

Appendix C

Metadata for Water Resource Datasets Identified in Project Research

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Matt Rich

Name of regional data provider	City of Las Cruces Water Utilities
Contact name	Dan Santantonio, Regulatory Compliance Analyst
Contact phone number	505-528-3548
Contact EMAIL	dasant@las-cruces.org
Contact address	Utilities Admin., P.O. Box 20000 Las Cruces, NM 88004
Contact FAX number	505-528-3619

Name of dataset	CLC Gauge sites
Actual data elements/variables	Water quality
Source(s) of data	City of Las Cruces
Spatial extent	Rio Grande from Picacho Bridge to Calle de Norte
Date gathered or updated	July 2001 to March 2002
Frequency of data	Unavailable
Format of digital file	Microsoft Excel
Restrictions on use	None
Means of accessing data	Internal
URL where data are housed, if available on line	http://wrri.nmsu.edu/arcims/pdnwcmmap/tiles/home.htm
Additional metadata	N/A

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Matt Rich

Name of regional data provider	International Boundary and Water Commission
Contact name	Gilbert Anaya Clean Rivers Program
Contact phone number	915-832-4702
Contact EMAIL	gilbertanaya@ibwc.state.gov
Contact address	4171 North Mesa, Suite C-100 El Paso, TX 79902-1441
Contact FAX number	N/A

Name of dataset	IBWC Gauge sites
Actual data elements/variables	Water flow
Source(s) of data	IBWC maintained gauges
Spatial extent	Rio Grande from El Paso, TX to Fort Quitman, TX
Date gathered or updated	Daily
Frequency of data	Daily
Format of digital file	Microsoft Excel
Restrictions on use	None
Means of accessing data	Internet
URL where data are housed, if available on line	http://www.ibwc.state.gov
Additional metadata	N/A

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Zhuping Sheng

Name of regional data provider	USBR/USGS
Contact name	Wayne M. Treers
Contact phone number	915-534-6321
Contact EMAIL	wtreers@uc.usbr.gov
Contact address	700 East San Antonio Ave. (EP-431) El Paso, TX 79901-7020
Contact FAX number	915-534-6299

Name of dataset	USBR Gauge sites
Actual data elements/variables	Gauge Height in foot and Discharge in cubic foot per second (CFS)
Source(s) of data	U.S. Bureau of Reclamation maintained gauges
Spatial extent	Rio Grande from Elephant Butte, NM to Fort Quitman, TX
Date gathered or updated	Current
Frequency of data	Daily
Format of digital file	HTML data
Restrictions on use	None
Means of accessing data	Internet
URL where data are housed, if available on line	Daily average: http://www.usbr.gov/uc/el Paso/water/RioGrandeProject/CurrentData/WFlow/daily.html Historic Data - http://www.usbr.gov/dataweb/html/ucriowatdata.html
Additional metadata	N/A

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contacts: Zhuping Sheng/Matt Rich

Name of regional data provider	USGS Regional Office, New Mexico State University
Contact name	Edward Nickerson
Contact phone number	(505) 646-1335
Contact EMAIL	nickerso@usgs.gov
Contact address	Genesis Building A, Suite 110, 3655 Research Drive New Mexico State University, Las Cruces, NM 88003-0001
Contact FAX number	(505) 646-7949

Name of dataset	USGS Gauge Sites
Actual data elements/variables	Water flow and water quality
Source(s) of data	USGS maintained gauges
Spatial extent	Rio Grande from Elephant Butte, NM to Fort Quitman, TX
Date gathered or updated	Daily
Frequency of data	Daily
Format of digital file	HTML data
Restrictions on use	None
Means of accessing data	Internet
URL where data are housed, if available on line	http://waterdata.usgs.gov
Additional metadata	N/A

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Christopher Brown

Name of regional data provider	Project del Rio
Contact name	Lisa LeRocque
Contact phone number	505-522-7511
Contact EMAIL	pdrus@zianet.com
Contact address	275 North Downtown Mall Las Cruces NM 88001
Contact FAX number	505-522-0775

Name of dataset	Project del Rio water quality data
Actual data elements/variables	Basic surface water quality parameters
Source(s) of data	Grab samples drawn from various reaches of the Rio Grande
Spatial extent	Elephant Butte Reservoir to Tornillo
Data gathered or updated	1991 to 2002
Frequency of data	Variable
Format of digital file	Excel spreadsheet
Restrictions on use	None
Means of accessing data	Download from PDNWC website
URL where data are housed, if available on line	http://wrri.nmsu.edu/arcims/pdnwcmap/tiles/home.htm
Additional metadata	N/A

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PNDWC Contact: Matt Rich

Name of regional data provider	Elephant Butte Irrigation District
Contact name	Gary Esslinger Treasurer/Manager
Contact phone number	505-526-6671
Contact EMAIL	gesslinger@ebid-nm.org
Contact address	530 S. Melendres Las Cruces, NM 88004-1509
Contact FAX number	505-523-9666

Name of dataset	EBID Gauge sites
Actual data elements/variables	Water level and water flow
Source(s) of data	EBID maintained gauges
Spatial extent	EBID service area
Date gathered or updated	Daily
Frequency of data	Daily
Format of digital file	HTML data and graphs
Restrictions on use	None
Means of accessing data	Internet
URL where data are housed, if available on line	http://www.ebid-nm-org
Additional metadata	N/A

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Alberto Barud
Contact phone number	(915) 747-7632
Contact EMAIL	albertobz@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	Paso del Norte Surface Runoff Water Quality
Actual data elements/variables	Heavy metals
Source(s) of data	Field Study
Spatial extent	El Paso, Cd. Juarez
Data gathered or updated	2002-2003
Frequency of data	One Time
Format of digital file	Excel spreadsheet
Restrictions on use	None
Means of accessing data	Contact Alberto Barud
URL where data are housed, if available on line	N/A
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Alberto Barud
Contact phone number	(915) 747-7632
Contact EMAIL	albertobz@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	El Paso Well Water Quality
Actual data elements/variables	TDS, Sulfur, Chlorine and others
Source(s) of data	El Paso Water Utilities
Spatial extent	El Paso Aquifers
Data gathered or updated	1950s - Present
Frequency of data	Varies
Format of digital file	Excel spreadsheet
Restrictions on use	None
Means of accessing data	Contact Alberto Barud
URL where data are housed, if available on line	N/A
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Bob Gray
Contact phone number	(915) 747-7671
Contact EMAIL	bob@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	Cd. Juárez Well Data
Actual data elements/variables	Pumping, Core Descriptions, Water Quality, Levels
Source(s) of data	Comision Nacional de Agua, Junta Municipal de Agua Y Saneamiento
Spatial extent	Cd. Juárez
Data gathered or updated	1989 - 1995
Frequency of data	Varies
Format of digital file	Excel spreadsheet
Restrictions on use	Permission of Source Agencies
Means of accessing data	Contact Bob Gray
URL where data are housed, if available on line	N/A
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Bob Gray
Contact phone number	(915) 747-7671
Contact EMAIL	bob@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	Doña Ana County Well Data
Actual data elements/variables	Infrequents, Well Information, Water Quality, Water Levels
Source(s) of data	New Mexico State University Water Resources Research Institute (WRII)
Spatial extent	Doña Ana and Otero Counties
Data gathered or updated	1906 - 1996
Frequency of data	Varies
Format of digital file	Excel spreadsheet
Restrictions on use	Permission of WRII
Means of accessing data	Contact Bob Gray
URL where data are housed, if available on line	N/A
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Bob Gray
Contact phone number	(915) 747-7671
Contact EMAIL	bob@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	El Paso County Well Data
Actual data elements/variables	Texas State Id, Drill Date, Depth, Owner etc.
Source(s) of data	Texas Water Development Board
Spatial extent	El Paso and Hudspeth Counties
Data gathered or updated	1964 - 1998
Frequency of data	Varies
Format of digital file	DBF4
Restrictions on use	Permission of WRRRI
Means of accessing data	Contact Bob Gray
URL where data are housed, if available on line	N/A
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Bob Gray
Contact phone number	(915) 747-7671
Contact EMAIL	bob@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	El Paso County Wells Coverage
Actual data elements/variables	Texas State Id (Well Number)
Source(s) of data	Texas Water Development Board
Spatial extent	El Paso and Hudspeth Counties
Data gathered or updated	1964 - 1998
Frequency of data	Once
Format of digital file	ArcView Shape
Restrictions on use	None
Means of accessing data	Contact Bob Gray
URL where data are housed, if available on line	N/A
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Bob Gray
Contact phone number	(915) 747-7671
Contact EMAIL	bob@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	Cd. Juárez Wells Coverage
Actual data elements/variables	Well Number
Source(s) of data	Comision Nacional de Agua, Junta Municipal de Agua Y Saneamiento
Spatial extent	Cd. Juárez
Data gathered or updated	1964 - 1998
Frequency of data	Once
Format of digital file	ArcView Shape
Restrictions on use	None
Means of accessing data	Contact Bob Gray
URL where data are housed, if available on line	N/A
Additional metadata	Not at this time

Promoting ecosystem health and economic sustainability in the Paso del Norte watershed

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Bob Gray
Contact phone number	(915) 747-7671
Contact EMAIL	bob@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	Cd. Juárez Irrigation Wells Coverage
Actual data elements/variables	Well Number
Source(s) of data	Comision Nacional de Agua, Junta Municipal de Agua Y Saneamiento
Spatial extent	Cd. Juárez
Data gathered or updated	1964 - 1998
Frequency of data	Once
Format of digital file	ArcView Shape
Restrictions on use	None
Means of accessing data	Contact Bob Gray
URL where data are housed, if available on line	N/A
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Bob Gray
Contact phone number	(915) 747-7671
Contact EMAIL	bob@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	Transboundary Hueco Bolson Aquifer Coverage
Actual data elements/variables	Aquifer ID, Name
Source(s) of data	Texas Water Development Board
Spatial extent	El Paso, Cd. Juárez Aquifer Limits
Data gathered or updated	1998
Frequency of data	Once
Format of digital file	ArcView Shape
Restrictions on use	None
Means of accessing data	Contact Bob Gray
URL where data are housed, if available on line	http://pdnmapa.org/gis/
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Bob Gray
Contact phone number	(915) 747-7671
Contact EMAIL	bob@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	Transboundary Mesilla Bolson Aquifer Coverage
Actual data elements/variables	Name, Id
Source(s) of data	Texas Water Development Board
Spatial extent	Aquifer Limits
Data gathered or updated	1998
Frequency of data	Once
Format of digital file	ArcView Shape
Restrictions on use	None
Means of accessing data	Contact Bob Gray
URL where data are housed, if available on line	http://pdnmapa.org/gis/
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Your Name: Bob Gray

Name of regional data provider	University of Texas at El Paso
Contact name	Bob Gray
Contact phone number	(915) 747-7671
Contact EMAIL	bob@utep.edu
Contact address	University of Texas at El Paso Ctr For Environ Resource Mgmt Mail Code:00684 El Paso, TX 79968
Contact FAX number	(915) 747-5145

Name of dataset	Transboundary Rio Grande Shallow Aquifer Coverage
Actual data elements/variables	Aquifer ID, Name
Source(s) of data	Texas Water Development Board
Spatial extent	Doña Ana, El Paso, Hudspeth Co, and Cd. Juárez Aquifer Limits
Data gathered or updated	1998
Frequency of data	Once
Format of digital file	ArcView Shape
Restrictions on use	None
Means of accessing data	Contact Bob Gray
URL where data are housed, if available on line	http://pdnmapa.org/gis/
Additional metadata	Not at this time

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Alfredo Granados Ph.D.

Name of regional data provider	Instituto Municipal de Investigación y Planeación IMIP
Contact name	Biologist Francisco Nuñez
Contact phone number	616-3118 / 613-6520 / 613-6530 / 613-6546
Contact EMAIL	imip@infoInk.net
Contact address	4145 Benjamin Franklin and 4158 Estocolmo Pronaf circuit Cd. Juárez, Chihuahua
Contact FAX number	(656) 611-1270

Name of dataset	“Plan de drenaje por agua pluvial”
Actual data elements/variables	Public Consult, sectorial plan
Source(s) of data	Research, pluviometric data, research with the “Comisión Nal. Del Agua”
Spatial extent	Cd. Juárez
Data gathered or updated	(2001-2002)
Frequency of data	Every time is needed
Format of digital file	Not ready (in process)
Restrictions on use	Public
Means of accessing data	Web page, direct
URL where data are housed, if available on line	www.imip.org.mx
Additional metadata	None

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Alfredo Granados Ph.D.

Name of regional data provider	Departamento de Civil y Ambiental – IIT – UACJ
Contact name	Dr. Victoriano Garza
Contact phone number	(656) 688 48 00 (ext. 03)
Contact EMAIL	bgarza@uacj.mx
Contact address	Av. Del Charro y Calle Henry Durant
Contact FAX number	688-4813

Name of dataset	Recycling of human waste.
Actual data elements/variables	Magazine
Source(s) of data	Prevention and control of the pollution, World Health Organization, Geneva Switzerland
Spatial extent	Cd. Juarez' valley
Data gathered or updated	February 1998
Frequency of data	none
Format of digital file	web page
Restrictions on use	none
Means of accessing data	web page
URL where data are housed, if available on line	http://www.uacj.mx/Publicaciones/sf/num10/default.htm
Additional metadata	

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Alfredo Granados Ph.D.

Name of regional data provider	Departamento de Civil y Ambiental – IIT – UACJ
Contact name	Dr. Victoriano Garza
Contact phone number	(656) 688-4800 (ext. 03)
Contact EMAIL	bgarza@uacj.mx
Contact address	Av. Del Charro y Calle Henry Durant
Contact FAX number	688-4813

Name of dataset	Rio Bravo, Border & Environment
Actual data elements/variables	Magazine
Source(s) of data	International Congress of Regional History, Cd. Juárez, Chihuahua
Spatial extent	Rio Bravo
Data gathered or updated	November 1997
Frequency of data	none
Format of digital file	web page
Restrictions on use	none
Means of accessing data	web page
URL where data are housed, if available on line	http://www.uacj.mx/Publicaciones/sf/num8/ambiente.htm
Additional metadata	

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Alfredo Granados Ph.D.

Name of regional data provider	Departamento de Civil y Ambiental – IIT – UACJ
Contact name	Dr. Victoriano Garza
Contact phone number	(656) 688-4800 (ext. 03)
Contact EMAIL	bgarza@uacj.mx
Contact address	Av. Del Charro y Calle Henry Durant
Contact FAX number	688-4813

Name of dataset	Quality studies about water irrigation in Juarez' Valley and it's effect on cultivated lands during 1980-1995
Actual data elements/variables	Magazine
Source(s) of data	Local files in CNA and SAGAR
Spatial extent	Juarez' Valley
Data gathered or updated	1996
Frequency of data	none
Format of digital file	web page
Restrictions on use	none
Means of accessing data	web page
URL where data are housed, if available on line	http://www.uacj.mx/Publicaciones/sf/num7/resena.htm
Additional metadata	

Metadata form for USACE and EPWU Coordinated Database

Paso del Norte Watershed Council

PDNWC Contact: Alfredo Granados Ph.D.

Name of regional data provider	Junta Municipal de Agua y Saneamiento.
Contact name	Ing. Adelaido Leos Rodriguez
Contact phone number	619 7000 / 619 4962
Contact EMAIL	jmas_nor@infolnk.net / jmastec@hotmail.com
Contact address	Sierra del Armadillo y Sierra Morrones , Col. La Cuesta Cd., Juárez ,Chih,
Contact FAX number	

Name of dataset	“Actualización del plan maestro para el mejoramiento de los servicios de agua potable, drenaje y saneamiento en Cd. Juárez, Chih.”
Actual data elements/variables	
Source(s) of data	Research from “Servicio de Ingeniería e Informática S.C.” coordinated with JMAS
Spatial extent	Cd. Juárez, and el Paso, Tx.
Data gathered or updated	Every time data is collected.
Frequency of data	Daily
Format of digital file	Web page
Restrictions on use	None
Means of accessing data	Web page, personal.
URL where data are housed, if available on line	www.chihuahua.gob.mx , accessing JMAS logo, then “inf. Técnica”. Next “sec. Biblioteca”. Finally, click in “Plan maestro de servicios de agua”.
Additional metadata	

Metadata form for USACE and EPWU Coordinated Database

Paso del Norte Watershed Council

PDNWC Contact: Alfredo Granados Ph.D.

Name of regional data provider	Centro de Información sobre Sequía (CEISS)
Contact name	Dr. Alfredo Rodriguez
Contact phone number	Teléfonos (614) 4510908
Contact EMAIL	alfredo@ sequía .edu . mx
Contact address	Km. 33.3 Carretera Chihuahua-Ojinaga Cd. Aldama, Chihuahua, C.P. 32900, A.P.2
Contact FAX number	Fax (614) 4510906

Name of dataset	“Estructuración de la red de agua de la cuenca del Río Bravo”
Actual data elements/variables	Watersheds.
Source(s) of data	Research
Spatial extent	Río Bravo’s zone concerning Cd. Juarez, and El Paso
Data gathered or updated	When needed
Frequency of data	N/A
Format of digital file	Web page
Restrictions on use	None
Means of accessing data	Web page
URL where data are housed, if available on line	www.sequia.org
Additional metadata	

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Alfredo Granados Ph.D.

Name of regional data provider	“Proyecto del Rio”
Contact name	Alma Galván
Contact phone number	(656) 612-1661
Contact EMAIL	pdrmex@infoInk.net
Contact address	107, 16 de Septiembre Ave. Dept. 206
Contact FAX number	

Name of dataset	Binational Environment education
Actual data elements/variables	
Source(s) of data	Research from High School and Middle School students
Spatial extent	Cd. Juarez, El Paso
Data gathered or updated	Last research (no date)
Frequency of data	When data collected
Format of digital file	Vary
Restrictions on use	Restricted, appointment needed.
Means of accessing data	Appointment
URL where data are housed, if available on line	www.pdrus.com
Additional metadata	

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

PDNWC Contact: Alfredo Granados Ph.D.

Name of regional data provider	Centro de Información Geografica (CIG) – IIT - UACJ
Contact name	Dr. Alfredo Granados
Contact phone number	(656) 688 48 58 ó ext. 4858
Contact EMAIL	agranados@uacj.mx
Contact address	Av. Del Charro y Calle Henry Durant
Contact FAX number	688 4813

Name of dataset	Potential sources of contamination of the Rio Grande Rio Bravo basin from a runoff analysis in developed areas of the Paso del Norte region.
Actual data elements/variables	Surface hydrology, land use, satellite imagery (Ikonos), topographic contours.
Source(s) of data	UACJ – IIT (CIG), IMIP, INEGI.
Spatial extent	Cd. Juárez, Chihuahua
Data gathered or updated	August 2003
Frequency of data	Updated.
Format of digital file	*.SHP *.IMG
Restrictions on use	Open
Means of accessing data	Web page
URL where data are housed, if available on line	http://cig.uacj.mx
Additional metadata	

Metadata form for USACE and EPWU Coordinated Database

Paso del Norte Watershed Council

PDNWC Contact: Alfredo Granados Ph.D.

Name of regional data provider	Centro de Información Geografica (CIG) – IIT - UACJ
Contact name	Alfredo Granados Ph.D.
Contact phone number	(656) 688-4858
Contact EMAIL	agranados@uacj.mx
Contact address	610 Del Charro Ave. and Henry Durant St.
Contact FAX number	688 4813

Name of dataset	Regional Geographic Information System (GIS) to Support Regional Water Planning in the Paso del Norte Region.
Actual data elements/variables	Hydrology, Transportation, Wells, Aquifers, Topography, Land use.
Source(s) of data	UACJ – IIT (CIG), IMIP, INEGI.
Spatial extent	Cd. Juárez, Chih. Las Cruces NM, El Paso TX.
Data gathered or updated	October 2002
Frequency of data	October 2002
Format of digital file	*.SHP DEM
Restrictions on use	Open
Means of accessing data	Web page
URL where data are housed, if available on line	http://cig.uacj.mx
Additional metadata	

Metadata form for USACE and EPWU Coordinated Database Projects

Paso del Norte Watershed Council

Name: Alfredo Granados Ph.D.

Name of regional data provider	Centro de Información Geografica (CIG) – IIT - UACJ
Contact name	Dr. Alfredo Granados
Contact phone number	(656) 688 48 58 ó ext. 4858
Contact EMAIL	agranados@uacj.mx
Contact address	Av. Del Charro y Calle Henry Durant
Contact FAX number	688 4813

Name of dataset	Extending the useful life of an Aquifer through Desalination.
Actual data elements/variables	Water quality, Well location, Piezometric data.
Source(s) of data	JMAS, UACJ – IIT (CIG), INEGI.
Spatial extent	Cd. Juárez, Chih.
Data gathered or updated	August 2003
Frequency of data	August 2003
Format of digital file	*.SHP, *.XLS.
Restrictions on use	Open
Means of accessing data	Web page
URL where data are housed, if available on line	http://cig.uacj.mx
Additional metadata	