- **20-ft Contour** — lanl_contour1991_020_arc (1991)
- **10-ft Contour** — lanl_contour1991_010_arc (1991)
- **2-ft Contour** — lanl_contour1991_002_arc (1991)
- **Solid Waste Management Unit Erosion Potential Score 40 - 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- **Solid Waste Management Unit Erosion Potential Score > 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:8,000

0 250 500 1,000 1,500 2,000 Feet

0 100 200 400 600 Meters

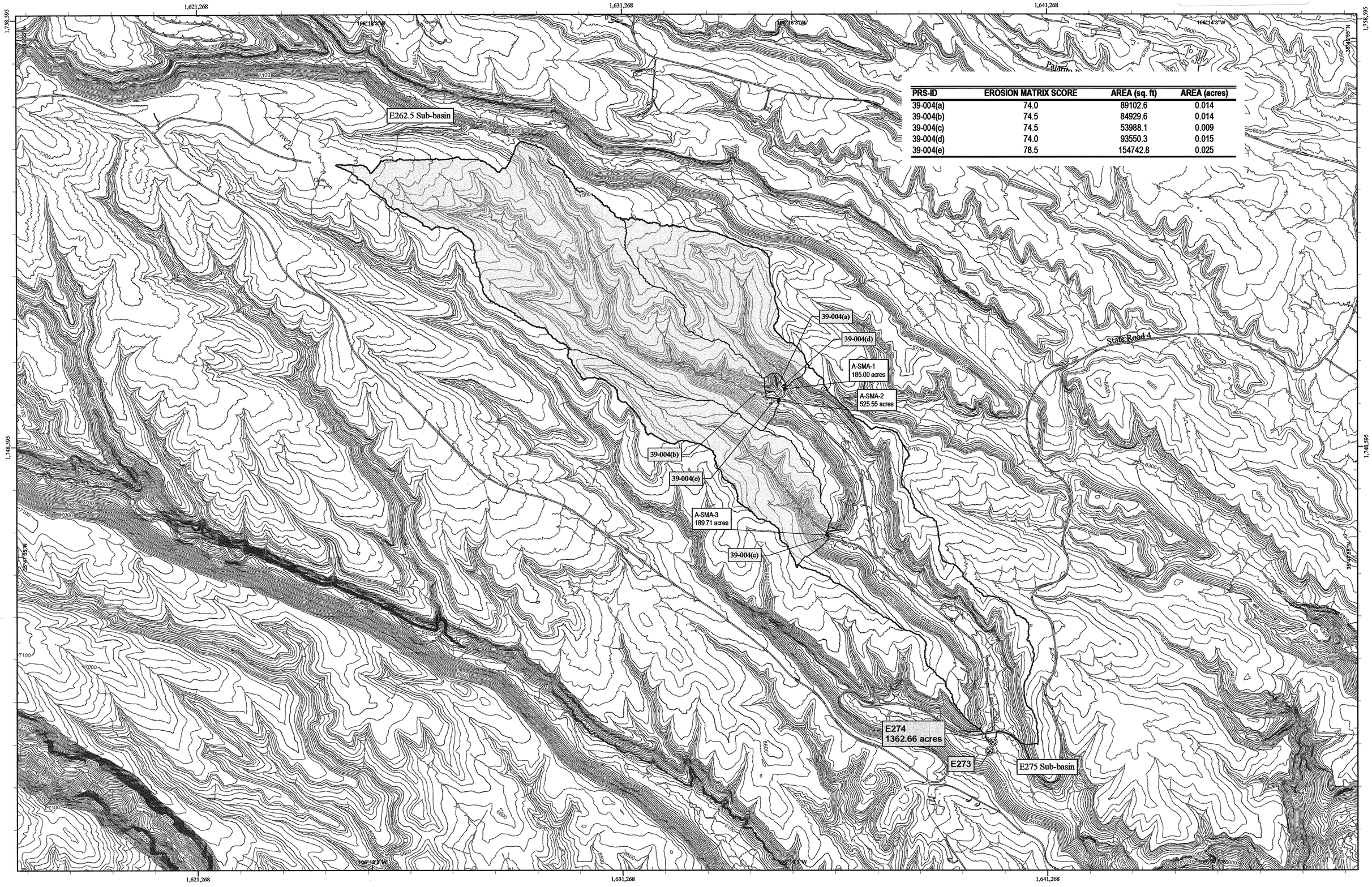
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E274

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-U



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
39-004(a)	74.0	89102.6	0.014
39-004(b)	74.5	84929.6	0.014
39-004(c)	74.5	53988.1	0.009
39-004(d)	74.0	93550.3	0.015
39-004(e)	78.5	154742.8	0.025

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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 11, 2005
Map Reference # 04-0100-58

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LEGEND & DATA SOURCES

- Monitor Station — ss_sample_points (09/2004)
- Gauge Station — wqh_all_gage_pnt (09/2003)
- Approx. Runoff Pathway — wqh_watercourse_arc (09/2004)
- SWMU Monitoring Area — wqh_ffca_subwatersheds_ply (09/2004)
- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
- Paved Road/Parking — laco_street_arc (04/2004); paved_rds_ply (10/2003); paved_prking_ply (08/2002)
- 100-ft Contour — lanl_contour1991_100_arc (1991)
- 20-ft Contour — lanl_contour1991_020_arc (1991)
- 10-ft Contour — lanl_contour1991_010_arc (1991)
- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004); wqh_aoc_erosion_ply (03/2004)

SCALE : 1:18,000

0 500 1,000 2,000 3,000 4,000 5,000 6,000
Feet

0 210 420 840 1,260 1,680
Meters

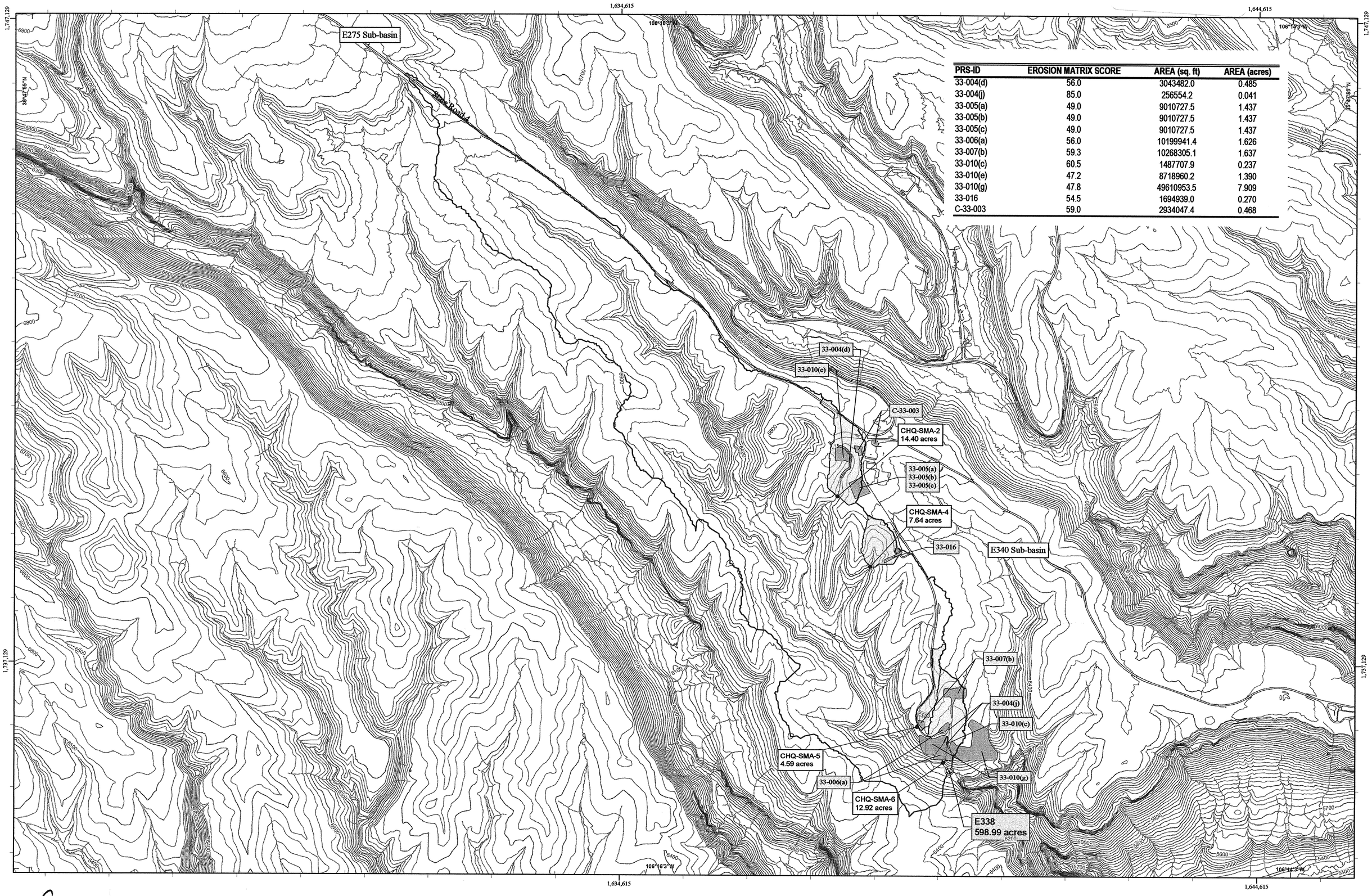
1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

N

GAGE STATION E338

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-V



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
33-004(d)	56.0	3043482.0	0.485
33-004(j)	85.0	256554.2	0.041
33-005(a)	49.0	9010727.5	1.437
33-005(b)	49.0	9010727.5	1.437
33-005(c)	49.0	9010727.5	1.437
33-006(a)	56.0	10199941.4	1.626
33-007(b)	59.3	10268305.1	1.637
33-010(c)	60.5	1487707.9	0.237
33-010(e)	47.2	8718960.2	1.390
33-010(g)	47.8	49610953.5	7.909
33-016	54.5	1694939.0	0.270
C-33-003	59.0	2934047.4	0.468

Los Alamos NATIONAL LABORATORY EST. 1943
The World's Greatest Science Protecting America

RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 27, 2005
Map Reference # 04-0100-60

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LEGEND & DATA SOURCES

- **Monitor Station** — ss_sample_points (09/2004)
- **Gauge Station** — wqh_all_gage_pnt (09/2003)
- **Approx. Runoff Pathway** — wqh_watercourse_arc (09/2004)
- **SWMU Monitoring Area** — wqh_ffca_subwatersheds_ply (09/2004)
- **Sub-basin Boundary** — wqh_gagebasins_ply (09/2004)
- **Paved Road/Parking** — laco_street_arc (04/2004), paved_rds_ply (10/2003), paved_prking_ply (08/2002)
- **100-ft Contour** — lanl_contour1991_100_arc (1991)
- **20-ft Contour** — lanl_contour1991_020_arc (1991)
- **10-ft Contour** — lanl_contour1991_010_arc (1991)
- **2-ft Contour** — lanl_contour1991_002_arc (1991)
- **Solid Waste Management Unit Erosion Potential Score 40 - 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- **Solid Waste Management Unit Erosion Potential Score > 60** — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:12,000

0 340 680 1,360 2,040 2,720 3,400 4,080
Feet

0 140 280 560 840 1,120
Meters

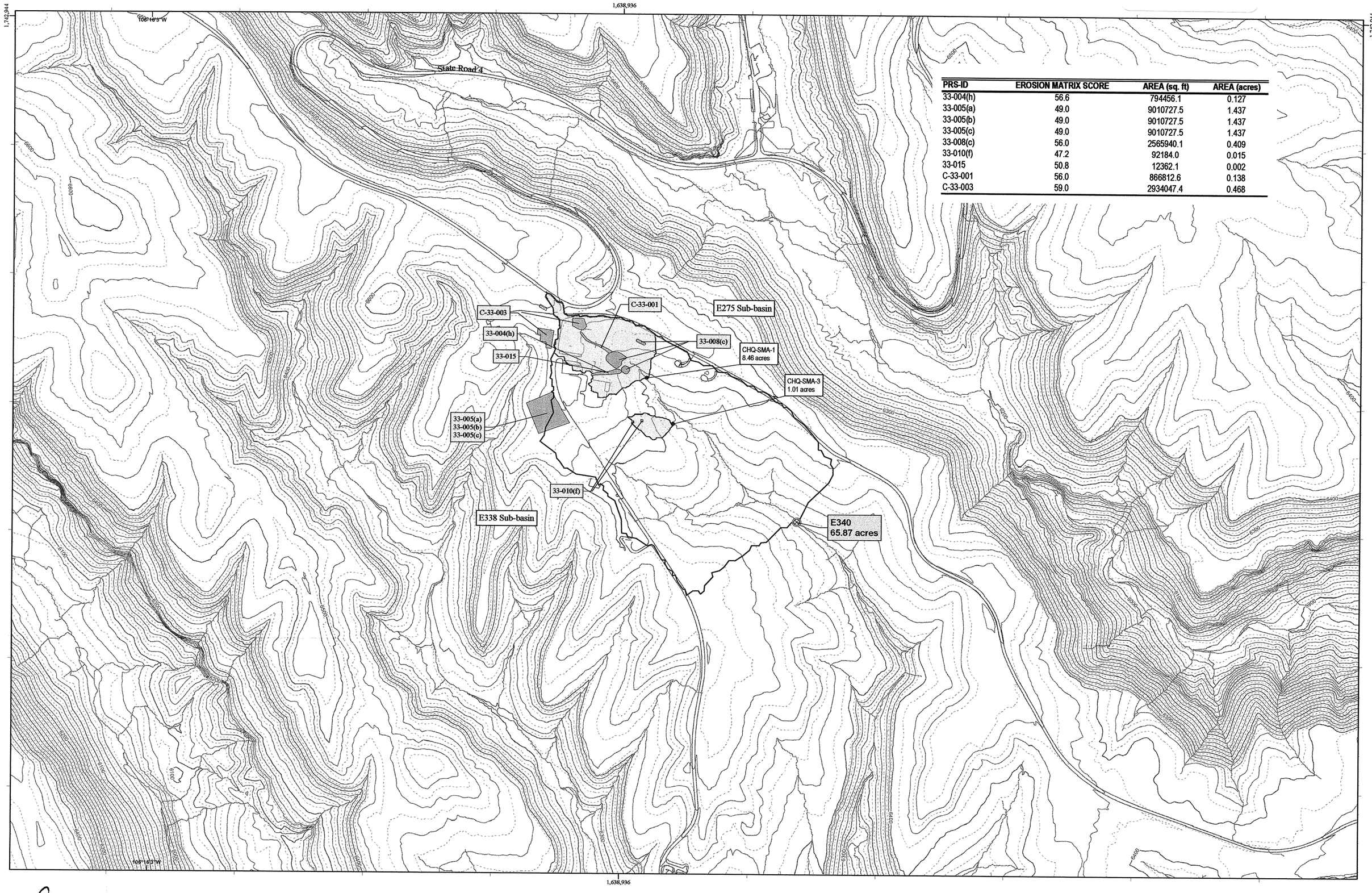
N

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)

GAGE STATION E340

SUB-BASIN & ASSOCIATED SOLID WASTE MANAGEMENT UNITS

16254-W



PRS-ID	EROSION MATRIX SCORE	AREA (sq. ft)	AREA (acres)
33-004(h)	56.6	794456.1	0.127
33-005(a)	49.0	9010727.5	1.437
33-005(b)	49.0	9010727.5	1.437
33-005(c)	49.0	9010727.5	1.437
33-008(c)	56.0	2565940.1	0.409
33-010(f)	47.2	92184.0	0.015
33-015	50.8	12362.1	0.002
C-33-001	56.0	866812.6	0.138
C-33-003	59.0	2934047.4	0.468

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EST. 1943
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RRES-OEIM GIS TEAM
Produced by: Brad McKown
January 11, 2005
Map Reference # 04-0100-61

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LEGEND & DATA SOURCES

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- Sub-basin Boundary — wqh_gagebasins_ply (09/2004)
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- 2-ft Contour — lanl_contour1991_002_arc (1991)
- Solid Waste Management Unit Erosion Potential Score 40 - 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)
- Solid Waste Management Unit Erosion Potential Score > 60 — wqh_swmu_erosion_ply (03/2004), wqh_aoc_erosion_ply (03/2004)

SCALE : 1:6,000

0 170 340 680 1,020 1,360 1,700 2,040
Feet

0 70 140 280 420 560
Meters

N

1983 North American Datum, State Plane Coordinate System, New Mexico, Central Zone (US Feet)