Marine Corps Base
Camp Lejeune, North Carolina

Integrated Geographic Information Repository (IGIR)
Data Catalog

December 1998

Prepared by the

Geographic Information Systems (GIS) Office
Environmental Management Department
Marine Corps Base
Camp Lejeune, North Carolina
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NOTE TO THE READER:

The **IGIR Data Catalog - December 1998** is prepared and published by the Geographic Information Systems (GIS) Office, Environmental Management Department, Marine Corps Base, Camp Lejeune, North Carolina. It is provided For Official Use Only and is intended for use by Camp Lejeune personnel and the Contractors or government agencies doing work for Camp Lejeune.

This Data Catalog represents the comprehensive collection of geographic information contributed by various Base organizations to the Command Integrated Geographic Information Repository (IGIR), a geographic information systems based collection of spatial data layers, images, drawings, and related databases. For a complete description of the IGIR, please refer to the Executive Summary provided in this data catalog.

In cooperation with other base organizations, the mission of the GIS Office is to build and maintain the IGIR. Located in Building 58, the Staff of the GIS Office would like to thank you for the opportunity to serve you, and we sincerely hope that your geographic information needs are being met. We have an open door for anyone interested in learning more about the IGIR, it's VISION of INTEGRATION, or how to use the GIS to meet mission requirements. We would appreciate getting your feedback on this Data Catalog so that we can improve our services and the data provided. Please feel free to contact the GIS Office if we can be of further assistance.

GIS Office Staff Members:

Ms. Lynn Phillips,
Manager, GIS Office

Ms. Frances Railey,
GIS Database Analyst

Mr. Michael Becker,
GIS Systems Analyst

Ms. Makeba Fussell,
GIS Computer Assistant

You can reach the GIS Office at:

(910) 451-5876, telephone
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Mailing address is:

Commanding General
(AC/S EMD - GIS Office)
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

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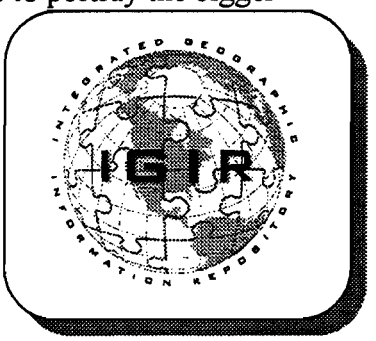
INTEGRATED GEOGRAPHIC INFORMATION REPOSITORY

Visually representing the element of geography hidden in most data lets you see the bigger picture...and once you see where, you begin to see why.

Executive Summary.

At Marine Corps Base, Camp Lejeune, North Carolina, an Integrated Geographic Information System (GIS) and Environmental Data Management Program have brought Camp Lejeune decision makers together on common ground, using common data sets and a common language to reach a common goal: Improve Base Operations in Support of Military Readiness, Environmental Sustainability, Quality of Life, and Modernization of Marine Corps Base, Camp Lejeune.

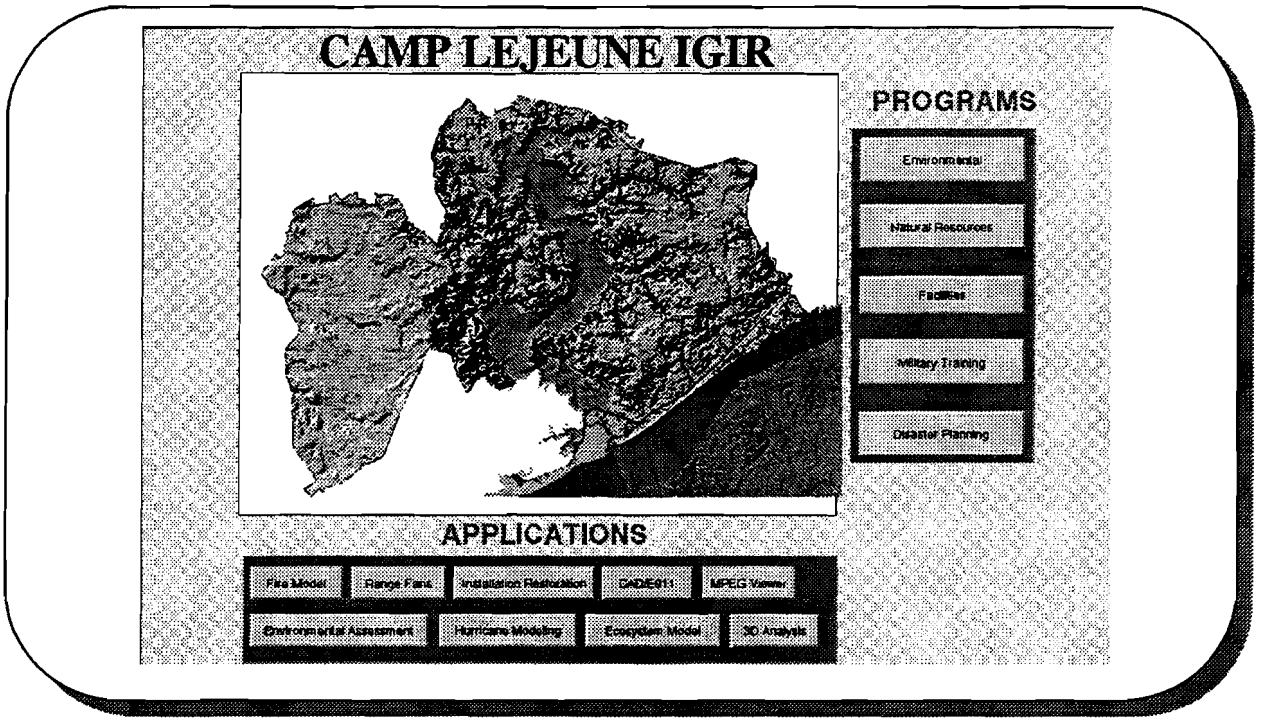
Capitalizing on investments in data and resources, many organizations at Camp Lejeune are working together to proactively leverage a technology which helps to portray the bigger picture and assists in making informed decisions. Hidden in most data is a geographical component that can be tied to place; i.e., a building number, a training area, or endangered species site. Using geographic information systems (GIS) technology, we can visualize and analyze data by location, reveal hidden patterns, relationships, and trends that are not readily apparent using any other technology. GIS provides a reliable system for integrating data, performing analysis on key issues, and visualizing results on presentation-quality maps and data displays. Geography as the key, brings all of the information together and often once you see where something is occurring, you can begin to see why.



The IGIR Logo, Created by the GIS Office, represents the IGIR's Vision of Integration

Established by the Commanding General in August 1992 and implemented as the Command Integrated Geographic Information Repository (IGIR), Camp Lejeune's integrated GIS has become a critical part of the Base's information infrastructure and serves as a tool to aid in decision making and process improvement. The IGIR operates over a distributed network of Unix workstations and Windows-based desktop computers which allows data sharing and multi-user access by Base organizations to a comprehensive IGIR database of over 220 data layers of geographic information, along with links to external databases, aerial photography, CAD files, and images. Managed by the GIS Office, Environmental Management Department (EMD), the IGIR is a shared resource which actively supports environmental planning, compliance, and restoration; natural and cultural resource management; military training and airfield operations; facilities planning, utilization, and maintenance; disaster planning/recovery and emergency response; security, safety, communications, logistics, and recreation.

As a window to the geography of Camp Lejeune, environmental and natural resources initiatives capitalize on the integrated GIS by mapping items such as PCB sites, hazardous waste generation and accumulation points, used oil storage sites, recycling bin locations, and pollution abatement facilities. These data layers and tables, along with the topological, drainage, water resources, etc., layers are used for disaster planning and preparedness, risk management and emergency response plans. Using the data contained in the IGIR, resource conservation and recovery specialists can quickly tell concerned organizational commanders where to focus their management energies based on the location, type, quantity, and frequency of waste generation under his or her cognizance.



The IGIR's geographic information and site attribute data are being continuously updated and expanded, and are critical to planning construction, operation, maintenance, and renovation of facilities, transportation systems and military training areas. Coverages of forested areas, wetlands, endangered species sites, and other protected resources along with on-site evaluation by specialists allows action sponsors to perform quick analysis of proposed projects and eliminate unfeasible alternatives, thereby allowing a much more efficient use of critical planning funds. Environmental impact reviews for projects such as the Highway 17 bypass, waterborne refueling, airfield runway extension, mechanized maneuver course, and housing privatization are greatly benefited by the use of the IGIR. Serving as a common language, Facilities Planners and Environmental Specialists work together from common data sets to assess environmental impacts. The IGIR is critical to identification and mediation of the impacts to the natural and human environment of proposed actions aboard Camp Lejeune. It's with management tools such as the IGIR, and partnerships with other Camp Lejeune organizations, state and federal agencies, that successful environmental sustainability initiatives can be achieved.

Background.

The IGIR is a Marine Corps Base, Camp Lejeune, North Carolina, GIS database designed to integrate geographic information about Camp Lejeune into one shared resource which serves as a strategic component of the Command's information infrastructure. Building on EMD's existing GIS as a foundation, the IGIR was established by letter of the Commanding General (CG), Marine Corps Base, on 25 August 1992 to "effect the integration and interoperability of land utilization and geographic data sources aboard the Marine Corps Base, Camp Lejeune, North Carolina."

As stated in the CG's letter, "Camp Lejeune utilizes three distinct but related sources of geographic information: the New River Special Training Chart (Military Installation Map), the Land Use Management System (EMD's existing GIS used for natural resources management), and the Public Works Division Existing Situation Maps. Different database formats, datums, and map projections prevent accurate interchange of these common areas of geographic information. Significant discrepancies exist between these three geographic information sources. A coordinated approach to the development of an integrated geographic, training and facilities information repository can achieve the interoperability of data which is now often inconsistent and discontinuous."

The CG appointed an Executive Steering Committee (ESC) and a Project Working Group (PWG) to oversee development of the IGIR. The ESC is co-chaired by the Assistant Chiefs of Staff, Management Support and Environmental Management, and includes the Assistant Chiefs of Staff from the following Departments: Training, Education and Operations; Facilities, and Installation Security and Safety. The PWG is comprised of appointed representatives from the same five departments and a representative from the Marine Corps Air Station, New River.

Managed by the GIS Office, EMD, the IGIR has evolved to a comprehensive database of environmental, natural and cultural resources, military training, facilities, utilities, communications, safety, security, emergency response, and disaster preparedness information. The IGIR system is comprised of innovative computer hardware, software, and telecommunication infrastructure which provide the means to create, maintain, organize, access, interpret, and analyze the geographic data. Using ArcView GIS software as the interface tool, Base personnel access and link Autocad files, dbf compatible database files, image files, digital orthophotography, and the GIS data maintained in the Tri-Services Spatial Data Standards format on Unix workstations running Arc/Info software. The IGIR gives Base personnel from multiple organizations the impressive capability to successfully answer questions related to geographic inventory, analysis, and modeling. Serving as a common language, the IGIR actively supports the Command as an aid in strategic planning and critical decision making by providing geographic information to IGIR users, managers, contractors, and government agencies.

Purpose.

- Integrate geographic information maintained in disparate computer systems by different organizations into an interoperable, shared resource (or common repository) of geographic information about Marine Corps Base, Camp Lejeune.
- Develop the IGIR by organizing, normalizing, and documenting the data and creating new applications to aid in its use.
- Embrace new geographic capabilities, new pertinent geographic data, and new methods to support the mission of Marine Corps Base, Camp Lejeune, North Carolina.
- Assure the quality of the data, maintain the repository, provide the appropriate system access and data security measures.
- Support the day to day operations of the IGIR, its system and its users.

Benefits.

- Helps identify information critical to the decision making process.
- Allows the user access to more information in a timely manner.
- Insures interoperability and compatibility.
- Reduces duplication of effort in obtaining and maintaining geographic data.
- Improves the quality of the data by offering higher accuracy data sets and insuring data consistency.
- Serves as a Data Clearinghouse for projects, contracts, and studies.
- Improves process time and effectiveness, and facilitates process improvement steps.
- Improves communication between organizations.
- Directly contributes to achieving the goals of the Commandant's Planning Guidance: Improve operational readiness, quality of life, and modernization of Marine Corps Base, Camp Lejeune.
- Complies with Executive Order 12906 dated April 11, 1994 and other federal initiatives regarding Coordinating Geographic Data Acquisition and Access

Vision.

The IGIR's Vision of Integration brings pieces of the puzzle together into one complete picture so that information needed for cross-functional planning, project coordination, strategic planning, or critical decision making is available to all who need it.
With the IGIR, we have seen that automation is successful when it partners with integration and interoperability to build a seamless transportation highway for information interchange. Data Managers in various departments each maintain ownership and control over their own information and routinely provide it to a central Data Warehouse enveloped by the IGIR. Together with a strong vision of integration, top-down support, and interdepartmental cooperation (or teamwork), Marine Corps Base, Camp Lejeune is successfully leveraging geographic information systems technology to capitalize on investments in data and information resources.

IGIR DATA DEVELOPMENT

IGIR Data Ownership: The data layers represented in the IGIR Data Catalog are each owned by the relevant subject matter expert (SME) listed as the Point of Contact. As such, each data layer is updated at different intervals and frequencies as determined by the SME. It is important to reference the page which corresponds to the data layer you may be using to ascertain the date the layer was last updated. The December 1998 date of this Data Catalog simply reflects the date the catalog was compiled, not the currency of the data layers. New data layers currently under development are not included in the IGIR Data Catalog.

IGIR Data Accuracy: Data layers are created and updated from various sources and are, therefore, at different levels of geographic accuracy. For example, data collection methods such as GPS or survey points are usually more accurate geographically than data obtained from sources such as USGS or SCS. The accuracy of the attribute information within each data layer such as timber compartment number or building number is the responsibility of the SME. Through interdepartmental participation, the objective of the IGIR is to provide IGIR users with current, accurate, and useful geographic information about Marine Corps Base, Camp Lejeune, North Carolina.

IGIR Data Structure: All geographic information is being developed or modified to reflect a structure consistent with the latest release of the Tri-Services Spatial Data Standards (TSSDS). As necessary, modifications to the Standard are approved if it is determined that TSSDS does not adequately address subject datasets. For more information on TSSDS, contact:

Director, U.S. Army Engineer Waterways Experiment Station
Tri-Services CADD/GIS Technology Center
Attn: CEWES-IM-DA/Smith
3909 Halls Ferry Road
Vicksburg, MS 39180-6199
(800) 522-6937

IGIR Documentation: The IGIR Data Catalog contains documentation consistent with the "Contents Standards for Digital Geospatial Metadata, June 1994" published by the Federal Geographic Data Committee. For more information on the FGDC metadata standards, contact:

FGDC Secretariat
c/o U.S. Geological Survey
590 National Center
Reston, Virginia 22092
(703) 648-5514

The "Key to Data Definitions" on page xviii is important to understand in greater detail the information being presented in this Data Catalog.

SYSTEM DESCRIPTION

Hardware:	Sun Ultra Enterprise 3000 & Sun Sparc 10 Workstations
Operating System:	Solaris 2.6 (UNIX Operating System)
GIS Software:	ArcView version 3.0 and ARC/INFO version 7.1.2
Coordinate System:	Universal Transverse Mercator (UTM) meters GRS1980 Spheroid North American Datum 1983
Export Formats:	ARC/INFO, DXF, ASCII
Media:	8mm tape, 3.5" diskettes, Zip and JAZ diskettes and CD-ROM

DATA DISTRIBUTION RESTRICTION STATEMENT

* Distribution authorized to U.S. Government agencies and their contractors only (contains technical or operational information). For Official Use Only (FOUO) data will not be duplicated nor will there be secondary distribution of the original data without written approval from the Assistant Chief of Staff, Environmental Management. Data will be transmitted via First Class mail or parcel post. Data shall be kept secure. Upon termination of use, the electronic media shall be returned to the Manager, Geographic Information Systems Office, Environmental Management Department, Marine Corps Base, Camp Lejeune, North Carolina. All data shall be removed from agency and contractor computer systems.

Although every effort has been made to ensure the accuracy of information, errors and conditions originating from physical sources used to develop the database may be reflected in the data supplied. The requester must be aware of data conditions and ultimately bear responsibility for the appropriate use of the information with respect to possible errors, original map scale, collection methodology, currency of data, and other conditions specific to certain data.

Several of the data sets listed are routinely updated and/or sensitive in nature. Special instructions are noted in the description of those layers.

The GIS Office does not support the use of redistributed data sets.

The use of trade names or commercial products does not constitute their endorsement by the Geographic Information Systems Office or Marine Corps Base, Camp Lejeune.

Address all comments, changes, or requests for additional IGIR data layers to:

Commanding General
Attn: AC/S-EMD, (Manager, GIS Office)
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

REQUESTS FOR DATA OR MAPS

When requesting IGIR digital data or maps, please use the "GIS Project Request Form" found on the next page. Refer all requests for data or maps to:

Assistant Chief of Staff, Environmental Management
(Attn: Manager, Geographic Information Systems Office)
Marine Corps Base, Camp Lejeune, North Carolina

Telephone: (910) 451-5876 Fax: (910) 451-8913

Mailing Address: Commanding General
(AC/S-EMD, GISO)
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

Physical Address: Geographic Information Systems Office
Environmental Management Department
Building 58, Virginia Dare Drive
Marine Corps Base, Camp Lejeune, NC 28542-0004

REQUESTS FOR TECHNICAL ASSISTANCE

The GIS Office coordinates user training and provides technical assistance on GIS projects. Refer requests for technical assistance to:

Ms. Frances Railey (GIS Analyst)
Mr. Michael Becker (GIS Analyst)
Ms. Makeba Fussell (GIS Systems Administrator)
Ms. Lynn Phillips (GIS Manager)

Instructions for completing the GIS PROJECT REQUEST FORM

Type = **MAP** or **DATA**
Enter **MAP** if the request is for map products
Enter **DATA** if the request is for a copy of IGIR data layers to support a project

Description of the Request = Describe exactly what is being requested; i.e. "Create a Map to show Red-Cockaded Woodpecker habitat on Camp Lejeune"

Purpose for the Request = Identify for what purpose the map or data will be used

Title of the Map = Enter the exact Title you wish to appear on the Map

Map Scale = Enter **AUTO** if you do not have a scale preference (the scale will be automatically configured based on the area of information displayed) -or- Enter the map scale required; i.e., 1:24,000 or 1:50,000

Map Size = If you selected a specific scale, then Enter **AUTO** here, -or- If you said AUTO to map scale, then select from the following page sizes:
A for 8-1/2 x 11" **B** for 11 x 17" **C** for 17 x 22"
D for 22 x 34" **E** for 34 x 44"

Quantity = Enter how many copies of the map are needed

Existing IGIR Data Layers to Be Used = From the IGIR Data Catalog, write down the name of the data layers which should be displayed on the map

New IGIR Data Layers to be Created = If you have new information to map which does not exist in the IGIR database, list it here (i.e., bike trails)

Data Source of the New Data Layers = If a new data layer is to be added, list the source of that data; i.e., coordinates obtained with a GPS receiver, Autocad files, hard copy maps

# of Data Layers = The total number of data layers which need to be copied

List of Data Layers Requested = From the IGIR Data Catalog, list the name of each data layer to be copied; Attach a separate page listing layers if the list exceeds this block

Export Format = Ask whoever will receive the data what format they require it in; i.e., ARC/INFO export, DXF. Note: Routinely, ARC/INFO export format is used; however, other export formats can be used

Media Type = **8mm tape** (5GB) routinely used; ZIP & JAZ diskettes, CD-ROM and FTP available.

Deliver Data to (full mailing address) = Include the Agency or Contractor's Name, full mailing address and telephone number

GIS Project Request Form

REQUESTOR INFORMATION - Please provide the following information:

Date of Request:

Type (Map/Data):

Request by Date:

Requestor's Name:

Department:

Division/Organization:

Phone:

Description of Request

Purpose for the Request

MAP INFORMATION - If requesting a map, please provide the following information:

Title of the Map(s):

Map Scale:

Map Size:

Quantity:

Existing IGIR Data Layers To Be Used (As Listed in the IGIR Data Catalog):

New IGIR Data Layers to be created for this request:

Data Source of the New Data Layers to be Created (GPS, CAD files, Hard Copy, etc.):

DATA REQUEST - If requesting a copy of GIS data layers, please provide the following information:

Study or Contract Data Request Supports:

Agency or Contractor Name:

# of Data Layers:

List of Data Layers Requested (As Listed in the IGIR Data Catalog):

Export Format:

Media Type:

Camp Lejeune EIC or Project Manager's Name (If different than requestor):

Deliver Data to (POC, full mailing address and telephone number):

Please send, phone, or fax your Request to:

Commanding General
Assistant Chief of Staff, Environmental Management Dept.
(Attn: Manager, GIS Office)
PSC Box 20004, Marine Corps Base
Camp Lejeune, North Carolina 28542-0004
Telephone (910) 451-5876 or Fax (910) 451-8913

GLOSSARY AND ACRONYMS

AC/S	Assistant Chief of Staff
APMM	Activity Planning & Management Model
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CGIA	Center for Geographic Information and Analysis
DEM	Digital Elevation Model
DLG	Digital Line Graph
DMA	Defense Mapping Agency
EDMS	Environmental Data Management System
EMD	Environmental Management Department
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ESC	Executive Steering Committee
ESRI	Environmental Systems Research Institute, Inc.
FAC	Facilities Department
FEMA	Federal Emergency Management Agency
FGDC	Federal Geographic Data Committee
FOUO	For Official Use Only
GIS	Geographic Information Systems
GISO	Geographic Information Systems Office
GPS	Global Positioning System
GSRA	Greater Sandy Run Area
HAZMAT	Hazardous Material
HAZWASTE	Hazardous Waste
IGIR	Integrated Geographic Information Repository
IR	Installation Restoration
IRP	Installation Restoration Program
LANDSAT	Thematic Mapper Satellite Imagery
MCAS-NR	Marine Corps Air Station, New River
MCB	Marine Corps Base
MILCON	Military Construction Unit
MSD	Management Support Department
NACIP	Naval Assessment Control Installation Pollutant
NAD	North American Datum
NAVFAC	Atlantic Division, Naval Facilities Engineering Command
NC	North Carolina
NC CGIA	North Carolina Center for Geographic Information and Analysis
NC DENR	North Carolina Department of Environment and Natural Resources
NC DOT	North Carolina Department of Transportation
NPDES	National Pollution Discharge Elimination System
NWI	National Wetlands Inventory
ODS	Ozone Depleting Substance
PCB	Polychlorinated Biphenyls
POC	Point of Contact
PW	Public Works
PWD	Public Works Department
PWG	Project Working Group
RCW	Red-Cockaded Woodpecker
R-EDMS	Radian - Environmental Data Management System
SCS	Soil Conservation Service

SDWA	Safe Drinking Water Act
SLOSH	Sea, Lake, and Overland Surges from Hurricanes
SME	Soils and Materials Engineers
TE&O	Training, Education and Operations Department
TSSDS	Tri-Service Spatial Data Standards
USFS	United States Forest Service
USGS	United States Geological Survey
USMC	United States Marine Corps
UST	Underground Storage Tank
UTM	Universal Transverse Mercator
WAN	Wide Area Network
WWTP	Waste Water Treatment Plant

KEY TO DATA DEFINITIONS

The data descriptions used in this catalog are taken from the Tri-Services Spatial Data Standards (TSSDS). The metadata (data about data) is captured using ARC/INFO and DOCUMENT.AML and is presented in accordance with the Federal Geographic Data Committee (FGDC) Metadata Standards. The metadata accompanies digital data when it is distributed in ARC/INFO format. Metadata is also available in hard copy format.

Description — Textual description of the data layer, including any restrictions on a dataset.

File Name — The ARC/INFO file name of the digital file assigned according to the TSSDS.

Attribute Information — Identification of feature type as point, arc (line), or polygon (area), and the major fields of attribute data associated with each particular data type. If no attributes are present, "System attributes only." is printed.

Time Period of Content — The date, or range of dates, that represents when the data was collected or prepared.

STATUS:

Progress — In Progress (In Revision or Under Review) or Completed.

Maintenance and Update Frequency — The time frame in which the data is scheduled to change or be updated.

Last Update — The most recent date when the data was updated or revalidated.

SOURCE INFORMATION:

Source Scale — Ratio of the distance between two features on a graphic representation of a dataset, and the corresponding distance on the ground. The largest recommended scale of use of the particular dataset.

Media — The original source/format of the data before it was converted to it's current digital form.

Process Description — Explanation of the steps involved in creating the data layer.

SPATIAL REFERENCE SYSTEM:

Coordinate System — The coordinate system defined in the data layer. The current standard is Universal Transverse Mercator (UTM) meters, GRS1980 spheroid.

Horizontal Datum — The horizontal and vertical control system used to define coordinate location is North American Datum (NAD) 1983.

Contributors — The agency(s) that contributed to the creation/collection of the data. See Glossary and Acronyms for a complete listing of agency acronyms.

Point of Contact — The subject matter expert or person responsible for the data layer and his/her telephone number.

SECTION 1

CAMP LEJEUNE

DATA LAYERS

This data is accessible on-line by IGIR System Users

NOTICE

Although every effort has been made to ensure the accuracy of information, errors and conditions originating from physical sources used to develop the database may be reflected in the data supplied. The requester must be aware of data conditions and ultimately bear responsibility for the appropriate use of the information with respect to possible errors, original map scale, collection methodology, currency of data, and other conditions specific to certain data.

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Commanding General
Attn: AC/S-EMD, (Manager, GIS Office)
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

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Auditory - Noise from Air Operations

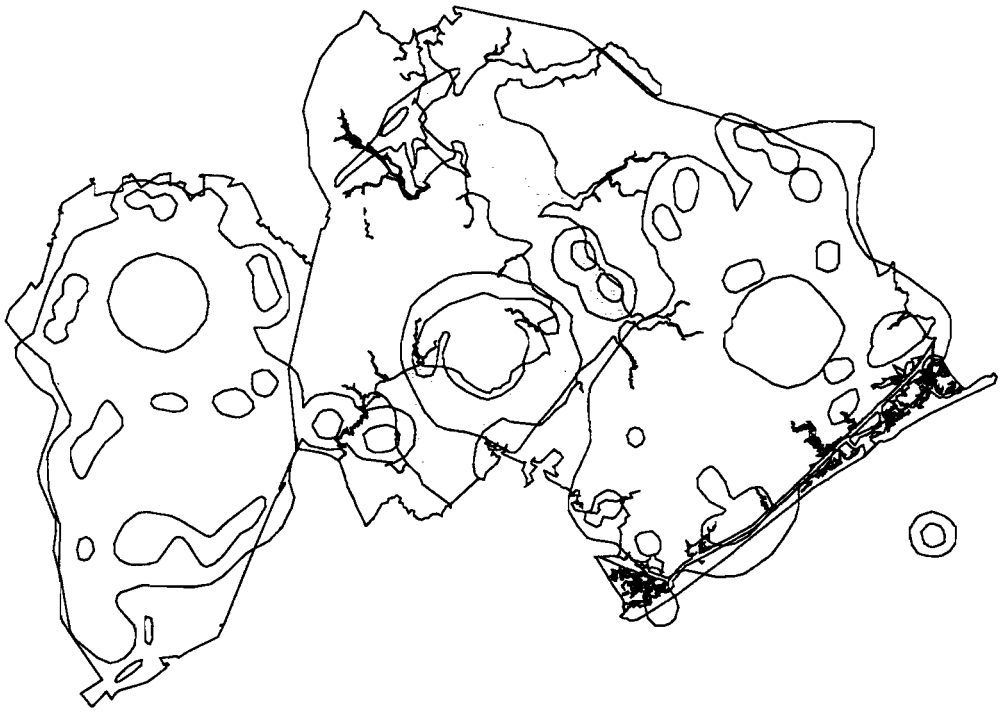
Description	**Noise from Air Operations**	
File Name	**aunoiarg**	
Attribute Information	**Arcs attributed by zone. Polygons have system attributes only.**	
Time Period of Content	**1989-1996**	
Status	Progress:	**Complete - Last Update 9/13/96**
	Maintenance and Update Frequency:	**Every 2 years or as needed.**
Source Information	Scale:	**1:4800**
	Media:	**U.S. Army Environmental Hygiene Agency, Bioacoustics Division Environmental Noise Study 52-34-0612-90**
Process Description:	**Contractor Radian digitized the coverage from hardcopy maps published as part of the Noise Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**

Auditory - Noise from Existing Range Area

Description	**Noise from Existing Range Areas**	
File Name	**aunoierg**	
Attribute Information	**Arcs attributed by zone. Polygons have system attributes only.**	
Time Period of Content	**1989-1996**	
Status	Progress:	**Complete - Last Update 9/13/96**
	Maintenance and Update Frequency:	**Every 2 years or as needed.**
Source Information	Scale:	**1:4800**
	Media:	**U.S. Army Environmental Hygiene Agency Environmental Noise Study 52-34-0612-90**
Process Description:	**Contractor Radian digitized the coverage from hardcopy maps published as part of the Noise Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**

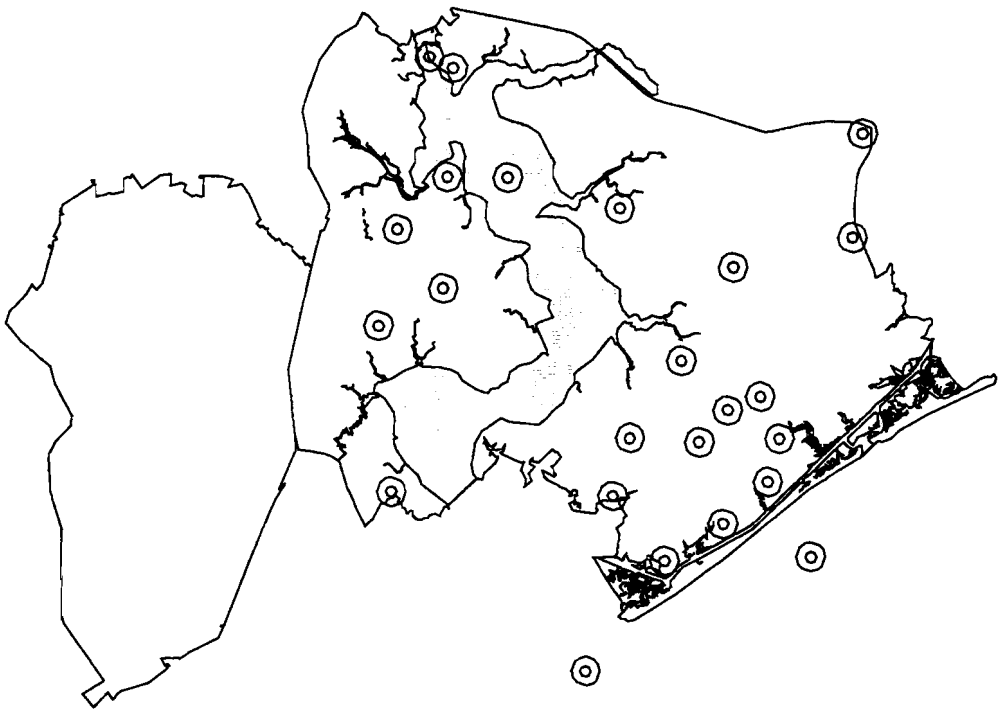
Auditory - Noise from Future Range Area

Description	**Noise from future range areas.**	
File Name	**aunoifrg**	
Attribute Information	**Arcs attributed by zone. Polygons have system attributes only.**	
Time Period of Content	**1989-1996**	
Status	Progress:	**Complete - Last Update 9/13/96**
	Maintenance and Update Frequency:	**Every 2 years or as needed.**
Source Information	Scale:	**1:4800**
	Media:	**U.S. Army Environmental Hygiene Agency Environmental Noise Study 52-34-0612-90**
Process Description:	**Contractor Radian digitized from hardcopy maps published as part of the Noise Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**



Auditory - Noise from TLZs

Description	**Noise From Tactical Landing Zones.**	
File Name	**aunoitlz**	
Attribute Information	**Arcs attributed by zone. Polygons have system attributes only.**	
Time Period of Content	**1989-1996**	
Status	Progress:	**Complete - Last Update 9/13/96**
	Maintenance and Update Frequency:	**Every 2 years or as needed.**
Source Information	Scale:	**1:4800**
	Media:	**U.S. Army Environmental Hygiene Agency, Bioacoustics Division Environmental Noise Study 52-34-0612-90**
Process Description:	**Contractor Radian digitized hardcopy maps published as part of the Noise Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**



Auditory - Noise Sources (Not Range Area)

Description	**The location of a source of noise, excluding ranges.**	
File Name	**aunoisrc**	
Attribute Information	**Points attributed for source, stack, and ID.**	
Time Period of Content	**1989-1996**	
Status	Progress:	**Complete - Last Update: 9/13/96**
	Maintenance and Update Frequency:	**Every 2 years or as needed.**
Source Information	Scale:	**1:4800**
	Media:	**U.S. Army Environmental Hygiene Agency Environmental Noise Study No. 52-34-0612-90**
Process Description:	**Contractor Radian digitized hardcopy maps published as part of the Noise Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**

Boundary - Developed Area Boundaries

Description	**Defines and describes the commonly used boundaries of built-up areas on the base**	
File Name	**bdjurbas**	
Attribute Information	**Polygons attributed by area name, building prefix designation, and range prefix designation.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - Last Update: 12/7/98**
	Maintenance and Update Frequency:	**As needed.**
Source Information	Scale:	**1:4800**
	Media:	**On-screen digitizing from ARCView with buildings/roads in background.**
Process Description:	**Polygons were established using on-screen digitizing with orthophotos as a backdrop to outline commonly accepted boundaries for the areas of interest on the base.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Buildings - Canopies

Description	**Canopies, Covered Walkways or Pavillions**	
File Name	**bggencan**	
Attribute Information	**System attributes only.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**As needed**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McCallister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current BGGENCAN coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and converted dxf-layer = BLDGOTLN or BLDGCHUR or BLDGFOND or BLDGRUIN or BLDGDECK or HIDDEN vectors into Arc/INFO format.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Buildings - Existing Building Foundations

Description	**Building Foundations for structures not full standing at the time of the photography.**	
File Name	**bggenfnd**	
Attribute Information	**System attributes only.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Every 2-3 years.**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current BGGENFND coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and converted dxf-layer = BLDGOTLN or BLDGCHUR or BLDGFOND or BLDGRUIN or BLDGDECK or HIDDEN vectors into Arc/INFO format.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Buildings - Existing Buildings

Description	**Existing Buildings with building number annotation feature.**	
File Name	**bggenexs**	
Attribute Information	**Buildings are attributed by area, perimeter, building number and centroid coordinates.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 10/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current BGGENEXS coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and converted dxf-layer = BLDGOTLN or BLDGCHUR or BLDGFOND or BLDGRUIN or BLDGDECK or HIDDEN vectors into Arc/INFO format. These data were combined with Facilities shapefiles to complete the layer.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Buildings - Existing Sheds

Description	**Sheds**	
File Name	**bggenshd**	
Attribute Information	**Polygons are attributed by structure number.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Every 2-3 years.**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics, Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current BGGENSHD coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune, and comments provided by Base Facilities personnel. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and converted dxf-layer = BLDGOTLN or BLDGCHUR or BLDGFOND or BLDGRUIN or BLDGDECK or HIDDEN vectors into Arc/INFO format.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Buildings - Scheduled Building Demolition

Description	**Buildings Scheduled for Demolition.**	
File Name	**bggendmo**	
Attribute Information	**Polygons attributed by building number.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**As needed**
Source Information	Scale:	**1:2400**
	Media:	**Facilites, Public Works Division**
		Shapefile provided from Milcon projects
Process Description:	**An ArcView shapefile was provided by the Facilities Department, Public Works Division, which provided the polygons for the buildings. The shapefile was converted to an ARC/INFO coverage and attributed.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Buildings - Slabs

Description	**Slabs**	
File Name	**bggenslb**	
Attribute Information	**Polygons are attributed by slab material.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Every 2-3 years.**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current BGGENSLB coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. All AutoCAD rel. 12 data from AeroDynamics was converted to Arc/INFO 7.1.1 coverages and vectors with dxf-layer = ROADPADS were selected out to create BGGENSLB. The slab data was verified using Aero-Dynamics digital orthophotos and the 1984 base map of Camp Lejeune as a cross reference.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Buildings - Towers

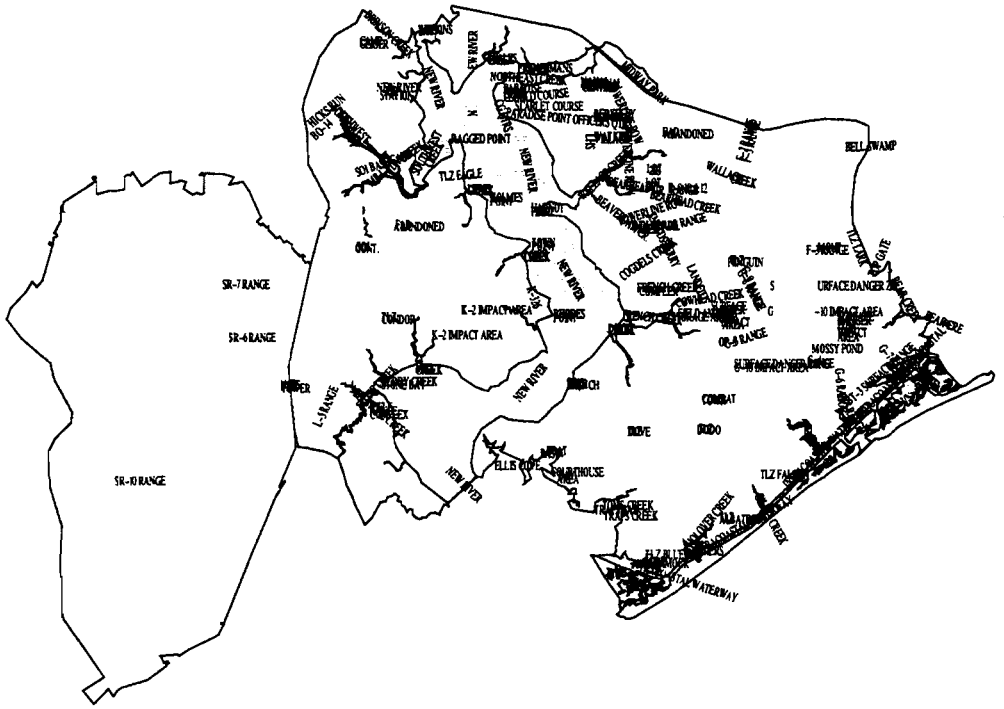
Description	**The Buildings General Tower data set consists of tower point data collected during a March 9, 1996 flyover of Marine Corps Base, Camp Lejeune, North Carolina.**	
File Name	**bggentwr**	
Attribute Information	**Polygons are attributed by structure number, general use and condition.**	
Time Period of Content	**03/09/96**	
Status	Progress: **Complete**	
	Maintenance and Update Frequency: **Every 2-3 years.**	
Source Information	Scale: **1:2400**	
	Media: **Eagan, McAllister Associates, Inc.**	
	Buildings General Tower Site	
Process Description:	**The original vector data for the current BGGENTWR coverage was gathered as part of an March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and converted dxf-layer = BLDGOTLN or BLDGCHUR or BLDGFOND or BLDGRUIN or BLDGDECK or HIDDEN vectors into Arc/INFO format. Existing IGIR Buildings-Existing data set contained values for building id.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Cadastre - Installation (Boundary)

Description	**Land and water owned or used by the military installation or facility.**	
File Name	**cddodins**	
Attribute Information	**Polygons are attributed by area name; GSRA, MAINSIDE, MIDWAY.**	
Time Period of Content	**1952-1993**	
Status	Progress:	**In Progress - Last Update: 11/15/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:24000,4800**
	Media:	**USGS and Public Works Digital Line Graphs, Real Estate Maps and Legal Descriptions**
Process Description:	**Data were purchased USGS Digital Line Graphs, Public Works Real Estate Maps, Camp Lejeune DXF file and GSRA Legal Description notes.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

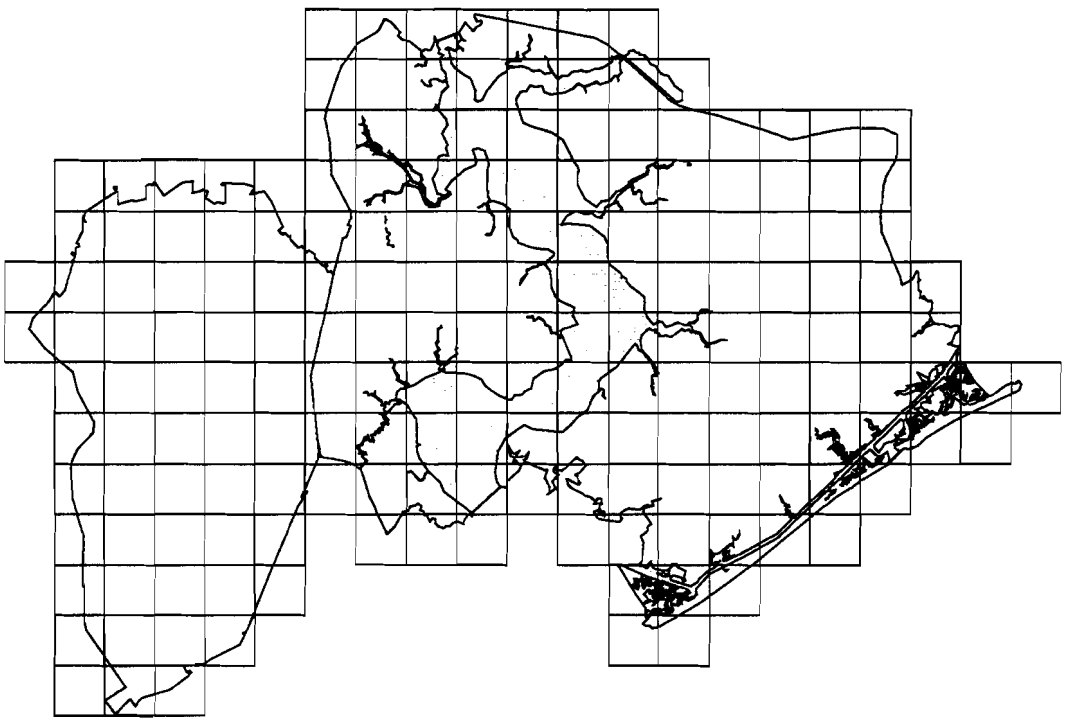
Common - Base Annotation

Description	**A general annotation coverage for various main features located on MCB Camp Lejeune, NC.**	
File Name	**cmgrdann**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1992-1998**	
Status	Progress:	**Complete - Last Update: 11/12/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**N/A**
	Media:	**On-screen placement in ARCEDIT.**
Process Description:	**Annotation was entered manually by GISO Staff.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**



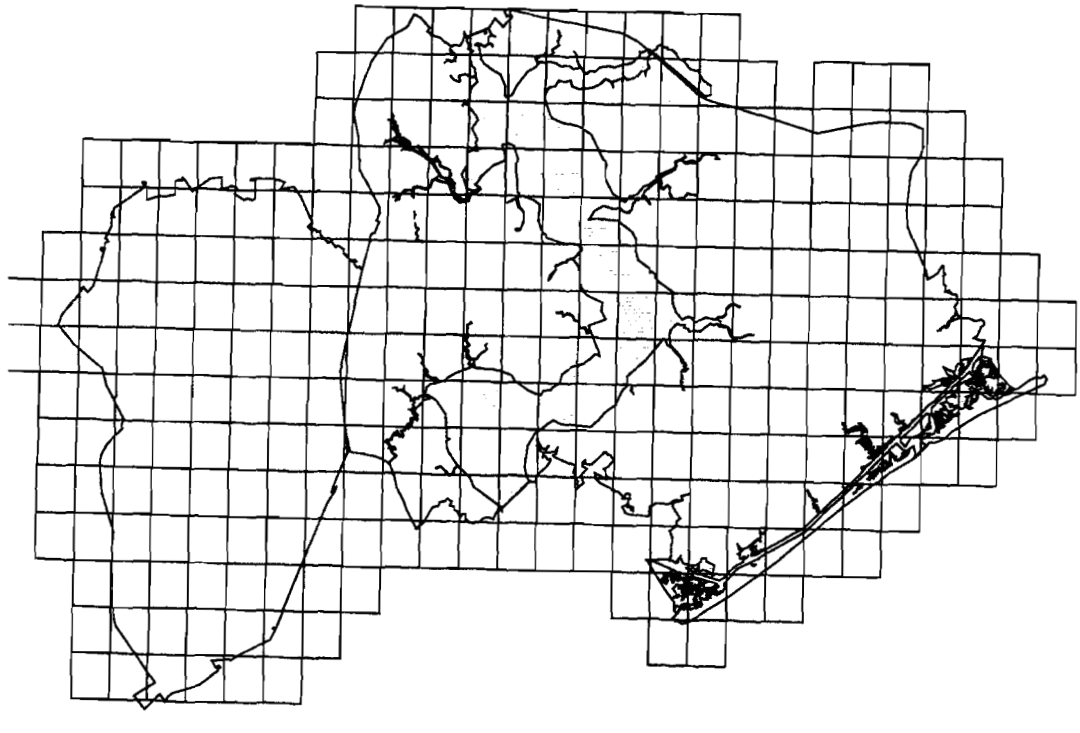
Common - Digital Orthos Flight Grid

Description	**Digital Orthophotography Flight Line Grid based on the UTM Grid System.**	
File Name	**cmgrdcga**	
Attribute Information	**Polygons attributed by tile number.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**None Planned**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The GENERATE <FISHNET> command was used to create the grid cells using the x,y coordinates from the Aero-Dynamics flyover data. The attribute items were then added and populated. The BUILD command was issued to give the cover polygon topology.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**



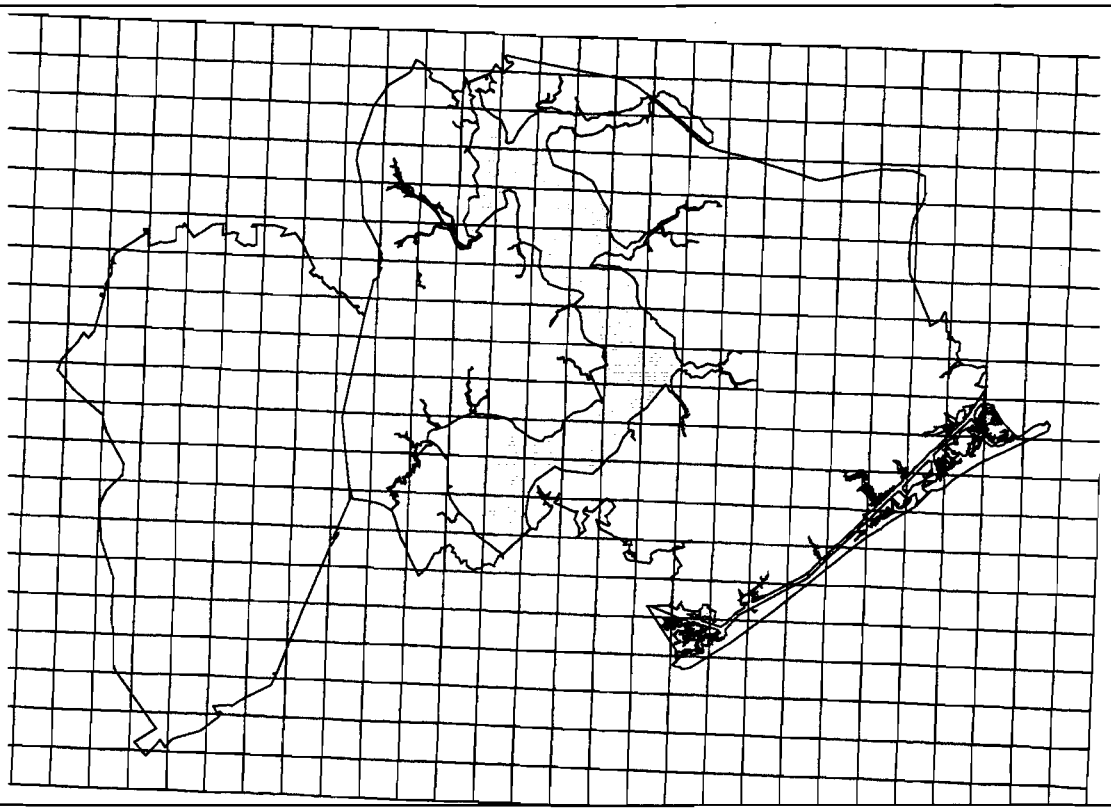
Common - Latitude-Longitude Grid Lines

Description	**An irregular pattern of horizontal and vertical lines used to represent Latitude and Longitude coordinate intervals along the x and y axis.**	
File Name	**cmgrdlln**	
Attribute Information	**Polygons attributed by township and range section and block numbers.**	
Time Period of Content	**N/A**	
Status	Progress:	**Complete - Last Update: 3/30/97**
	Maintenance and Update Frequency:	**None Planned**
Source Information	Scale:	**N/A**
	Media:	
Process Description:	**Data were Derived by GISO personnel - Grid generated by ARC/INFO.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**



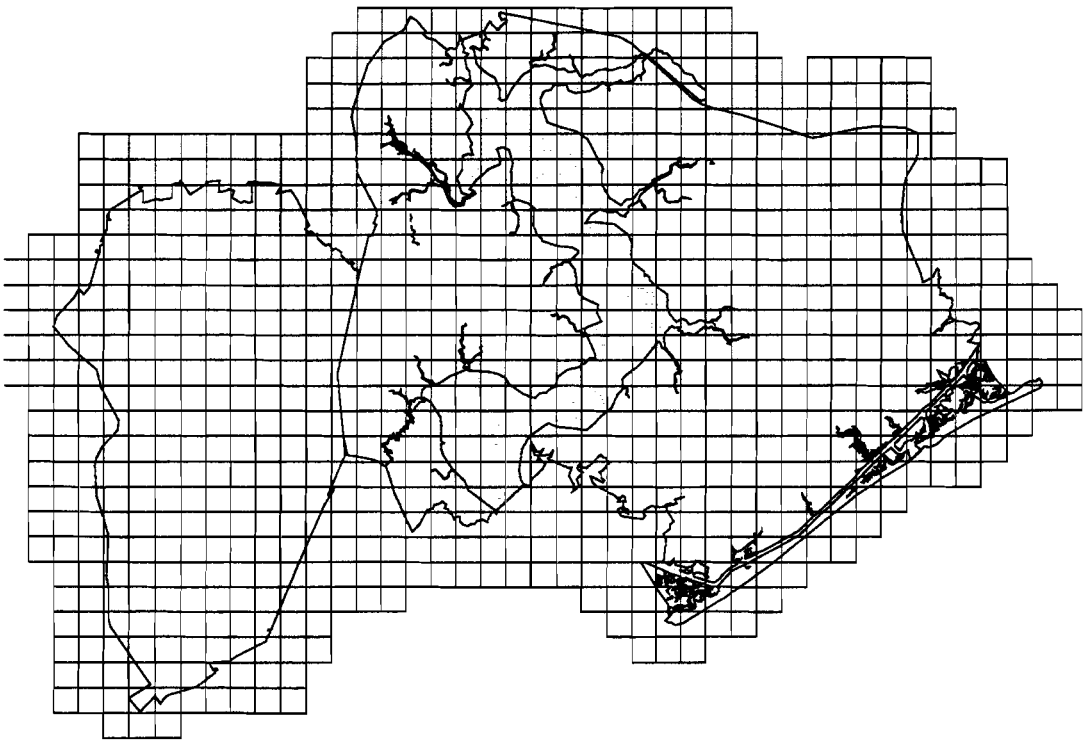
Common - Stateplane Grid Lines

Description	**An irregular pattern of horizontal and vertical lines used to represent North Carolina Stateplane coordinate intervals along the x and y axis. The units of measurement for these intervals are usually in feet.**
File Name	**cmgrdspl**
Attribute Information	**System attributes only.**
Time Period of Content	**N/A**
Status	Progress: **Complete - Last Update: 12/01/98** Maintenance and Update Frequency: **None Planned**
Source Information	Scale: **N/A** Media:
Process Description:	**Data were Derived by GISO personnel - Grid generated by ARC/INFO**
Spatial Reference System	Coordinate: **UTM GRS1980 Spheroid** Horizontal Datum: **NAD 1983**
Point of Contact	**Ms. F. Railey** **EMD, 451-5876**



Common - UTM Grid Lines

Description	**A regular pattern of horizontal and vertical lines used to represent Universal Transverse Mercator coordinate intervals along the x and y axis. These intervals are usually in units of meters.**	
File Name	**cmgrdutm**	
Attribute Information	**System attributes only.**	
Time Period of Content	**N/A**	
Status	Progress: **Complete - Last Update: 12/30/95**	
	Maintenance and Update Frequency: **None Planned**	
Source Information	Scale: **N/A**	
	Media:	
Process Description:	**Data were Derived by GISO personnel - Grid generated by ARC/INFO**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**



Communications - Telephone Line Direct Buried

Description	**Telephone Line Direct Buried**	
File Name	**cotelbur**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Base Telephone AutoCAD Drawings**
Process Description:	**Data were AutoCAD Drawings - Converted to ARC/INFO, georeferenced and rubber sheeted by Contractor Radian International.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Babner**	**MSD, 451-9441**

Communications - Telephone Line in Conduit

Description	**Telephone Line in Conduit**	
File Name	**cotelcon**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**In Progress - Last Update: 06/01/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Base Telephone AutoCAD Drawings**
Process Description:	**Data were AutoCAD Drawings - Converted to ARC/INFO, georeferenced and rubber sheeted by Contractor Radian International.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Babner**	**MSD, 451-9441**

Communications - Telephone Manhole

Description	**Telephone Manhole**	
File Name	**cotelmnh**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Base Telephone**
		AutoCAD Drawings
Process Description:	**Data were AutoCAD Drawings - Converted to ARC/INFO, georeferenced and rubber sheeted by Contractor Radian International.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Babner**	**MSD, 451-9441**

Communications - Telephone Pole

Description	**Telephone Pole**	
File Name	**cotelpol**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Base Telephone AutoCAD Drawings**
Process Description:	**Data were AutoCAD Drawings - Converted to ARC/INFO, georeferenced and rubber sheeted by Contractor Radian International**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Babner**	**MSD, 451-9441**

Communications - Telephone Repeater

Description	**Telephone Repeater**	
File Name	**cotelrep**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Base Telephone**
		AutoCAD Drawings
Process Description:	**Data were AutoCAD Drawings - Converted to ARC/INFO, georeferenced and rubber sheeted by Contractor Radian International.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Babner**	**MSD, 451-9441**

Communications - Telephone Riser Point

Description	**Telephone Riser Point**	
File Name	**cotelris**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Base Telephone AutoCAD Drawings**
Process Description:	**Data were AutoCAD Drawings - Converted to ARC/INFO, georeferenced and rubber sheeted by Contractor Radian International.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Babner**	**MSD, 451-9441**

Communications - Telephone Splice

Description	**Telephone Splice**	
File Name	**cotelspl**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Base Telephone**
		AutoCAD Drawings
Process Description:	**Data were AutoCAD Drawings - Converted to ARC/INFO, georeferenced and rubber sheeted by Contractor Radian International.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Babner**	**MSD, 451-9441**

Communications - Telephone Text

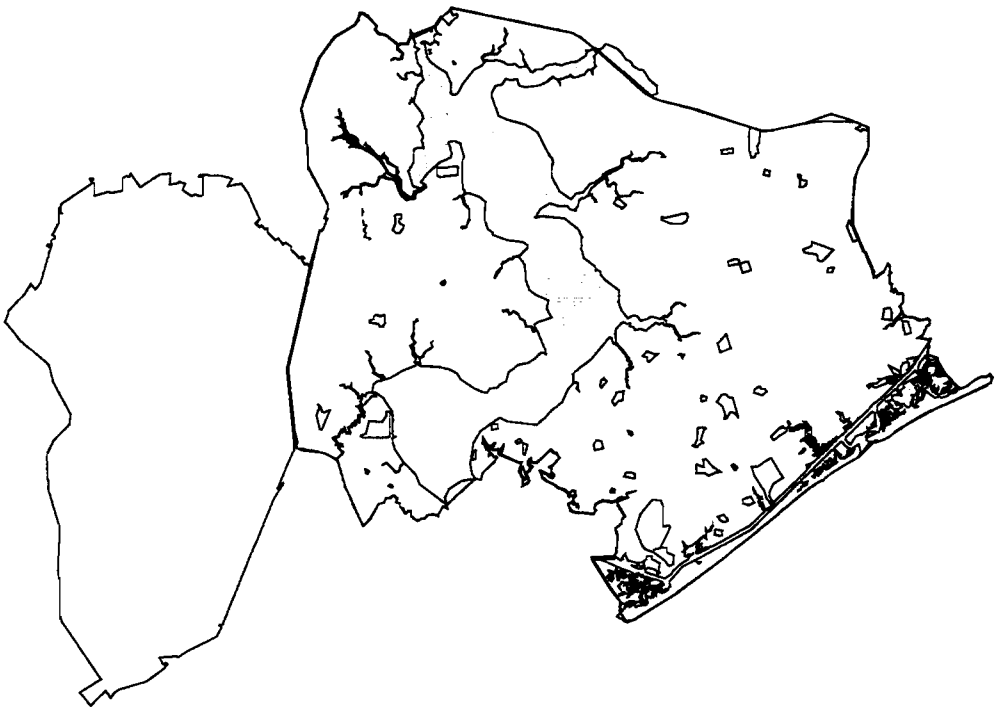
Description	**Telephone Text**	
File Name	**coteltxt**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Base Telephone AutoCAD Drawings**
Process Description:	**Data were AutoCAD Drawings - Converted to ARC/INFO, georeferenced and rubber sheeted by Contractor Radian International.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Babner**	**MSD, 451-9441**

Communications - Telephone Valve

Description	**Telephone Valve**	
File Name	**cotelvlv**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Base Telephone AutoCAD Drawings**
Process Description:	**Data were AutoCAD Drawings - Converted to ARC/INFO, georeferenced and rubber sheeted by Contractor Radian International.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Babner**	**MSD, 451-9441**

Cultural - Disturbed Zones

Description	**Former agricultural fields, reforested areas, military activity areas, and major built-up areas.**	
File Name	**crmgtotr**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1995**	
Status	Progress:	**Complete - Last Update: 12/1/95**
	Maintenance and Update Frequency:	**None Planned**
Source Information	Scale:	**1:50000**
	Media:	**DMA(now NIMA) and Heart of Carolinas Aerial Photos Inc. Combat Training Chart, 1989 aerial photos, and a 1938 photo of farmland**
Process Description:	**Data were Combat Training Chart, aerial photos, fieldwork - AutoCAD DXF conversion by Louis Berger and Associates.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**



Environmental - Above Ground Storage Tanks

Description	**Active Above Ground Storage Tank Locations.**	
File Name	**ehtnkast**	
Attribute Information	**Points attributed by tank id, contents, size, install date, regulatory status, deficiency and UTM coordinates.**	
Time Period of Content	**1996-1997**	
Status	Progress: **Complete - 9/12/97**	
	Maintenance and Update Frequency: **Annually**	
Source Information	Scale: **N/A**	
	Media: **Landmark/GPS**	
Process Description:	**Contractor Landmark used GPS to locate tanks. The file of coordinates was then used to create an event theme in ArcView, converted to shapefile, then converted to an ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. B. Ashton**	**EMD, 451-5063**

Environmental - Air Quality Discharge Points

Description	**Air quality discharge points.**	
File Name	**ehairedp**	
Attribute Information	**Points are attributed by station id, building number and UTM coordinates.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - Last Update 11/13/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**R-EDMS database**
		Air Pollution Discharge Points Summary Table
Process Description:	**Summary table from EDMS was used to match by building number to the buildings coverage and the X,Y coordinates were derived from the building centroids. The file was then used to create an event theme in ArcView, converted to a shapefile, then converted to an ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**

Environmental - Air Quality Pollution Devices

Description	**Air quality pollution control devices.**	
File Name	**chairctr**	
Attribute Information	**Points attributed by device id number, building number and UTM coordinates.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - Last update 11/13/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**R-EDMS database**
		Air Pollution Control Devices Summary Table
Process Description:	**The data were matched with the buildings coverage bggenexs and building centroids were used to populate the X-Y fields (the device locations are not known, only associated buildings). However, 10 points were located through GPS. The resulting table was used to create an event theme in ArcView, converted to a shapefile, then ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**

Environmental - Air Quality Pollution Stack

Description	**Air quality pollution stacks.**	
File Name	**ehairstk**	
Attribute Information	**Points are attributed by stack number, building number, and UTM coordinates.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - Last Update 11/13/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**R-EDMS database**
		Air Pollution Stacks Summary Table
Process Description:	**Table was matched to buildings coverage BGGENEXS by building number, and building centroids used for the location. The file was used to create an event theme in ArcView, converted to a shapefile, then converted into an ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**

Environmental - Anti-freeze Tanks

Description	**Location of Anti-freeze Tanks.**	
File Name	**ehhmwaft**	
Attribute Information	**Points attributed by building number, tank id and capacity.**	
Time Period of Content	**12/01/98**	
Status	Progress:	**In progress - Last Update 12/15/98**
	Maintenance and Update Frequency:	**Quarterly**
Source Information	Scale:	**1:12,000**
	Media:	**EMD, ECD**
Process Description:	**Data were transfered from spreadsheets to ARC/INFO, linked to building centroids then manipulated in ArcView to create a shapefile. Shapefile was then converted to a coverage in ArcInfo.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD, 451-5837**

Environmental - Closed Landfill Asbestos Bnd.

Description	**Boundary of Asbetos disposal for Closed Landfill in French Creek Area.**	
File Name	**ehswmlas**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1997-1998**	
Status	Progress:	**Complete - Last Update: 11/01/98**
	Maintenance and Update Frequency:	**None planned**
Source Information	Scale:	**N/A**
	Media:	**Ensafe**
Process Description:	**Contractor Ensafe used GPS and survey techniques to capture boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Marasco**	**EMD, 451-5063**

Environmental - Closed Landfill Boundary

Description	**Boundary of Closed Landfill in French Creek Area.**	
File Name	**ehswmcll**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1997-1998**	
Status	Progress:	**Complete - Last Update: 11/01/98**
	Maintenance and Update Frequency:	**None planned**
Source Information	Scale:	**N/A**
	Media:	**Ensafe**
Process Description:	**Contractor Ensafe used GPS and survey techniques to capture boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Marasco**	**EMD, 451-5063**

Environmental - Closed Landfill Contour Lines

Description	**Contour Lines for Closed Landfill in French Creek Area.**	
File Name	**ehswmlcl**	
Attribute Information	**Arcs attributed by figure designation.**	
Time Period of Content	**1997-1998**	
Status	Progress:	**Complete - Last Update: 11/01/98**
	Maintenance and Update Frequency:	**None planned**
Source Information	Scale:	**N/A**
	Media:	**Ensafe**
Process Description:	**Contractor Ensafe used GPS and survey techniques to capture lines.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Marasco**	**EMD, 451-5063**

Environmental - Closed Landfill Gas Wells

Description	**Gas Wells in Closed Landfill in French Creek Area.**	
File Name	**ehswmlgw**	
Attribute Information	**Points attributed by well id.**	
Time Period of Content	**1997-1998**	
Status	Progress:	**Complete - Last Update: 11/01/98**
	Maintenance and Update Frequency:	**None planned**
Source Information	Scale:	**N/A**
	Media:	**Ensafe**
Process Description:	**Contractor Ensafe used GPS and survey techniques to locate wells.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Marasco**	**EMD, 451-5063**

Environmental - Closed Landfill Misc. Points

Description	**Miscellaneous Data Points for Closed Landfill in French Creek Area.**	
File Name	**ehswmlmp**	
Attribute Information	**Points attributed by id number, UTM coordinates, and elevation.**	
Time Period of Content	**1997-1998**	
Status	Progress:	**Complete - Last Update: 11/01/98**
	Maintenance and Update Frequency:	**None planned**
Source Information	Scale:	**N/A**
	Media:	**Ensafe**
Process Description:	**Contractor Ensafe used GPS and survey techniques to capture points.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Marasco**	**EMD, 451-5063**

Environmental - Closed Landfill Mon. Wells

Description	**Monitoring Wells for Closed Landfill in French Creek Area.**	
File Name	**ehswmlmw**	
Attribute Information	**Points attributed by well id, and UTM coordinates.**	
Time Period of Content	**1997-1998**	
Status	Progress:	**Complete - Last Update: 11/01/98**
	Maintenance and Update Frequency:	**None planned**
Source Information	Scale:	**N/A**
	Media:	**Ensafe**
Process Description:	**Contractor Ensafe used GPS and survey techniques to capture points.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Marasco**	**EMD, 451-5063**

Environmental - Closed Landfill Waste Boundary

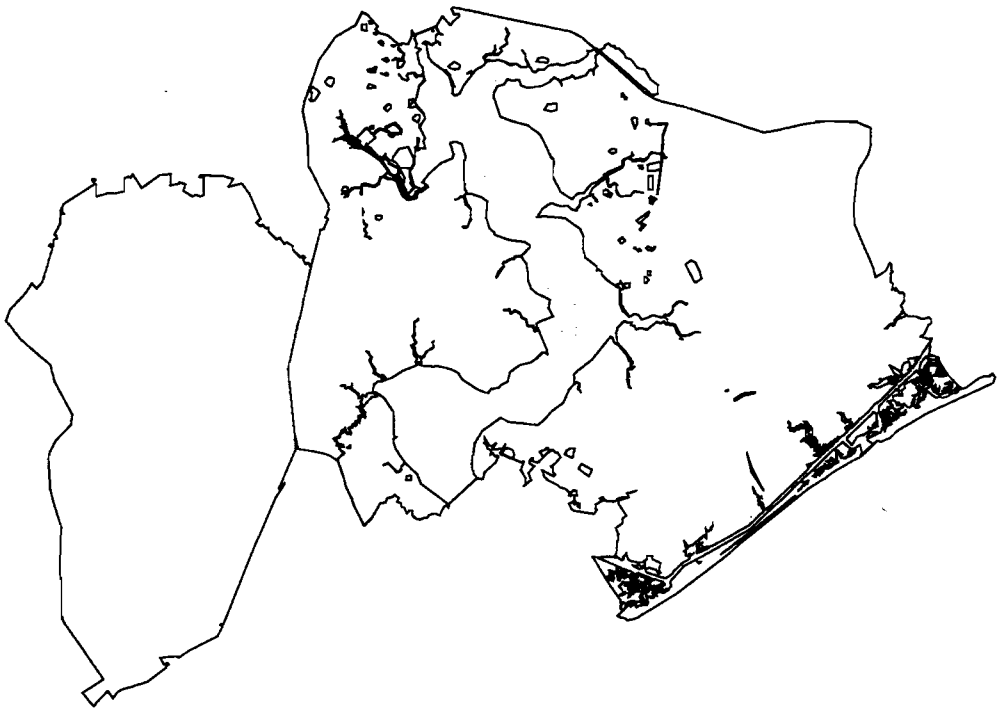
Description	**Waste Boundary in Closed Landfill in French Creek Area.**	
File Name	**ehswmlws**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1997-1998**	
Status	Progress:	**Complete - Last Update: 11/01/98**
	Maintenance and Update Frequency:	**None planned**
Source Information	Scale:	**N/A**
	Media:	**Ensafe**
Process Description:	**Contractor Ensafe used GPS and survey techniques to capture boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Marasco**	**EMD, 451-5063**

Environmental - Contained HazMat HazWaste

Description	**EPCRA Contained Hazardous Material, Hazardous Waste Storage.**	
File Name	**ehhmwesb**	
Attribute Information	**Points attributed by location id, building number, and UTM coordinates.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - Last Update 11/13/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Radian**
		R-EDMS Database
Process Description:	**Contractor Radian used coordinates from the R-EDMS database to create an ArcView event theme, converted to a shapefile, then converted to an ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. B. Ashton**	**EMD, 451-5063**

Environmental - Initial Assessment Sites

Description	**Sites posing a potential threat to human health or the environment due to contamination.**	
File Name	**ehsitdod**	
Attribute Information	**Polygons attributed by NACIP number and entry date.**	
Time Period of Content	**1983**	
Status	Progress:	**Complete - Last Update: 12/10/98**
	Maintenance and Update Frequency:	**Archival- Not Updated**
Source Information	Scale:	**1:24000**
	Media:	**Water and Air Research, Inc.**
		Initial Assessment Study of MCB, Camp Lejeune, North Carolina
Process Description:	**Maps in the Initial Assessment Document were digitized by ESRI from hardcopy. Additions were then digitized by Radian from delineations on hardcopy maps provided by IR personnel.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**



Environmental - IR Deep Contaminant Buffer

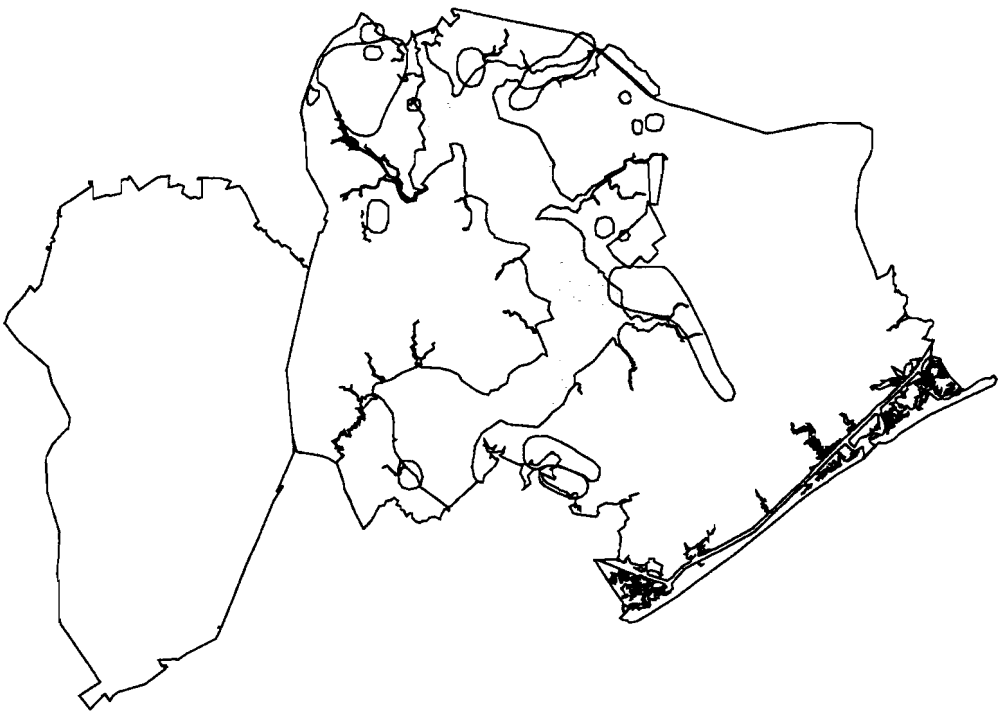
Description	**Deep Groundwater (Castle Hayne Aquifer) 1500 foot buffer around IR deep contaminant plume.**	
File Name	**chgwtdpb**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1998**	
Status	Progress:	**In Progress - Last Update 10/30/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Baker Environmental**
Process Description:	**Contractor Baker Environmental used ArcInfo to generate 1500 foot buffers around the deep groundwater contaminant plume.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - IR Deep Contaminant Plume

Description	**Horizontal extent of area impacted by contaminants in deep groundwater (Castle Hayne Aquifer); typically greater than 75 feet below ground surface.**	
File Name	**ehgwtdcp**	
Attribute Information	**System Attributes Only.**	
Time Period of Content	**1998**	
Status	Progress:	**In Progress - Last Update 10/30/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Baker Environmental**
Process Description:	**Contractor Baker Environmental used existing laboratory analytical data to generate areas of impacted groundwater.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - IR Operable Units

Description	**Installation Restoration Operable Units under CERCLA.**	
File Name	**ehremour**	
Attribute Information	**Polygons have system attributes only. Regions attributed by operable unit number.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete - Last Update 07/30/97**
	Maintenance and Update Frequency:	**Annually or as needed.**
Source Information	Scale:	**1:24,000**
	Media:	**Baker Environmental**
Process Description:	**The Operable Unit outlines were digitized in ArcEdit, using 8 1/2 x 11x drawings xeroxed from a report authored by Baker Environmental. The arcs were splined and OU numbers assigned to each segment. The ARC/INFO REGIONCLASS command was then used to create preliminary regions, then the CLEAN command was used to complete the regions using the OPUNIT subclass.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**



Environmental - IR Pre-Remediation Sites

Description	**A site currently owned or used by the Department of Defense which was identified during the pre-remedial site investigations but not later included as an IRP site under the Installation Restoration Program.**	
File Name	**ehrempri**	
Attribute Information	**Polygons attributed by site id.**	
Time Period of Content	**N/A**	
Status	Progress:	**Complete - Last Update: 2/7/95**
	Maintenance and Update Frequency:	**None planned.**
Source Information	Scale:	**1:24,000**
	Media:	**EMD**
Process Description:	**IR personnel on-screen digitized using existing IGIR coverages. Contractor Radian then extracted only sites that were not later incorporated into the IR sites layer.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - IR Shallow Contaminant Buffer

Description	**Surficial Groundwater Aquifer 1500 foot Contaminant Plume Buffer around IR shallow contaminant plume.**	
File Name	**ehgwtspb**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1998**	
Status	Progress:	**In Progress - Last Update 10/30/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Baker Environmental**
Process Description:	**Contractor Baker Environmental used ArcInfo to generate a 1500 foot buffer around the surficial groundwater aquifer contaminant plume.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - IR Shallow Contaminant Plume

Description	**Surficial Groundwater Aquifer Conaminant Plume around IR Sites.**	
File Name	**ehgwtscp**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1998**	
Status	Progress:	**In Progress - Last Update 10/30/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Baker Environmental**
Process Description:	**Contractor Baker Environmental used existing laboratory analytical data to generate areas of impacted groundwater around IR sites.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - IR Sites

Description	**Installation Restoration sites under CERCLA.**	
File Name	**ehremsit**	
Attribute Information	**Polygons and regions are attributed by site number.**	
Time Period of Content	**1984-1998**	
Status	Progress:	**Complete - Last Update: 03/01/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:24,000**
	Media:	**Historic Documents**
Process Description:	**Contractor Baker Environmental used survey and historic information to generate site boundaries.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - IR Soil Areas of Concern

Description	**Soil areas of concern around IR Sites.**	
File Name	**ehsoimix**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1998**	
Status	Progress:	**In Progress - Last Update 11/30/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Baker Environmental**
Process Description:	**Contractor Baker Environmental used existing laboratory analytical data to generate areas of concern.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - IR Surface Water/Sediment Area

Description	**Areas of concern for surface water/sedimentation problems around IR sites.**	
File Name	**ehswtsed**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1993-1998**	
Status	Progress:	**In Progress - Last Update 10/30/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Baker Environmental**
Process Description:	**Contractor Baker Environmental used existing laboratory analytical data to generate areas of concern.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - IR Underground Storage Tanks

Description	**Installation Restoration Program Underground Storage Tanks.**	
File Name	**ehsitirt**	
Attribute Information	**Points attributed by station id, building number and UTM coordinates.**	
Time Period of Content	**1996-1998**	
Status	Progress:	**Complete - Last Update 11/13/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Radian International R-EDMS Database**
Process Description:	**Coordinates were derived from the R-EDMS database and matched by building number to derive building centroids as X-Y locations. File was used to create event theme in ArcView, converted to a shapefile, then converted to an ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5063**

Environmental - IR UST Monitoring Wells

Description	**Monitoring and recovery wells for the investigation and remedial actions at leaking UST sites.**	
File Name	**ehtnkmon**	
Attribute Information	**Points attributed by well id, site, UTM coordinates, purpose, status and source.**	
Time Period of Content	**1997**	
Status	Progress: **Complete - Last Update 08/26/97**	
	Maintenance and Update Frequency: **Annually**	
Source Information	Scale: **N/A**	
	Media: **Baker Environmental**	
	GIS Groundwater Monitoring Well Management Plan	
Process Description:	**Contractor Baker Environmental used GPS and survey techniques to locate wells. Coordiates were then used to create either an ARC/INFO GENERATE file to create points in ARC/INFO, or as an event table in ArcView to create a shapefile which was then converted into an ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - IR Wells Under CERCLA

Description	**Monitoring recovery wells for investigations and remedial actions at Installation Restoration CERCLA sites.**	
File Name	**ehremmon**	
Attribute Information	**Points attributed by well id, UTM coordinates, site number, well pump purpose, status and source.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete - Last Update 08/26/97**
	Maintenance and Update Frequency:	**Annually or as needed.**
Source Information	Scale:	**N/A**
	Media:	**Baker Environmental**
		GIS Groundwater Monitoring Well Management Plan
Process Description:	**GPS information was used to create either an ARC/INFO GENERATE file to create points in ARC/INFO, or as an event table in ArcView to create a shapefile which was then converted into an ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

Environmental - NPDES monitoring site

Description	**National Pollution Discharge Elimination System (NPDES) monitoring sites.**	
File Name	**ehchadsp**	
Attribute Information	**Points are attributed by station id and UTM coordinates.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - Last Update 12/15/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Radian, GIS Office**
		R-EDMS Database and orthophotos
Process Description:	**GIS Office personnel cited the French Creek facility from digital orthophotography. The Onslow Beach facility was taken from the 1997 version of this layer, which was derived from the R-EDMS database.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Raper**	**EMD, 451-2471**

Environmental - ODS Pollution Source Point

Description	**Ozone Depleting Substances Pollution Source Points.**	
File Name	**ehgenods**	
Attribute Information	**Points attributed by station id, building number, and UTM coordinates.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - Last Update 11/13/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Radian, GIS Office**
		R-EDMS Database
Process Description:	**Summary table from EDMS was matched to buildings coverage BGGENEXS by building number to obtain building centroids as locations. The file was then used to create an event theme in ArcView, converted to a shapefile, then converted to an ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**

Environmental - Oil/Fuel/Water Separators

Description	**Location of separators for water, oil and fuel.**	
File Name	**ehhmwsep**	
Attribute Information	**Points attributed by UTM Coordinates, building number, and device type.**	
Time Period of Content	**1998**	
Status	Progress: **In Progress - Last Update 12/15/98**	
	Maintenance and Update Frequency: **Quarterly.**	
Source Information	Scale: **1:12,000**	
	Media: **EMD, ECD**	
Process Description:	**Data were transfered from spreadsheets to ARC/INFO, linked to building centroids then manipulated in ArcView to create a shapefile. The shapefile was then converted to a coverage in ARC/INFO.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD, 451-5837**

Environmental - PCB Pollution Point Source

Description	**Polychlorinated Biphenyls Pollution Monitoring Sites.**	
File Name	**ehgenpcb**	
Attribute Information	**Points attributed by station id, building number, and UTM coordinates.**	
Time Period of Content	**1997**	
Status	Progress:	**In Progress- Last Update 9/12/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Radian**
		R-EDMS Database/GPS Points
Process Description:	**An event theme was created using GPS derived coordinates from the R-EDMS database. The event theme was then converted to an ArcInfo coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. B. Ashton**	**EMD, 451-5063**

Environmental - Safety Kleen Locations

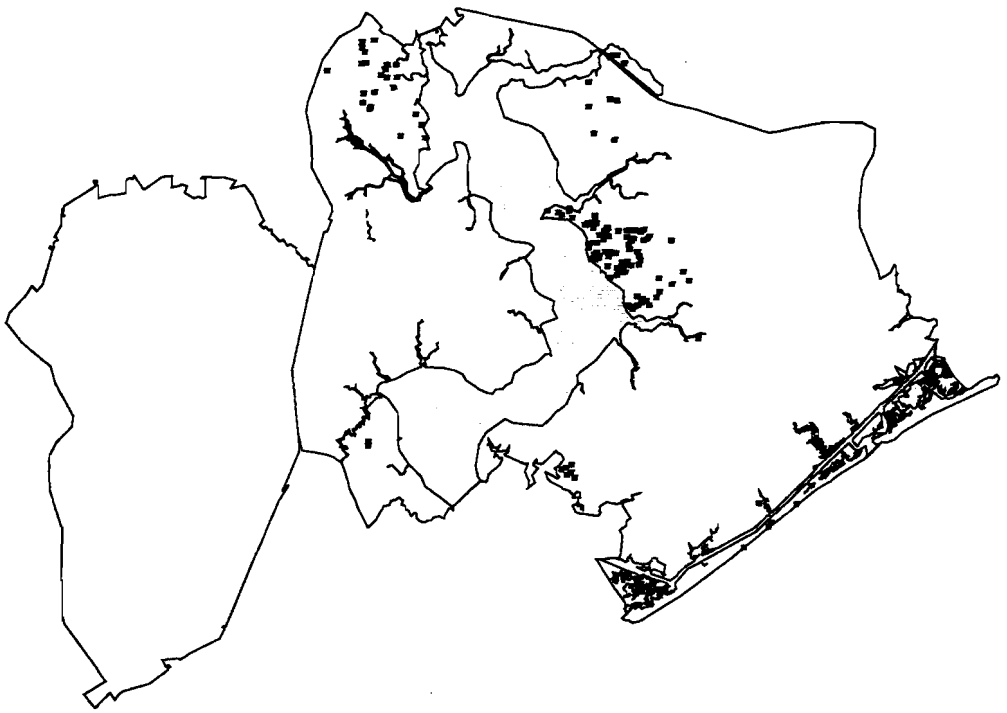
Description	**Location of Safety Kleen areas.**	
File Name	**ehhmwskn**	
Attribute Information	**Points attributed by the device serial number.**	
Time Period of Content	**1998**	
Status	Progress:	**In Progress - Last Update 12/15/98**
	Maintenance and Update Frequency:	**Quarterly.**
Source Information	Scale:	**1:12,000**
	Media:	**EMD, ECD**
Process Description:	**Data were transfered from spreadsheets to ARC/INFO, linked to building centroids then manipulated in ArcView to create a shapefile. The shapefile was then converted to a coverage in ArcInfo.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD, 451-5837**

Environmental - Satellite Accumulation Areas

Description	**Location of Satellite Accumulation Areas.**	
File Name	**ehhmwsaa**	
Attribute Information	**Points attributed by building number, authorization number, status,location, capacity, area_90day and waste stream.**	
Time Period of Content	**1998**	
Status	Progress:	**In Progress - Last Update 12/15/98**
	Maintenance and Update Frequency:	**Quarterly.**
Source Information	Scale:	**1:12,000**
	Media:	**EMD, ECD**
Process Description:	**Data were transfered from spreadsheets to ARC/INFO, linked to building centroids then manipulated in ArcView to create a shapefile. The shapefile was then converted to a coverage in ArcInfo.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD, 451-5837**

Environmental - SDWA Sampling Sites

Description	**Safe Drinking Water Act (SDWA) drinking water sampling locations.**	
File Name	**ehchadws**	
Attribute Information	**Points are attributed by sample id and UTM coordinates.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - 11/13/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Radian**
		R-EDMS database
Process Description:	**Locations were derived from the R-EDMS database SDWA summary table. An event theme was then created in ArcView and converted the an ArcInfo coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Raper**	**EMD, 451-2471**



Environmental - Special Drinking Water Sample

Description	**Sites where special drinking water sample analysis were performed.**	
File Name	**ehchadwx**	
Attribute Information	**Points attributed by sample id and UTM coordinates.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - 11/13/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Radian, GIS Office**
		R-EDMS Database
Process Description:	**An event theme was created in ArcInfo from coordinates derived from the R-EDMS database. The event theme was then converted to an ArcInfo coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Raper**	**EMD, 451-2471**

Environmental - Surface Water Quality Station

Description	**The 13 New River Surface Water Sampling Locations.**	
File Name	**ehchaswm**	
Attribute Information	**Points attributed by location id.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - Last Update 11/13/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Radian, GIS Office**
		E-EDMS Database
Process Description:	**An event theme was created in ArcView using coordinates derived from the R-EDMS database. The event theme was then converted to an ArcInfo coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Raper**	**EMD, 451-2471**

Environmental - Underground Storage Tanks

Description	**Active Underground Storage Tank Locations.**	
File Name	**ehtnkust**	
Attribute Information	**Points attributed by tank id, contents, size, install date, regulatory status, deficiency, and UTM coordinates.**	
Time Period of Content	**1996-1997**	
Status	Progress:	**Complete - Last Update 9/12/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Landmark**
Process Description:	**Contractor Lankmark used GPS to locate tanks. The coordinates were then used to create an event theme in ArcView, converted to shapefile, then converted to an ARC/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. B. Ashton**	**EMD, 451-5063**

Environmental - WWTP Sample Collection

Description	**Wastewater Treatment Plant/National Pollution Discharge Elimination System (NPDES) sampling sites.**	
File Name	**ehchawsp**	
Attribute Information	**Points are attributed by station id, building number, and UTM coordinates.**	
Time Period of Content	**1998**	
Status	Progress:	**Complete - Last Update 12/15/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Radian, GIS Office**
		R-EDMS database and orthophotography
Process Description:	**Digital Orthophotography was used to cite the new French Creek facility. The Onslow Beach site was taken from the 1997 version of this layer, which was derived from the R-EDMS database.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Raper**	**EMD, 451-2471**

Fauna - Bluebird, Osprey, and Woodduck

Description	**Bluebird, osprey, and woodduck nesting sites.**	
File Name	**fahabbow**	
Attribute Information	**Points are attributed by bird type.**	
Time Period of Content	**1987**	
Status	Progress:	**Complete - Last Update: 2/23/90**
	Maintenance and Update Frequency:	**Every 5 years or as needed.**
Source Information	Scale:	**1:24000**
	Media:	**EMD**
		Natural Resource Multiple-Use Management Plan
Process Description:	**Contractor Radian digitized the coverage from hardcopy maps from the Natural Resource Multiple-Use Management Plan.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. C. Lombardo**	**EMD, 451-2148**

Fauna - Habitat Encroachment Incidents

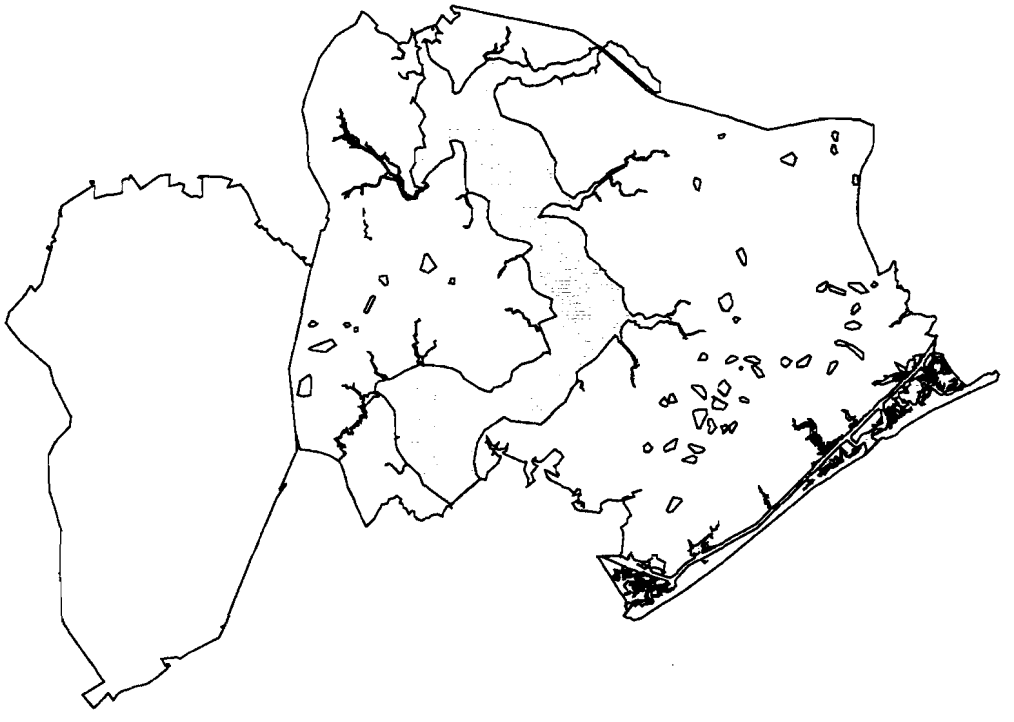
Description	**Red Cockaded Woodpecker habitat encroachment incidents.**	
File Name	**fahabwen**	
Attribute Information	**Points are attributed by violation number, date, habitat type and UTM coordinates.**	
Time Period of Content	**1996**	
Status	Progress:	**Complete - Last Update: 9/13/96**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:50000**
	Media:	**EMD/FWL**
		Field Reports of Habitat Encroachment
Process Description:	**Contractor Radian created points from field reports of habitat encroachment kept by Fish and Wildlife personnel.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Hammond**	**EMD, 451-2148**

Fauna - RCW Cavity Tree (Nesting Site)

Description	**Red cockaded woodpecker cavity trees (nesting sites).**	
File Name	**fahabwca**	
Attribute Information	**Points are attributed by tree identifier, management area, and UTM coordinates.**	
Time Period of Content	**1993-Present**	
Status	Progress:	**Complete - Last Update: 11/01/98**
	Maintenance and Update Frequency:	**Annually or as needed.**
Source Information	Scale:	**N/A**
	Media:	**EMD/FWL**
		Resource Grade GPS Locations
Process Description:	**Fish and Wildlife personnel used a resource grade GPS unit to collect locational data for all known sites.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Hammond**	**EMD, 451-2148**

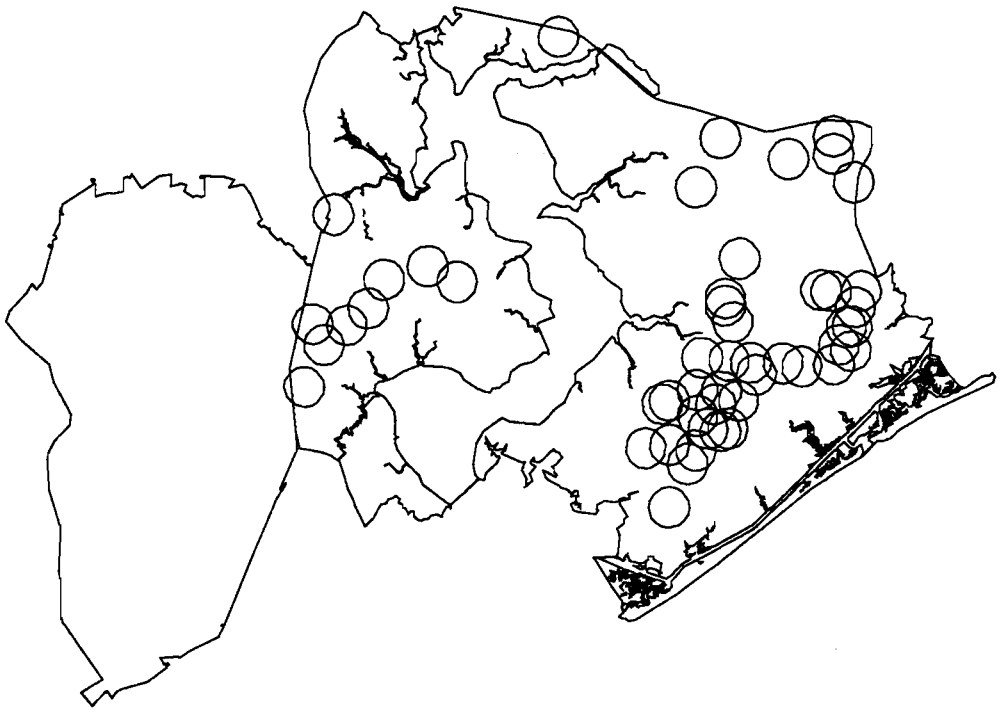
Fauna - RCW Cavity Tree Cluster/Buffer

Description	**Red cockaded woodpecker cavity tree clusters (w/200 foot buffer zone).**	
File Name	**fahabwbz**	
Attribute Information	**Polygons are attributed by acreage.**	
Time Period of Content	**1993-Present**	
Status	Progress:	**Complete- Last Update: 12/01/98**
	Maintenance and Update Frequency:	**Annually or as needed.**
Source Information	Scale:	**N/A**
	Media:	**EMD/FWL**
		Resource Grade GPS & ARC/INFO Buffers of 200' of Outer Trees in Clusters
Process Description:	**Fish and Wildlife personnel used resource grade GPS units to collect locational data and then Arc/Info was used to create a 200 foot buffer around the outer trees in each cluster.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Hammond**	**EMD, 451-2148**



Fauna - RCW Foraging Circles

Description	**Red-Cockaded Woodpecker half-mile radius foraging circles for each cavity tree.**	
File Name	**fahabwfc**	
Attribute Information	**System attributes only for regions and polygons.**	
Time Period of Content	**1993-Present**	
Status	Progress: **Complete - Last Reviewed: 01/30/98**	
	Maintenance and Update Frequency: **Annually or as needed.**	
Source Information	Scale: **N/A**	
	Media: **EMD/FWL**	
	Resource Grade GPS & ARC/INFO buffers of 2646.75' of cluster epicenters	
Process Description:	**Fish and Wildlife personnel used resource grade GPS units to collect locational data of all known sites. The epicenter of each RCW colony was then calculated and buffered by 2646.75 feet by ARC/INFO.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Hammond**	**EMD, 451-2148**

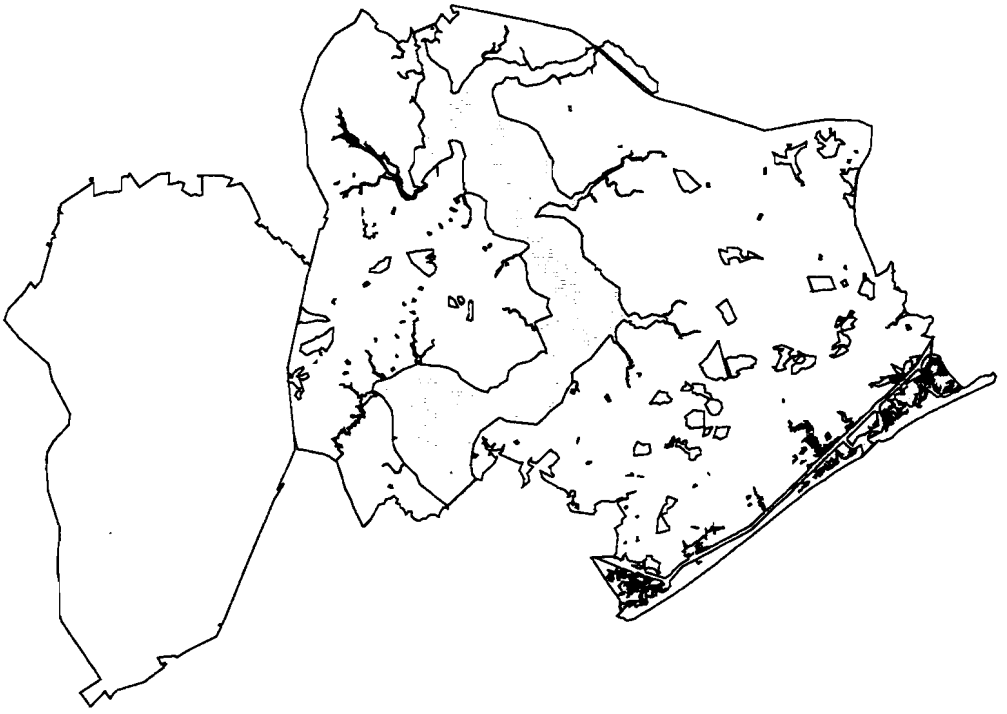


Fauna - Shellfish Sampling Sites

Description	**Shellfish sampling sites.**	
File Name	**famgtsss**	
Attribute Information	**Points attributed by point and area designation.**	
Time Period of Content	**1990**	
Status	Progress:	**Complete - Last Update: 2/24/90**
	Maintenance and Update Frequency:	**Every 5 years or as needed.**
Source Information	Scale:	**N/A**
	Media:	**NC Dept. of Human Resources Tabular Data Accompanying Maps**
Process Description:	**Contractor ESRI used tabular data to generate the coverage from coordinate values.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. C. Lombardo**	**EMD, 451-2148**

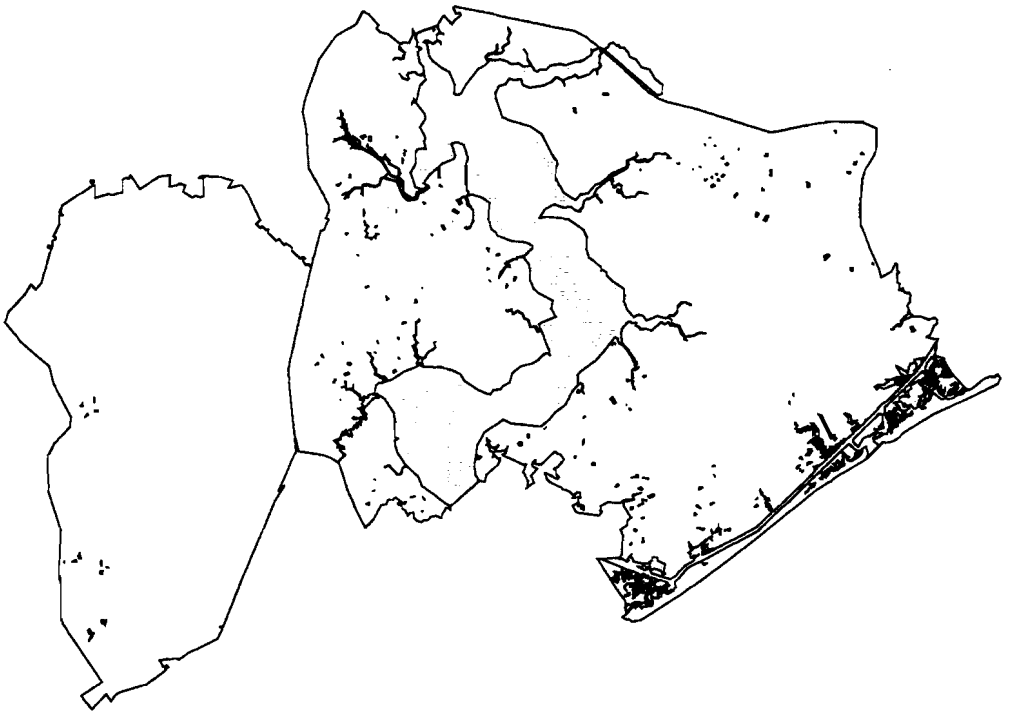
Fauna - Wildlife Management Facilities

Description	**Wildlife management facilities (the areas on Base managed for wildlife).**	
File Name	**famgtfmc**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1987**	
Status	Progress:	**Complete - Last Update: 10/30/91**
	Maintenance and Update Frequency:	**Every 5 years or as needed.**
Source Information	Scale:	**1:24000**
	Media:	**EMD/FWL**
		Natural Resource Multiple-Use Management Plan
Process Description:	**Contractor ESRI digitized the coverage from hardcopy maps from the Natural Resources Multiple-Use Management Plan.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. C. Lombardo**	**EMD, 451-2148**



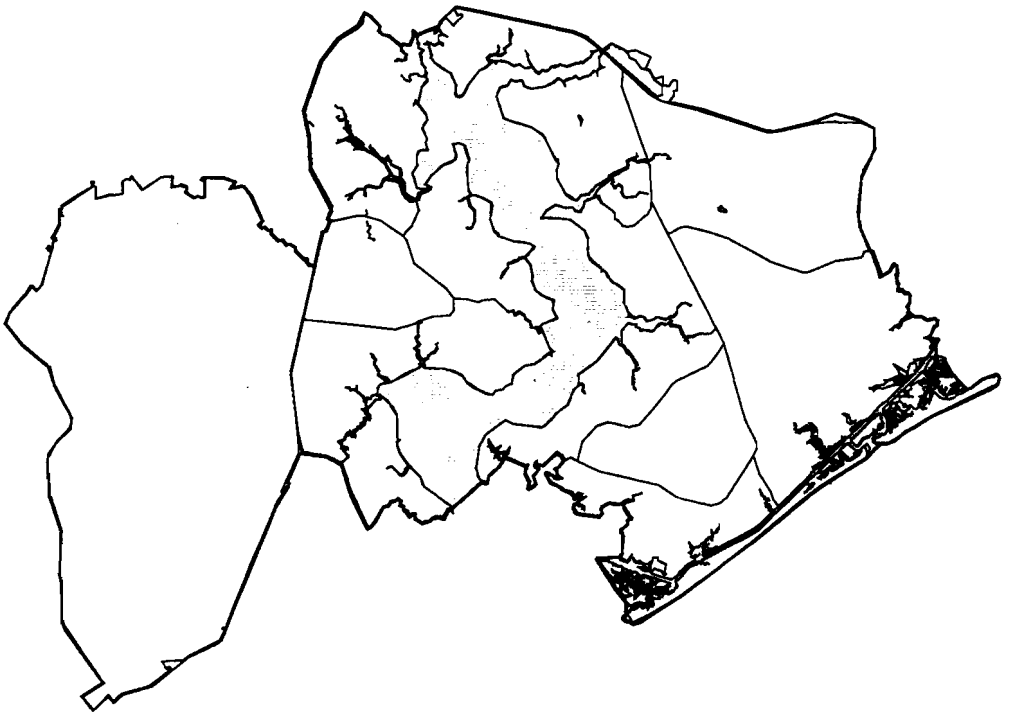
Fauna - Wildlife Openings

Description	**Wildlife openings (food plots).**	
File Name	**fahabwop**	
Attribute Information	**Polygons are attributed by plot number.**	
Time Period of Content	**1996-Present**	
Status	Progress:	**Complete - Last Update: 07/30/98**
	Maintenance and Update Frequency:	**Every 2 years.**
Source Information	Scale:	**1:24000**
	Media:	**EMD/FWL**
		Natural Resource Multiple-Use Management Plan
Process Description:	**Data were digitized from aerial photos and timber stand overlays for the Natural Resources Multiple-Use Management Plan.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. C. Lombardo**	**EMD, 451-2148**



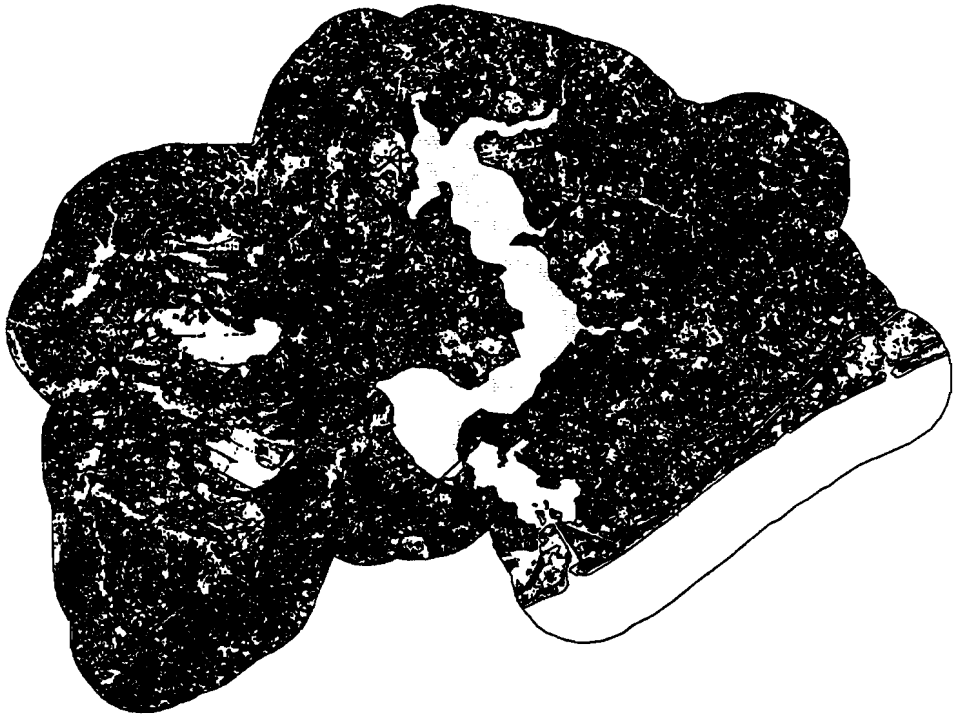
Fauna - Wildlife Units

Description	**Wildlife units (featured species approach to management).**	
File Name	**fahabwun**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1991**	
Status	Progress:	**Complete - Last Update: 10/30/91**
	Maintenance and Update Frequency:	**Every 5 years or as needed.**
Source Information	Scale:	**1:50000**
	Media:	**EMD/FWL**
		Maps Showing Units for Various Species
Process Description:	**Contractor Radian ESRI digitized the coverage from hardcopy local maps showing units for various species.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. C. Lombardo**	**EMD, 451-2148**



Flora - Fire Fuels Classification

Description	**Vegetation classified by forest fire fuel types.**	
File Name	**flhabffm**	
Attribute Information	**Polygons attributed by fuel type.**	
Time Period of Content	**1996**	
Status	Progress:	**Complete - Last Update: 8/29/97**
	Maintenance and Update Frequency:	**Every 3 years.**
Source Information	Scale:	**N/A**
	Media:	**Pacific Meridian**
Process Description:	**Supervised reclassification of Landsat TM data into fire fuel types** **Contractor Pacific Meridian performed a supervised reclassification of a Landsat (TM) image from October, 1996.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Becker**	**EMD, 451-2195**



Flora - Locations of Loosestrife

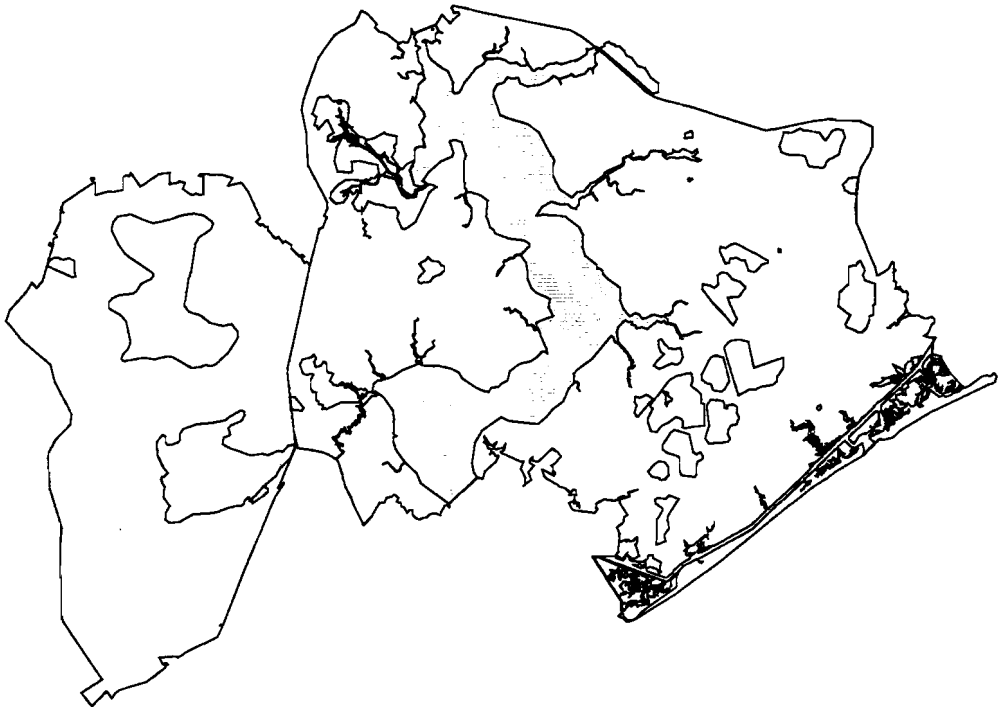
Description	**Locations of Rough-leaved Loosestrife.**	
File Name	**flhabils**	
Attribute Information	**Polygons attributed by site name, site number, Utm coordinates and acreage.**	
Time Period of Content	**1997-1998**	
Status	Progress:	**Complete - Last Update: 11/30/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**EMD Fish and Wildlife Division GPS Points**
Process Description:	**Fish and Wildlife personnel used resource grade GPS units to collect locational data of known sites.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Hammond**	**EMD, 451-2148**

Flora - Natural Heritage Reg. Areas

Description	**Natural Heritage Foundation registered areas.**	
File Name	**flmgtnat**	
Attribute Information	**Polygons attributed by designation.**	
Time Period of Content	**Unknown**	
Status	Progress:	**Complete - Last Update: 03/07/97**
	Maintenance and Update Frequency:	**Every 5 years.**
Source Information	Scale:	**1:15840**
	Media:	**EMD/FWL**
		Maps showing Natural Areas and Timber Stand Maps
Process Description:	**Contractor ESRI digitized the coverage from hardcopy maps of natural areas and timber stands.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Hammond**	**EMD, 451-2148**

Flora - Proposed Natural Areas

Description	**Site or location where there are threatened, endangered, or sensitive floral species.**	
File Name	**flmgtpnt**	
Attribute Information	**Polygons attributed by acreage and designation.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 12/15/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24000**
	Media:	**USGS**
		USGS 7.5 Minute Topographic Quadrangles
Process Description:	**Fish and Wildlife personnel used USGS Quadrangles to site and digitize the best known boundaries.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Hammond**	**EMD, 451-2148**

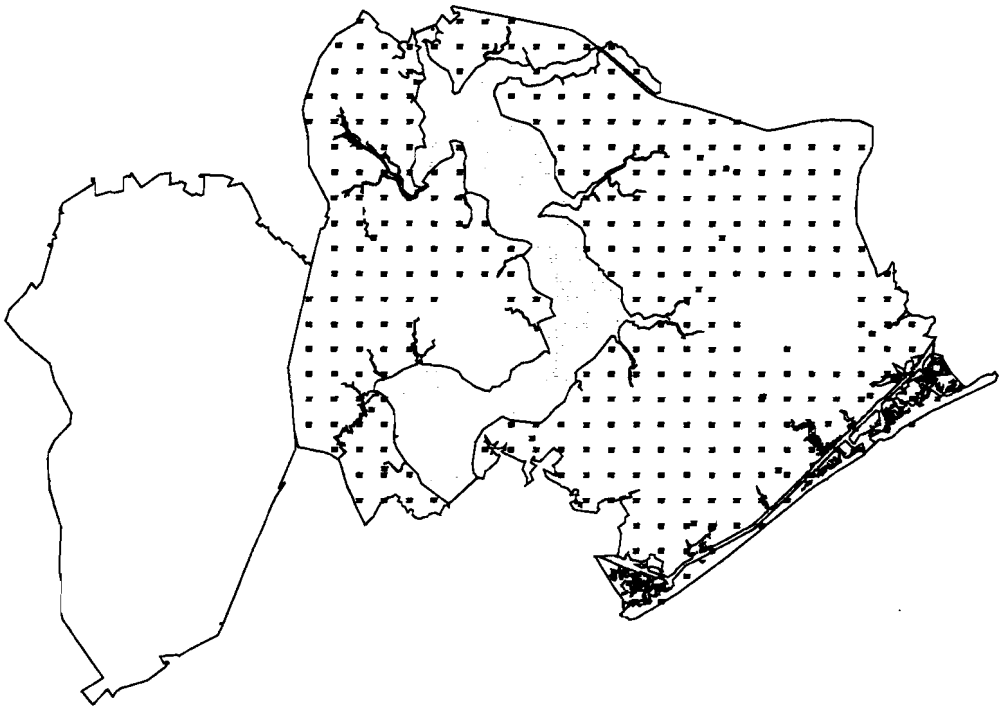


Flora - Timber Stands / Compartments

Description	**Timber stands defining management areas for the forest resource on base. The stands also define compartment boundaries through the ARC/INFO region function.**	
File Name	**flmgttst**	
Attribute Information	**Polygons attributed by stand number, acreage, forest type and compartment.**	
Time Period of Content	**1988-1998**	
Status	Progress:	**In Progress - Last Update: 12/29/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**EMD**
		field maps
Process Description:	**Forestry personnel used field data, GPS, orthophotos and other IGIR coverages to digitize best known boundaries.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Marshburn**	**EMD, 451-2195**

Flora - USFS Cont. Forest Inv. Plots

Description	**U.S. Forest Service Continuous Forestry Inventory Sample Plots**	
File Name	**flmgtcfi**	
Attribute Information	**Points are attributed by continuous forestry inventory number.**	
Time Period of Content	**1987**	
Status	Progress:	**Complete - Last Update: 2/24/90**
	Maintenance and Update Frequency:	**Every 10 years**
Source Information	Scale:	**N/A**
	Media:	**U.S. Forest Service**
		Table containing locations of forest inventory sample plot locations.
Process Description:	**Tabular data of the locations of continuous forest inventory sample plots taken every 1000 meters were used to generate coverage in ArcInfo.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Becker**	**EMD, 451-2195**

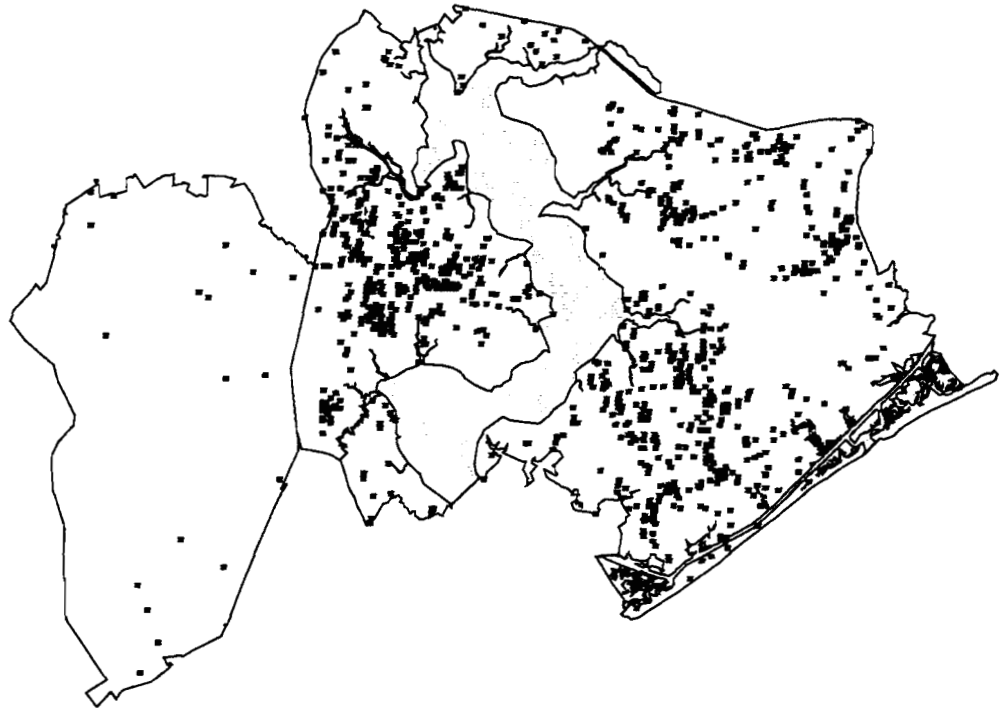


Flora - Vegetation Classification Area

Description	**Generalized vegetated vs. non-vegetated boundaries.**	
File Name	**flhabveg**	
Attribute Information	**Polygons attributed by area, perimeter, and generalized vegetation type.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**As needed.**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current FLHABVEG was gathered as part of a March 9, 1996 flyover of MCB, Camp Lejeune. AeroDynamics mapped the data in AutoCAD rel. 12 format and converted it into ArcInfo format. The coverage was originally delivered with the coverage name LSCNDLCV and was renamed by GISO personnel.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Flora - Wildland Fire Locations 88-98

Description	**Wildland Fire Locations from 1988 to 1998**	
File Name	**flmgtloc**	
Attribute Information	**Points are attributed by date, class, wind, acreage, personnel, time, cause, damage, and equipment.**	
Time Period of Content	**1987-1998**	
Status	Progress:	**Complete - Last Update: 12/10/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Forestry Division**
		Resource Grade GPS Points
Process Description:	**Resource grade GPS units were used to collect locational data.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Becker**	**EMD, 451-2195**

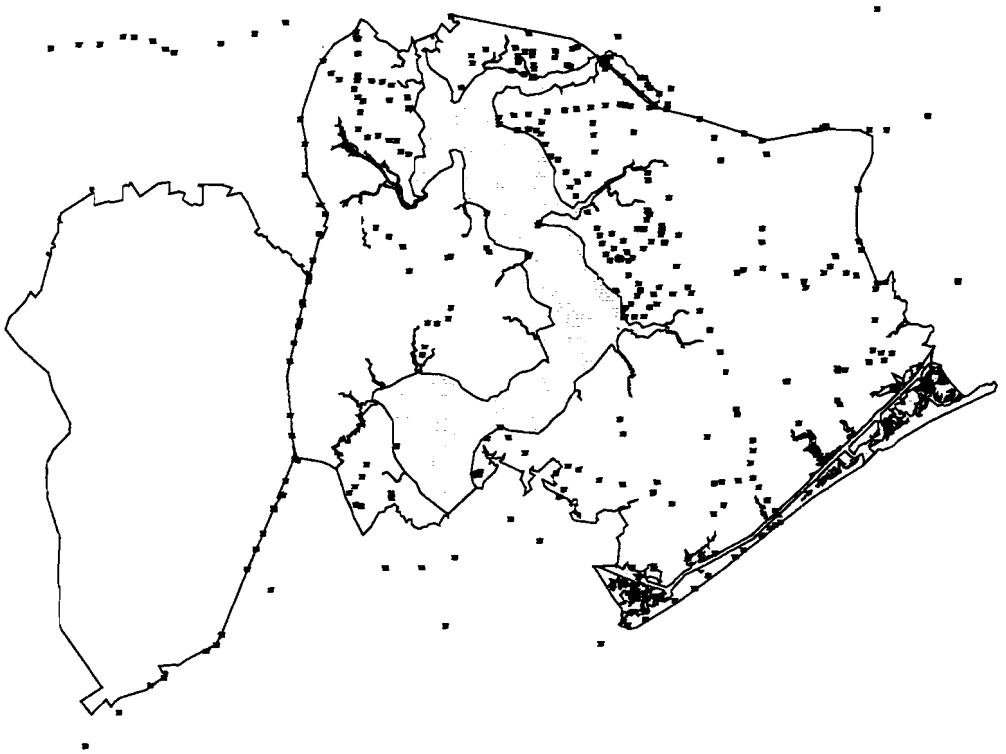


Geodetic - Horizontal Control (Other)

Description	**Horizontal Control data collected in conjunction with various Public Works projects and 2nd Topographic Platoon for use by the Facilities Department.**	
File Name	**gdsrvpwd**	
Attribute Information	**Points are attributed by station id, establishment date, grid, horizontal order and method, Z statistics, elevation in feet x meters, marker type, and stamp.**	
Time Period of Content	**Present**	
Status	Progress:	**Complete - Last Update: 6/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**N/A**
	Media:	**Data were derived from various collection techniques, survey and traverse. Accumulated horizontal Control from PWD projects and Topo Platoon**
Process Description:	**Data were collected through survey level GPS, traverse method and standard survey. Data were manipulated in ARCView as event themes and then to ARC/INFO with shape-to-arc conversion functions to create the layers.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. T. Dickie**	**FAC, 451-3238**

Geodetic - Horizontal Control (Topo)

Description	**2nd Division Topographic Platoon data from 2nd to 4th order survey work. May or may not be coincident to the Trig List Monumented Horizontal Control Layer.**	
File Name	**gdsrvtop**	
Attribute Information	**Points are attributed by station name, utm coordinates, horizontal order, elevation, date established, date recovered and Z datum.**	
Time Period of Content	**Present**	
Status	Progress:	**Complete - Last Update 6/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**N/A**
	Media:	**2D - Topo, Survey Data**
		Additional Control Points to TRIG List
Process Description:	**Data were obtained from 2nd - 4th order survey work and the results converted to layers through ARCView event theme process, then shape-to-arc conversion.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**



Geodetic - Horizontal Control (Trig List)

Description	**Monumented Horizontal Control Points**	
File Name	**gdsrvmnt**	
Attribute Information	**Points are attributed by station id, establishment date, grid, horizontal order and method, Z statistics, elevation in feet - meters, marker type, and stamp.(key attributes)**	
Time Period of Content	**1994**	
Status	Progress:	**Complete - Last Update: 8/15/97**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**N/A**
	Media:	**U.S. Marine Corps, 10th Marine Regiment Survey Control Data (Trig List)**
Process Description:	**Coverage generated from UTM easting and northing values in the Trig Lists. When possible, the 2nd Datum values (the values updated to NAD1983) were used. If there were no 2nd Datum values, the points were generated from the Local Datum values. Attributes are joined to the points.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Hydrography - Channel

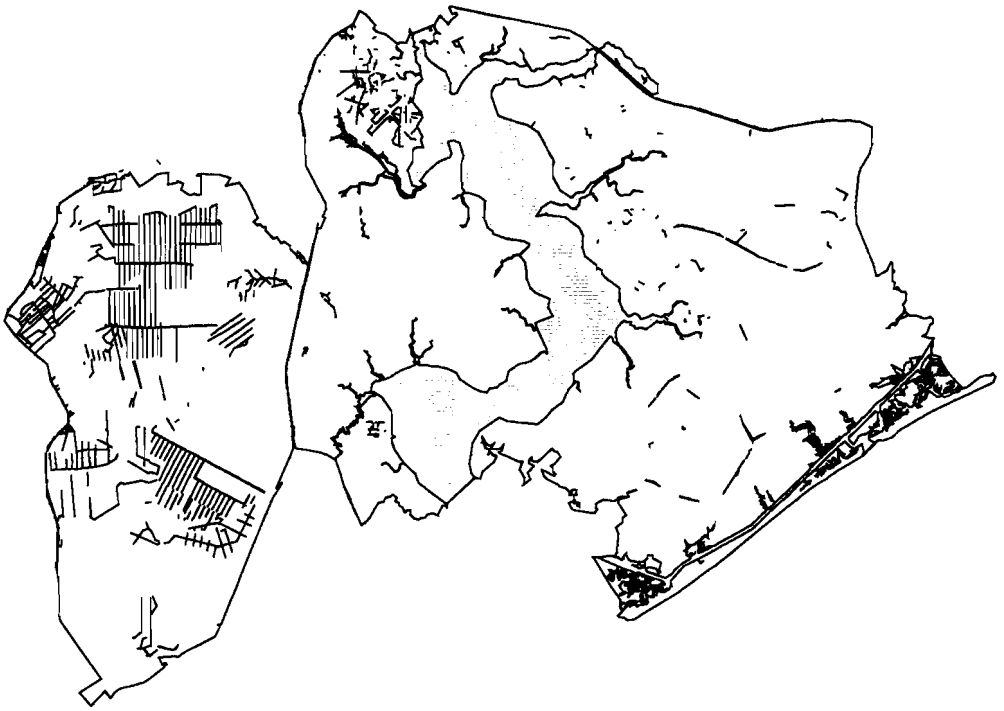
Description	**The bed of a stream or deeper part of a watercourse.**	
File Name	**hysurchn**	
Attribute Information	**Polygons are attributed by Major2 and Minor2 codes and navigability description.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 10/1/92**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**USGS Digital Line Graphs**
Process Description:	**Data were USGS Digital Line Graphs - Digitized and separated into individual coverages based on attributes.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Creeks and Streams

Description	**Hydrography-Surface Water Course Centerline**	
File Name	**hysurwcc**	
Attribute Information	**Arcs are attributed by name.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 10/01/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McCallister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current HYSURWCC coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = WATRLINE arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. Water course centerline arcs were differentiated from Ditch-Aqueduct arcs by their non-linear shape.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Ditches

Description	**Hydrography-Surface Ditch Aqueduct Centerline**	
File Name	**hysurdit**	
Attribute Information	**System attributes only.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current HYSURDIT coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = WATRLINE arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. Ditch-Aqueduct arcs were seperated from natural drainage arcs by PUTting them into the HYSURDIT coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**



Hydrography - Flood Prone Areas

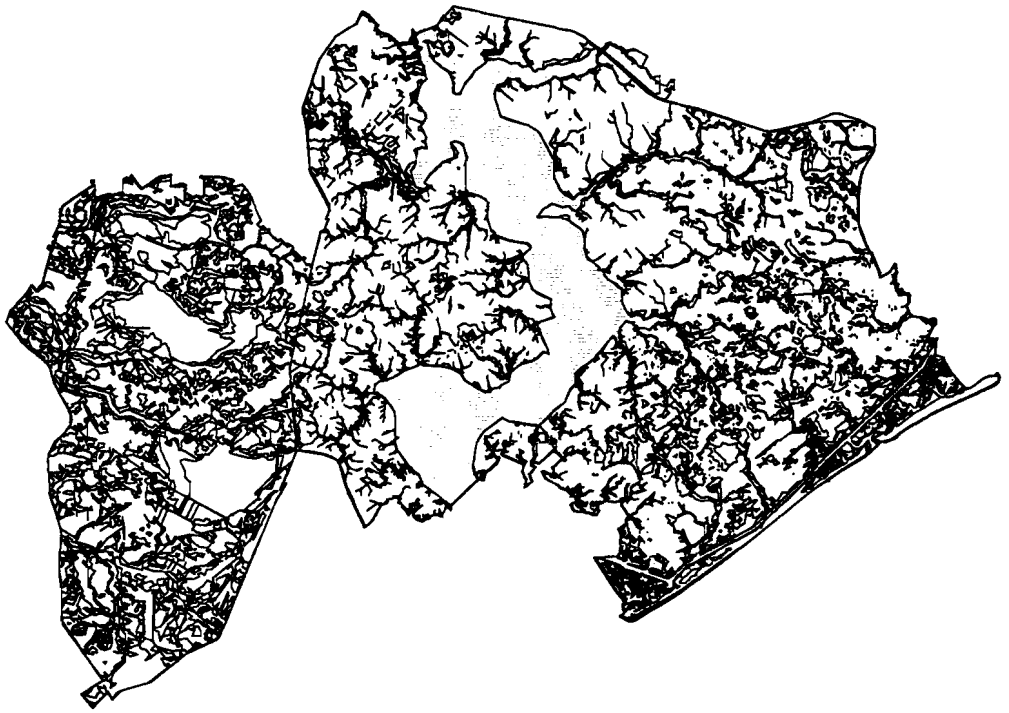
Description	**Areas subject to 100-year, 500-year and minimal flooding.**	
File Name	**hyflpflz**	
Attribute Information	**Polygons are attributed by flood type and flood plane.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 2/23/90**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**USGS/HUD-FIA**
		Topographic maps and flood prone map
Process Description:	**Contractor ESRI digitized the coverage from harcopy USGS topographic maps and USGS/HUD-FIA flood prone area maps (derived from 7.5 minute USGS quadrangles).**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Inland Waterway - Intracoastal

Description	**Inland Waterway/Intracoastal Waterway**	
File Name	**hysurest**	
Attribute Information	**Polygons are attributed by perman_d (for region creation) and name.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current HYSUREST coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = WATRLAKE arcs were pulled from the Arc/INF(coverages for Camp Lejeune.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - National Wetlands Inventory

Description	**Wetlands classification as per FWS/OBS - 79/31 December 1979**	
File Name	**hywetnwi**	
Attribute Information	**Polygons are attributed by standard NWI data including: class, species comp, system, tidal character and wetlands label.**	
Time Period of Content	**Present**	
Status	Progress:	**Pending U.S. Fish & Wildlife Approv**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**GPS 3rd Order Survey Rectification**
		Ortho interpreted/ground truth classifications
Process Description:	**Data were photo-interpreted using a Zeiss P3 stereo plotter. The process was augmented with GPS ground truth. Data were classified according to the Classification of Wetlands and Deepwater Habitats of the United States. Data were provided by contractor Geonex.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**



Hydrography - Sand in Open Water

Description	**Sand in Open Water.**	
File Name	**hysursnd**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 10/1/92**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**USGS Digital Line Graphs**
Process Description:	**Data were USGS Digital Line Graphs - digitized and separated into individual coverages based on attributes.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Shorelines & Streams

Description	**Shorelines and Single Line Streams**	
File Name	**hysurshr**	
Attribute Information	**Polygons are attributed by feature type, i.e. water vs. land.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 10/1/92**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**USGS Digital Line Graphs**
Process Description:	**Data were USGS Digital Line Graphs - digitized and separated into individual coverages based on attributes.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Spoil Areas

Description	**Spoil Areas**	
File Name	**hysurspl**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 10/1/92**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**USGS Digital Line Graphs**
Process Description:	**Data were USGS Digital Line Graphs - Digitized and separated into individual coverages based on attributes.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Tidal Flats

Description	**Tidal, Mud, Sand, and Gravel Flats**	
File Name	**hysurflt**	
Attribute Information	**Polygons are attributed by Major2 and Minor2 and description.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 10/1/92**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**USGS Digital Line Graphs**
Process Description:	**Data were USGS Digital Line Graphs - digitized and separated into individual coverages based on attributes.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Water Bodies

Description	**A standing body of water that can be natural or man-made including lakes, ponds, etc.**	
File Name	**hysurwbd**	
Attribute Information	**Polygons are attributed by perman_d(for region creation) and type, i.e. pond, lake, etc.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 10/01/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current HYSURWBD coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = WATRLAKE arcs were pulled from the converted ARC/INFO coverages for Camp Lejeune. The coverage was then CLIPped to the installation boundary. Data updated from orthos in 8/98.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Water Courses

Description	**A flowing course of water including rivers, streams, canals, etc.**	
File Name	**hysurwcs**	
Attribute Information	**Polygons are attributed by perman_d(for region creation) and name.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McCallister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current HYSURWCS coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = WATRLAKE arcs were pulled from the ARC/INFO coverages for Camp Lejeune. Creek boundaries were delineated at the intersection with rivers at the mouths of the creeks and delineated rivers.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Wetlands Mitigation Bank

Description	**Wetlands Mitigation Bank for wetlands restoration.**	
File Name	**hywetmit**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete - Last Update: 10/97**
	Maintenance and Update Frequency:	**Every 2-3 years.**
Source Information	Scale:	**1:24,000**
	Media:	**Dewberry and Davis**
		Wetland Mitigation Banking Study, October, 1997
Process Description:	**Contractor Dewberry and Davis provided point coordinates which were sited from existing IGIR coverages. The points were then connected and converted to an Arc/INFO coverage by GISO**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Wetlands(General Wetland Area)

Description	**Areas where the water table is at or near the surface. They do not represent a jurisdictional determination by USACOE.**	
File Name	**hywetdlg**	
Attribute Information	**Polygons are attributed by Major2 and Minor2, feature type, i.e. wetland, etc. and description.**	
Time Period of Content	**1952-1981**	
Status	Progress: **Complete - Last Update: 10/1/92**	
	Maintenance and Update Frequency: **Infrequent**	
Source Information	Scale: **1:24,000**	
	Media: **USGS**	
	Digital Line Graphs	
Process Description:	**Data were USGS Digital Line Graph Files - digitized and separated into individual coverages based on attributes.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Wetlands(Surface Water)

Description	**A defined area where the water table is at or near the surface.**	
File Name	**hywetlnd**	
Attribute Information	**Polygons are attributed by system/subsystem, subclass1, subclass2, nontidal classification, tidal classification, saline-haline, ph modifier, soil modifier and special modifier.**	
Time Period of Content	**1986**	
Status	Progress:	**Complete - Last Update: 10/1/92**
	Maintenance and Update Frequency:	**Every 5 years.**
Source Information	Scale:	**1:24,000**
	Media:	**EMD**
		Two USMC wetlands maps
Process Description:	**Data were two wetland maps - digitized by contractor ESRI.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Improvements - Athletic Courts

Description	**Athletic Court Areas**	
File Name	**imathcrt**	
Attribute Information	**Polygons are attributed by type of court, i.e. tennis, basketball, etc.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 4/3/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current IMATHCRT coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = RECCOURT arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. The coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Improvements - Athletic Fields

Description	**Athletic Fields**	
File Name	**imathfld**	
Attribute Information	**Polygons are attributed by type of field, i.e. softball, training, etc.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 04/03/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister Vector Data From 1996 Flyover of Camp Lejeune**
Process Description:	**The original vector data for the current IMATHFLD coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = RECFIELD arcs were pulled from the Arc/INFO coverages for Camp Lejeune. The coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Improvements - Fence Lines

Description	**Fence Lines**	
File Name	**imgenfen**	
Attribute Information	**Arcs are attributed by type of fence.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 04/03/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current IMGENFEN coverage was gathered as part of a March 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = FENCELNS arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. The new IMGENFEN coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A. G. Sholar**	**FAC, 451-2213**

Improvements - Flag Poles

Description	**Flag Poles identified by Facilities for tracking purposes. Does not include all poles on base.**	
File Name	**imgenfet**	
Attribute Information	**Points are attributed by pole identifier.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 04/03/98**
	Maintenance and Update Frequency:	**Every 2-3 years.**
Source Information	Scale:	**1:2400**
	Media:	**Radian, GIS Office**
		1996 Digital Orthophotography
Process Description:	**Contractor Radian and GIS Office personnel captured point location from 1996 digital orthophotography of Camp Lejeune. Facilities personnel then provided the identifier tag for each one.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Improvements - Golf Course Fairway

Description	**Golf Course Fairways**	
File Name	**imathgff**	
Attribute Information	**Polygons are attributed by course and hole number.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 04/03/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current IMATHGFF coverage was digitized from orthophotos taken in a March 9, 1996 flyover of MCB Camp Lejeune. Fairway outlines were digitized by capturing outline of short cut grass visible on the orthophotos. The TSSDS data items were then added to the coverage and the HOLE_NO field was populated. North or South was added to the HOLE_NO attribute to discriminate between the two different golf courses.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A. G. Sholar**	**FAC, 451-2213**

Improvements - Golf Course Tees and Greens

Description	**Golf Course Tee Areas and Greens**	
File Name	**imathgfg**	
Attribute Information	**Polygons are attributed by course and hole number and feature name, i.e. #12 green.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete Last Update: 04/03/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current IMATHGFG coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = GOLFCOUR arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. The TSSDS data items were then added to the coverage and the HOLE_NO field was populated.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A. G. Sholar**	**FAC, 451-2213**

Improvements - Playgrounds

Description	**Playground Areas**	
File Name	**imrecply**	
Attribute Information	**System attributes only.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 10/30/97**
	Maintenance and Update Frequency:	**Every 2-3 years**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan, McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current IMRECPLY coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. The orthophotos were used to identify selected DXF LAYER = RECFIELD arcs that represented playground areas. The new IMRECPLY coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Improvements - Recreational Horse Trail

Description	**Trails for recreational horseback riding.**	
File Name	**imrechtr**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1996**	
Status	Progress:	**Complete - Last Update: 10/30/97**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**N/A**
	Media:	**GIS Office/10th Marine Regiment GPS Points**
Process Description:	**GPS points were provided to TEO by the 10th Marine Regiment. TEO then provided the points to the GIS Office to convert to a coverage and connect the points using Arc/INFO.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Improvements - Recycling - Blue Bins

Description	**Data describing location of Blue Bins for waste recyling.**	
File Name	**imgenblu**	
Attribute Information	**Points are attributed by utm coordinates, building number, bin type, i.e. news, white, aluminum cans, composite or magazines.**	
Time Period of Content	**10/1/98**	
Status	Progress:	**In Progress - Last Update: 12/15/98**
	Maintenance and Update Frequency:	**Quarterly.**
Source Information	Scale:	**1:4800**
	Media:	**EMD/ECD**
		Spreadsheets with data items associated with a building number for location
Process Description:	**Data were transfered from spreadsheets to ARC/INFO, linked to building centroids then manipulated in ArcView to create a shapefile, then converted to a coverage in ARC/INFO.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD, 451-5837**

Improvements - Recycling - Cardboard Bins

Description	**Data describing location of Cardboard Recycle Bins.**	
File Name	**imgencrd**	
Attribute Information	**Points are attributed by utm coordinates, building number, bin identifier.**	
Time Period of Content	**10/1/98**	
Status	Progress:	**In Progress - Last Update: 12/15/98**
	Maintenance and Update Frequency:	**Quarterly.**
Source Information	Scale:	**1:4800**
	Media:	**EMD/ECD**
		Spreadsheets with data items associated with a building number for location
Process Description:	**Data were transfered from spreadsheets to ARC/INFO, linked to building centroids then manipulated in ArcView to create a shapefile, then converted to a coverage in ARC/INFO.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD, 451-5837**

Improvements - Recycling - Glass Bins

Description	**Data describing location of Glass Recycle Bins.**	
File Name	**imgengls**	
Attribute Information	**Points are attributed by building number and bin identifier.**	
Time Period of Content	**10/1/98**	
Status	Progress: **In Progress - Last Update: 12/15/98**	
	Maintenance and Update Frequency: **Quarterly.**	
Source Information	Scale: **1:4800**	
	Media: **EMD/ECD**	
	Spreadsheets with data items associated with a building number for location	
Process Description:	**Data were transfered from spreadsheets to ARC/INFO, linked to building centroids then manipulated in ArcView to create a shapefile, then converted to a coverage in ARC/INFO.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD, 451-5837**

Improvements - Recycling - Metal Bins

Description	**Data describing location of Metal Recycle Bins.**	
File Name	**imgenmet**	
Attribute Information	**Points are attributed by utm coordinates, building number and bin identifier.**	
Time Period of Content	**10/1/98**	
Status	Progress:	**In Progress - Last Update 12/15/98**
	Maintenance and Update Frequency:	**Quarterly.**
Source Information	Scale:	**1:4800**
	Media:	**EMD/ECD**
		Spreadsheets with data items associated with a building number for location
Process Description:	**Data were transfered from spreadsheets to ARC/INFO, linked to building centroids then manipulated in ArcView to create a shapefile, then converted to a coverage in ARC/INFO.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD, 451-5837**

Improvements - Recycling - Paper Bins

Description	**Data describing location of Paper Recycle Bins.**	
File Name	**imgenpap**	
Attribute Information	**Points are attributed by utm coordinates, building number, and bin identifier.**	
Time Period of Content	**10/1/98**	
Status	Progress:	**In Progress - Last Update: 12/15/98**
	Maintenance and Update Frequency:	**Quarterly.**
Source Information	Scale:	**1:4800**
	Media:	**EMD/ECD**
		Spreadsheets with data items associated with a building number for location
Process Description:	**Data were transfered from spreadsheets to ARC/INFO, linked to building centroids then manipulated in ArcView to create a shapefile, then converted to a coverage in ARC/INFO.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD, 451-5837**

Improvements - Swimming Pools (Outdoor)

Description	**Outdoor Swimming Pools**	
File Name	**imathpol**	
Attribute Information	**Polygons are attributed by the pool identification area.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 04/03/98**
	Maintenance and Update Frequency:	**Every 2-3 years.**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current IMATHPOL coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = SWIMPOOL arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. The polygons were checked against the Aero-Dynamics orthophotos and POOL_ID was obtained from the 1984 Base Map.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Improvements - Wall Line

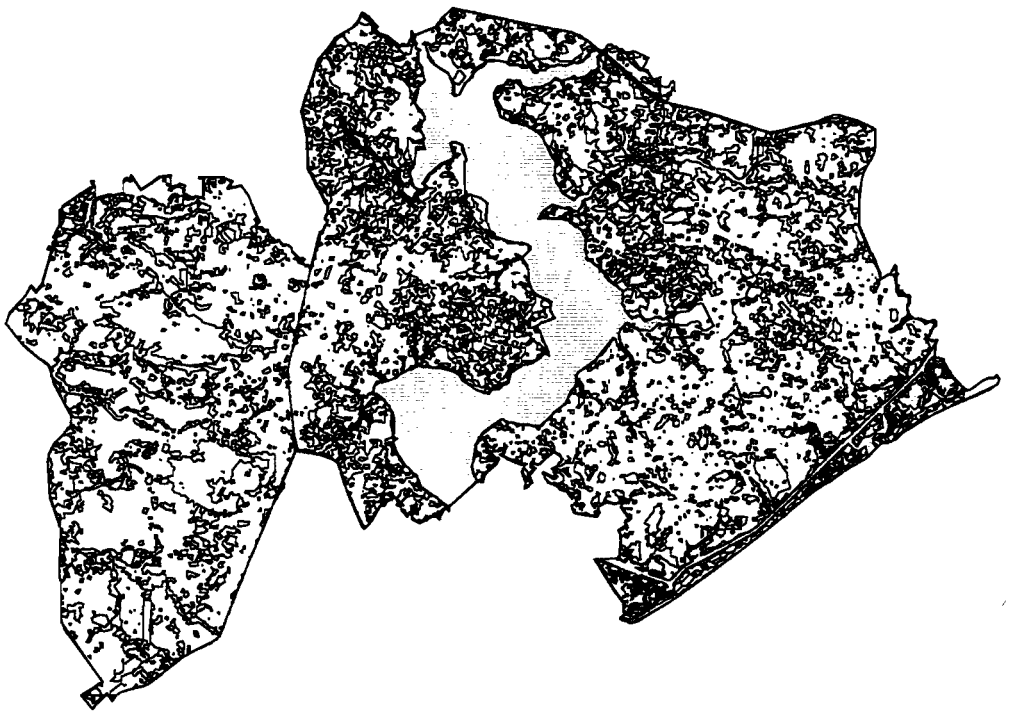
Description	**Wall Lines**	
File Name	**imgenwal**	
Attribute Information	**System attributes only.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 04/03/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current IMGENWAL coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = WALLRETN or WALLARCH arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. The walls were then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Land Status - Cemeteries

Description	**Cemetery sites easily distinguishable from orthophotography**	
File Name	**lscndcem**	
Attribute Information	**System attributes only.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 04/03/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDyamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current LSCNDCEM coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. DXF_LAYER = CEMETERY arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. The new LSCNDCEM coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Land Status - Land Cover

Description	**Areas of similar land cover. This delineation is used to describe the appearance of the land, not how it is being used.**	
File Name	**lscndlcv**	
Attribute Information	**Polygons are attributed by land use and county codes.**	
Time Period of Content	**1987-1989**	
Status	Progress:	**Complete - Last Update: 08/30/96**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**N/A**
	Media:	**NC CGIA**
		LandSat Thematic Mapper Image
Process Description:	**NC CGIA performed a supervised reclassification on LandSat Thematic Mapper satellite images.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. P. Black**	**EMD, 451-2195**



Land Status - Land Use

Description	**Areas of similar land use. Several methods are used to categorize land use.**	
File Name	**lscndlus**	
Attribute Information	**Polygons are attributed by land use code and land use literal description.**	
Time Period of Content	**Unknown**	
Status	Progress:	**Complete - Last Update: 10/1/92**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:Unknown**
	Media:	**City & County Governments, Base Facilities Generalized Land Use Maps**
Process Description:	**Contractor ESRI digitized the coverage from hardcopy generalized land use maps from Jacksonville, Camp Lejeune, and Onslow County.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. B. Ashton**	**EMD, 451-5063**

Land Status - Planned MILCON Construction

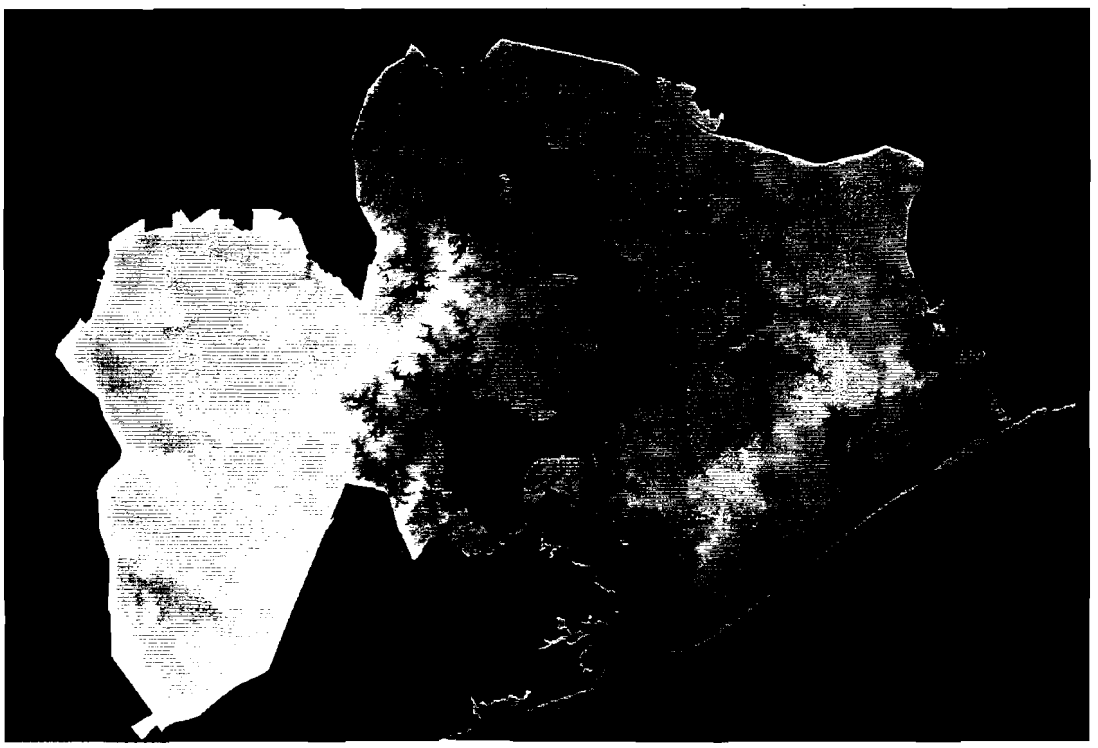
Description	**MILCON planned construction fiscal 2002-2003.**	
File Name	**lsmgtcon**	
Attribute Information	**Polygons are attributed by project number.**	
Time Period of Content	**10/30/98**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Every 2 years.**
Source Information	Scale:	**1:2400**
	Media:	**Facilities, Public Works Division**
		Shapefile provided from Milcon projects
Process Description:	**An ArcView shapefile was provided by the Facilities Department, Public Works Division, which provided the polygons. The shapefile was converted to an ARC/Info coverage and attributed.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Landform - Elevation (Contour)

Description	**Connecting points on the surface of the earth of equal vertical elevation representing some fixed elevation interval.**	
File Name	**lfhypelc**	
Attribute Information	**Arcs are attributed by USGS codes, and elevation in feet.**	
Time Period of Content	**1952-1981**	
Status	Progress: **Complete - Last Update: 07/09/97**	
	Maintenance and Update Frequency: **Infrequent**	
Source Information	Scale: **1:24,000**	
	Media: **USGS**	
	USGS topographic maps	
Process Description:	**Contractor Radian edge-matched all USGS digitized quadrangles.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

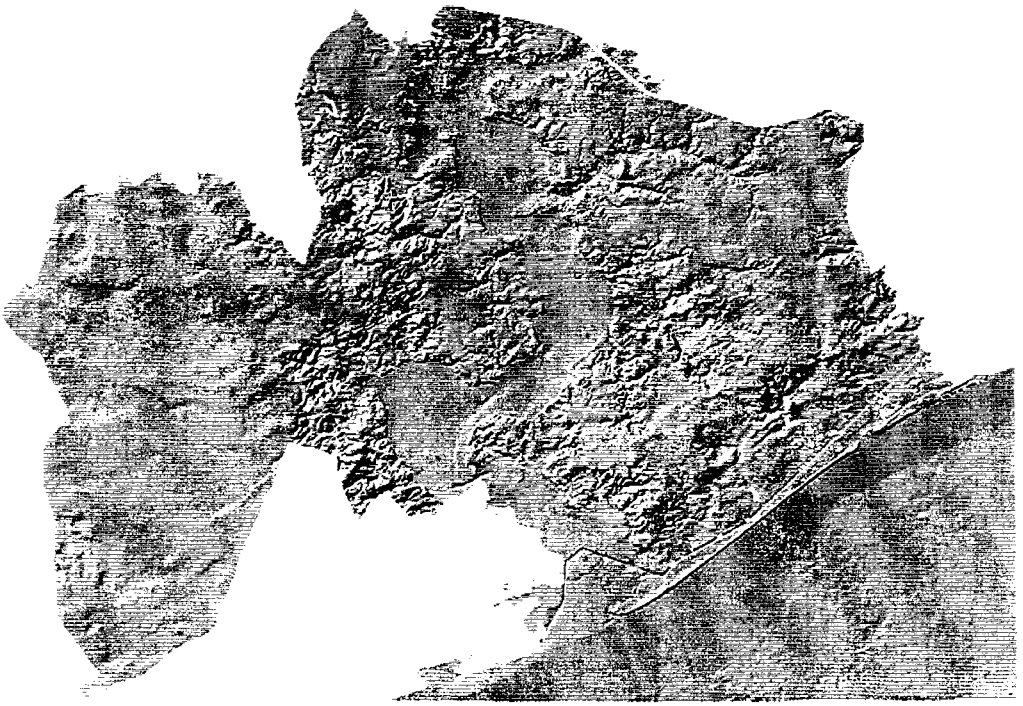
Landform - Elevation (Grid)

Description	**An ARC/INFO grid representing a digital elevation model derived from contours. Also contains bathymetry for the water bodies.**	
File Name	**lfhypelg**	
Attribute Information	**Values represent elevation**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 10/30/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**USGS**
		USGS topographic maps
Process Description:	**The original data were derived from digitized 1:24,000 USGS topographic maps. These had been converted into an ARC/INFO line coverage LFHYPELC which was then converted to a digital elevation model and smoothed. The bathymetry for the New River and offshore waters was then merged to create the current layer.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**



Landform - Elevation (Hillshade)

Description	**An ARC/INFO grid representing hillshaded terrain and bathymetry derived from contours.**	
File Name	**lfhypelh**	
Attribute Information	**Values represent elevation.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 11/11/98**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**USGS**
		USGS topographic maps
Process Description:	**The ARC/INFO GRID command was used to create the hillshade from the digital elevation model grid LFHYPELG.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**



Military - Administrative Landing Zones

Description	**Administrative Landing Zones**	
File Name	**mltngalz**	
Attribute Information	**Points are attributed by description of the area, zone number, UTM coordinates and source.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**Complete - Last Update: 11/12/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:50,000**
	Media:	**TEO**
		Sited from MCB Camp Lejeune Combat Training Chart
Process Description:	**TEO personnel sited locations from MCB Camp Lejeune Combat Training Chart.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Military - Amphibious Drop Zones

Description	**Amphibious Drop Zones.**	
File Name	**mltngadz**	
Attribute Information	**Points are attributed by zone designation.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**Complete - Last Update: 08/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:50,000**
	Media:	**TEO**
		Sited from MCB Camp Lejeune Combat Training Chart
Process Description:	**TEO personnel sited locations from the MCB Camp Lejeune Combat Training Chart.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Military - Amphibious Splash Points

Description	**Amphibious Splash Points.**	
File Name	**mltngspl**	
Attribute Information	**Points are attributed by description, UTM coordinates and data source.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**Complete - Last Update: 07/07/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:24,000**
	Media:	**TEO**
		Sited from MCB Camp Lejeune Training Chart
Process Description:	**TEO personnel sited locations from the MCB Camp Lejeune Combat Training Chart.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Military - Artillery Guns

Description	**Positions of artillery guns.**	
File Name	**mltngagn**	
Attribute Information	**Points are attributed by position number.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**Complete - Last Update: 02/15/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:50,000**
	Media:	**TEO**
		Sited from MCB Camp Lejeune Combat Training Chart
Process Description:	**TEO personnel sited locations from the MCB Camp Lejeune Combat Training Chart.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Military - Declination Stations

Description	**Declination Stations**	
File Name	**mlgendec**	
Attribute Information	**Points are attributed with survey level data including station id, map series and sheet, establishment statistics, Z statistics, horizontal control, elevation in feet and meters, vertical datum, marker type and stamp.**	
Time Period of Content	**1994-1997**	
Status	Progress:	**Complete Last Update: 9/22/97**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**N/A**
	Media:	**U.S. Marine Corps, 10th Marine Regiment Survey Control Data (Trig List)**
Process Description:	**Contractor Radian created the coverage by extracting the declination station points from the Trig List Horizontal Control Layer GDSRVMNT. When possible, the 2nd Datum values (the values updated to NAD1983) were used. If there were no 2nd Datum values, the points were generated from the Local Datum values. Attributes were then joined to the points.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Military - Live Fire Ranges

Description	**Ranges where live firing of weapons is conducted. These areas can also be known as firing fans.**	
File Name	**mltnglvf**	
Attribute Information	**Polygons have system attributes only; regions are attributed by range identifier range maintenance and bullet trap installation dates.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**In Progress - Last Update: 11/10/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:50,000**
	Media:	**TEO**
		Sited from MCB Camp Lejeune Combat Training Chart special overlay
Process Description:	**Contractor ESRI digitized from a hardcopy special topographical overlay to the MCB Camp Lejeune Combat Training Chart. Overlapping polygons were converted into region subclasses within REGION.FIRERANGES. The ID field for each region (range) was calculated to reflect the name of each live fire range. The GSRA fans were later added from a TEO ArcView shapefile.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Military - Mortar Guns

Description	**Mortar gun positions.**	
File Name	**mltngmgn**	
Attribute Information	**Points are attributed by designation, current and previous UTM coordinates.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**Complete - Last Update: 08/15/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:50,000**
	Media:	**TEO**
		Sited from MCB Camp Lejeune Combat Training Chart
Process Description:	**TEO personnel sited locations from the MCB Camp Lejeune Combat Training Chart and cross referenced them with Standard Operating Procedure documents.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Military - Observation Posts

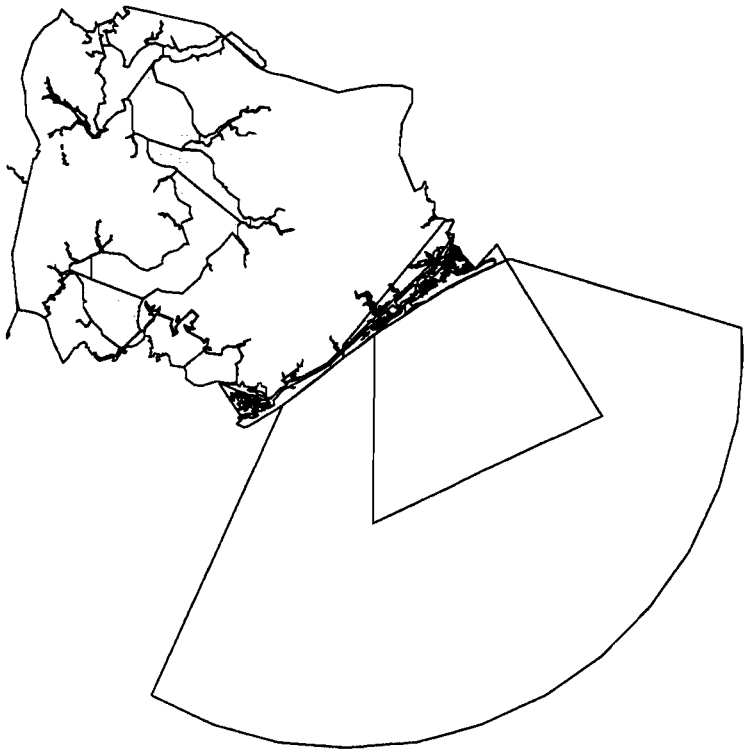
Description	**Towers set up for observation.**	
File Name	**mlgenobs**	
Attribute Information	**Points are attributed by name, UTM coordinates, type and number.**	
Time Period of Content	**06/01/98-10/01/98**	
Status	Progress:	**Complete - Last Update: 12/01/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**TEO/GIS Office/Radian GPS Points**
Process Description:	**GPS points were obtained for towers by TEO personnel. GIS Office and Radian personnel then created a coverage for these points and extracted the Observation Posts to create the current coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Military - Parachute Drop Zones

Description	**Parachute Drop Zones.**	
File Name	**mltngpdz**	
Attribute Information	**Points are attributed by zone name.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**Complete - Last Update: 07/09/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:50,000**
	Media:	**TEO**
		Sited from MCB Camp Lejeune Combat Training Chart
Process Description:	**TEO personnel sited locations from the MCB Camp Lejeune Combat Training Chart.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

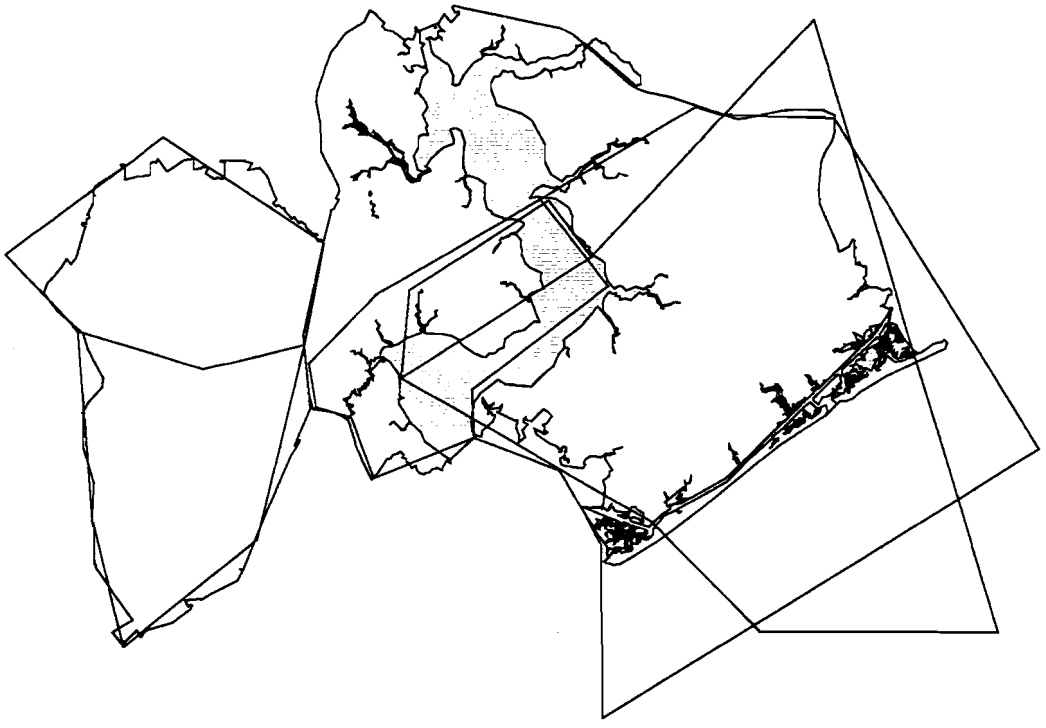
Military - River Sectors of Impact

Description	**River sectors where military impacts take place.**	
File Name	**mltngriv**	
Attribute Information	**Polygons are attributed by sector name and text describing the five applicable regulations pertaining to the sectors. Regions are attributed by sector.**	
Time Period of Content	**1995-1996**	
Status	Progress: **In Progress - Last Update: 06/15/98**	
	Maintenance and Update Frequency: **Annually**	
Source Information	Scale: **N/A**	
	Media: **US Army Corps of Engineers**	
	33 CFR Ch II 334.440: "New River, NC and Vicinity Firing Ranges."	
Process Description:	**Contractor Radian created the coverage using bearings and distances contained in the Code of Federal Regulations.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**



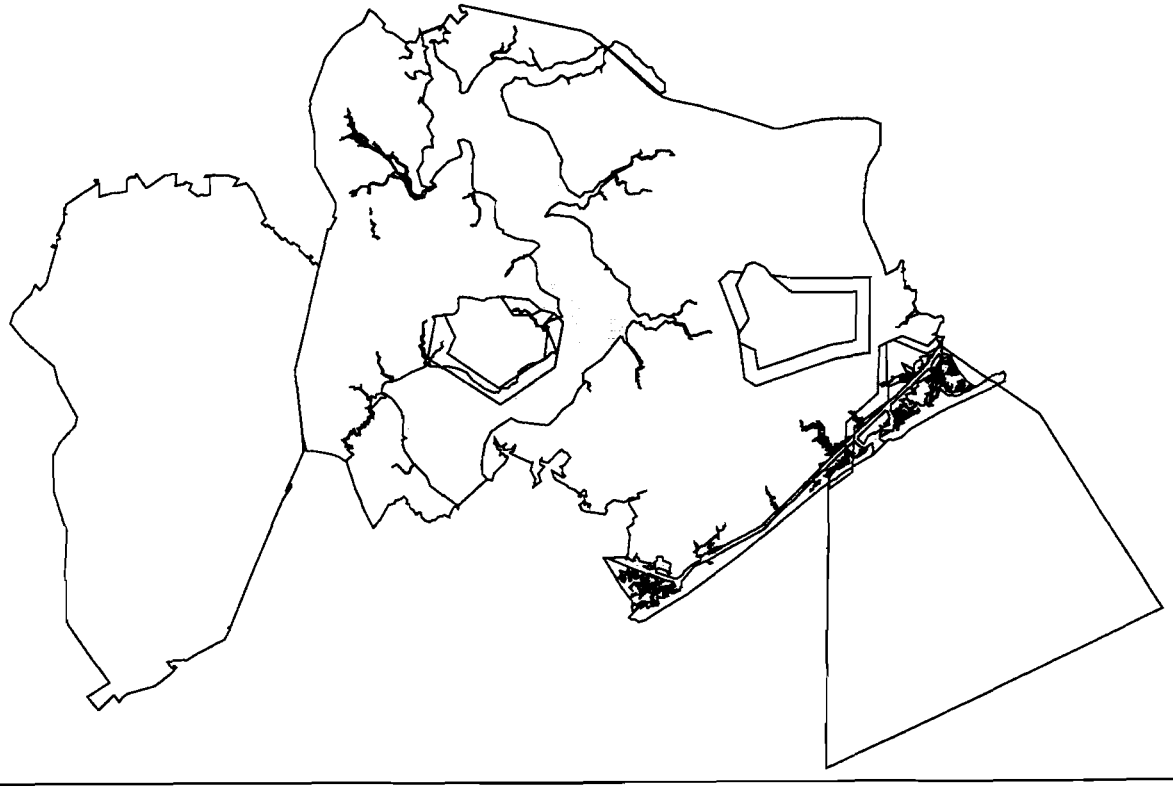
Military - Special Use Airspace

Description	**Special Use airspace (SUA) is a three-dimensional region of airspace for activities which must be confined because of their nature.**	
File Name	**mlairsua**	
Attribute Information	**Polygons and regions are attributed by designation.**	
Time Period of Content	**1976-1997**	
Status	Progress: **In Progress - Last Update: 12/01/98**	
	Maintenance and Update Frequency: **Infrequent**	
Source Information	Scale: **1:50,000**	
	Media: **TEO, FAA**	
	Two airspace maps of MCB Camp Lejeune, 14 CFR Part 73	
Process Description:	**Contractor ESRI digitized the mainside polygons from hardcopy maps of Camp Lejeune; one of existing air space and one of proposed air space. Contractor Radian then added the GSRA polygons based on coordinates contained within 14 CFR Part 73 dated October, 1997.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**



Military - Surface Danger Zone

Description	**Areas where live or inert ordnance impact the earth after being dropped from aircraft, fired from ground-based artillery, or fired from shipboard guns.**	
File Name	**mlsftsdz**	
Attribute Information	**Polygons are attributed by area name and class.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**Complete - Last Update: 08/15/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:50,000**
	Media:	**TEO**
		Sited From MCB Camp Lejeune Combat Training Chart
Process Description:	**TEO personnel sited locations from the MCB Camp Lejeune Combat Training Chart.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**



Military - Tactical Landing Zones

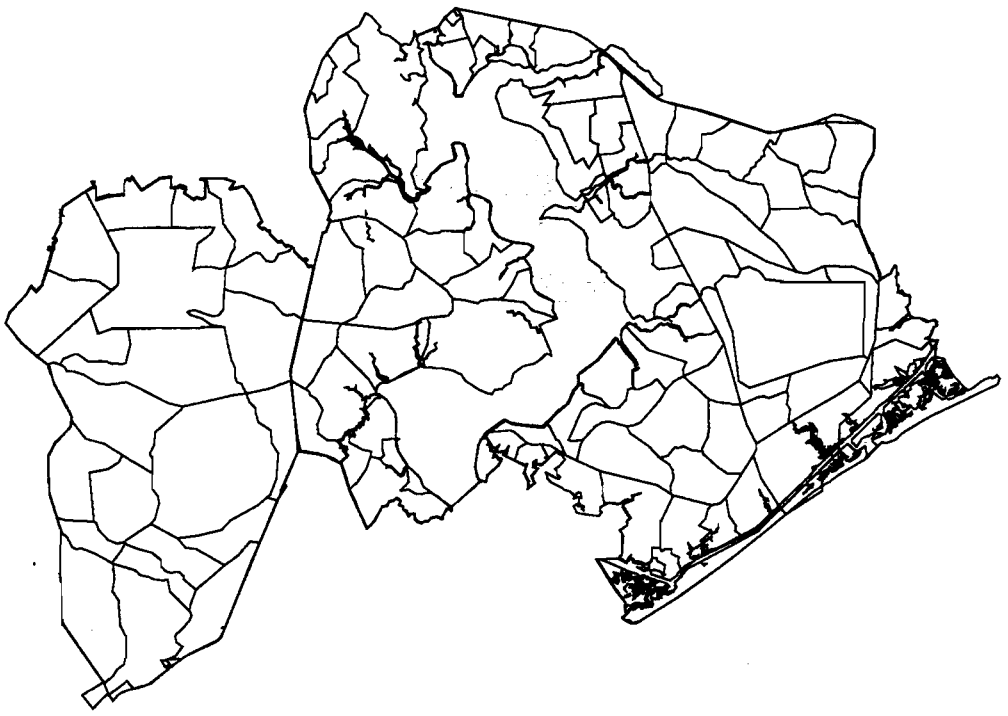
Description	**Unimproved areas where aircraft (typically helicopters) can land to load or offload troops and cargo.**	
File Name	**mltnglzn**	
Attribute Information	**Points are attributed by zone name and number.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**Complete - Last Update: 07/09/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:50,000**
	Media:	**TEO**
		Sited from MCB Camp Lejeune Combat Training Chart
Process Description:	**TEO personnel sited locations from the MCB Camp Lejeune Combat Training Chart.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Military - Tank Crossing Pads

Description	**Locations of tank crossing pads.**	
File Name	**mltngtcp**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 2/23/90**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:24000**
	Media:	**USGS**
		Automated USGS digital line files
Process Description:	**Contractor ESRI created the coverage from USGS DLG files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

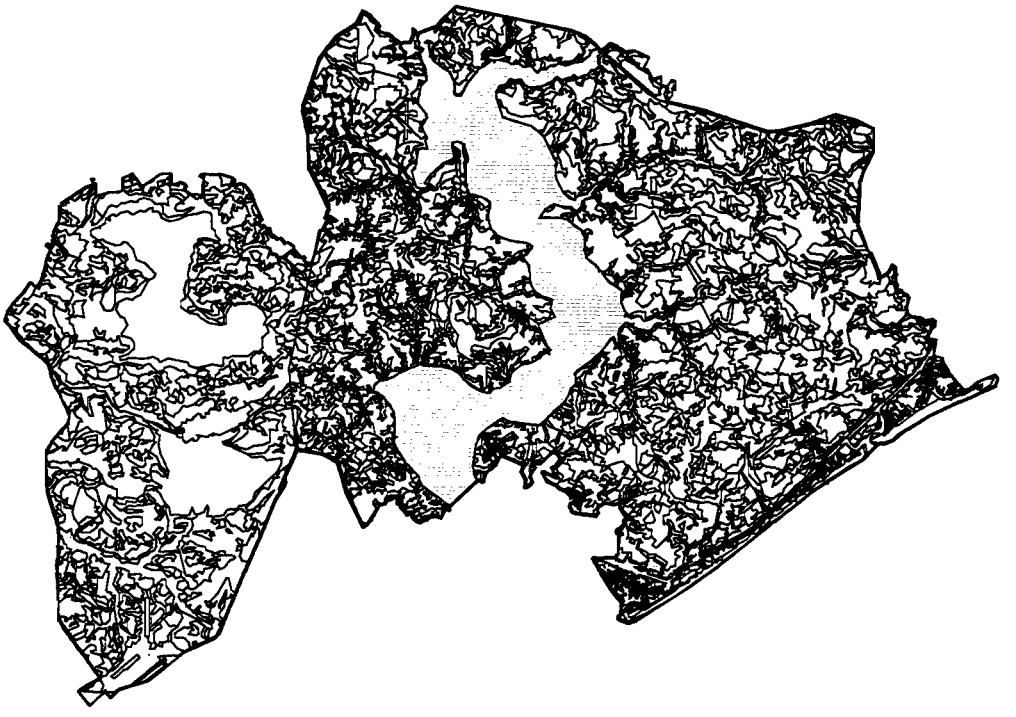
Military - Training Areas

Description	**Areas where military training is conducted.**	
File Name	**mltngtrg**	
Attribute Information	**Polygons are attributed by area code; regions are attributed by block.**	
Time Period of Content	**1983-1996**	
Status	Progress:	**Complete - Last Update: 08/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:50,000**
	Media:	**TEO**
		Sited from MCB Camp Lejeune Combat Training Chart
Process Description:	**TEO personnel sited locations from the MCB Camp Lejeune Combat Training Chart.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**



Soil - Soil Unit

Description	**An area with similar soil characteristics. The size of the units used for an installation differs based upon the smallest area of land that is managed for a particular land use.**	
File Name	**sogenunt**	
Attribute Information	**Polygons are attributed by soil type code and literal identifier.**	
Time Period of Content	**1982**	
Status	Progress:	**Complete - Last Update: 4/3/90**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**U.S. SCS**
		U.S. Soil Conservation Service soil survey maps
Process Description:	**Contractor ESRI digitized the coverage from hardcopy.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**



Transportation - Airfield Surface

Description	**The surface areas that aircraft utilize, including runways, taxiways, and parking ramps.**	
File Name	**trairsur**	
Attribute Information	**Polygons are attributed by air surface identifier.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister Vector Data From 1996 Flyover of Camp Lejeune**
Process Description:	**The original vector data for the current TRAIRSUR coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and and converted all arcs with dxf-layer = AIRPPAVE into an Arc/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Transportation - Driveways

Description	**Vehicle Driveways**	
File Name	**trvehdrv**	
Attribute Information	**Polygons are attributed by paved status; paved, unpaved.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan, McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRVEHDRV coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and converted dxf-layer = DRIVEPAV, DRIVEUPA, ROADPAVE, ROADUPAV, PARKLOTP, AND PARKLOTU vectors into Arc/INFO format. The new polygon vectors had to be made to correspond exactly with adjoining vectors from the roads, parking lots, and buildings coverages.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Transportation - Footbridges

Description	**Pedestrian Bridges**	
File Name	**trpedbrg**	
Attribute Information	**Polygons are attributed by bridge type and status.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Every 2-3 years**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan, McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRPEDBRG coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data inAutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All dxf-layer = FOOTBRID arcs were pulled from the converted Arc/INFO files for Camp Lejeune. The TRPEDBRG coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Transportation - Harbor Area

Description	**Harbor Mooring Facilities**	
File Name	**trhrbmor**	
Attribute Information	**Polygons are attributed by facility identifier and mooring type.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan, McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRHRBMOR coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All DXF_LAYER = BOATDOCK arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. The coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Transportation - Parking Lots

Description	**Vehicle Parking Lots**	
File Name	**trvehprk**	
Attribute Information	**Polygons are attributed by paved status and type of use.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRVEHPRK coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and converted dxf-layer = DRIVEPAV, DRIVEUPA, ROADPAVE, ROADUPAV, PARKLOTP, AND PARKLOTU vectors into Arc/INFO format. The new polygon vectors had to be made to correspond exactly with adjoining vectors from the roads, parking lots, and buildings coverages.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Transportation - Railroad Bridges

Description	**Railroad Bridges**	
File Name	**trrrdbrg**	
Attribute Information	**Polygons are attributed by bridge material, type and number of lanes.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Every 2-3 years**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRRRDBRG coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data inAutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All dxf-layer = RAILBRID arcs were pulled from the CAD files for Camp Lejeune. The TRRRDBRG coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Transportation - Railroad Centerline

Description	**The centerline of a railway system.**	
File Name	**trrrdrcl**	
Attribute Information	**Arcs are attributed by line status and total length.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Every 2-3 years.**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRRRDRCL coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All dxf-layer = RAILROAD arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. The TRRRDRCL coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Transportation - Road Centerline

Description	**Road Centerlines**	
File Name	**trvehrcl**	
Attribute Information	**Arcs are attributed by road category, number of lanes and name.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete - Last Update: 04/15/98**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRVEHRCL coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and it was converted to Arc/INFO using the DXFARC command. Centerline arcs were generated from DXF-LAYER = ROADCLNS and ROADTRAL lines in the converted Arc/INFO files. The ROADCLNS arcs were processed independently of the ROADTRAL arcs.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Transportation - Road Edge

Description	**The visible edge of a roadway.**	
File Name	**trvehedg**	
Attribute Information	**Polygons are attributed by paved status; paved, unpaved.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRVEHRDS coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and converted dxf-layer = DRIVEPAV, DRIVEUPA, ROADPAVE, ROADUPAV, PARKLOTP, AND PARKLOTU vectors into Arc/INFO format. The new polygon vectors had to be made to correspond exactly with adjoining vectors from the roads, parking lots, and buildings coverages.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A. G. Sholar**	**FAC, 451-2213**

Transportation - Road Signs

Description	**Locations of traffic signs visible from the ortho photography.**	
File Name	**trvehfet**	
Attribute Information	**Points are attributed by sign type and location in relation to the road.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Every 2-3 years.**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From the 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRVEHFET coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All dxf-layer = SIGNSTRT arcs were pulled from the converted Arc/INFO coverages for Camp Lejeune. The TRVEHFET coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Transportation - Vehicular Bridges

Description	**Vehicle Bridges**	
File Name	**trvehbrg**	
Attribute Information	**Polygons are attributed by bridge type and material.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current TRVEHBRG coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and this data was converted to Arc/INFO using the DXFARC command. DXF-LAYER = ROADBRID lines were pulled from the converted Arc/INFO coverages to create the TRVEHBRG data set. The new polygon vectors had to be made to correspond exactly with adjoining vectors from the roads.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Electrical Cable Group

Description	**A group of conductors of electrical energy used to carry electrical power from source to load.**	
File Name	**utelecgp**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Electrical Text

Description	**Text pertaining to electrical utilities.**	
File Name	**uteletxt**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Fuel Tanks

Description	**Visible Fuel Tanks**	
File Name	**utfultnk**	
Attribute Information	**Points are attributed by building number.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister Vector Data From 1996 Flyover of Camp Lejeune**
Process Description:	**The original point data for the current UTFULTNK coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All dxf-layer = STRTTANK arcs were pulled from the converted Arc/INFO files for Camp Lejeune. The fuel tank points coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - General Pole Tower

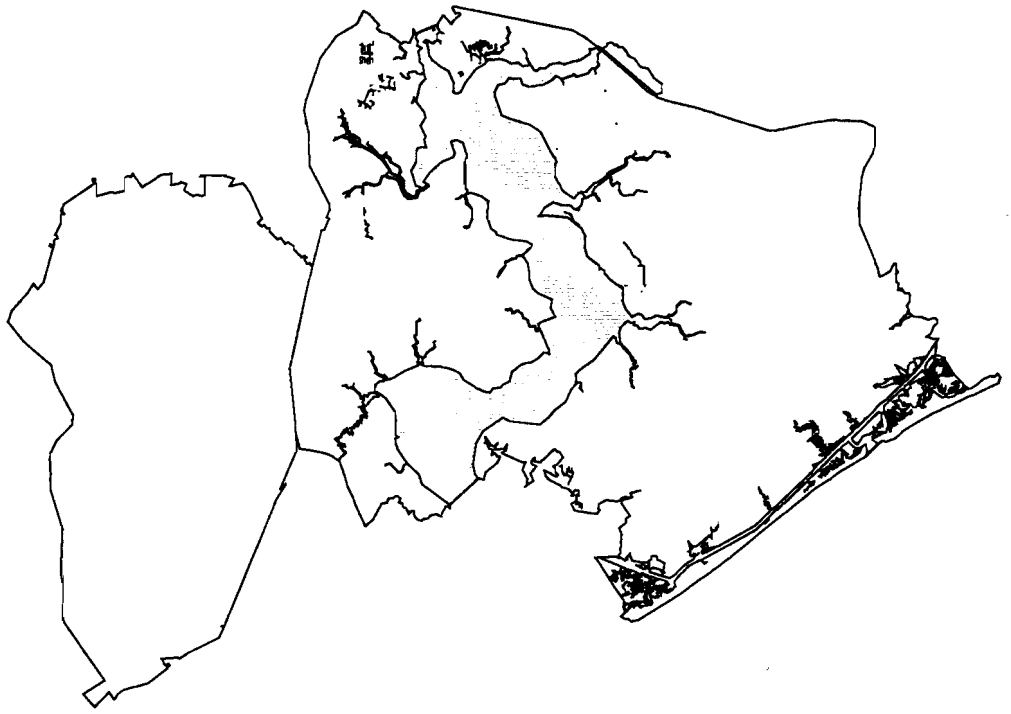
Description	**A structure used to elevate items above the ground surface.**	
File Name	**utgentwr**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Heat Cool Line

Description	**A pipe used to carry a substance from location to location (main line, service line, vent line, etc).**	
File Name	**uthcspip**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Heat Cool Line (Ortho)

Description	**Heating and Cooling System Lines visible from the air.**	
File Name	**uthcsopi**	
Attribute Information	**Arcs are attributed by line use.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original point data for the current UTHCSPIP coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and this data was converted to Arc/INFO using the DXFARC command. All DXF-LAYER = STRTPIPE arcs were pulled from the converted Arc/INFO coverages. GIS Office personnel renamed the coverage to UTHCSOPI to avoid conflict with an existing coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**



Utilities - Heat Cool Text

Description	**Text pertaining to heating and cooling utilities.**	
File Name	**uthcstxt**	
Attribute Information	**Annotation layer for heating-cooling utilities.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Pipes and Trans Lines (DLG)

Description	**Pipes and transmission lines from Digital Line Graphs.**	
File Name	**utgenptr**	
Attribute Information	**Arcs are attributed by USGS codes.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 9/9/91**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**USGS Digital Line Graphs**
Process Description:	**Contractor ESRI created the coverage from USGS DLG files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Storm Sewer Headwalls

Description	**Storm Sewer Headwalls**	
File Name	**utstohdw**	
Attribute Information	**System attributes only.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister Vector Data From 1996 Flyover of Camp Lejeune**
Process Description:	**The original arc data for the current UTSTOHDW coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. All dxf-layer = UTILHDWL arcs were pulled from the converted Arc/INFO files for Camp Lejeune. The headwall arcs were then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Storm Sewer Inlet

Description	**The location where water is collected and recieved into the utility system.**	
File Name	**utstoinl**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Storm Sewer Inlet (Ortho)

Description	**Storm Sewer Inlets visible from the air.**	
File Name	**utstooin**	
Attribute Information	**Points are attributed by inlet description.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current UTSTOINL coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 and all Block Inserts = UTILSTRM were pulled from the CAD files. Label points were added at insert midpoints to create point data. GIS Office personnel renamed the coverage to UTSTOOIN to avoid conflict with an existing layer.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Storm Sewer Line

Description	**A pipe used to carry a substance from location to location (main line, service line, vent line, etc).**	
File Name	**utstopip**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Storm Sewer Manhole

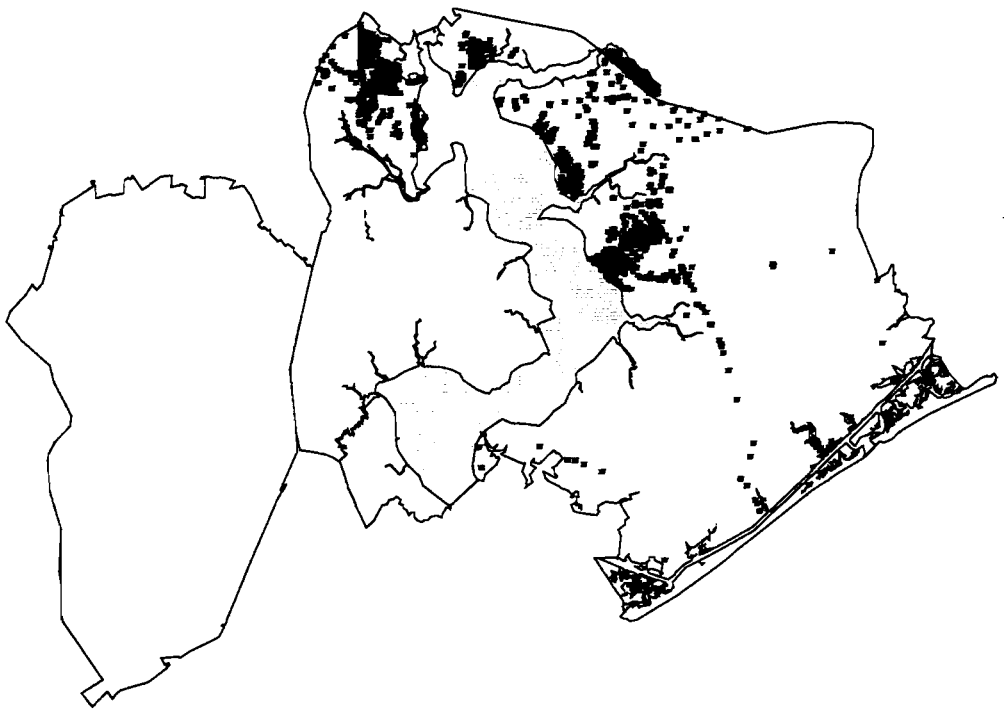
Description	**A box or small vault (usually concrete, brick, or cast iron) located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc.**	
File Name	**utstomh**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Storm Sewer Text

Description	**Text pertaining to storm sewer utilities.**	
File Name	**utstotxt**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Transformer

Description	**Location of individual transformers and results of PCB investigation.**	
File Name	**uteletfr**	
Attribute Information	**Points are attributed by transformer number, serial number, manufacturer, kva, voltage, height, width, weight, gallonsoil, building number, UTM coordinates, lat/long, pcb class and pcb value.**	
Time Period of Content	**1996-1997**	
Status	Progress:	**In Progress - Last update 06/01/98**
	Maintenance and Update Frequency:	**Annually until PCB's phased out.**
Source Information	Scale:	**N/A**
	Media:	**Radian International LLC**
		GPS Table from PCB Investigation
Process Description:	**The original data were GPS points in latitude-longitude captured during Phase I of the PCB Transformer Testing contract. These data were used to create an event theme in ArcView, then converted into an ARC/INFO coverage and reprojected into UTM coordinates.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**



Utilities - Transformer Bank Point

Description	**The location of the transfromer bank (probably a pole location) with one or more transformers.**	
File Name	**uteletbk**	
Attribute Information	**Points attributed by number, serial number, manufacturer, kva, voltage, height, width, weight, gallons, building number, UTM coordinates, lat/long/ pcb class and value.**	
Time Period of Content	**1996-1997**	
Status	Progress:	**In Progress - Last Update 06/01/98**
	Maintenance and Update Frequency:	**Annually until PCB's phased out.**
Source Information	Scale:	**N/A**
	Media:	**Radian International LLC**
		GPS Data from PCB Investigation
Process Description:	**The original GPS table was submitted as a Microsoft Excel file of transformer identifier, northing and easting coordinates, and a description of the PCB results as part of the PCB Investigation contract. This file was converted into a dBase (.dbf) file and then used as an event table in ArcView to create a point shapefile. The point shapefile was then coverted into an Arc/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Utility Pole

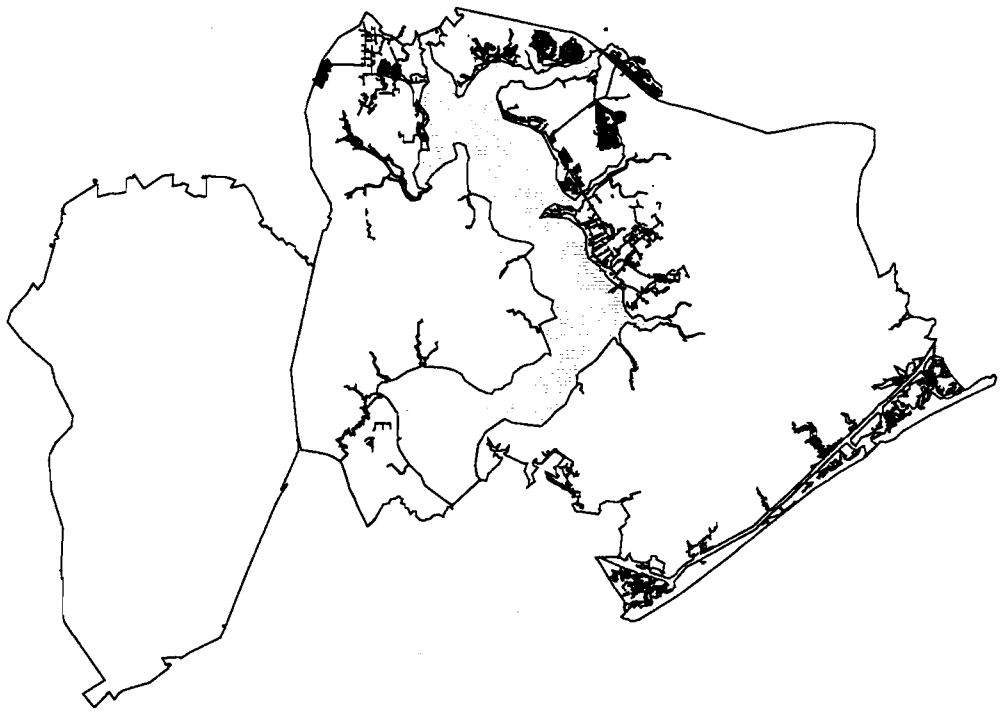
Description	**General Utility Poles**	
File Name	**utgenotw**	
Attribute Information	**System attributes only.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original point data for the current UTGENTWR coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the Utility Pole data was converted to Arc/INFO using the DXFARC <block> <insert> command for DXF-LAYER = UTILELEC. The UTGENTWR coverage was then CLIPped to the installation boundary.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Wastewater Cleanout

Description	**Wastewater line cleanout.**	
File Name	**utwwtcln**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Wastewater Line

Description	**A pipe used to carry a substance from location to location (main line, service line, vent line, etc).**	
File Name	**utwwtpip**	
Attribute Information	**Arc are attributed by the AutoCAD layer name.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**



Utilities - Wastewater Manhole

Description	**A box or small vault (usually concrete, brick, or cast iron) located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc.**	
File Name	**utwwtmh**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress: **In Progress - Last Update: 6/1/96**	
	Maintenance and Update Frequency: **Annually**	
Source Information	Scale: **1:4800**	
	Media: **Public Works AutoCAD Drawings**	
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Wastewater Oil Water Separator

Description	**A device or structure placed in the waste stream to separate water from oil products.**	
File Name	**utwwtsep**	
Attribute Information	**Points attributed by sequence, structure, area, facility, unit, POC, NAVFAC drawing, coordinates, purpose, misuse, flow, velocity, discharge, recommendation and comments.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete - Last Update: 6/27/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Avolis**
		Resource Grade GPS
Process Description:	**Contractor Avolis used resource grade GPS units to collect locational data of all known sites.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Wastewater Pump Station

Description	**A building in which one or more pumps operate to supply material flowing at adequate pressure to or from a distribution system.**	
File Name	**utwwtpst**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Wastewater Text

Description	**Text pertaining to wastewater utilities.**	
File Name	**utwwttxt**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCAD files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Wastewater Treatment Plant

Description	**Wastewater Treatment Plants**	
File Name	**utwwttpt**	
Attribute Information	**Polygons are attributed by a narrative descriptor of area covered.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From the 1996 Flyover of Camp Lejeune
Process Description:	**The original vector data for the current UTWWTTPT coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 format and the data was converted to Arc/INFO using the DXFARC command. The UTWATTNK vectors were derived from selected DXF-LAYER UTILWATP and UTILSEWP arcs pulled from the converted Arc/INFO coverages for Camp Lejeune.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Water Fire Connection

Description	**An apparatus which dispenses fluids for use in fire management.**	
File Name	**utwatfir**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCad Files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Water Fitting

Description	**A fitting is an item used to connect, cap, plug or otherwise alter a pipe.**	
File Name	**utwatfit**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works**
		AutoCAD Drawings
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works Autocad files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Water Line

Description	**A pipe used to carry a substance from location to location (main line, service line, vent line, etc).**	
File Name	**utwatpip**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works Autocad files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Water Supply Wells

Description	**Location of drinking water supply wells.**	
File Name	**utwatwel**	
Attribute Information	**Points are attributed by well identifier, utm coordinates, area, active status, source of information and datum.**	
Time Period of Content	**1996-1997**	
Status	Progress:	**Complete - Last Update: 08/26/97**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**N/A**
	Media:	**Baker Environmental**
		GPS Points from the Groundwater Monitoring Well Management Plan
Process Description:	**Contractor Baker used GPS to locate supply wells. The points were used to create an ArcView theme and then converted to an Arc/INFO coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Water Tank

Description	**An above or below grade receptacle or chamber for holding components on a temporary basis prior to transfer or use.**	
File Name	**utwattnk**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works**
		AutoCAD Drawings
Process Description:	**Contractor radian georeferenced and rubber sheeted Public works AutoCad files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr A.G. Sholar**	**FAC,451-2213**

Utilities - Water Tank (Ortho)

Description	**Water Tanks visible from the air.**	
File Name	**utwatotn**	
Attribute Information	**Points are attributed by tank status and building number.**	
Time Period of Content	**03/09/96**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:2400**
	Media:	**AeroDynamics and Eagan McAllister**
		Vector Data From 1996 Flyover of Camp Lejeune
Process Description:	**The original point data for the current UTWATTNK coverage was gathered as part of a March 9, 1996 flyover of MCB Camp Lejeune. Aero-Dynamics mapped the data in AutoCAD rel. 12 and then converted it to Arc/INFO using the DXFARC command. The vectors were derived from selecting DXF-LAYER = UTILWATR and STRTTANK arcs. GIS Office personnel renamed the coverage to UTWATOTN to avoid conflict.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Water Text

Description	**Text pertaining to water distribution utilities.**	
File Name	**utwattxt**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCad files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

Utilities - Water Valve

Description	**A fitting or device used for shutting or throttling flow through a line.**	
File Name	**utwatvlv**	
Attribute Information	**Points are attributed by the AutoCadd layer name.**	
Time Period of Content	**1984-1994**	
Status	Progress:	**In Progress - Last Update: 6/1/96**
	Maintenance and Update Frequency:	**Annually**
Source Information	Scale:	**1:4800**
	Media:	**Public Works AutoCAD Drawings**
Process Description:	**Contractor Radian georeferenced and rubber sheeted Public Works AutoCad files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**

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SECTION 2

GREATER SANDY RUN AREA

DATA LAYERS

This section contains geographic information originating from the 1992 GSRA Master Plan and are considered Planned or Proposed information.

This data is accessible on-line by IGIR System Users

NOTICE

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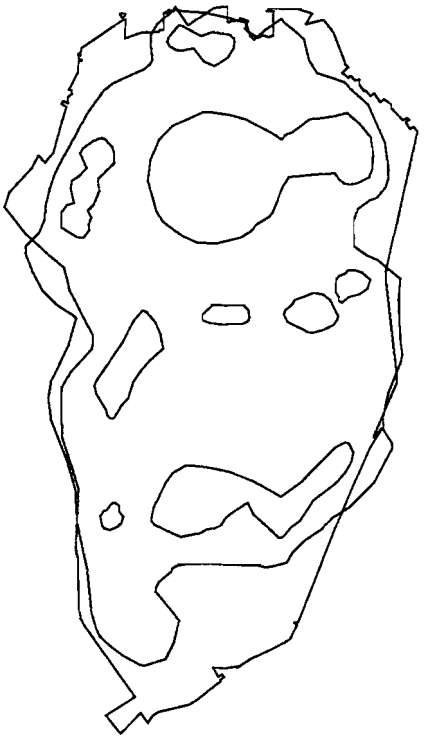
Address all comments, changes, or requests for additional IGIR data layers to:

Commanding General
Attn: AC/S-EMD, (Manager, GIS Office)
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

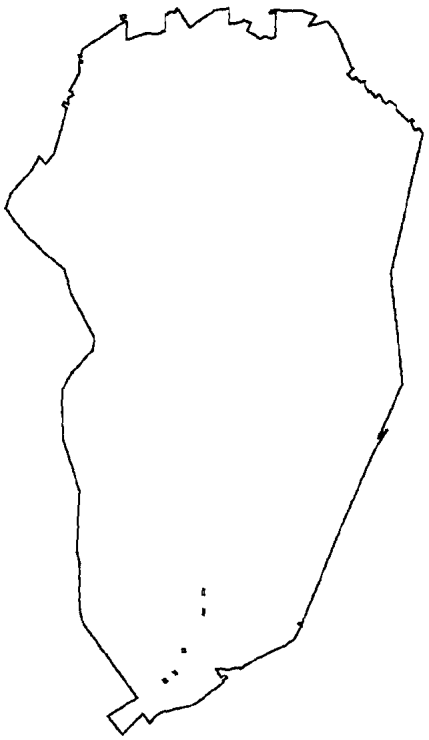
Auditory - Noise Contours/Zones

Description	**An area that describes the noise attributed to operations. For aircraft operations, the day/night average sound level (Ldn) descriptor is typically used to categorize noise levels.**	
File Name	**aunoizon**	
Attribute Information	**Polygons are attributed with zone (II or III).**	
Time Period of Content	**1992**	
Status	Progress:	**In Progress - Last Update: 1/19/96**
	Maintenance and Update Frequency:	**Annually or as needed.**
Source Information	Scale:	**1:4800**
	Media:	**Public Works/ONYX**
		AutoCAD Drawings From the GSRA Master Plan
Process Description:	**Contractor ONYX georeferenced and rubber sheeted Public Works AutoCAD files from the GSRA Master Plan for APMM.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**



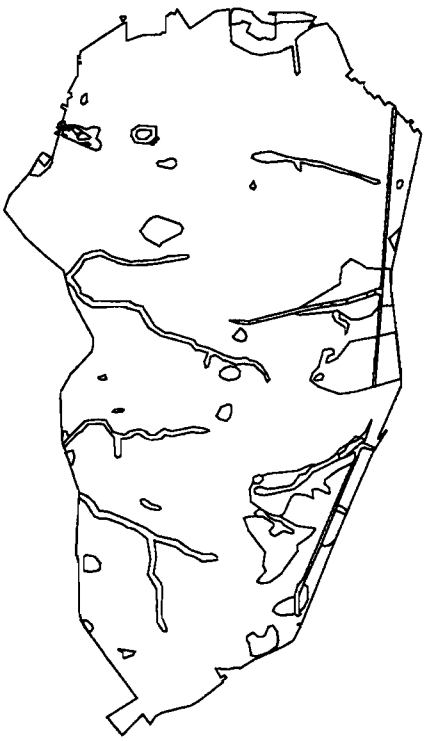
Buildings - GSRA Planned Structures

Description	**Structures planned for the Greater Sandy Run Area (GSRA Master Plan).**	
File Name	**bggenexs**	
Attribute Information	**Polygons attributed by building type.**	
Time Period of Content	**1992**	
Status	Progress:	**In Progress - Last Update: 1/19/96**
	Maintenance and Update Frequency:	**Annually or as needed.**
Source Information	Scale:	**1:4800**
	Media:	**Public Works**
		AutoCAD Drawings from the GSRA Master Plan
Process Description:	**Contractor ONYX georeferenced and rubber sheeted Public Works AutoCAD files from the GSRA Master Plan for APMM.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**



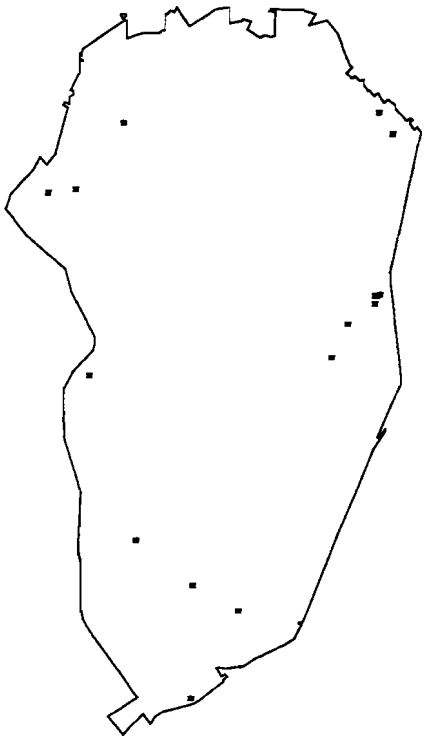
Flora - Special Plant Site

Description	**A site or location where there are threatened, endangered or sensitive floral species.**	
File Name	**flmgtspe**	
Attribute Information	**Polygons are attributed by endangered code and natural area code.**	
Time Period of Content	**1992**	
Status	Progress:	**In Progress - Last Update: 03/07/97**
	Maintenance and Update Frequency:	**Annually or as needed.**
Source Information	Scale:	**1:4800**
	Media:	**Public Works/ONYX**
		AutoCAD Drawings from the GSRA Master Plan
Process Description:	**Contractor ONYX georeferenced and rubber sheeted Public Works AutoCAD files from the GSRA Master Plan for APMM.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Hammond**	**EMD, 451-2148**



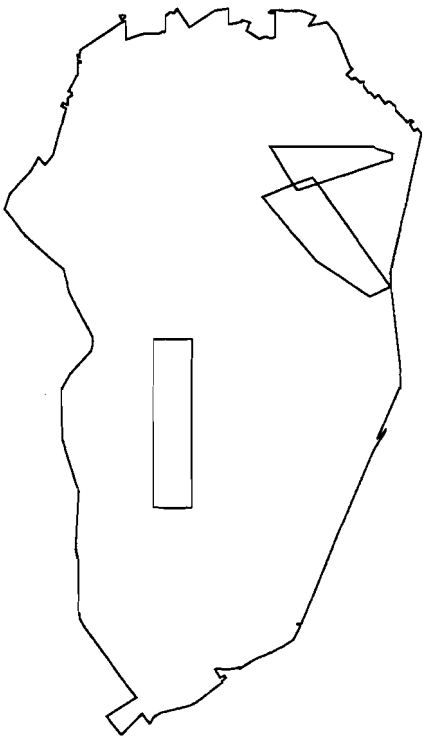
Geodetic - Control Points (Master Plan)

Description	**A permanently monumented survey control point constructed with an original purpose of establishing spatial location in one or more dimensions from a known reference or datum.**	
File Name	**gdsrvmnt**	
Attribute Information	**Points are attributed by feature id, grid coordinate, name, t_o#, project number and display.**	
Time Period of Content	**1992**	
Status	Progress:	**Complete - Last Update: 1/19/96**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:4800**
	Media:	**Public Works/ONYX**
		AutoCAD Drawings from the GSRA Master Plan
Process Description:	**Contractor ONYX georeferenced and rubber sheeted Public Works AutoCAD files from the GSRA Master Plan for APMM.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. A.G. Sholar**	**FAC, 451-2213**



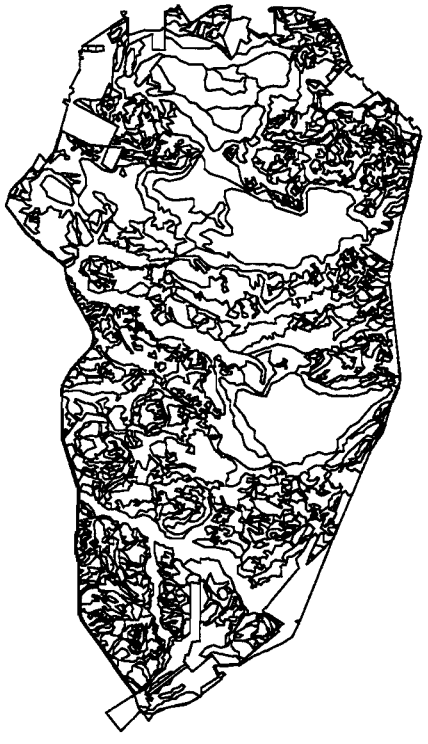
Military - Live Fire Ranges (Footprints)

Description	**An area used for live fire training.**	
File Name	**mltnglvf**	
Attribute Information	**Polygons have system attributes only; regions are attributed by range name.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete - Last Update: 09/24/97**
	Maintenance and Update Frequency:	**Annually or as needed.**
Source Information	Scale:	**N/A**
	Media:	**Army Corps of Engineers Survey Techniques**
Process Description:	**Army Corps of Engineers surveyed locations. The resulting AutoCAD files were imported to the GIS System by TEO personnel.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**



Soil - Soil Unit

Description	**Areas of similar soil characteristics.**	
File Name	**sogenips**	
Attribute Information	**Polygons are attributed by soil group.**	
Time Period of Content	**1994**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**None planned.**
Source Information	Scale:	**1:24000**
	Media:	**AutoCad drawings of digitized mylars**
Process Description:	**Contractor Radian digitized mylar overlays to aerial photos. The resulting AutoCAD files were then converted and transformed into a GIS coverage.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**



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SECTION 3

MARINE CORPS AIR STATION, NEW RIVER DATA LAYERS

This section contains geographic information originating from MCASNR data collection and survey processes.

This data is accessible on-line by IGIR System Users

NOTICE

Although every effort has been made to ensure the accuracy of information, errors and conditions originating from physical sources used to develop the database may be reflected in the data supplied. The requester must be aware of data conditions and ultimately bear responsibility for the appropriate use of the information with respect to possible errors, original map scale, collection methodology, currency of data, and other conditions specific to certain data.

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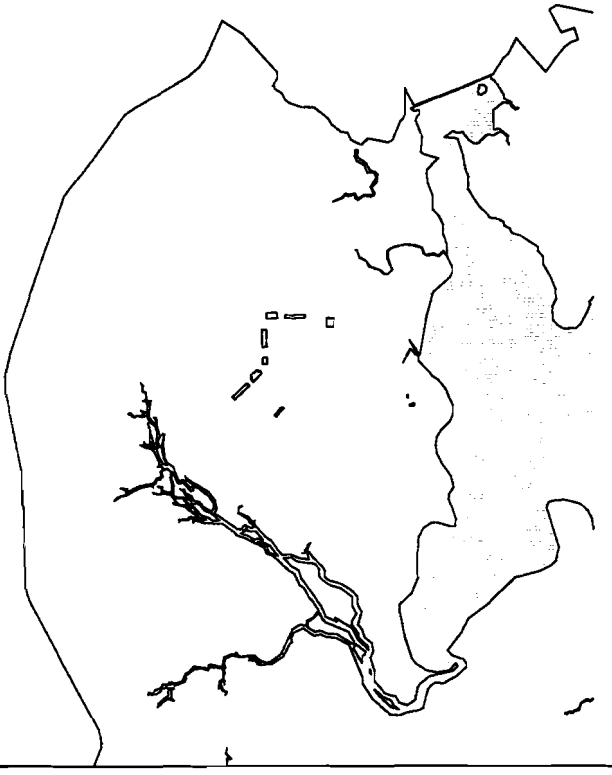
Commanding General
Attn: AC/S-EMD, (Manager, GIS Office)
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

Buildings - Existing Buildings

Description	**Existing buildings identified and located as part of the Hangar Drain Study at MCAS New River.**	
File Name	**bggenexs**	
Attribute Information	**Polygons have system attributes only; Arcs are attributed with their original AutoCAD descriptors of color, thickness, and type.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**None planned.**
Source Information	Scale:	**N/A**
	Media:	**EnSafe Services**
		Hangar Drain Study
Process Description:	**Contractor EnSafe Services used differential GPS, survey and field verification to create georeferenced AutoCAD files which were then converted to GIS as part of the MCAS New River Hangar Drain Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Goodman**	**SEA, 450-5441**

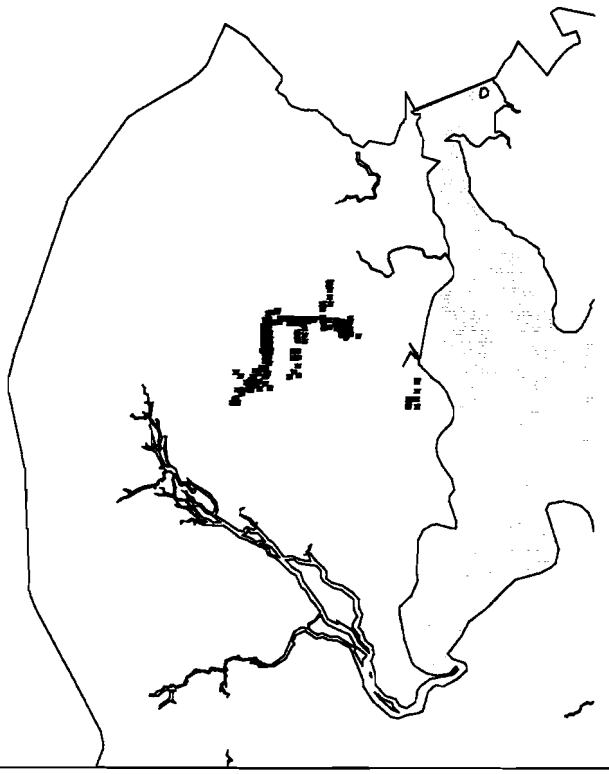


Utilities - Oil/Water Separators

Description	**A device used to separate oil and water in a storm drainage system. These devices were identified and located as part of the Hangar Drain Study at MCAS New River.**	
File Name	**utstoset**	
Attribute Information	**Lines are attributed with system attributes only.**	
Time Period of Content	**1997**	
Status	Progress: **Complete**	
	Maintenance and Update Frequency: **None planned.**	
Source Information	Scale: **N/A**	
	Media: **EnSafe Services**	
	Hangar Drain Study	
Process Description:	**Contractor EnSafe Services used differential GPS, survey and field verification to create georeferenced AutoCAD files which were then converted to GIS as part of the MCAS New River Hangar Drain Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Goodman**	**SEA, 450-5441**

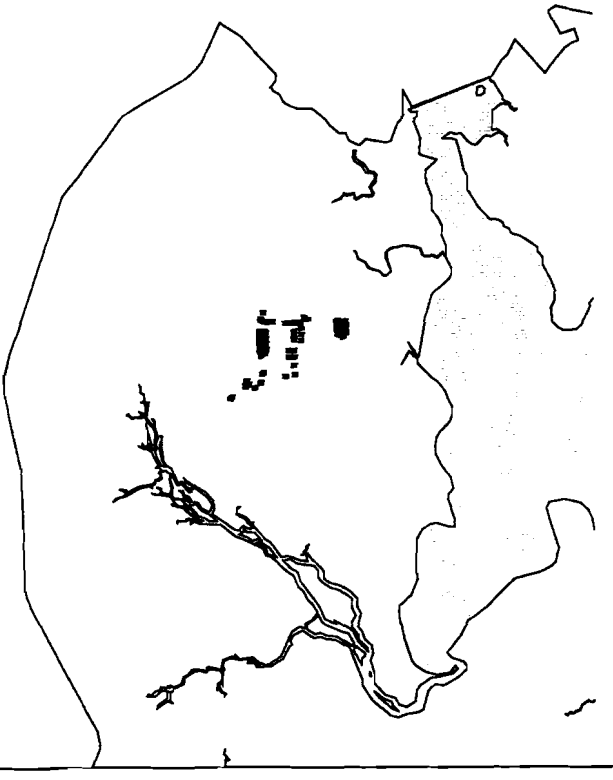
Utilities - Point Source

Description	**The accumulated set of points pertaining to the Hangar Drain Study at MCAS New River.**	
File Name	**utstopnt**	
Attribute Information	**Points are attributed by point number, ID, vertical elevation in meters, and XY coordinates.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**None planned.**
Source Information	Scale:	**N/A**
	Media:	**EnSafe Services**
		Hangar Drain Study
Process Description:	**Contractor EnSafe Services used differential GPS, survey and field verification to create georeferenced AutoCAD files which were then converted to GIS as part of the MCAS New River Hangar Drain Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Goodman**	**SEA, 450-5441**



Utilities - Storm Sewer Inlet

Description	**Location where water is collected and received into the utility system.**	
File Name	**utstoinl**	
Attribute Information	**Points are attributed by construction material, rim elevation, catch basin inlet elevation, width and length of catch grate, openings of the catch basin grate, upstream and downstream pipes, storm drainage zones, elevation and XY values.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**None planned.**
Source Information	Scale:	**N/A**
	Media:	**EnSafe Services**
		Hangar Drain Study
Process Description:	**Contractor EnSafe Services used differential GPS, survey and field verification to create georeferenced AutoCAD files which were then converted to GIS as part of the MCAS New River Hangar Drain Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Goodman**	**SEA, 450-5441**

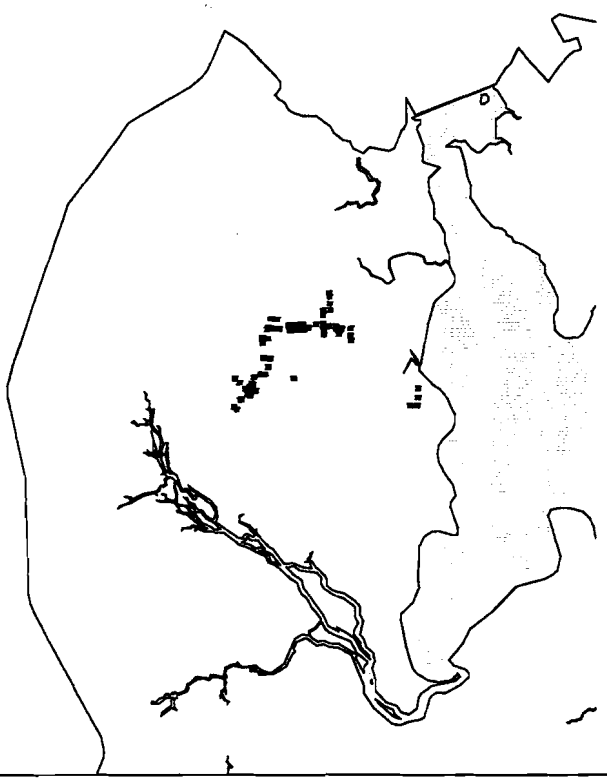


Utilities - Storm Sewer Line

Description	**A pipe used to carry a substance from location to location (main line, service line, vent line, etc.). These pipes were identified and located as part of the Hangar Drain Study at MCAS New River.**	
File Name	**utstopip**	
Attribute Information	**Lines are attributed by pipe id, material, use, length in feet/inches, slope of segment, number of pipes, structures upstream and downstream, pump or lift station, plant id, watershed, flow lines in/out, Manning coeff. and comments.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**None planned.**
Source Information	Scale:	**N/A**
	Media:	**EnSafe Services**
		Hangar Drain Study
Process Description:	**Contractor EnSafe Services used differential GPS, survey and field verification to create georeferenced AutoCAD files which were then converted to GIS as part of the MCAS New River Hangar Drain Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Goodman**	**SEA, 450-5441**

Utilities - Storm Sewer Manholes

Description	**A box or small vault located below grade with above grade access where pipes interesect. These manholes were identified and located as part of the Hangar Drain Study at MCAS New River.**	
File Name	**utstomh**	
Attribute Information	**Points are attributed by material, rim elevation, flow line elevatio in feet, lid type, width and length, depth to flow line, upstream and downstream pipes, origin, vertical measurement in meters, and XY coordinates.**	
Time Period of Content	**1997**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**None planned.**
Source Information	Scale:	**N/A**
	Media:	**EnSafe Services**
		Hangar Drain Study
Process Description:	**Contractor EnSafe Services used differential GPS, survey and field verification to create georeferenced AutoCAD files which were then converted to GIS as part of the MCAS New River Hangar Drain Study.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Goodman**	**SEA, 450-5441**



SECTION 4

SURROUNDING COUNTIES

DATA LAYERS

This section contains geographic information for the following counties:

Onslow County (including Camp Lejeune)
Craven (including MCAS, Cherry Point)
Carteret
Jones
Duplin
Pender

This data is accessible on-line by IGIR System Users

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Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

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Boundary - Boundaries (Counties)

Description	**Boundaries and shorelines of counties in the Camp Lejeune/Onslow County regional area.**	
File Name	**bdjurplb**	
Attribute Information	**Polygons are attributed by fips zone, county name, county number and county abbreviation.**	
Time Period of Content	**1984-1986**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:100,000**
	Media:	**NC CGIA**
		Digitized USGS Quadrangles
Process Description:	**CGIA digitized from hardcopy USGS 30x60 minute quadrangles.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Boundary - Boundaries (Municipalities)

Description	**Boundaries of municipalities in the regional area.**	
File Name	**bdjurmun**	
Attribute Information	**Polygons are attributed by name, 1993 population, county name, county abbreviation, acres and text name.**	
Time Period of Content	**1989**	
Status	Progress:	**Complete - Last Update: 11/30/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:100,000**
	Media:	**NC CGIA**
		Digitized USGS Quadrangles and NC DOT County Highway Maps
Process Description:	**Municipal limits from NC DOT County Highway maps were recompiled onto USGS overlays using the base maps and were digitized by CGIA.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Boundary - Boundaries (w/ Military Inst.)

Description	**Land and water under the juristiction and control of county and federal government.**	
File Name	**bdjurpln**	
Attribute Information	**Polygons are attributed by county name.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 9/30/94**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**Camber/Earthtech**
		Digitized USGS Quadrangles
Process Description:	**Contractor Camber/Earthtech digitized USGS quadrangles.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Boundary - Townships (Onslow County Only)

Description	**Township boundaries in Onslow County.**	
File Name	**bdjurdst**	
Attribute Information	**Polygons are attributed by township name.**	
Time Period of Content	**1995**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**None planned**
Source Information	Scale:	**1:4800**
	Media:	**Onslow County Digital Parcel Maps**
Process Description:	**The Onslow County Tax parcels were queried to retrieve the boundaries of the townships in 1995. The boundaries for Camp Lejeune were deleted and replaced with the more accurate base cadastre boundary layer, CDDODINS.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Buildings - Hospitals

Description	**Regional hospital locations.**	
File Name	**bggenhos**	
Attribute Information	**Polygons are attributed by hospital name.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 9/30/94**
	Maintenance and Update Frequency:	**Annually or as needed.**
Source Information	Scale:	**1:24,000**
	Media:	**Camber/Earthtech Digitized USGS Quadrangles**
Process Description:	**Contractor Camber/EarthTech digitized locations from USGS Quadrangles.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Environmental - Air Pollution Discharge Points

Description	**Location of air pollutions sources including: manufacturing facilities, power plants, food storage facilities, and heating plants as compiled by the NC DEHNR, Div. of Environmental management, Air Quality Section.**	
File Name	**chairpdp**	
Attribute Information	**Points are attributed by fips code, plant id, sic code, utm zone, utm coordinates and the plant name.**	
Time Period of Content	**1994**	
Status	Progress:	**In Progress - Last Update: 11/30/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**NC CGIA**
		Tabular data from interpolated USGS Quadrangles
Process Description:	**Data were Tabular data - Generated from coordinates from USGS Quadrangles**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. D. Abell**	**EMD, 451-5063**

Environmental - Hazardous Waste Facilities

Description	**Hazardous waste facilities.**	
File Name	**ehswmfac**	
Attribute Information	**Points are attributed by permit number and lat/long coordinates.**	
Time Period of Content	**1994**	
Status	Progress:	**Complete - Last Update: 11/30/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**NC CGIA**
		Coordinates interpolated from USGS Quadrangles
Process Description:	**Data were USGS Quadrangles - Generated from coordinates**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. S. Gwynn**	**EMD, 451-5837**

Environmental - NPDES Sites

Description	**National Pollution Discharge Elimination System (NPDES) discharge site.**	
File Name	**ehsitpde**	
Attribute Information	**Points are attributed by map number, facility, stream, permit number, pipe, county, date and subbasin.**	
Time Period of Content	**1994**	
Status	Progress:	**Complete - Last Update: 11/30/95**
	Maintenance and Update Frequency:	**Every 2-3 Years**
Source Information	Scale:	**1:24,000**
	Media:	**NC CGIA**
		Coordinates interpolated from USGS Quadrangles
Process Description:	**Data were USGS Quadrangles - Generated from coordinates**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. S. Gwynn**	**EMD, 451-5837**

Environmental - Solid Waste Facilities

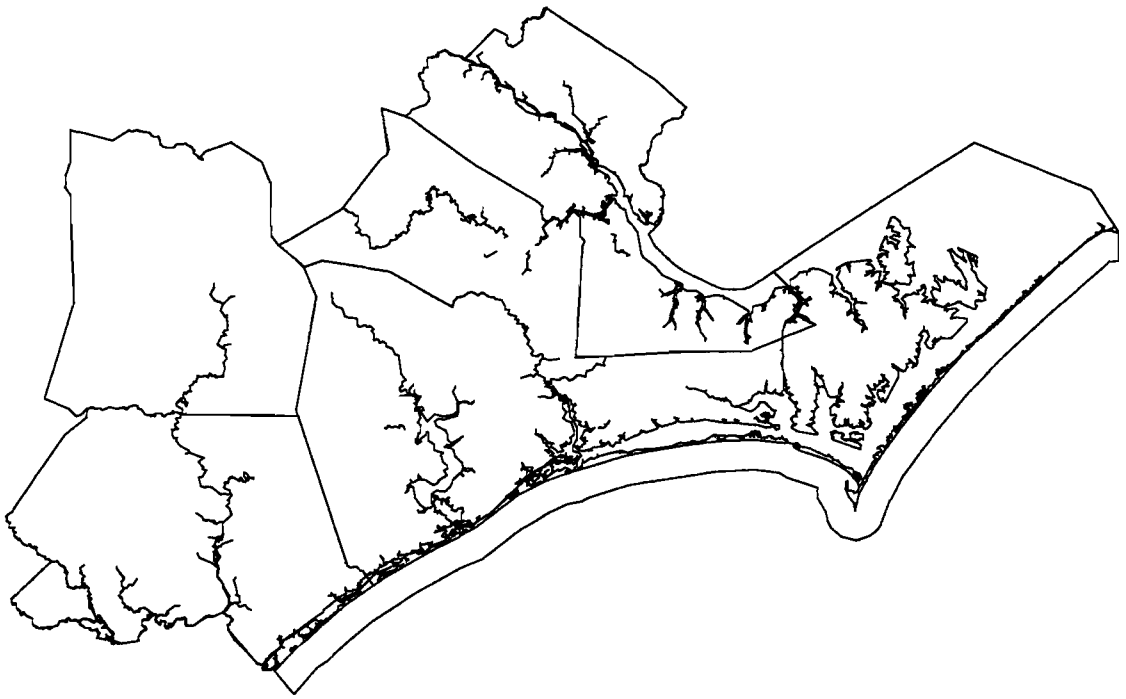
Description	**A facility or site, permitted by a regulatory authority, which is specifically designed and managed for the land disposal of solid waste.**	
File Name	**ehswmlfl**	
Attribute Information	**Points are attributed by permit number, utm coordinates, utm zone, location, town/county, facility name and quadrangle name.**	
Time Period of Content	**1996-1997**	
Status	Progress:	**Complete - Last Update: 3/07/97**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**NC CGIA**
		Digitized USGS Quadrangles
Process Description:	**Data were USGS Quadrangles - Digitized**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Riggs**	**EMD 451-5837**

Environmental - Superfund Sites

Description	**National Priorities List (Superfund) sites.**	
File Name	**ehsitsup**	
Attribute Information	**Points are attributed by nsd number, lat/long coordinates, utm coordinates and the company name.**	
Time Period of Content	**1982-1990**	
Status	Progress:	**Complete - Last Update: 11/30/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**NC CGIA**
		Tabular data/dBase file
Process Description:	**NC CGIA digitized from hardcopy and then joined to a dBase file.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. N. Paul**	**EMD, 451-5068**

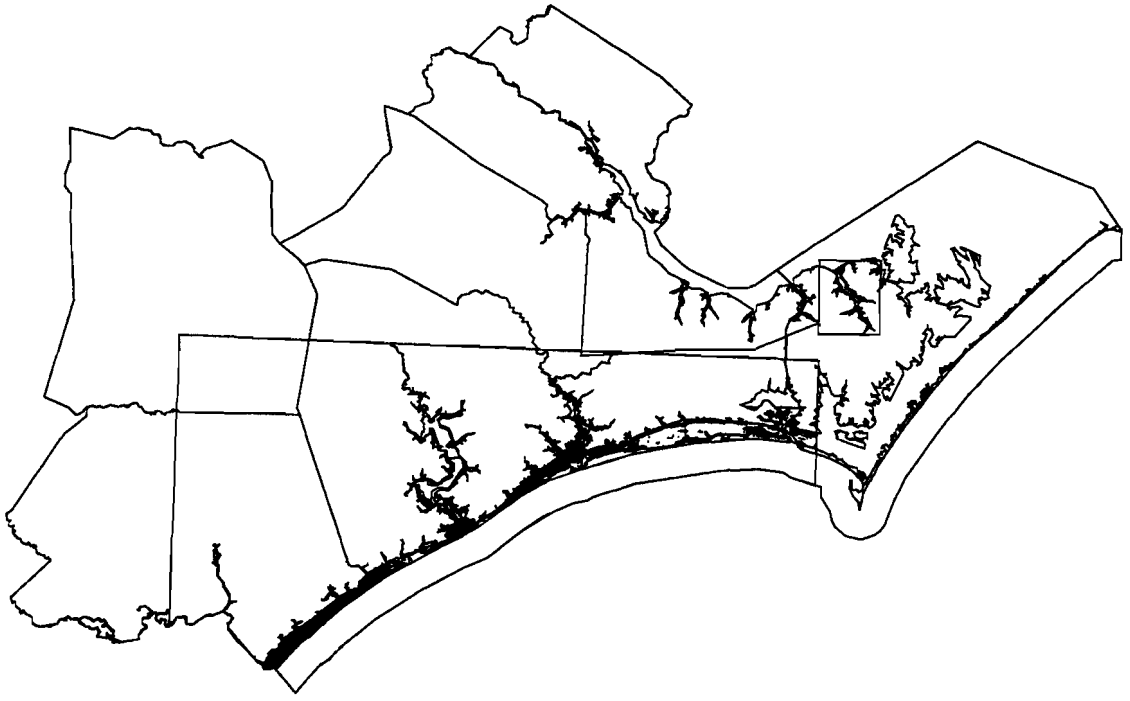
Fauna - Anadromous Fish Spawning Areas

Description	**Spawning areas of anadromous fish.**	
File Name	**fahabfsa**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1992**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:100,000**
	Media:	**NC CGIA,NC DENR,USGS Digital Line Graphs**
Process Description:	**NC CGIA delineated areas on Base maps and then coded them using USGS DLG files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. C. Lombardo**	**EMD, 451-2195**



Fauna - Shellfish Strata

Description	**Shellfish strata (Individual shellfish leases and/or gardens that are privately or State maintained).**	
File Name	**fahabsfs**	
Attribute Information	**Polygons are attributed by strata and acreage.**	
Time Period of Content	**1988-1994**	
Status	Progress:	**Complete**
	Maintenance and Update Frequency:	**None Planned**
Source Information	Scale:	**1:12,000**
	Media:	**NC CGIA**
		Digitized mylar overlays to USGS Quadrangles
Process Description:	**NC CGIA digitized hardcopies onto mylar overlays to USGS quadrangles.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. C. Lombardo**	**EMD, 451-2195**



Geodetic - Geodetic Control Points

Description	**A permanently monumented survey control point constructed with an original purpose of establishing spatial location in one or more dimensions from a known reference or datum.**	
File Name	**gdsrvmnt**	
Attribute Information	**Points are attributed by geodetic name, lat/long in meters and lat/long in feet.**	
Time Period of Content	**1800s-1995**	
Status	Progress:	**Complete - Last Update: 11/30/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**N/A**
	Media:	**NC CGIA,NCGS,NC DENR Survey and GPS measurements**
Process Description:	**NC CGIA created the coverage from surveyed points or GPS units. (First order positional accuracy, 1 part in 100,000, or second order positional accuracy, 1 part in 50,000, for the National network of horizontal control).**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Geology - Fault Lines

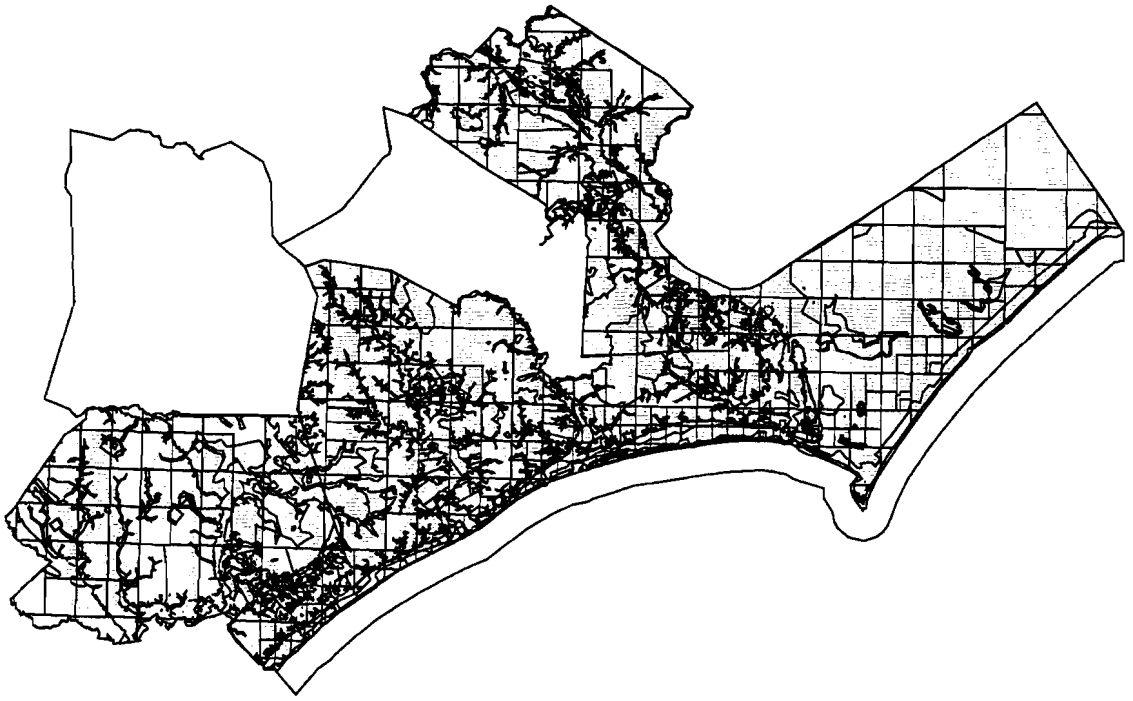
Description	**A line which represents a fracture in the surface of the earth that is often accompanied by a displacement of one side relative to the other.**	
File Name	**getecflt**	
Attribute Information	**System attributes only.**	
Time Period of Content	**1985**	
Status	Progress:	**Complete - Last Update: 11/30/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:250,000**
	Media:	**NC CGIA,NCGS,NC DENR**
		Base maps used to develop the 1985 NC Geologic Map
Process Description:	**Data were Base maps used to develop the 1985 NC Geologic Map - Digitized by NC CGIA.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Senus**	**EMD, 451-5068**

Geology - Surface Geology Area

Description	**An area on the earthxs surface of a particular geologic classification.**	
File Name	**gesurgeo**	
Attribute Information	**Polygons are attributed by the geologic classification.**	
Time Period of Content	**1985**	
Status	Progress:	**Complete - Last Update: 11/30/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:250,000**
	Media:	**NC CGIA,NCGS,NCDENR**
		Base maps used to develop the 1985 NC Geologic Map
Process Description:	**Data were Base maps used to develop the 1985 NC Geologic Map - Digitized by NC C**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. M. Senus**	**EMD, 451-5068**

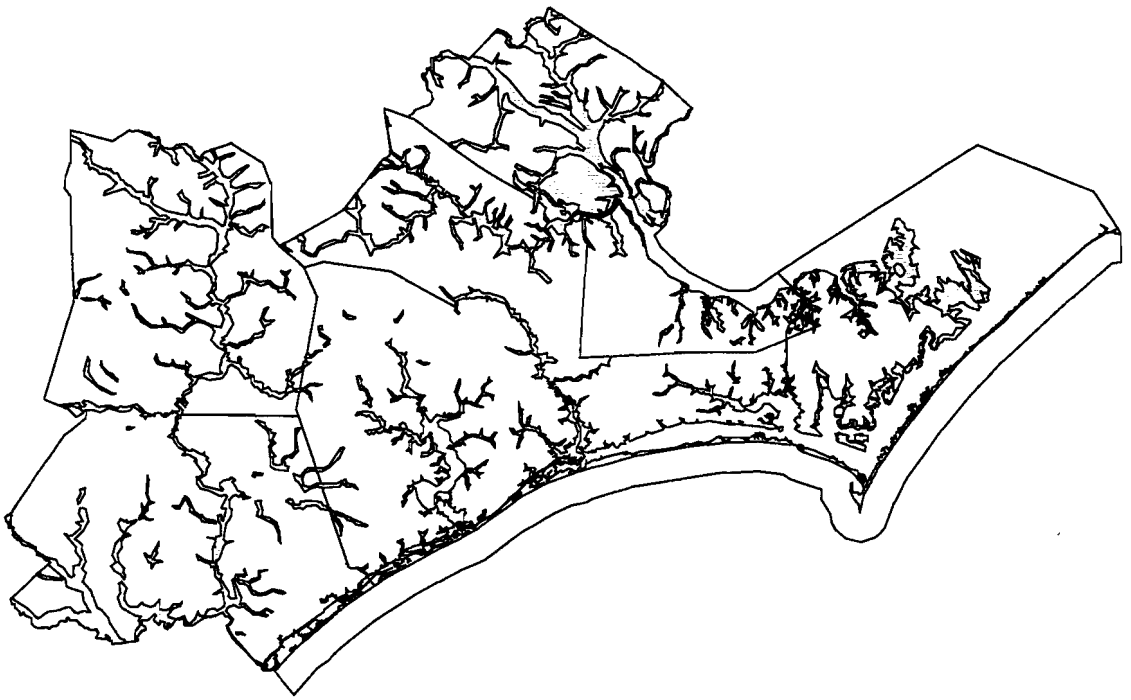
Hydrography - FEMA Flood Hazard Zones

Description	**The Q3 Flood Data are derived from the Flood Insurance Rate Maps (FIRMs) published by the Federal Emergency Management Agency (FEMA).**	
File Name	**hyflpfld**	
Attribute Information	**Polygons are attributed by fips, community code, firm panel, quad, zone, floodway, cobra, sfha, symbol and panel type.**	
Time Period of Content	**1998**	
Status	Progress: **In Progress - Last Update: 11/11/98**	
	Maintenance and Update Frequency: **Infrequent**	
Source Information	Scale: **1:24,000**	
	Media: **FEMA**	
	Digitized or scanned hardcopy maps	
Process Description:	**Q3 Flood Data were produced by either scanning and vectorizing or manually digitizing a hardcopy version of the graphic materials. The scanning and vectorization process captured the digital data as raster data that were vectorized and attributed on an interactive editing station. The manual digitizing process used a digitizing table to capture the digital data; attribution was performed with digitized or post-process edit function.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**



Hydrography - Groundwater Recharge/Discharge

Description	**Areas where groundwater continually feeds into streams during dry periods; predominately marshes and high aquifers.**	
File Name	**hysubrda**	
Attribute Information	**Polygons are attributed by elevation.**	
Time Period of Content	**1986**	
Status	Progress:	**Complete - Last Update: 12/30/86**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:100,000**
	Media:	**NC CGIA**
		Digitized USGS Quadrangles and DEM stream classification schedule maps
Process Description:	**NC CGIA digitized and vertically integrated groundwater recharge/discharge areas with 1:100000 scale hydrography data layer from USGS DLG files. A DEM stream classification schedule was added from 1:24000 scale maps.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**



Hydrography - HQ Resource Water Zones

Description	**High quality and outstanding resource water zones.**	
File Name	**hysurrwz**	
Attribute Information	**Polygons are attributed by zone classification.**	
Time Period of Content	**1995**	
Status	Progress:	**Complete - Last Update: 11/30/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:100,000**
	Media:	**NC CGIA, USGS Digitized USGS Quadrangles and Digital Line Graphs**
Process Description:	**NC CGIA digitized hardcopies onto USGS quadrangles and USGS DLG files.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Hydrography - Hurricane Inundation (1987)

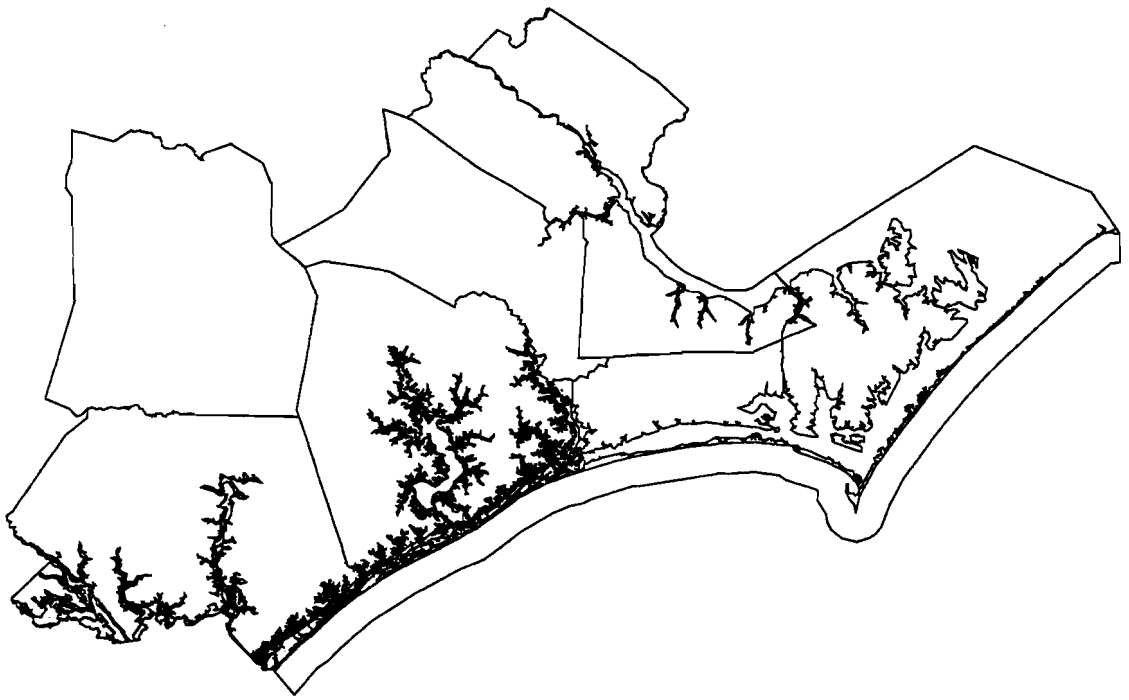
Description	**Extent of hurricane storm surge inundation areas based on the Eastern North Carolina Hurricane Evaluation Study (1987).**	
File Name	**hysurhss**	
Attribute Information	**Polygons are attributed by surge classification.**	
Time Period of Content	**1987**	
Status	Progress:	**Complete - Last Update 11/30/95**
	Maintenance and Update Frequency:	**None Planned**
Source Information	Scale:	**1:126,720**
	Media:	**NC CGIA**
		Eastern North Carolina Hurricane Evacuation Study, 1987
Process Description:	**NC CGIA recompiled maps at a scale of 1:126,720 to a scale of 1:100,000 for use as overlays onto USGS 1:100,000 scale hydrographic feature maps and then digitized.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Hydrography - Hurricane Inundation 1993-Fast

Description	**Extent of hurricane storm surge inundation areas based on Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computer modeling program analysis, 1993. Fast velocity model pertains to hurricanes with velocities > 15 MPH.**	
File Name	**hysurssf**	
Attribute Information	**Polygons are attributed by surge classification.**	
Time Period of Content	**1993**	
Status	Progress:	**Complete - Last Update 11/30/95**
	Maintenance and Update Frequency:	**None Planned**
Source Information	Scale:	**1:24,000**
	Media:	**NC CGIA, USGS**
		SLOSH model grid plots
Process Description:	**NC CGIA digitized hardcopy maps produced by the SLOSH model overlayed onto USGS quadrangles.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

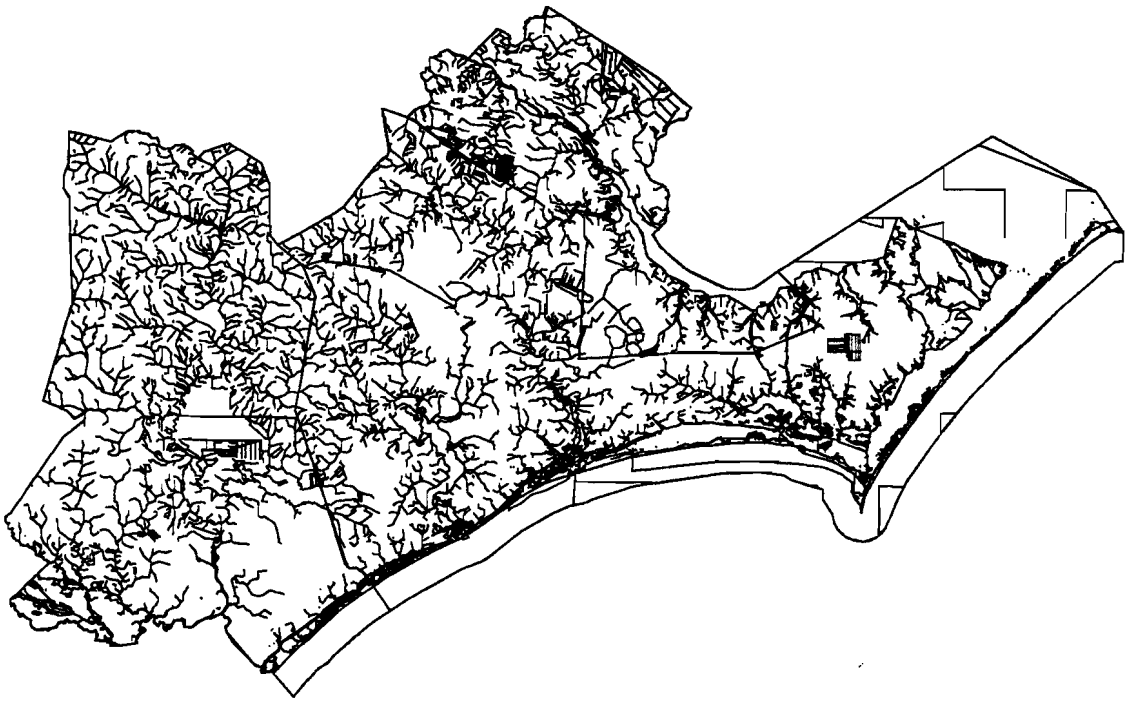
Hydrography - Hurricane Inundation 1993-Slow

Description	**Extent of hurricane storm surge inundation areas based on Sea, Lake, and Overland Surges from Hurricanes (SLOSH) computer modeling program analysis, 1993. Slow velocity model pertains to hurricanes with velocities of 15 MPH or less.**	
File Name	**hysursss**	
Attribute Information	**Polygons are attributed by surge classification.**	
Time Period of Content	**1993**	
Status	Progress:	**Complete- Last Update: 11/30/95**
	Maintenance and Update Frequency:	**None Planned**
Source Information	Scale:	**1:24,000**
	Media:	**NC CGIA, USGS SLOSH model grid plots**
Process Description:	**NC CGIA digitized hardcopy maps produced by the SLOSH model overlayed onto USGS quadrangles.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**



Hydrography - Hydrologic Network

Description	**Hydrologic network.**	
File Name	**hysurnet**	
Attribute Information	**Polygons are attributed by feature name and cfcc code.**	
Time Period of Content	**1982**	
Status	Progress:	**Complete - Last Update: 9/30/94**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**Camber/Earthtech**
		Digitized USGS Quadrangles
Process Description:	**Data were USGS Quadrangles - Digitized by Camber/Earthtech**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**



Hydrography - Shoreline Buffer

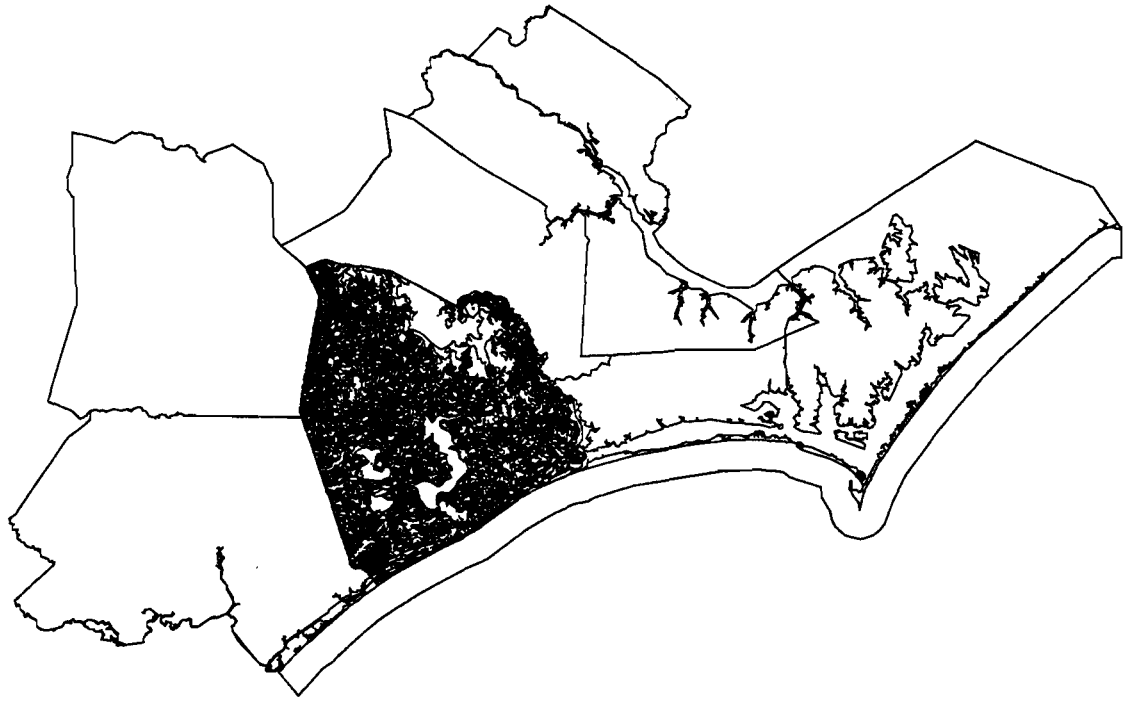
Description	**An area of land extending from the shoreline or from the landward boundary of any adjacent tidal wetland where development is regulated.**	
File Name	**hycznbfc**	
Attribute Information	**Polygons are attributed by fips zone, county name, county number and the feature type represented.**	
Time Period of Content	**1984-1986**	
Status	Progress:	**Complete - Last Update 11/30/95**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:100,000**
	Media:	**NC CGIA, USGS, GISO**
		Digitized USGS Quadrangles.
Process Description:	**Polygons from the county boundaries layer (BDJURPLB) were selected to create this layer by GIS Office personnel.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**

Land Status - Land Cover

Description	**Areas of similar land cover. This delineation is used to describe the appearance of the land, not how it is being used.**	
File Name	**lscndlcv**	
Attribute Information	**Polygons are attributed by land use code and county code.**	
Time Period of Content	**1987-1989**	
Status	Progress:	**Complete - Last Update: 12/15/89**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**N/A**
	Media:	**NC CGIA**
		Landsat Thematic Mapper (TM) images
Process Description:	**Supervise classified LandSat Thematic Mapper (TM) images.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. P. Black**	**EMD, 451-2195**

Soil - Soil Unit (Onslow County Only)

Description	**An area with similar soil characteristics. The size of the units used for an installation differs based upon the smallest area of land that is managed for a particular land use.**	
File Name	**sogenunt**	
Attribute Information	**Polygons are attributed by soil type code and literal identifier.**	
Time Period of Content	**1979-1982**	
Status	Progress: **Complete**	
	Maintenance and Update Frequency: **Infrequent**	
Source Information	Scale: **1:24,000**	
	Media: **USDA, Natural Resources Conservation Service Soil Survey of Onslow County**	
Process Description:	**Data were U.S. Soil Conservation Service soil survey maps - digitized and compiled onto a planimetric correct base and revised by remotely sensed data and other information.**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Mr. J. Townson**	**EMD, 451-2148**



Transportation - Airfield Surface

Description	**The surface areas that aircraft utilize. These include runways, taxiways, and parking ramps.**	
File Name	**trairsur**	
Attribute Information	**Polygons are attributed by name.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 9/30/94**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**Camber/Earthtech**
		Digitized USGS Quadrangles
Process Description:	**Data were USGS Quadrangles - Digitized by Camber/Earthtech**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. P. Briley**	**TEO, 451-5326**

Transportation - Railroad Centerline

Description	**The center of a railway as measured from the outside edge of the rails. The centerline will be comprised of segments that represent rail portions with similar characteristics such as the number of tracks or the segment between two switches.**	
File Name	**trrrdrcl**	
Attribute Information	**Arcs are attributed by cfcc code and RR Line name.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 9/30/94**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**Camber/Earthtech**
		Digitized USGS Quadrangles
Process Description:	**Data were USGS Quadrangles - Digitized by Camber/Earthtech**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

Transportation - Road Centerline

Description	**The center of the roadway as measured from the edge of the paved surface. The segments of a road centerline will coincide with the road segments in order to have similar characteristics.**	
File Name	**trvehrcl**	
Attribute Information	**Arcs are attributed by cfcc code, name and type of road.**	
Time Period of Content	**1952-1981**	
Status	Progress:	**Complete - Last Update: 9/30/94**
	Maintenance and Update Frequency:	**Infrequent**
Source Information	Scale:	**1:24,000**
	Media:	**Camber/Earthtech**
		Digitized USGS Quadrangles
Process Description:	**Data were USGS Quadrangles - Digitized by Camber/Earthtech**	
Spatial Reference System	Coordinate:	**UTM GRS1980 Spheroid**
	Horizontal Datum:	**NAD 1983**
Point of Contact	**Ms. F. Railey**	**EMD, 451-5876**

SECTION 5

CAMP LEJEUNE

DIGITAL ORTHO PHOTOGRAPHY

This data is accessible on-line by IGIR System Users

NOTICE

Although every effort has been made to ensure the accuracy of information, errors and conditions originating from physical sources used to develop the database may be reflected in the data supplied. The requester must be aware of data conditions and ultimately bear responsibility for the appropriate use of the information with respect to possible errors, original map scale, collection methodology, currency of data, and other conditions specific to certain data.

Several of the data sets listed are routinely updated and/or sensitive in nature. Special instructions are noted in the description of those layers.

The GIS Office does not support the use of redistributed data sets.

The use of trade names or commercial products does not constitute their endorsement by the Geographic Information Systems Office or Marine Corps Base, Camp Lejeune.

Address all comments, changes, or requests for additional IGIR data layers to:

Commanding General
Attn: AC/S-EMD, (Manager, GIS Office)
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

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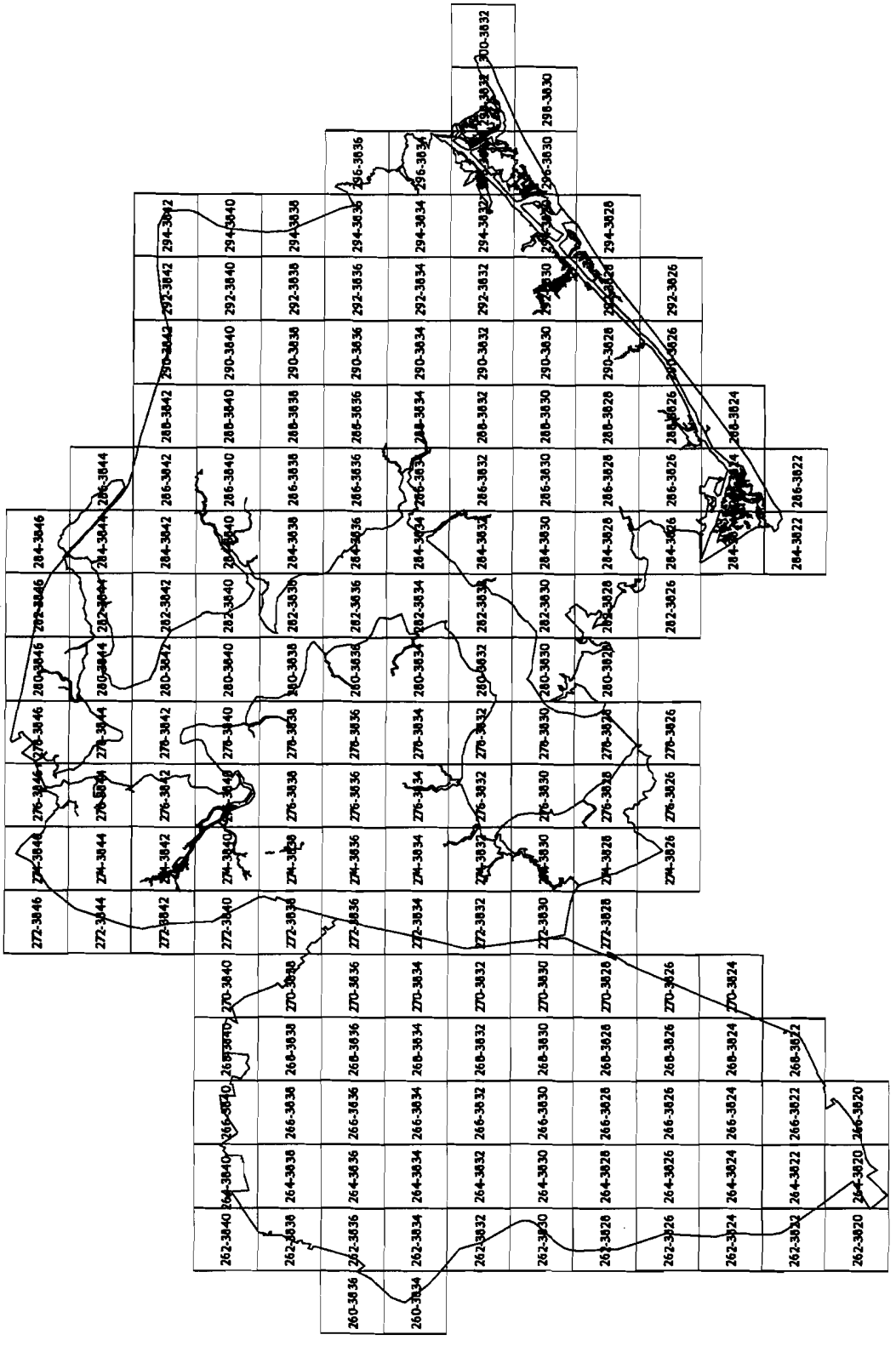
Digital Ortho Photography

Description	**Color infrared digital ortho photography was flown in March, 1996 at an altitude of 6000 feet. The flight lines were oriented in a North-South direction and provided total coverage for Camp Lejeune.**
File Name	**base_photos.sid**
Compression	**Images were compressed and combined into one file for better access and handling using MrSid routines. MrSid (Multi-Resolution Seamless Image Database) was used on the .3 meter resolution tiles.**
Time Period of Content	**March, 1996**
Source Information	Scale: **1:4800** Resolution: **0.3 meters per pixel** Horizontal Accuracy: **+/- 2 feet**
Spatial Reference System	Coordinate: **UTM GRS1980 Spheroid** Horizontal Datum: **NAD 1983**
Point of Contact	**Ms. F. Railey** **EMD, 451-5876**

FLIGHT LINE GRID INDEX SHOWN ON FOLLOWING PAGE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SECTION 6

CAMP LEJEUNE

DATA WAREHOUSE

This section contains dBase database files which are linked to spatial layers. No spatial layers are stored here.

This data is accessible on-line by IGIR System Users

NOTICE

Although every effort has been made to ensure the accuracy of information, errors and conditions originating from physical sources used to develop the database may be reflected in the data supplied. The requester must be aware of data conditions and ultimately bear responsibility for the appropriate use of the information with respect to possible errors, original map scale, collection methodology, currency of data, and other conditions specific to certain data.

Several of the data sets listed are routinely updated and/or sensitive in nature. Special instructions are noted in the description of those layers.

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Address all comments, changes, or requests for additional IGIR data layers to:

Commanding General
Attn: AC/S-EMD, (Manager, GIS Office)
Marine Corps Base
PSC Box 20004
Camp Lejeune, NC 28542-0004

Data Warehouse Development

The Data Warehouse has been developed to bring together many independent databases which serve various business functions aboard Marine Corps Base, Camp Lejeune. These independent databases are managed by many departments, written in different programming styles and languages, and stored on varying computer platforms. Each database meets its most immediate business requirements, but may not support cross-functional use of the data. For example, environmental data may prove useful to the Fire Department, or Public Works building data may need to be accessible by the Environmental Management Department. Given that a basewide, enterprise Database Management System does not currently exist, the data warehouse can store summary tables extracted from these various, independent databases in a common format accessible by the Geographic Information System (GIS) applications defined by the Integrated Geographic Information Repository (IGIR) initiative, and by GIS applications custom built within each business unit at Marine Corps Base, Camp Lejeune.

Data Warehouse Content

Table Name	Description	Organization	Point of Contact	Last Update
ODS_LAYR.DBF	Ozone Depleting Substance Point Source	EMD	Ms. P. Evans, 451-5063	11/98
AIR_LAYR.DBF	Air Quality Discharge Point	EMD	Ms. P. Evans, 451-5063	11/98
CTL_LAYR.DBF	Air Quality Pollution Control Devices	EMD	Ms. P. Evans, 451-5063	11/98
STK_LAYR.DBF	Air Quality Pollution Stack	EMD	Ms. P. Evans, 451-5063	11/98
A_R_UST.DBF	Active Regulated Underground Storage Tank	EMD	Ms. P. Evans, 451-5063	11/98
IUST_LAYR.DBF	Inactive Underground Storage Tank	EMD	Ms. P. Evans, 451-5063	11/98
AUST_LAYR.DBF	All Underground Storage Tank	EMD	Ms. P. Evans, 451-5063	11/98
AST_DBASE.DBF	Aboveground Storage Tank	EMD	Ms. P. Evans, 451-5063	11/98
PCB_LAYR.DBF	Polychlorinated Biphenyls (PCB) Sites	EMD	Ms. P. Evans, 451-5063	11/98
PCBC.DBF	Contaminated PCB Sites	EMD	Ms. P. Evans, 451-5063	11/98
RIVER.DBF	Surface Water Quality Sampling	EMD	Ms. P. Evans, 451-5063	11/98
NPDES.DBF	Wastewater Treatment Facilities Analysis	EMD	Ms. P. Evans, 451-5063	11/98
SDWA.DBF	Drinking Water Analysis	EMD	Ms. P. Evans, 451-5063	11/98
SPECIAL.DBF	Special Drinking Water Analysis	EMD	Ms. P. Evans, 451-5063	11/98
FACCAT.DBF	Facilities Information from NFADB	FAC	Mr. F. Estes, 451-1833	5/98
DESSTDY.DBF	Public Works Design Branch Study Projects	FAC	Ms. F. Estes, 451-1833	4/98
ALLROICC.DBF	Public Works Construction Projects	FAC	Ms. F. Estes, 451-1833	11/98
DESINFO.DBF	Public Works Design Contracts	FAC	Ms. F. Estes, 451-1833	11/98
IGIRREQ.DBF	Range Schedules/Use	TEO	GYSGT McKenzie, 451-3065	1/99
FIRERESP.DBF	Fire Response	ISS	Ms. K. Johnson, 451-7100	5/98

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