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**SANGIS DATA WAREHOUSING  
INTRANET & INTERNET GEODATABASE  
DATA MODEL DOCUMENT**

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## 1. INTRODUCTION

SanGIS facilitates geographic datasets and products contributed by the SanGIS's member agencies: the City of San Diego and the County of San Diego. SanGIS also provides regional landbase maintenance and provides GIS product services the member agencies and the public. The end products of these joint efforts are managed and accessible GIS data, as hosted in two basic environments – SanGIS Intranet and SanGIS Internet.

The SanGIS Intranet, or shared environment enables member agencies to connect to the SanGIS network via private T1 broadband lines. Their users have direct access to the full range of shared geographic datasets (eg. feature classes, raster datasets and associated attribute tables) through ArcGIS desktop and Oracle database client connections. Member users also have the option of downloading landbase maintenance and other GIS data through the SanGIS FTP Internet site.

The SanGIS Internet environment offers a refined set of SanGIS geographic data that are also available to the public through a simple and free registration. The data are in shapefile format and can be used in a wide range of GIS applications. "Data Downloads" are located under "GIS Data" at [www.sangis.org](http://www.sangis.org) (or [www.sangis.com](http://www.sangis.com)). In addition, the SanGIS website hosts a SanGIS-developed interactive mapping service under "Interactive Mapping".

### 1.1. Purpose

This documentation describes the characteristics of the data models operated in the SanGIS Intranet and Internet environments.

### 1.2. Approach

The template of this documentation was specified and provided by the County of San Diego and the City of San Diego, using a Northrop Grumman format

## 2. SANGIS INTRANET (SHARED) GEODATABASE MODEL OVERVIEW

The table shows the current SanGIS intranet geodatabase contributing agencies and their respective departments. These are also the agencies that have dedicated T1 broadband connections to SanGIS's intranet, featuring read access to the 450+ GIS datasets.

| Agency                   | Department                           |
|--------------------------|--------------------------------------|
| <b>City</b>              | CED                                  |
|                          | City Planning & Community Investment |
|                          | Council                              |
|                          | DSD                                  |
|                          | ECP                                  |
|                          | Environmental services (ESD)         |
|                          | Field Engineering                    |
|                          | Fire Department                      |
|                          | Fire Rescue                          |
|                          | FMBMS                                |
|                          | General Services                     |
|                          | IT&C                                 |
|                          | MWWD                                 |
|                          | Neighborhood Code Comp               |
|                          | Park & Rec                           |
|                          | Planning                             |
|                          | Real Estate Assets                   |
|                          | SDPD                                 |
|                          | Special Events                       |
|                          | T&DD engineer                        |
| TED                      |                                      |
| Traff Eng and CIP        |                                      |
| Water                    |                                      |
| <b>County</b>            | Agriculture, Weights & Measures      |
|                          | Air Pollution Control District       |
|                          | Assessor                             |
|                          | City/ County Reinvestment Task Force |
|                          | DA's Office                          |
|                          | DEH                                  |
|                          | Disaster Preparedness                |
|                          | District Attorney                    |
|                          | DPLU                                 |
|                          | DPW                                  |
|                          | EMS                                  |
|                          | EOC                                  |
|                          | Gen Services                         |
|                          | HCD                                  |
|                          | Health and Human Services            |
|                          | Housing & Cmty Dev                   |
|                          | LAFCO                                |
|                          | Local Agency Formation Commission    |
|                          | Parks & Rec                          |
|                          | Probation                            |
| ROV                      |                                      |
| Sheriff                  |                                      |
| UC Cooperative Extension |                                      |
| Watershed Management     |                                      |
| <b>SANDAG</b>            | SANDAG                               |
| <b>SDDPC</b>             | San Diego Data Processing Corp       |
| <b>SanGIS</b>            | SanGIS                               |

## 2.1 Data Repository

The mission of the SanGIS data warehouse is to provide member agencies a central location to access and share GIS data. The data warehouse is simple to use and easy to understand. Driven by this goal, SanGIS employs an Intranet geodatabase data model which is an uncomplicated data repository housing geographic and business data that are user-friendly for both the occasional and the frequent GIS user.

There are 450 feature classes (GIS datasets) and 5 raster datasets in the SanGIS intranet geodatabase. All feature classes are simple layers.

Each feature class contains a complete set of business-related information with attribute data joined and embedded within the feature class. Though the joining/embedding processes results in data redundancy, it provides feature classes with more business sense. It also allows users an efficient way to select, retrieve, visualize, analyze and disseminate information, eliminating or reducing time otherwise needed on collecting and organizing data.

The following table shows an example of the final feature classes resulting from the joining/embedding processes for several different datasets.

| Member                | Feature Class  | Base Feature Class                | Attribute Data  | Update Frequency | Notes   |
|-----------------------|--|-----------------------------------|---|------------------|---------|
| County Assessor       | Parcel_Appraisal_Record  | Parcels_All                       | Assessor_PAR  | Weekly           |         |
| City<br>CIP Cityworks | CIP_ACCESSIMP<br>CIP_BIKEWAY<br>CIP_BRIDGENEW<br>CIP_BRIDGEREHAB<br>CIP_CITYFACILITY<br>CIP_COMMFACILITY<br>CIP_ENVIRONMENT<br>CIP_FIBER<br>CIP_FIRE<br>CIP_FLASHER<br>CIP_GUARDRAIL<br>CIP_INTERCEPTOR<br>CIP_JOINTUSE<br>CIP_LIBRARY<br>CIP_LIFEGUARD<br>CIP_OVERLAY<br>CIP_PARK<br>CIP_PARKWAY<br>CIP_PMFUTURE<br>CIP_PMOVRLAY<br>CIP_PMSLURRY<br>CIP_POLICE<br>CIP_RECENTER<br>CIP_RECLAIMWATER<br>CIP_RESTROOM<br>CIP_SEWER<br>CIP_SIDEWALK<br>CIP_SLOPE<br>CIP_SLURRY<br>CIP_SPECIAL<br>CIP_STORMDRAIN<br>CIP_STREETLIGHT<br>CIP_STREETNEW<br>CIP_SWIM<br>CIP_SWPUMP<br>CIP_TELECOM<br>CIP_TOTLOT<br>CIP_TRAFFICSIGCON<br>CIP_TRAFFICSIGMOD<br>CIP_TRAFFICSIGNAL<br>CIP_TRAILS<br>CIP_UNDERGROUND<br>CIP_VIDEOSURV<br>CIP_WATER2 | CIP_LINE<br>CIP_POINT<br>CIP_POLY | CIP_ALL<br>CIP_DEPT<br>CIP_LOCATION_EXTENTS<br>CIP_PHASE  | Monthly          | Notes 1 |
| City<br>SHARQ         | S_MAIN_ASSESSMENT2<br>S_MAIN_DEFECT_SCORE2<br>S_MAIN_HYDRAULIC<br>S_MAIN_INSPECTED2<br>S_MAIN_INSP_SCHEDULE2<br>S_MAIN_PM<br>S_MAINHOLE_INSPECTED2   | S_MAIN<br>S_MAINHOLE              | S_MAIN_ASSESSMENT_T<br>S_MAIN_DEFECT_SCORE_T<br>S_MAIN_HYDRAULIC_T<br>S_MAIN_INSP_SCHEDULE_T<br>S_MAIN_INSPECTED_T<br>S_MAIN_PM_T<br>S_MAINHOLE_INSPECTED_T | Weekly           |         |
| Landbase Maintenance  | LOTS   | LOT                               | ADDRESSPOINT<br>ROADNAME  | Weekly           |         |
|                       | PARCELS_ALL<br><br>Notes: Stack parcels  | PARCEL                            | ASSESSOR_MPR<br>ASSESSOR_PAR<br>ASSESSOR_SUBNAME<br>ADDRESSPOINT<br>ROADNAME  | Weekly           | Notes 2 |
|                       | PARCEL<br><br>Notess: Non-stack parcels<br>Base features class and attribute data are<br>Joined by a relationship class.   | PARCEL                            | ASSESSOR_MPR<br>ASSESSOR_PAR<br>ASSESSOR_SUBNAME<br>ADDRESSPOINT<br>ROADNAME  | Weekly           |         |
|                       | ROADS_ALL  | ROAD                              | ROADNAME<br>ROAD_GEOMETRY   | Weekly           |         |
|                       | SUBDIVISION  | SUBDIVISION                       | SUBDIV_ATR  | Weekly           |         |

In the example in the next table, the feature class for “CITY\_BIKEWAY” were constructed by joining feature class City\_Line with the attribute tables “City\_Type”, “CIP\_Dept”, and “CIP\_Phase”.

| Feature Class Presented in Data Warehouse   | Base Feature Class & Associated Attribute Data  |  |  |                               |
|---|---|--|--|-------------------------------|
| CIP_Bikeway   | Cip_Line  | CIP_Type   | CIP_Dept                                       | CIP_Phase                     |
| OBJECTID<br>CIP_ID<br>CIP_NUM<br>TITLE<br>DESC_TEXT<br>TYPE_CD<br>TYPE<br>SENGR<br>SENGR_PH<br>COST_EST<br>DEPT<br>DIVISION<br>START_DSGN<br>END_DSGN<br>START_CNST<br>END_CNST<br>COMMENTS<br>CNCL_NAME<br>CNCL_NUM<br>SITE_MAP<br>PHASE_CD<br>PHASE<br>CNCL_DIST<br>COMP_AREA<br>CIP_STAT<br>SHAPE<br>PAVING<br>EXT_CONTACT<br>EXT_PHONE<br>PCOMMENTS<br>COST | OBJECTID<br>CIP_ID<br>CIP_NUM<br>TITLE<br>DESC_TEXT<br>SENGR<br>SENGR_PH<br>COST_EST<br>DEPT_CDE<br>START_DSGN<br>END_DSGN<br>START_CNST<br>END_CNST<br>COMMENTS<br>CNCL_NAME<br>CNCL_NUM<br>SITE_MAP<br>PHASE<br>CNCL_DIST<br>CIP_STAT<br>CIP_TYPE<br>COMP_AREA<br>PAVING<br>EXT_CONTACT<br>EXT_PHONE<br>PCOMMENTS<br>COST<br><b>SHAPE</b> | OBJECTID<br>TYPE_CD<br>TYPE<br>LAYER_NAME<br>LAYERID | OBJECTID<br>DEPT_CD<br>DEPT<br>DIVISION :<br>: | OBJECTID<br>PHASE_CD<br>PHASE |

The table below shows an example of how the feature class “PARCELS\_ALL” was constructed by joining feature class “Parcel” in SanGIS landbase maintenance feature class joined with attribute tables “Assessor MPR”, “Assessor PAR”, “Assessor Submap”, “Roadname”, and “Address”.

| Feature Class Presented in Data Warehouse  | Base Feature Class & Associated Attribute Data   |  |   |                   |   |  |
|--|--|--|---|-------------------|---|--|
| Parcels_All  | Parcel   | Assessor MPR   | Assessor PAR  | Assessor Submap   | Roadname  | Address  |
| OBJECTID<br>APN<br>APN_8<br>PARCELID<br>OWN_NAME1<br>OWN_NAME2<br>OWN_NAME3<br>FRACTINT<br>OWN_ADDR1<br>OWN_ADDR2<br>OWN_ADDR3<br>OWN_ADDR4<br>OWN_ZIP<br>SITUS_JURIS<br>SITUS_STREET<br>SITUS_SUFFIX<br>SITUS_POST_DIR<br>SITUS_PRE_DIR<br>SITUS_ADDRESS<br>SITUS_FRACTION<br>SITUS_BUILDING<br>SITUS_SUITE<br>SITUS_COMMUNITY<br>LEGLDESC<br>ASR_LAND<br>ASR_IMPR<br>ASR_TOTAL<br>DOCTYPE<br>DOCNMBR<br>DOCDATE<br>ACREAGE<br>TAXSTAT<br>OWNROCC<br>TRANUM<br>ASR_ZONE<br>ASR_LANDUSE<br>UNITQTY<br>SUBMAP<br>SUBNAME<br>ADDRNO<br>ADDRFRAC<br>ADDRUNIT<br>ROADPDIR<br>ROADNAME<br>ROADSFX<br>ZIP<br>APNID<br>YEAR_EFFECTIVE<br>TOTAL_LVG_AREA<br>BEDROOMS<br>BATHS<br>ADDITION_AREA<br>GARAGE_CONVERSION<br>GARAGE_STALLS<br>CARPORT_STALLS<br>POOL<br>PAR_VIEW<br>USABLE_SQ_FEET<br>X_COORD<br>Y_COORD<br>MULTI<br>OVERLAY_JURIS<br>SUB_TYPE<br>SHP_ID | OBJECTID<br>PARCELID<br>SHAPE<br>POSTID<br>POSTDATE<br>PENDING<br>MULTI<br>X_COORD<br>Y_COORD<br>SUB_TYPE<br>OVERLAY_JURIS<br>ADDID<br>ADDDATE | APN<br>PARCELID<br>TESTFLAG<br>NAME1<br>NAME2<br>NAME3<br>FRACTINT<br>ADDR1<br>ADDR2<br>ADDR3<br>ADDR4<br>ZIPCODE<br>JURIS<br>SITENAME<br>SITESFX<br>SITESDIR<br>SITEPDIR<br>SITENMBR<br>SITEFRCT<br>SITEBLDG<br>SITESUTT<br>SITECOMM<br>LEGLDESC<br>ASESLAND<br>ASESIMPR<br>DOCTYPE<br>DOCNMBR<br>DOCDATE<br>ACREAGE<br>TAXSTAT<br>OWNROCC<br>TRANUM<br>ASSESS_ZONE<br>ASSESS_LANDUSE<br>SUBMAP<br>UNITQTY<br>RUISNMBR<br>RUISFRAC<br>RUISUNIT<br>RUISPDIR<br>RUISNAME<br>RUISSFY<br>RUISJUR<br>RUISZIP | APN<br>YEAR_EFFECTIVE<br>TOTAL_LVG_AREA<br>BEDROOMS<br>BATHS<br>ADDITION_AREA<br>GARAGE_CONVERSION<br>GARAGE_STALLS<br>CARPORT_STALLS<br>POOL<br>PAR_VIEW<br>USABLE_SQ_FEET<br>:<br>:<br>:<br>: | MAPNUM<br>SUBNAME | ROAD_ID<br>POST_OPERATOR_ID<br>POST_DATE<br>FULL_NAME<br>ROAD20_PREDIR_IND<br>ROAD20_NM<br>ROAD20_SUFFIX_NM<br>ROAD30_PREDIR_IND<br>ROAD30_NM<br>ROAD30_SUFFIX_NM<br>ROAD30_POSTDIR_IND<br>WORK_ORDER_NUM<br>RESERVE_JUR_CD<br>MULTIPLE_JUR_IND<br>RESERVE_TOMBRO_NUM<br>RESERVE_TENTMAP<br>RESERVE_BY_NM<br>OBJECTID | APN<br>ADDRPNID<br>PARCELID<br>APNID<br>LOTID<br>ROADSEGID<br>SUBDIVID<br>ADDRNO<br>ADDRFRAC<br>ADDRUNIT<br>TYPE<br>PLACENAM<br>POSTID<br>POSTDATE<br>X_COORD<br>Y_COORD<br>SUB_TYPE<br>JURISDIC<br>ROADPDIR<br>ROADNAME<br>ROADSFX<br>ZIP<br>ROADID |

## 2.2 Data Storage

SanGIS data warehouse Intranet geodatabase is accessed through ESRI's ArcGIS server gateway and managed in Oracle DBMS. Both software are operated on a Sun Solaris Unix server which has 4 CPUs.

There are approximately 100 GB of feature class data and 150 GB raster datasets data in the SanGIS intranet geodatabase. These data are stored on a NAS storage device that has a 1 gigabit network card to the Sun Solaris server.

## 2.3 Data Access

During peak business hours (between 10:00 AM and 3:00 PM) there are over 200 City, County, SDDPC, and SANDAG ArcGIS Desktop users, plus additional ArcIMS services, that are simultaneously accessing SanGIS's Intranet geodatabase.

All feature classes and raster datasets in the SanGIS Intranet geodatabase are available to all registered users, unless a member agency department has requested that access to their contributed data be restricted to personnel only within their own department.

Examples of secured data are City Water/Reclaim Water data and Assessors Property Appraisal Record data. Some copyright data, such as orthophotography, are available to paid member agency staff only.

SanGIS Intranet geodatabase data are read only. All users are granted "select" privilege to all non-sensitive data and non-copyright data. Oracle's Role method is implemented to safeguard data security and manage users' access privileges.

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## 2.4 Data Concurrency

All data in the SanGIS Intranet geodatabase are non-transactional and represent a snapshot of a certain time period. It is up to member agencies to determine when the snapshot should be.

Member agencies transmit new data for their feature classes via email attachment, uploading to the SanGIS FTP server, or submitting them on CD/DVD.

After reviewing and validating the submitted data with their source departments, SanGIS staff adds or updates the feature classes in the geodatabase. Member agencies do not upload data directly into SanGIS Intranet geodatabase.

## 2.5 Data Update Frequency

SanGIS landbase maintenance feature classes are refreshed weekly in the SanGIS Intranet geodatabase. Member agency departments decide the update frequency for the feature classes they own.

Please refer to the “Intranet Geodatabase Layer List” in Appendix A for each layer’s update frequency.

## 2.6 Data Dictionary

SanGIS metadata is rich with information that describes the content, quality, condition, origin, and other characteristics of feature classes. See Appendix C provides a sample of SanGIS metadata.

### **3. SANGIS INTERNET (PUBLIC) GEODATABASE MODEL OVERVIEW**

The SanGIS Intranet geodatabase is the source for SanGIS's Internet (public) feature classes.

#### **3.1 Data Repository**

A subset of selected, non-sensitive feature classes are exported from SanGIS Intranet geodatabase to SanGIS Internet geodatabase on a monthly basis, or quarterly if data is unchanged. There are over 100 feature classes. (Please see Appendix B for a listing.)

There are also three groups of ArcIMS services utilizing SanGIS Internet geodatabase data. Two are built by SDDPC for the City of San Diego. The third is the "Interactive Mapping" section of SanGIS's website, [www.sangis.org](http://www.sangis.org) (or [www.sangis.com](http://www.sangis.com)).

#### **3.2 Data Storage**

SanGIS's Internet geodatabase is operated using ESRI's ArcGIS server gateway and managed using Oracle DBMS. Both software run on a Microsoft Windows 2000 server which has 1 CPU and 1.25 MB RAM. There are over 100 feature classes taking up approximately 10 GB disk space on the Windows server.

#### **3.3 Data Access**

SanGIS Internet geodatabase data are read only. All users are granted "select" privilege to all non-sensitive data and non-copyright data. SanGIS adopts Oracle's role method to safeguard data security and control users' access privileges.

#### **3.4 Data Currency**

All feature classes in the SanGIS Internet geodatabase are imported from SanGIS Intranet geodatabase.

#### **3.5 Data Update Frequency**

SanGIS Internet feature classes are updated on a monthly basis, or quarterly if data is unchanged.

#### **2.7 Data Dictionary**

SanGIS Internet metadata is rich with information that describes the content, quality, condition, origin, and other characteristics of feature classes. Please see Appendix C for a sample of SanGIS metadata.

## **4. FINAL SECTION**

### **4.1. DEFINITIONS, ACRONYMS, AND ABBREVIATIONS**

#### **Feature Class**

A collection of point, line and polygons. It is interchangeable with the term “layer”.

#### **Geodatabase**

A collection of feature class, raster dataset and attribute data held in the SanGIS Oracle database.

#### **Landbase Maintenance**

SanGIS maintained Landbase feature classes – Roads Network (Addresses, Roads and Intersections) and Land Records (Open Space Easements, Lots and Parcels) .

### **4.2. REFERENCES AND RELATED DOCUMENTS**

SanGIS Business Definition Document  
SanGIS Business Process Reengineering Scope of Work  
SanGIS Detailed Process Requirements and Data Specifications  
SanGIS Information Technology Architecture & Requirements Document  
SanGIS Intranet & Internet Data Model Document  
SanGIS Policies & Procedures Document, February 2007  
SanGIS Staff Profiles & Responsibilities  
SanGIS Software Design Document

### **4.3. ACKNOWLEDGEMENTS**

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## APPENDICES

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## Appendix A – Intranet GeoDatabase Layer List

| SanGIS Spatial Data Warehouse  |   |   |                  |                             |                                    |                   |
|--|---|---|------------------|-----------------------------|------------------------------------|-------------------|
| How to use this list:  |   |   |                  |                             |                                    |                   |
| This list of data in the SanGIS geodatabase is for internal use by the County, City, SDCPC, SANDAG and SanGIS. |   |   |                  |                             |                                    |                   |
| Please do not provide this list to external agencies or the public. Refer them to SanGIS for data information. |   |   |                  |                             |                                    |                   |
| A public access list will be provided to the public and will be available via the SanGIS web site.             |   |   |                  |                             |                                    |                   |
| Category   | The grouping assigned to the data for ease in locating it in the database   |   |                  |                             |                                    |                   |
| Name   | This is the name of the layer in the sanGIS Oracle/SDE database   |   |                  |                             |                                    |                   |
| Description  | A brief description of the data   |   |                  |                             |                                    |                   |
| Access   | Indicates who provides data access to the public<br>SanGIS = refer public to SanGIS for distribution<br>SANDAG = refer public to SANDAG for distribution<br>County = refer public to County GIS Manager for distribution<br>City = refer public to City GIS Manager for distribution<br>ARJIS = refer public to ARJIS/SANDAG for distribution<br>Port Dist = refer public to San Diego Port District for distribution<br>State = refer public to state web site for distribution<br><b>Internal = no distribution, internal use only. Refer public to SanGIS.</b><br><b>Licensed = no public access through SanGIS/City/County. Refer public to vendor.</b> |   |                  |                             |                                    |                   |
| Derived  | Data used to create the data layer (if applicable)  |   |                  |                             |                                    |                   |
| Responsible  | Department that provides updates to SanGIS  |   |                  |                             |                                    |                   |
| Update   | The frequency that the data is updated<br>On Demand=it is updated at the request of the department  |   |                  |                             |                                    |                   |
| Additions  | If you have departmental data that you wish to publish for City/County or departmental use, contact SanGIS.   |   |                  |                             |                                    |                   |
| Notes  | W/water layers are full layers for department use. WTR layers are a subset for general internal use<br>RW/reclaimed water layers are full layers for department use. RWTR layers are a subset for general internal use  |   |                  |                             |                                    |                   |
| Errors   | Please report any errors in this list to Peg Odden at SanGIS.<br>You may also use the SanGIS online forum to report problems or ask data questions.<br><a href="http://sanweb.sangis.org/forum">http://sanweb.sangis.org/forum</a>  |   |                  |                             |                                    |                   |
| Questions:   | SanGIS 858-874-7000<br>Email: info@sangis.org   |   |                  |                             |                                    |                   |
| SanGIS Data Warehouse  |   |   |                  |                             |                                    |                   |
| Category   | SanGIS Oracle/SDE Name  | Description   | Access           | Derived                     | Responsible Department/Agency      | 10/17/2006 Update |
| Logo (raster)  | LOGO AIRPHOTO_COPYRIGHT   | AirPhoto USA Logo with copyright                              | Licensed         |                             | SanGIS                             | n/a               |
|  | LOGO EAGLE_AERIAL_LOGO  | Eagle Aerial logo to be used with Eagle imagery plots         | Licensed         |                             | SanGIS                             | n/a               |
|  | LOGO SANGIS   | SanGIS Logo no motto  | Internal         |                             | SanGIS                             | n/a               |
|  | LOGO SANGIS_MOTTO   | SanGIS Logo with motto  | Internal         |                             | SanGIS                             | n/a               |
|  | LOGO SEAL_CITY  | City Seal   | Internal         |                             | SanGIS                             | n/a               |
| Raster   | LOGO SEAL_COUNTY  | County Seal   | Internal         |                             | SanGIS                             | n/a               |
|  | RASTER GREEN_DATA_SD  | City of San Diego Green Data                                  | SanGIS           |                             | City IT&C                          | unknown           |
|  | RASTER HILLSHADE  | County Hillshade  | SanGIS           |                             | SanGIS                             | n/a               |
|  | RASTER ORTHO_COUNTYWIDE_COLOR_2003  | Countywide 2" true color AirPhoto imagery from 2003           | Licensed         |                             | SanGIS                             | n/a               |
|  | RASTER ORTHO_COUNTYWIDE_COLOR_2008  | Countywide 1 1/2" true color Eagle imagery flown 1/10/08-2/08 | Licensed         |                             | SanGIS                             | annually          |
| Address  | RASTER SOLAR_INSOLATION_SD  | City of San Diego Solar Insolation                            | SanGIS           |                             | City IT&C                          | unknown           |
|  | ADDRAPN   | Address points  | SanGIS           |                             | SanGIS                             | weekly            |
| Agriculture  | AG_COMMODITY_06   | <b>Agricultural Growing Boundaries</b>                        | <b>SanGIS</b>    | <b>AWM</b>                  |                                    | annually          |
|  | AG_PRESERVE   | Agricultural Contract Areas (Williamson Act)                  | <b>DPLU</b>      | <b>DPLU</b>                 |                                    | unknown           |
| Airport  | AG_PRESERVE_CONTRACTS   | Agricultural Preserves  | <b>DPLU</b>      | <b>DPLU</b>                 |                                    | unknown           |
|  | AIR_INFLUENCE   | Airport influence area (Lindbergh)                            | <b>Port Dist</b> | <b>Port District</b>        |                                    | unknown           |
| Anno   | AIR_NOISE_CONTOURS  | Airport noise contours (6 airports)                           | <b>SANDAG</b>    | <b>SANDAG</b>               |                                    | unknown           |
|  | AIR_RUNWAYS   | Airport runway polygons                                       | <b>SANDAG</b>    | <b>SANDAG</b>               |                                    | unknown           |
| Business   | ANNO_ADDRESS  | Address annotation  | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_APN  | APN annotation  | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_BLOCKNUM   | Road Block Number annotation                                  | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_BLOCKRANGE   | Road Block Range annotation                                   | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_FREEFORM   | Freeform annotation   | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_LANDMARK   | Landmark annotation   | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_LOTNUM   | Lot Number annotation   | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_MAPNUM   | Map Number annotation   | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_ONERWAY  | One-way Direction annotation                                  | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_ROADNAME   | Road Name annotation  | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_SUBNAME  | Subdivision Map annotation                                    | Internal         |                             | SanGIS                             | weekly            |
|  | ANNO_TENTMAP  | Tentative Map annotation                                      | Internal         |                             | SanGIS                             | weekly            |
|  | ASR_BOOK  | Assessor Books  | SanGIS           |                             | SanGIS                             | annually          |
|  | BUS_CONSTRUCTION_DEMO_RECYCLE   | City Construction Demolition Recycling                        | SanGIS           |                             | City Economic Development          | unknown           |
|  | BUS_ENTERPRISE_ZONES  | City Enterprise Zones   | SanGIS           |                             | City Economic Development          | unknown           |
| BUS_FOREIGN_TRADE_ZONES  | City Foreign Trade Zones  | SanGIS  |                  | City Economic Development   | unknown                            |                   |
| BUS_IMPROVEMENT_DISTRICTS  | City Business Improvement Districts (BID)   | SanGIS  |                  | City Economic Development   | unknown                            |                   |
| BUS_METRO_REVLON   | City Metro Revolving Loan Fund area   | SanGIS  |                  | City Economic Development   | unknown                            |                   |
| BUS_PRRPTY_BASED_IMPRVMENT_DIST  | City Property Based Improvement Districts   | SanGIS  |                  | City Economic Development   | unknown                            |                   |
| BUS_RECYCLING_MARKET_DEV_ZONES   | City Recycling Market Development Zones   | SanGIS  |                  | City Environmental Services | unknown                            |                   |
| BUS_RENEWAL_COMMUNITY  | City Renewal Community  | SanGIS  |                  | City Economic Development   | unknown                            |                   |
| BUS_SD_REVLON  | City San Diego Regional Revolving Loan Fund area  | SanGIS  |                  | City Economic Development   | unknown                            |                   |
| BUS_SITES  | Countywide Business Sites   | SanGIS  |                  | County Assessor/SanGIS      | unknown                            |                   |
| BUS_TARGETED_EMPLOYMENT_AREAS  | City Targeted Employment Areas  | SanGIS  |                  | City Economic Development   | unknown                            |                   |
| Census   | CALL_BOX  | Call Boxes  | SanGIS           |                             | DPW                                | unknown           |
|  | CENSUS_BLOCKGROUP_INCOME_EDU  | Census Income & Education Demographics by Block Group         | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_BLOCKS   | Census Blocks (2000) with summary demographics                | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_JUR_INCOME_EDU   | Census Income & Education Demographics by Jurisdiction        | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_POP_POP_HOUSING  | Census Population & Housing Demographics by Jurisdiction      | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_MGRF   | Census Master Geographic Reference File (SANDAG)              | <b>SANDAG</b>    |                             | SanGIS/SANDAG                      | on demand         |
|  | CENSUS_MSA_INCOME_EDU   | Census Income & Education Demographics by Major Stat Area     | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_MSA_POP_HOUSING  | Census Population & Housing Demographics by Major Stat Area   | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_SRA_INCOME_EDU   | Census Income & Education Demographics by Subreg Area         | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_SRA_POP_HOUSING  | Census Population & Housing Demographics by Subreg Area       | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_TRACT  | Census Tracts (2000) with summary demographics                | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_TRACT_INCOME_EDU   | Census Income & Education Demographics by Tract               | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_TRACT_POP_HOUSING  | Census Population & Housing Demographics by Tract             | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_ZIP_INCOME_EDU   | Census Income & Education Demographics by Zip                 | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
|  | CENSUS_ZIP_POP_HOUSING  | Census Population & Housing Demographics by Zip               | SanGIS           |                             | SanGIS/SANDAG                      | decade            |
| CIP  | CIP_ACCESSIMP   | City CIP Accessibility Improvements                           | SanGIS           |                             | City ECP Traffic Engineering       | monthly           |
|  | CIP_BIKEWAY   | City CIP Bikeways   | SanGIS           |                             | City ECP Traffic Engineering       | monthly           |
|  | CIP_BRIDGE  | City CIP New and Replacement Bridges                          | SanGIS           |                             | City ECP Traffic Engineering       | monthly           |
|  | CIP_BRIDGE  | City CIP Bridge Rehabilitations                               | SanGIS           |                             | City ECP Traffic Engineering       | monthly           |
|  | CIP_CITYFACILITY  | City CIP Other City Facilities                                | SanGIS           |                             | City ECP Architectural Engineering | monthly           |
|  | CIP_COMMFACILITY  | City CIP Community Facilities                                 | SanGIS           |                             | City ECP Architectural Engineering | monthly           |



## Appendix A – Intranet GeoDatabase Layer List (continued)

| Category    | SanGIS Oracle/SDE Name              | SanGIS Data Warehouse Description                       | Access   | Derived   | Responsible Department/Agency      | 10/17/2006 Update |
|-------------|-------------------------------------|---|----------|-----------|------------------------------------|-------------------|
|             | CIP ENVIRONMENT                     | City CIP Environmental Mitigation and Monitoring        | SanGIS   |           | City ECP (multiple divisions)      | monthly           |
|             | CIP FIBER                           | City CIP Fiberotics                                     | SanGIS   |           |                                    | monthly           |
|             | CIP FIRE                            | City CIP Fire Facilities                                | SanGIS   |           | City ECP Architectural Engineering | monthly           |
|             | CIP FLASHER                         | City CIP Flashing Beacons and Traffic Control           | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP GUARDRAIL                       | City CIP Guardrails and Miscellaneous Bridgework        | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP INTERCEPTOR                     | City CIP Interceptors and Water Quality                 | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP JOINTUSE                        | City CIP Joint Use Facilities                           | SanGIS   |           | City Parks & Recreation            | monthly           |
|             | CIP LIBRARY                         | City CIP Libraries                                      | SanGIS   |           | City ECP Architectural Engineering | monthly           |
|             | CIP LIFEGUARD                       | City CIP Lifeguard Facilities                           | SanGIS   |           | City ECP Architectural Engineering | monthly           |
|             | CIP METRO                           | City CIP MWWO Projects                                  | SanGIS   |           | City MWWO/Water                    | monthly           |
|             | CIP OVERLAY                         | City CIP Overlay (Hot mix asphalt over pavement)        | SanGIS   |           | City Streets Division              | monthly           |
|             | CIP PARK                            | City CIP Park Facilities                                | SanGIS   |           | City Parks & Recreation            | monthly           |
|             | CIP PARKWAY                         | City CIP Parkway Enhancements and Medians               | SanGIS   |           | City ECP Traffic Engineering & CEO | monthly           |
|             | CIP PMFUTURE                        | City CIP Future Paving Moratorium                       | SanGIS   |           |                                    | monthly           |
|             | CIP PMOVLAY                         | City CIP Overlay Paving Moratorium                      | SanGIS   |           |                                    | monthly           |
|             | CIP PMSLURRY                        | City CIP Slurry Paving Moratorium                       | SanGIS   |           |                                    | monthly           |
|             | CIP POLICE                          | City CIP Police Facilities                              | SanGIS   |           | City ECP Architectural Engineering | monthly           |
|             | CIP RECENTER                        | City CIP Recreation Centers/Community Center Facilities | SanGIS   |           | City Parks & Recreation            | monthly           |
|             | CIP RECLAIMWATER                    | City CIP Reclaimed Water                                | SanGIS   |           |                                    | monthly           |
|             | CIP RESTROOM                        | City CIP Restrooms/Comfort Stabons                      | SanGIS   |           | City Parks & Recreation            | monthly           |
|             | CIP RWATER                          | City CIP Reclaimed Water                                | SanGIS   |           |                                    | monthly           |
|             | CIP SEWER                           | City CIP Sewer  | SanGIS   |           | City ECP Water/Sewer Design        | monthly           |
|             | CIP SIDEWALK                        | City CIP Sidewalks                                      | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP SLOPE                           | City CIP Slope and Bluff Stabilization/Restoration      | SanGIS   |           | City ECP Traf Eng & Parks & Rec    | monthly           |
|             | CIP SLURRY                          | City CIP Slurry Seal                                    | SanGIS   |           | City Streets Division              | monthly           |
|             | CIP SPECIAL                         | City CIP Special Projects                               | SanGIS   |           | City ECP (multiple divisions)      | monthly           |
|             | CIP STORMDRAIN                      | City CIP Storm Drains and Flood Control                 | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP STREETLIGHT                     | City CIP Street Lighting                                | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP STREETNEW                       | City CIP New Streets and Widening                       | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP SWM                             | City CIP Swemmo Facilities                              | SanGIS   |           | City Parks & Recreation            | monthly           |
|             | CIP SWPUMP                          | City CIP Stormwater Pump Stations                       | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP TELECCOM                        | City CIP Telecommunication Facilities                   | SanGIS   |           |                                    | monthly           |
|             | CIP TOTLOT                          | City CIP Play Area/Tot Lot Facilities                   | SanGIS   |           | City Parks & Recreation            | monthly           |
|             | CIP TRAFFICSIGN                     | City CIP Traffic Signal Interconnect                    | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP TRAFFICSIGMOD                   | City CIP Traffic Signal Modifications                   | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP TRAFFICSIGNAL                   | City CIP Traffic Signals                                | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP TRAILS                          | City CIP Hiking and Equestrian Trails                   | SanGIS   |           | City ECP Traffic Engineering       | monthly           |
|             | CIP UNDERGROUND                     | City CIP Undergrounding of Overhead Utilities           | SanGIS   |           |                                    | monthly           |
|             | CIP VIDEOCIBURY                     | City CIP Video Surveillance                             | SanGIS   |           |                                    | monthly           |
|             | CIP WATER                           | City Water CIP Projects                                 | SanGIS   |           | City Water                         | monthly           |
|             | CIP WATER2                          | City CIP Water Projects                                 | SanGIS   |           | City ECP Water/Sewer Design        | monthly           |
|             | CIP WSD                             | City CIP Waste Water & Sewer Design Projects            | SanGIS   |           | City ECP Water/Sewer Design        | monthly           |
| Community   | CMTY BIKE PLAN_SD                   | City of San Diego Bicycle Master Plan                   | SanGIS   | Roads     | City Planning                      | unknown           |
|             | CMTY_BLOCK_DEV_GRANTS_SD            | City of San Diego Block Development Grant Areas         | SanGIS   | Tracts    | City Economic Development          | unknown           |
|             | CMTY_GENERAL_PLAN_CN                | County General Plan                                     | SanGIS   |           | County DPLU                        | unknown           |
|             | CMTY_GENERAL_PLAN_DRAFT_CN          | County General Plan 2020 Draft                          | SanGIS   |           | County DPLU                        | on demand         |
|             | CMTY_GENERAL_PLAN_TRAILS_CN         | County General Plan Trails                              | SanGIS   |           | County DPLU                        | on demand         |
|             | CMTY_NEIGHBORHOODS_SD               | City Neighborhoods                                      | SanGIS   | Beats     | SDPD                               | on demand         |
|             | CMTY_P                              | Community Points  | SanGIS   |           | County DPW                         | unknown           |
|             | CMTY_PLAN_CN                        | County Community Plans & Sponsor Groups                 | SanGIS   |           | County DPLU                        | on demand         |
|             | CMTY_PLAN_SD                        | City Community Plans                                    | SanGIS   |           | City Planning                      | on demand         |
|             | CMTY_SERVICECTR_SD                  | City Community Service Centers                          | SanGIS   |           |                                    | on demand         |
|             | COASTLINE_SD                        | SANDAG Coastline  | SANDAG   |           | SANDAG                             | unknown           |
|             | CONTROL_MON                         | Control Monuments                                       | SanGIS   |           | DPW                                | quarterly         |
| Cultural    | CULTURE_AREAS_TB                    | Thomas Brothers Cultural Feature Polygons               | Licensed |           | TBM                                | annually          |
|             | CULTURE_POINTS_TB                   | Thomas Brothers Cultural Feature Points                 | Licensed |           | TBM                                | annually          |
| District    | DIST ASSEMBLY                       | CA State Assembly Districts (2000)                      | SanGIS   | Precincts | SanGIS + ROV                       | decade            |
|             | DIST_COMMUNITY_COLLEGE              | Community College Districts                             | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_COMMUNITY_SERVICE              | Community Service Districts                             | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_CONGRESS                       | US Congressional Districts (2000)                       | SanGIS   | Precincts | SanGIS + ROV                       | decade            |
|             | DIST_COUNCIL                        | City Council Districts (2000)                           | SanGIS   |           | City Planning                      | decade            |
|             | DIST_COUNTY_SERVICE_AREA            | County Service Areas                                    | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_ELEMENTARY_SCHOOL              | Elementary School Districts                             | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_FIRE_PROTECTION                | Fire Protection Districts                               | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_HHSA_REGIONS                   | County Health & Human Services Regions                  | SanGIS   |           | County HHSA                        | on demand         |
|             | DIST_HIGH_SCHOOL                    | High School Districts                                   | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_HISTORIC_SD                    | City of San Diego Historical Districts                  | SanGIS   |           | City Planning                      | unknown           |
|             | DIST_HOSPITAL                       | Hospital Districts                                      | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_JUDICIAL                       | Judicial Districts                                      | SanGIS   | Precincts | SanGIS + ROV                       | decade            |
|             | DIST_LIBRARY_SERVICE_AREAS          | County Library Service Areas                            | SanGIS   |           | County DPW                         | unknown           |
|             | DIST_MAINT_ASSESSMENT_SD            | City Maintenance Assessment Districts                   | SanGIS   |           | City Facilities/Finanong           | on demand         |
|             | DIST_PARKING_SD                     | City Parking Districts                                  | SanGIS   |           |                                    | unknown           |
|             | DIST_PRECINCT                       | Voter Home Precincts                                    | SanGIS   |           | ROV                                | annually          |
|             | DIST_PRECINCT_CONSOLIDATED          | Consolidated Voters Precincts created for each election | SanGIS   | Precincts | ROV                                | annually          |
|             | DIST_REDEVELOPMENT                  | Redevelopment Districts                                 | SanGIS   | TRA       | Assessor + SanGIS                  | annually          |
|             | DIST_SANITATION                     | Sanitation Districts                                    | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_SENATE                         | CA State Senate Districts (2000)                        | SanGIS   | Precincts | SanGIS + ROV                       | decade            |
|             | DIST_SPECIAL_SD                     | City of San Diego Special Districts                     | SanGIS   |           |                                    | unknown           |
|             | DIST_SUPERVISOR                     | County Supervisor Districts (2000)                      | SanGIS   | Precincts | SanGIS + ROV                       | decade            |
|             | DIST_UNIFIED_SCHOOL                 | Unified School Districts                                | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_WATER                          | Combined Water Districts                                | SanGIS   | TRA       | Assessor                           | annually          |
|             | DIST_WATER_CWA                      | County Water Authority District                         | SanGIS   | TRA       | Assessor                           | annually          |
| Storm Drain | DRAIN_CHANNEL                       | City Storm Drain Channels                               | SanGIS   |           | City Transportation                | on demand         |
|             | DRAIN_PIPE                          | City Storm Drain Pipes                                  | SanGIS   |           | City Transportation                | on demand         |
|             | DRAIN_STRUCTURE                     | City Storm Drain Structures                             | SanGIS   |           | City Transportation                | on demand         |
| Ecology     | ECO BIOLOGICAL_OBS_POINTS           | Biological Species Observation Points                   | SanGIS   |           | County DPLU                        | unknown           |
|             | ECO_BIRD_OBSERVATIONS               | SDNHM Bird Observations                                 | SDNHM    |           | County DPLU                        | unknown           |
|             | ECO_CANYONS                         | City Canyons  | SanGIS   |           | City                               | unknown           |
|             | ECO_CLIMATE                         | SANDAG Climate Zones                                    | SANDAG   |           | SANDAG                             | unknown           |
|             | ECO_ENVIRONMENTALLY_SENSITIVE_AREAS | Environmentally Sensitive Areas (ESA)                   | SanGIS   |           | County DPLU                        | unknown           |
|             | ECO_HABITAT_CONSERV_PLAN_AREAS      | Habitat Conservation Planning Areas                     | SANDAG   |           | SANDAG                             | unknown           |
|             | ECO_HABITAT_EVALUATION_MODEL        | Habitat Evaluation Model                                | SanGIS   |           | County DPLU                        | unknown           |
|             | ECO_HABITAT_PRESERVE_AREAS          | Regional Preserves (PAMA, MHPA, other Jurs)             | SANDAG   |           | SANDAG                             | unknown           |
|             | ECO_MHPA_SD                         | City Multiple Habitat Planning Areas                    | SanGIS   |           | City MSCP                          | unknown           |
|             | ECO_MSCP_CN                         | County Multiple Species Conservation Program Areas      | SanGIS   |           | County DPLU                        | unknown           |
|             | ECO_MSCP_CN_NORTH_DRAFT             | North County Subarea Draft                              | SanGIS   |           | County DPLU                        | unknown           |
|             | ECO_MSCP_HABITRAK                   | Regional MSCP Habitrak Data (loss & gain)               | State    |           | State                              | unknown           |
|             | ECO_MSCP_SUBAREA_SEGMENTS           | MSCP Subarea and Segments                               | SANDAG   |           | SANDAG                             | unknown           |
|             | ECO_NATURAL_DIVERSITY_AREAS         | California Natural Diversity Data polygons              | Licensed |           | State of California                | annually          |
|             | ECO_NATURAL_DIVERSITY_PTS           | California Natural Diversity Data points                | Licensed |           | State of California                | annually          |
|             | ECO_SENSITIVE_SIGHTING_AREAS        | Sensitive Species Sightings (Areas)                     | SanGIS   |           | City MSCP                          | unknown           |
|             | ECO_SENSITIVE_SIGHTING_PTS_SD       | City Sensitive Species Sightings (Points)               | SanGIS   |           | City                               | unknown           |
|             | ECO_SUBREGIONS                      | Ecology Subregions                                      | SanGIS   |           | County DPLU                        | unknown           |
|             | ECO_VEGETATION                      | Regional Vegetation                                     | SanGIS   |           | County DPLU                        | quarterly         |
|             | ECO_VERNAL_POOLS                    | SANDAG Vernal Pools                                     | SANDAG   |           | SANDAG                             | unknown           |
|             | ECO_WATER_QUALITY_SENSITIVE_AREA    | City Water Quality Sensitive Areas                      | SanGIS   | ESA       | City Storm Water Section           | unknown           |
|             | ESMT_OPEN_SPACE                     | Open Space Easements                                    | SanGIS   |           | SanGIS                             | unknown           |
| Facilities  | FACILITIES_CN                       | County Facilities                                       | County   |           | DPW & General Services             | unknown           |
|             | FACILITIES_CONF_ROOMS_SD            | City Conference Room Facilities                         | City     |           | City IT&C                          | unknown           |
|             | FACILITIES_MILITARY                 | Military Facilities                                     | SanGIS   |           |                                    | unknown           |



## Appendix A – Intranet GeoDatabase Layer List (continued)

| Category                | SanGIS Oracle/SDE Name        | SanGIS Data Warehouse Description                                  | Access | Derived             | Responsible Department/Agency   | 10/17/2006 Update |        |
|-------------------------|-------------------------------|--|--------|---------------------|---------------------------------|-------------------|--------|
| <b>Geology</b>          | FAULT                         | City Earthquake Faults   | SanGIS | DSD                 | SanGIS                          | unknown           |        |
| <b>Fiber</b>            | FAULT_ALOPRI                  | City Aqurst Photo Earthquake Fault Zones                           | SanGIS | DSD                 | SanGIS                          | unknown           |        |
|                         | FIBERBLDG                     | Downtown City Buildings with Fiberoptics                           | SanGIS | City Planning       | SanGIS                          | unknown           |        |
|                         | FIBERNET                      | Downtown City Fiberoptc Network                                    | SanGIS | City Planning       | SanGIS                          | unknown           |        |
| <b>Fire</b>             | FIRE_BURN_HISTORY             | Burn History for San Diego County                                  | SanGIS | State               | State of California (FRAP)      | unknown           |        |
|                         | FIRE_BURN_SCAR_2003           | 2003 Firestorm Burn Scar   | SanGIS | County DPLU         | SanGIS                          | unknown           |        |
|                         | FIRE_DAMAGE_CEDAR             | Fire Damage Report for Cedar Fire                                  | SanGIS | County DPLU         | SanGIS                          | unknown           |        |
|                         | FIRE_DAMAGE_PARADISE          | Fire Damage Report for Paradise Fire                               | SanGIS | County DPLU         | SanGIS                          | unknown           |        |
|                         | FIRE_DEMAND_ZONE              | City Fire Demand Zones   | SanGIS | City                | City Fire                       | on demand         |        |
|                         | FIRE_PERMETER_CEDAR           | Fire Perimeter for Cedar Fire                                      | SanGIS | State of California | SanGIS                          | n/a               |        |
|                         | FIRE_PERMETER_OYAY            | Fire Perimeter for OYay Fire                                       | SanGIS | State of California | SanGIS                          | n/a               |        |
|                         | FIRE_PERMETER_PARADISE        | Fire Perimeter for Paradise Fire                                   | SanGIS | State of California | SanGIS                          | n/a               |        |
|                         | FIRE_STATION                  | County-wide Fire Stations  | SanGIS | City Fire           | SanGIS                          | on demand         |        |
| <b>Footprints</b>       | FOOTPRINTS_CITY_BUILDINGS_SD  | City Facilities Building Footprints                                | SanGIS | City                | City IT&C                       | unknown           |        |
|                         | FOOTPRINTS_NONRESIDENTIAL_SD  | Building footprints for nonresidential buildings in the City of SD | SanGIS | City                | City IT&C                       | unknown           |        |
| <b>Geology</b>          | GEOHAZARD                     | City Geological Hazards  | SanGIS | DSD                 | SanGIS                          | unknown           |        |
|                         | GEOLOGY                       | County Unincorporated Geology                                      | SanGIS | DPLU                | SanGIS                          | unknown           |        |
| <b>Grids</b>            | GRID_15X1_SD                  | City 1992 15x1 Orthophoto Gnd                                      | SanGIS | City GIS            | SanGIS                          | n/a               |        |
|                         | GRID_1999_SD                  | City 1998 Orthophoto Gnd   | SanGIS | City GIS            | SanGIS                          | n/a               |        |
|                         | GRID_3X2                      | 3000x2000 Gnd  | SanGIS | SanGIS              | SanGIS                          | n/a               |        |
|                         | GRID_3X2_SD                   | City 3000x2000 Gnd   | SanGIS | SanGIS              | SanGIS                          | n/a               |        |
|                         | GRID_PAGE_TB                  | Thomas Brothers Page Grid  | SanGIS | SanGIS              | SanGIS                          | annually          |        |
|                         | GRID_SANGIS                   | SanGIS Grid  | SanGIS | SanGIS              | SanGIS                          | n/a               |        |
|                         | GRID_TILE_TB                  | Thomas Brothers Tile Grid  | SanGIS | SanGIS              | SanGIS                          | annually          |        |
|                         | GRID_USGS75                   | USGS 7.5 Gnd   | SanGIS | SanGIS              | SanGIS                          | n/a               |        |
|                         | GRID_WATER_FIELD_BOOK         | City of San Diego Water Field Book Grid                            | SanGIS | SanGIS              | City Water                      | n/a               |        |
| <b>HOSPITAL</b>         | HAZARDS_UNEXPLODED_ORDNANCES  | Unexploded Ordnances   | SanGIS | SanGIS              | County DPLU                     | unknown           |        |
| <b>Hydrology</b>        | HYD_303D_WATERS_LINE          | 303d Waters Segments (currently City only)                         | SanGIS | SANDAG              | SANDAG                          | unknown           |        |
|                         | HYD_303D_WATERS_POLY          | 303d Waters Polygons (currently City only)                         | SanGIS | SANDAG              | SANDAG                          | unknown           |        |
|                         | HYD_BASINS                    | Basins and Watersheds  | SanGIS | State of California | SanGIS                          | unknown           |        |
|                         | HYD_DAM_INUNDATION            | Dam Inundation   | SanGIS | SanGIS              | DPW                             | unknown           |        |
|                         | HYD_FLOODPAN                  | FEMA Flood Panels (1997)   | SanGIS | FEMA                | SanGIS                          | unknown           |        |
|                         | HYD_FLOODPL                   | FEMA Flood Plains (1997)   | SanGIS | FEMA                | SanGIS                          | unknown           |        |
|                         | HYD_LAKE                      | Lakes  | SanGIS | SanGIS              | SanGIS                          | on demand         |        |
|                         | HYD_LAKE_TB                   | Thomas Brothers Lakes  | SanGIS | SanGIS              | SanGIS                          | annually          |        |
|                         | HYD_PACIFIC                   | Pacific Ocean  | SanGIS | SanGIS              | SanGIS                          | unknown           |        |
|                         | HYD_RAINFALL                  | Average Rainfall (30 year average)                                 | SanGIS | SanGIS              | DPLU                            | unknown           |        |
|                         | HYD_RIV_TB                    | Thomas Brothers Rivers   | SanGIS | SanGIS              | SanGIS                          | annually          |        |
|                         | HYD_RIVERS                    | Rivers   | SanGIS | SanGIS              | SanGIS                          | on demand         |        |
|                         | HYD_STREAMS_SG                | SANDAG Streams   | SanGIS | SANDAG              | SANLAW                          | unknown           |        |
|                         | HYD_WATERSHEDS_SG             | Stormwater Permit Watersheds                                       | SanGIS | SANDAG              | City Storm Water Section        | unknown           |        |
|                         | HYD_WELLS                     | Wells (unincorporated area only)                                   | SanGIS | SanGIS              | DPLU                            | unknown           |        |
|                         | HYD_WLND_SG                   | SANDAG Wetlands  | SanGIS | SANDAG              | SANDAG                          | unknown           |        |
| <b>Jurisdiction</b>     | INDIAN_RESERVATIONS           | Indian Reservations  | SanGIS | SanGIS              | SanGIS                          | on demand         |        |
|                         | JUR_CNTRY                     | County Boundary  | SanGIS | SanGIS              | SanGIS                          | on demand         |        |
|                         | JUR_CNTRY_SG                  | SANDAG County Boundary   | SanGIS | SANDAG              | SANDAG                          | unknown           |        |
|                         | JUR_MUNICIPAL                 | Municipal Boundaries   | SanGIS | SanGIS              | TRA                             | annually          |        |
|                         | JUR_PUBLIC_SAFETY             | Special Jurisdiction based on ARJIS Beats                          | SanGIS | SanGIS              | Beats                           | quarterly         |        |
|                         | JUR_SF_POLY                   | Special Jurisdiction Polygons (City, Unincorp, OIC)                | SanGIS | Internal            | SanGIS                          | on demand         |        |
|                         | JUR_STATE                     | California   | SanGIS | SanGIS              | SanGIS                          | n/a               |        |
|                         | JUR_VICINITY                  | Vicinity (surrounding counties, Baja & ocean)                      | SanGIS | SanGIS              | SanGIS                          | n/a               |        |
|                         | LANDBASE_BOUNDARIES           | Parcel and lot lines   | SanGIS | SanGIS              | SanGIS                          | weekly            |        |
|                         | LANDUSE_SG                    | SANDAG Landuse   | SanGIS | SANDAG              | SANDAG                          | annually          |        |
| <b>Law</b>              | LAW_BEATS                     | ARJIS Law Beats  | SanGIS | ARJIS               | ARJIS / SanGIS                  | quarterly         |        |
|                         | LAW_FACILITY                  | Law Facilities   | SanGIS | ARJIS               | ARJIS / District Attorney       | on demand         |        |
| <b>Layers (tablers)</b> | LAYERS_METADATA               | Table displays a descriptive name for each layer                   | SanGIS | Internal            | SanGIS                          | on demand         |        |
|                         | LAYERS_METADATA_UPDATE_DATE   | Table displays the last update date for each layer                 | SanGIS | Internal            | SanGIS                          | weekly            |        |
|                         | LIBRARY                       | Libraries  | SanGIS | SanGIS              | SanGIS                          | on demand         |        |
| <b>Logo (vector)</b>    | LOGG01_SGIS_A                 | SanGIS Logo with motto (polygon)                                   | SanGIS | Internal            | SanGIS                          | n/a               |        |
|                         | LOGG01_SGIS_L                 | SanGIS Logo with motto (lines)                                     | SanGIS | Internal            | SanGIS                          | n/a               |        |
|                         | LOGG02_SGIS_A                 | SanGIS Logo no motto (polygon)                                     | SanGIS | Internal            | SanGIS                          | n/a               |        |
|                         | LOGG02_SGIS_L                 | SanGIS Logo no motto (lines)                                       | SanGIS | Internal            | SanGIS                          | n/a               |        |
|                         | LOTS                          | Lot polygons   | SanGIS | SanGIS              | SanGIS                          | weekly            |        |
|                         | NATL_FOREST                   | National Forests   | SanGIS | SanGIS              | SanGIS                          | unknown           |        |
| <b>Parcels</b>          | PARCEL                        | Parcel polygons (not stacked)                                      | SanGIS | SanGIS              | SanGIS                          | weekly            |        |
|                         | PARCEL_APPRAISAL_RECORD       | County Assessor (Restricted)                                       | SanGIS | County              | Assessor                        | weekly            |        |
|                         | PARCELS_ALL                   | Parcel polygons (stacked condos)                                   | SanGIS | SanGIS              | SanGIS                          | weekly            |        |
|                         | PARCELS_ALL_NPC               | Parcel polygons without property characteristic attributes (stack) | SanGIS | SanGIS              | SanGIS                          | weekly            |        |
|                         | PARCELS_PORT_DISTRICT         | Port District Parcels  | SanGIS | Port Dist           | Port District                   | on demand         |        |
| <b>Parks</b>            | PARKS                         | Parks (countywide)   | SanGIS | SanGIS              | County Park and Recreation      | unknown           |        |
|                         | PARKS_CN                      | County Parks   | SanGIS | SanGIS              | County Park and Recreation      | unknown           |        |
|                         | PERMITS_DISCRETIONARY_CN      | County Discretionary Permits                                       | SanGIS | KIVA                | DPLU                            | monthly           |        |
| <b>Places</b>           | PLACES_CASINOS                | Indian Gaming Casinos  | SanGIS | SanGIS              | County DPW                      | unknown           |        |
|                         | PLACES_CELL_SITES             | Cell Phone Towers (from FCC)                                       | SanGIS | SanGIS              | County DPLU                     | unknown           |        |
|                         | PLACES_ELECTION_POLLS_NOV06   | Polls for Election in November 2006                                | SanGIS | SanGIS              | County Registrar of Voters      | on demand         |        |
|                         | PLACES_SG                     | Major Facilities   | SanGIS | SANDAG              | SANLAW                          | unknown           |        |
|                         | PLACES_SOLID_WASTE_SITES_SD   | Solid waste sites within City of San Diego                         | SanGIS | City                | USD                             | unknown           |        |
| <b>Public Land</b>      | PUB_LAND_OWN_TB               | Thomas Brothers Public Land Ownership                              | SanGIS | SanGIS              | FCC                             | unknown           |        |
|                         | PUB_LAND_SUR                  | Public Land Surveys (Townships, Pueblo)                            | SanGIS | SanGIS              | SanGIS                          | unknown           |        |
| <b>Public Safety</b>    | PUBSAFETY_AMBULANCE_OP_AREAS  | Ambulance Exclusive Operating Areas                                | SanGIS | SanGIS              | County HHSa                     | unknown           |        |
|                         | PUBSAFETY_AMBULANCE_STAGE_LOC | Ambulance Staging Locations  | SanGIS | SanGIS              | County HHSa                     | unknown           |        |
|                         | PUBSAFETY_EMER_SERVICES_NUM   | Emergency Service numbers used for 911 routing                     | SanGIS | SanGIS              | Sherriff's Communication Center | on demand         |        |
|                         | PUBSAFETY_TRAUMA_AREAS        | County EMS Trauma Areas  | SanGIS | SanGIS              | County HHSa EMS                 | unknown           |        |
| <b>Roads</b>            | RAILROAD                      | Railroads  | SanGIS | SANDAG              | SANLAW                          | annually          |        |
|                         | RD_MAJOR_SG                   | SANDAG Major Roads   | SanGIS | SANDAG              | SANLAW                          | on demand         |        |
|                         | RD_SHIELD_SG                  | SANDAG Road Shields  | SanGIS | SANDAG              | SANLAW                          | on demand         |        |
|                         | REC_CENTER_SD                 | City Recreation Centers  | SanGIS | SanGIS              | SanGIS                          | unknown           |        |
| <b>Roads</b>            | RIGHT_OF_WAY                  | Road Right of Way derived from parcel polygons                     | SanGIS | SanGIS              | SanGIS                          | weekly            |        |
|                         | ROAD_TB                       | Thomas Brothers Roads  | SanGIS | SanGIS              | SanGIS                          | annually          |        |
|                         | ROADS_ALL                     | Roads  | SanGIS | SanGIS              | SanGIS                          | weekly            |        |
|                         | ROADS_COLLECTOR               | Collector Roads  | SanGIS | SanGIS              | Roads, all                      | SanGIS            | weekly |
|                         | ROADS_FREEWAY                 | Freeways   | SanGIS | SanGIS              | Roads, all                      | SanGIS            | weekly |
|                         | ROADS_FREEWAY_RAMP            | Freeway Ramps  | SanGIS | SanGIS              | Roads, all                      | SanGIS            | weekly |
|                         | ROADS_HIGHWAY                 | Highways   | SanGIS | SanGIS              | Roads, all                      | SanGIS            | weekly |
|                         | ROADS_INTERSECTION            | Intersections  | SanGIS | SanGIS              | SanGIS                          | weekly            |        |
|                         | ROADS_MAJOR                   | Major Roads  | SanGIS | SanGIS              | Roads, all                      | SanGIS            | weekly |
|                         | ROADS_TRANSITION_RAMP         | Transition Ramps   | SanGIS | SanGIS              | Roads, all                      | SanGIS            | weekly |
| <b>Reclaim Wtr</b>      | RW_AIR_VALVE                  | City Reclaimed Water Air Valves                                    | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_BACK_FLOW                  | City Reclaimed Water Backflow                                      | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_BLOW_OFF                   | City Reclaimed Water Blowoff                                       | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_CAP                        | City Reclaimed Water Cap   | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_CORP_STOP                  | City Reclaimed Water Corporate Stop                                | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_DISTRIBUTION_RESERVOIR     | City Reclaimed Water Distribution Reservoir                        | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_HGL                        | City Reclaimed Water HGL   | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_HGL_P                      | City Reclaimed Water HGL Points                                    | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_METER                      | City Reclaimed Water Meter   | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_PIPE                       | City Reclaimed Water Pipe  | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_PUMP                       | City Reclaimed Water Pump  | SanGIS | City                | City Water                      | monthly           |        |
|                         | RW_PUMP_STATION               | City Reclaimed Water Pump Station                                  | SanGIS | City                | City Water                      | monthly           |        |

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## Appendix A – Intranet GeoDatabase Layer List (continued)

| Category                    | SanGIS Oracle/SDE Name                        | SanGIS Data Warehouse Description          | Access   | Derived               | Responsible Department/Agency | 10/17/2006 Update |
|-----------------------------|---|--|----------|-----------------------|-------------------------------|-------------------|
|                             | RW_REDUCER                                    | City Reclaimed Water Reducer               | City     | City                  | City Water                    | monthly           |
|                             | RW_REGULATOR_VALVE                            | City Reclaimed Water Regulator Valve       | City     | City                  | City Water                    | monthly           |
|                             | RW_SAMPLE_LOCATION                            | City Reclaimed Water Sampling Location     | City     | City                  | City Water                    | monthly           |
|                             | RW_SERVICE                                    | City Reclaimed Water Service               | City     | City                  | City Water                    | monthly           |
|                             | RW_STABILIZING_STRUCTURE                      | City Reclaimed Water Stabilizing Structure | City     | City                  | City Water                    | monthly           |
|                             | RW_STATION                                    | City Reclaimed Water Station               | City     | City                  | City Water                    | monthly           |
|                             | RW_TANK                                       | City Reclaimed Water Tank                  | City     | City                  | City Water                    | monthly           |
|                             | RW_VALVE                                      | City Reclaimed Water Valve                 | City     | City                  | City Water                    | monthly           |
|                             | RWTR_AIR_VALVE                                | City Reclaimed Water Air Valves            | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_BACK_FLOW                                | City Reclaimed Water Backflow              | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_BLOW_OFF                                 | City Reclaimed Water Blowoff               | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_CAP                                      | City Reclaimed Water Cap                   | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_CORP_STOP                                | City Reclaimed Water Corporate Stop        | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_HGL                                      | City Reclaimed Water HGL                   | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_HGL_P                                    | City Reclaimed Water HGL Points            | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_METER                                    | City Reclaimed Water Meter                 | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_PIPE                                     | City Reclaimed Water Pipe                  | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_PUMP                                     | City Reclaimed Water Pump                  | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_PUMP_STATION                             | City Reclaimed Water Pump Station          | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_REDUCER                                  | City Reclaimed Water Reducer               | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_REGULATOR_VALVE                          | City Reclaimed Water Regulator Valve       | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_SAMPLE_LOCATION                          | City Reclaimed Water Sampling Location     | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_SERVICE                                  | City Reclaimed Water Service               | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_STABILIZING_STRUCTURE                    | City Reclaimed Water Stabilizing Structure | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_STATION                                  | City Reclaimed Water Station               | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_STATIONP                                 | City Reclaimed Water Station Points        | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_TANK                                     | City Reclaimed Water Tank                  | City     | RW                    | City Water                    | monthly           |
|                             | RWTR_VALVE                                    | City Reclaimed Water Valve                 | City     | RW                    | City Water                    | monthly           |
|                             | S_AIR_VALVE                                   | City Sewer Air Valve                       | City     | City                  | City Water                    | monthly           |
|                             | S_BASIN_PUMPSTN_1                             | City Sewer Basin for Pump Station #1       | City     | City                  | City Water                    | monthly           |
|                             | S_BASIN_PUMPSTN_2                             | City Sewer Basin for Pump Station #2       | City     | City                  | City Water                    | monthly           |
|                             | S_BASIN_PUMPSTN_48                            | City Sewer Basin for Pump Station #48      | City     | City                  | City Water                    | monthly           |
|                             | S_BASIN_PUMPSTN_5                             | City Sewer Basin for Pump Station #5       | City     | City                  | City Water                    | monthly           |
|                             | S_BLOW_OFF                                    | City Sewer Blowoff                         | City     | City                  | City Water                    | monthly           |
|                             | S_CLEAN_OUT                                   | City Sewer Clean-out                       | City     | City                  | City Water                    | monthly           |
| S_LATERAL                   | City Sewer Lateral                            | City                                       | City     | City Water            | monthly                       |                   |
| S_LATERAL_REMOVED_ABANDONED | City Sewer Lateral - Removed/Abandoned        | City                                       | City     | City Water            | monthly                       |                   |
| S_MAIN                      | City Sewer Main                               | SanGIS                                     | City     | City Water            | monthly                       |                   |
| S_MAIN_ASSESSMENT2          | City Sewer Main Assessment (op)               | City                                       | City     | City Water            | monthly                       |                   |
| S_MAIN_CN                   | County Sewer Main                             | City                                       | City     | County DPW            | on demand                     |                   |
| S_MAIN_DEFECT_SCORE2        | City Sewer Main Defect (op)                   | City                                       | City     | City Water            | monthly                       |                   |
| S_MAIN_HYDRAULIC            | City Sewer Hydraulic (op)                     | City                                       | City     | City Water            | monthly                       |                   |
| S_MAIN_INSP_SCHEDULE2       | City Sewer Main Inspection Schedule (op)      | City                                       | City     | City Water            | monthly                       |                   |
| S_MAIN_INSPECTED2           | City Sewer Main Inspected (op)                | City                                       | City     | City Water            | monthly                       |                   |
| S_MAIN_OVERFLOW2            | City Sewer Main Overflow (op)                 | City                                       | City     | City Water            | monthly                       |                   |
| S_MAIN_PM                   | City Sewer Main Preventative Maintenance (op) | City                                       | City     | City Water            | monthly                       |                   |
| S_MAIN_REMOVED_ABANDONED    | City Sewer Main - Removed/Abandoned           | City                                       | City     | City Water            | monthly                       |                   |
| S_MANHOLE                   | City Sewer Manhole                            | SanGIS                                     | City     | City Water            | monthly                       |                   |
| S_MANHOLE_CN                | County Sewer Manhole                          | SanGIS                                     | County   | County DPW            | on demand                     |                   |
| S_MANHOLE_INSPECTED2        | City Sewer Manhole Inspected (op)             | City                                       | City     | City Water            | monthly                       |                   |
| S_MANHOLE_REMOVED_ABANDONED | City Sewer Manhole - Removed/Abandoned        | City                                       | City     | City Water            | monthly                       |                   |
| S_METER                     | City Sewer Meter                              | City                                       | City     | City Water            | monthly                       |                   |
| S_NODE                      | City Sewer Node                               | City                                       | City     | City Water            | monthly                       |                   |
| S_PLUG                      | City Sewer Plug                               | City                                       | City     | City Water            | monthly                       |                   |
| S_PUMP                      | City Sewer Pump                               | City                                       | City     | City Water            | monthly                       |                   |
| S_PUMPSTA                   | City Sewer Pump Station Points                | City                                       | City     | City Water            | monthly                       |                   |
| S_PUMPSTN                   | City Sewer Pump Station Polygons              | City                                       | City     | City Water            | monthly                       |                   |
| S_REDUCER                   | City Sewer Reducer                            | City                                       | City     | City Water            | monthly                       |                   |
| S_STATION                   | City Sewer Station                            | City                                       | City     | City Water            | monthly                       |                   |
| S_STATIONP                  | City Sewer Station Points                     | City                                       | City     | City Water            | monthly                       |                   |
| S_STBL                      | City Sewer Stabilizing Structure              | City                                       | City     | City Water            | monthly                       |                   |
| S_TANK                      | City Sewer Tank                               | City                                       | City     | City Water            | monthly                       |                   |
| S_TREATMENT_PLANT           | City Sewer Treatment Plant                    | City                                       | City     | City Water            | monthly                       |                   |
| S_VALVE                     | City Sewer Valve                              | City                                       | City     | City Water            | monthly                       |                   |
| SCHOOL                      | Schools                                       | Schools                                    | SANDAG   | SANDAG                | SanGIS                        | annually          |
| Seal                        | SEAL_CITY                                     | City Seal                                  | Internal | SanGIS                | n/a                           | n/a               |
| Seal (vector)               | SEAL_CNTRY                                    | County Seal                                | Internal | SanGIS                | n/a                           | n/a               |
|                             | SEAL_L_CNTRY                                  | County Seal Lines                          | Internal | SanGIS                | n/a                           | n/a               |
| Slopes                      | SLOPES  | City Slopes (1992)                         | SanGIS   | City GIS              | n/a                           | n/a               |
|                             | SLOPES_1999                                   | City Slopes (1999)                         | SanGIS   | City GIS              | n/a                           | n/a               |
|                             | SOILS   | USDA Soils                                 | SanGIS   | USDA                  | n/a                           | unknown           |
|                             | STREET_LIGHT                                  | City Street Lights                         | SanGIS   | City Transportation   | n/a                           | on demand         |
| Subdivision                 | SUBDIVISION                                   | Subdivision Polygons                       | SanGIS   | SanGIS                | n/a                           | weekly            |
|                             | SUBDIVISION_LINE                              | Subdivision Lines                          | SanGIS   | SanGIS                | n/a                           | weekly            |
| SurveyDoc                   | SURVEYDOC_FREEWAY_ANNO                        | County DPW Survey Doc Freeway Anno         | Internal | SanGIS                | County DPW                    | on demand         |
|                             | SURVEYDOC_GRID_LINE                           | County DPW Survey Doc Grid Lines           | Internal | SanGIS                | County DPW                    | on demand         |
|                             | SURVEYDOC_GRID_POLY                           | County DPW Survey Doc Grid Polys           | Internal | SanGIS                | County DPW                    | on demand         |
|                             | SURVEYDOC_HIGHWAY_ANNO                        | County DPW Survey Doc Highway Anno         | Internal | SanGIS                | County DPW                    | on demand         |
|                             | SURVEYDOC_JUR_ANNO                            | County DPW Survey Doc Jurisdiction Anno    | Internal | SanGIS                | County DPW                    | on demand         |
|                             | SURVEYDOC_MAJOR_ROD_ANNO                      | County DPW Survey Doc Major Road Anno      | Internal | SanGIS                | County DPW                    | on demand         |
|                             | SURVEYDOC_MINOR_ROD_ANNO                      | County DPW Survey Doc Minor Road Anno      | Internal | SanGIS                | County DPW                    | on demand         |
|                             | SURVEYDOC_PARCEL_ANNO                         | County DPW Survey Doc Parcel Anno          | Internal | SanGIS                | County DPW                    | on demand         |
|                             | SURVEYDOC_PARK_LG_ANNO                        | County DPW Survey Doc Large Park Anno      | Internal | SanGIS                | County DPW                    | on demand         |
|                             | SURVEYDOC_PARK_SM_ANNO                        | County DPW Survey Doc Small Park Anno      | Internal | SanGIS                | County DPW                    | on demand         |
| Topography                  | TAX_RATE_AREA                                 | Tax Rate Areas                             | County   | Assessor              | n/a                           | annually          |
|                             | TOPO_10                                       | City 10 foot Contours                      | Internal | SanGIS                | City GIS                      | n/a               |
|                             | TOPO_100_SG                                   | SANDAG 100 foot Contours                   | SANDAG   | SANDAG                | n/a                           | n/a               |
|                             | TOPO_1999_2                                   | City 2 foot Contours (1999)                | SanGIS   | City GIS              | n/a                           | n/a               |
|                             | TOPO_1999_5                                   | City 5 foot Contours (1999)                | SanGIS   | City GIS              | n/a                           | n/a               |
|                             | TOPO_2  | City 2 foot Contours (1992)                | SanGIS   | City GIS              | n/a                           | n/a               |
|                             | TOPO_20                                       | City 20 foot Contours                      | Internal | SanGIS                | City GIS                      | n/a               |
|                             | TOPO_200_SG                                   | SANDAG 200 foot Contours                   | SANDAG   | SANDAG                | n/a                           | n/a               |
|                             | TOPO_40_SG                                    | SANDAG 40 foot Contours                    | SANDAG   | SANDAG                | n/a                           | n/a               |
|                             | TOPO_5  | City 5 foot Contours (1992)                | SanGIS   | City GIS              | n/a                           | n/a               |
|                             | TRAFFIC_SIGNAL                                | City Traffic Signals                       | SanGIS   | City Transportation   | n/a                           | on demand         |
| Transit                     | TRAN_ROUTE_SG                                 | SANDAG Transit Routes                      | SANDAG   | SANDAG                | n/a                           | annually          |
|                             | TRAN_STOPS_SG                                 | SANDAG Transit Stops                       | SANDAG   | SANDAG                | n/a                           | annually          |
|                             | TREES_SD                                      | City Trees (in ROW)                        | SanGIS   | City Streets Division | n/a                           | on demand         |
| Water                       | W_AIR_VALVE                                   | City Water Air Valves                      | City     | City                  | City Water                    | monthly           |
|                             | W_AQUEDUCT                                    | City Water Aqueduct                        | City     | City                  | City Water                    | monthly           |
|                             | W_BACK_FLOW                                   | City Water Backflow                        | City     | City                  | City Water                    | monthly           |
|                             | W_BLOW_OFF                                    | City Water Blow Off                        | City     | City                  | City Water                    | monthly           |
|                             | W_CAP   | City Water Cap                             | City     | City                  | City Water                    | monthly           |
|                             | W_CHANNEL                                     | City Water Channel                         | City     | City                  | City Water                    | monthly           |
|                             | W_CORP_STOP                                   | City Water Corporate Stop                  | City     | City                  | City Water                    | monthly           |
|                             | W_CREEK                                       | City Water Creek                           | City     | City                  | City Water                    | monthly           |
|                             | W_DAM   | City Water Dam                             | City     | City                  | City Water                    | monthly           |
|                             | W_DISTRIBUTION_RESERVOIR                      | City Water Distribution Reservoir          | City     | City                  | City Water                    | monthly           |
|                             | W_DIVERSION_CONNECTION                        | City Water Diversion Connection            | City     | City                  | City Water                    | monthly           |
|                             | W_FILTRATION_PLANT                            | City Water Filtration Plant                | City     | City                  | City Water                    | monthly           |

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## Appendix A – Intranet GeoDatabase Layer List (continued)

| SanGIS Data Warehouse |                               |  |        |            |                               |           | 10/17/2006 |
|-----------------------|-------------------------------|--|--------|------------|-------------------------------|-----------|------------|
| Category              | SanGIS Oracle/SDE Name        | Description                              | Access | Derived    | Responsible Department/Agency | Up date   |            |
| Water                 | W_FLUME                       | City Water Flume                         | City   |            | City Water                    | monthly   |            |
|                       | W_HGL                         | City Water HGL                           | City   |            | City Water                    | monthly   |            |
|                       | W_HGL_P                       | City Water HGL Points                    | City   |            | City Water                    | monthly   |            |
|                       | W_HYDRANT                     | City Water Hydrant                       | City   |            | City Water                    | monthly   |            |
|                       | W_HYDRANT_REMOVED_ABANDONED   | City Water Hydrants - Removed/Abandoned  | City   |            | City Water                    | monthly   |            |
|                       | W_METER                       | City Water Meter                         | City   |            | City Water                    | monthly   |            |
|                       | W_OUTLET_TOWER                | City Water Outlet Tower                  | City   |            | City Water                    | monthly   |            |
|                       | W_PIPE                        | City Water Pipe                          | City   |            | City Water                    | monthly   |            |
|                       | W_PIPE_REMOVED_ABANDONED      | City Water Pipe - Removed/Abandoned      | City   |            | City Water                    | monthly   |            |
|                       | W_PITOT_TAP                   | City Water Pitot                         | City   |            | City Water                    | monthly   |            |
|                       | W_PUMP                        | City Water Pump                          | City   |            | City Water                    | monthly   |            |
|                       | W_PUMP_STATION                | City Water Pump Station                  | City   |            | City Water                    | monthly   |            |
|                       | W_RAW_WATER_RESERVOIR         | City Raw Water Reservoir                 | City   |            | City Water                    | monthly   |            |
|                       | W_REDUCER                     | City Water Reducer                       | City   |            | City Water                    | monthly   |            |
|                       | W_REGULATING_RESERVOIR        | City Water Regulating Reservoir          | City   |            | City Water                    | monthly   |            |
|                       | W_REGULATOR_REMOVED_ABANDONED | City Regulator Valve - Removed/Abandoned | City   |            | City Water                    | monthly   |            |
|                       | W_REGULATOR_VALVE             | City Regulator Valve                     | City   |            | City Water                    | monthly   |            |
|                       | W_SAMPLE_LOCATION             | City Water Sampling Location             | City   |            | City Water                    | monthly   |            |
|                       | W_SENSITIVE_LANDS             | City Water Sensitive Lands               | City   |            | City Water                    | monthly   |            |
|                       | W_SERVICE                     | City Water Service                       | City   |            | City Water                    | monthly   |            |
|                       | W_SERVICE_REMOVED_ABANDONED   | City Water Service - Removed/Abandoned   | City   |            | City Water                    | monthly   |            |
|                       | W_STATION                     | City Water Station                       | City   |            | City Water                    | monthly   |            |
|                       | W_STATIONP                    | City Water Station Point                 | City   |            | City Water                    | monthly   |            |
|                       | W_STBL                        | City Water Stabilizing Structure         | City   |            | City Water                    | monthly   |            |
|                       | W_TANK                        | City Water Tank                          | City   |            | City Water                    | monthly   |            |
|                       | W_TUNNEL                      | City Water Tunnel                        | City   |            | City Water                    | monthly   |            |
|                       | W_VALVE                       | City Water Valve                         | City   |            | City Water                    | monthly   |            |
|                       | W_VALVE_REMOVED_ABANDONED     | City Water Valve - Removed/Abandoned     | City   |            | City Water                    | monthly   |            |
|                       | W_WEIR                        | City Water Weir                          | City   |            | City Water                    | monthly   |            |
|                       | W_WELL                        | City Water Wells                         | City   |            | City Water                    | monthly   |            |
|                       | WTR_AIR_VALVE                 | City Water Air Valves                    | City   | W          | City Water                    | monthly   |            |
|                       | WTR_AQUEDUCT                  | City Water Aqueduct                      | City   | W          | City Water                    | monthly   |            |
|                       | WTR_BACK_FLOW                 | City Water Backflow                      | City   | W          | City Water                    | monthly   |            |
|                       | WTR_BLOW_OFF                  | City Water Blow Off                      | City   | W          | City Water                    | monthly   |            |
|                       | WTR_CAP                       | City Water Cap                           | City   | W          | City Water                    | monthly   |            |
|                       | WTR_CHANNEL                   | City Water Channel                       | City   | W          | City Water                    | monthly   |            |
|                       | WTR_CORP_STOP                 | City Water Corporate Stop                | City   | W          | City Water                    | monthly   |            |
|                       | WTR_CREEK                     | City Water Creek                         | City   | W          | City Water                    | monthly   |            |
|                       | WTR_DIVERSION_CONNECTION      | City Water Diversion Connection          | City   | W          | City Water                    | monthly   |            |
|                       | WTR_FLUME                     | City Water Flume                         | City   | W          | City Water                    | monthly   |            |
|                       | WTR_HGL                       | City Water HGL                           | City   | W          | City Water                    | monthly   |            |
|                       | WTR_HGL_P                     | City Water HGL Points                    | City   | W          | City Water                    | monthly   |            |
|                       | WTR_HYDRANT                   | City Water Hydrant                       | SanGIS | W          | City Water                    | monthly   |            |
|                       | WTR_METER                     | City Water Meter                         | City   | W          | City Water                    | monthly   |            |
|                       | WTR_PIPE                      | City Water Pipe                          | SanGIS | W          | City Water                    | monthly   |            |
|                       | WTR_PITOT_TAP                 | City Water Pitot                         | City   | W          | City Water                    | monthly   |            |
|                       | WTR_PUMP                      | City Water Pump                          | City   | W          | City Water                    | monthly   |            |
| WTR_REDUCER           | City Water Reducer            | City                                     | W      | City Water | monthly                       |           |            |
| WTR_REGULATOR_VALVE   | City Regulator Valve          | City                                     | W      | City Water | monthly                       |           |            |
| Water                 | WTR_SAMPLE_LOCATION           | City Water Sampling Location             | City   | W          | City Water                    | monthly   |            |
|                       | WTR_SERVICE                   | City Water Service                       | City   | W          | City Water                    | monthly   |            |
|                       | WTR_STATION                   | City Water Station                       | City   | W          | City Water                    | monthly   |            |
|                       | WTR_STATIONP                  | City Water Station Point                 | City   | W          | City Water                    | monthly   |            |
|                       | WTR_STBL                      | City Water Stabilizing Structure         | City   | W          | City Water                    | monthly   |            |
|                       | WTR_TANK                      | City Water Tank                          | City   | W          | City Water                    | monthly   |            |
|                       | WTR_TUNNEL                    | City Water Tunnel                        | City   | W          | City Water                    | monthly   |            |
|                       | WTR_VALVE                     | City Water Valve                         | City   | W          | City Water                    | monthly   |            |
|                       | WTR_WEIR                      | City Water Weir                          | City   | W          | City Water                    | monthly   |            |
|                       | WTR_WELL                      | City Water Wells                         | City   | W          | City Water                    | monthly   |            |
| Zoning                | ZIPCODE                       | Zip Codes                                | SanGIS |            | SanGIS                        | on demand |            |
|                       | ZONING_SD                     | City Zoning (Base zones)                 | SanGIS |            | City OSD                      | on demand |            |
|                       | ZONING_UN                     | County Unincorporated Zoning             | SanGIS |            | DPLU                          | on demand |            |



## Appendix B – Internet GeoDatabase Layer List

| SanGIS Data Warehouse - Internet Geodatabase |                                  |  |            |           |           |
|--|----------------------------------|--|------------|-----------|-----------|
| Category                                     | SanGIS Oracle/SDE Name           | Description                                  | Restricted | Derived   | Update    |
| Address                                      | ADDRAPN                          | Address points                               | N          |           | weekly    |
| Airport                                      | AIR_RUNWAYS                      | Airport runway polygons                      | N          |           | unknown   |
| Business                                     | BUS_ENTERPRISE_ZONES             | City Enterprise Zones                        | N          |           | unknown   |
|  | BUS_FOREIGN_TRADE_ZONES          | City Foreign Trade Zones                     | N          |           | unknown   |
|  | BUS_IMPROVEMENT_DISTRICTS        | City Business Improvement Districts (BID)    | N          |           | unknown   |
|  | BUS_PPRPTY_BASED_IMPRVMENT_DIST  | City Property Based Improvement Districts    | N          |           | unknown   |
|  | BUS_RECYCLING_MARKET_DEV_ZONES   | City Recycling Market Development Zones      | N          |           | unknown   |
|  | BUS_RENEWAL_COMMUNITY            | City Renewal Community                       | N          |           | unknown   |
|  | BUS_SD_REVLOAN                   | City Revolving Loan Area                     | N          |           | unknown   |
|  | BUS_TARGETED_EMPLOYMENT_AREAS    | City Targeted Employment Areas               | N          |           | unknown   |
| Census                                       | CEN_BLOCKS                       | Federal Census Blocks (2000)                 | N          |           | quarterly |
|  | CEN_MAJOR_STAT_AREAS             | Census Major Statistical Areas (2000)        | N          | Tracts    | decade    |
|  | CEN_SUBREG_AREAS                 | Census Sub-Regional Areas (2000)             | N          | Tracts    | decade    |
|  | CEN_TRACTS                       | Federal Census Tracts (2000)                 | N          |           | quarterly |
| CIP  | CIP_METRO                        | MWWD CIP Projects                            | N          |           | monthly   |
|  | CIP_WATER                        | City Water CIP Projects                      | N          |           | monthly   |
|  | CIP_WSD                          | City Waste Water & Sewer Design CIP Projects | N          |           | monthly   |
| Community                                    | CMTY_P                           | Community Points                             | N          |           | unknown   |
|  | CMTY_PLAN                        | Community Plans + other incorp cities        | N          |           | on demand |
|  | CMTY_SERVCTR_SD                  | City Community Service Centers               | N          |           | on demand |
|  | CONTROL_MON                      | Control Monuments                            | N          |           | quarterly |
| District                                     | DIST_ASSEMBLY                    | CA State Assembly Districts (2000)           | N          | Precincts | decade    |
|  | DIST_CONGRESS                    | US Congressional Districts (2000)            | N          | Precincts | decade    |
|  | DIST_COUNCIL                     | City Council Districts (2000)                | N          |           | decade    |
|  | DIST_ELEMENTARY_SCHOOL           | Elementary School Districts                  | N          | TRA       | annually  |
|  | DIST_HIGH_SCHOOL                 | High School Districts                        | N          | TRA       | annually  |
|  | DIST_LIGHTING                    | Lighting Districts                           | N          | TRA       | annually  |
|  | DIST_MAINTENANCE                 | Maintenance Districts                        | N          | TRA       | annually  |
|  | DIST_PRECINCT                    | Voter Precincts (Mar 2001)                   | N          |           | annually  |
|  | DIST_REDEVELOPMENT               | Redevelopment Districts                      | N          | TRA       | annually  |
|  | DIST_RESOURCE_CONSERVATION       | Resource Conservation Districts              | N          | TRA       | annually  |
|  | DIST_SENATE                      | CA State Senate Districts (2000)             | N          | Precincts | decade    |
|  | DIST_SUPERVISOR                  | County Supervisor Districts (2000)           | N          | Precincts | decade    |
|  | DIST_UNIFIED_SCHOOL              | Unified School Districts                     | N          | TRA       | annually  |
| Storm Drain                                  | DRAIN_PIPE                       | City Storm Drain Pipes                       | N          |           | on demand |
| Ecology                                      | ECO_CANYONS                      | City Canyons                                 | N          |           | unknown   |
|  | ECO_ENVIRNMENTLY_SENSITIVE_AREAS | Environmentally Sensitive Areas (ESA)        | N          |           | unknown   |
|  | ECO_MHPA_SD                      | City Multiple Habitat Planning Areas         | N          |           | unknown   |
|  | ECO_MSCP_HABITRAK                | Regional MSCP Habittrak Data (loss & gain)   | N          |           | unknown   |
|  | ECO_MSCP_SUBAREAS_SEGMENTS       | MSCP Subareas and Segments                   | N          |           | unknown   |
|  | ECO_WTR_QUALITY_SENSITIVE_AREA   | City Water Quality Sensitive Areas           | N          | ESA       | unknown   |
| Geology                                      | ESMT_OPEN_SPACE                  | Open Space Easements                         | N          |           | weekly    |
|  | FAULT                            | City Earthquake Faults                       | N          |           | unknown   |
| Fiber  | FIBERBLDG                        | Downtown City Buildings with Fiberoptics     | N          |           | unknown   |
|  | FIBERNET                         | Downtown City Fiberoptic Network             | N          |           | unknown   |
| Geology                                      | FIRE_STATION                     | County-wide Fire Stations                    | N          |           | on demand |
|  | GEOHAZARD                        | City Geological Hazards                      | N          |           | unknown   |
|  | GRID_1999_SD                     | City 1999 Orthophoto Grid                    | N          |           | n/a       |
|  | GRID_SANGIS                      | SanGIS Grid                                  | N          |           | n/a       |
|  | GRIP                             | City Economic Development (Restricted)       | Y          |           | unknown   |

## Appendix B – Internet GeoDatabase Layer List (continued)

| SanGIS Data Warehouse - Internet Geodatabase |                              |   |                 |           |           |
|--|------------------------------|---|-----------------|-----------|-----------|
| Category                                     | SanGIS Oracle/SDE Name       | Description                                   | Restricted      | Derived   | Update    |
| Hydrology                                    | HYD_303D_WATERS_LINE         | 303d Waters Segments (currently City only)    | N               |           | unknown   |
|  | HYD_303D_WATERS_POLY         | 303d Waters Polygons (currently City only)    | N               |           | unknown   |
|  | HYD_BASINS                   | Basins and Watersheds                         | N               |           | unknown   |
|  | HYD_DAM_INUNDATION           | Dam Inundation                                | N               |           | unknown   |
|  | HYD_FLOODPAN                 | FEMA Flood Panels (1997)                      | N               |           | unknown   |
|  | HYD_FLOODPL                  | FEMA Flood Plains (1997)                      | N               |           | unknown   |
|  | HYD_LAKE                     | Lakes   | N               |           | on demand |
|  | HYD_PACIFIC                  | Pacific Ocean                                 | N               |           | on demand |
|  | HYD_RIVERS                   | Rivers  | N               |           | on demand |
|  | HYD_STREAMS_SG               | SANDAG Streams                                | N               |           | unknown   |
|  | HYD_WATERSHEDS_SG            | Stomwater Permit Watersheds                   | N               |           | unknown   |
|  | INDIAN_RESERVATIONS          | Indian Reservations                           | N               |           | on demand |
|  | Jurisdiction                 | JUR_CNTY                                      | County Boundary | N         |           |
| JUR_MUNICIPAL                                |                              | Municipal Boundaries                          | N               | TRA       | annually  |
| JUR_VICINITY                                 |                              | Vicinity (surrounding counties, Baja & ocean) | N               |           | n/a       |
| LANDUSE_SG                                   |                              | SANDAG Landuse                                | N               |           | annually  |
| Law  | LAW_FACILITY                 | Law Facilities                                | N               |           | on demand |
|  | LIBRARY                      | Libraries                                     | N               |           | on demand |
| Lot  | LOT_ROW                      | Right of Way                                  | N               | Lots      | weekly    |
|  | NTL_FOREST                   | National Forests                              | N               |           | unknown   |
| Parcel                                       | PARCEL                       | Parcels (polygons)                            | N               |           | weekly    |
|  | PARKS                        | Parks   | N               |           | on demand |
|  | RAILROAD                     | Railroads                                     | N               |           | annually  |
| Road   | RD_ALL                       | Roads   | N               |           | weekly    |
|  | RD_COLLECTOR                 | Collector Roads (segclass 4)                  | N               | Roads     | weekly    |
|  | RD_FWY                       | Freeway Roads (segclass 1)                    | N               | Roads     | weekly    |
|  | RD_FWYRAMP                   | Freeway On/Off Ramps (segclass 9)             | N               | Roads     | weekly    |
|  | RD_HWY                       | Highway Roads (segclass 2)                    | N               | Roads     | weekly    |
|  | RD_MAJOR                     | Major Roads (segclass 3)                      | N               | Roads     | weekly    |
|  | REC_CENTER_SD                | City Recreation Centers                       | N               |           | on demand |
|  | S_MAIN                       | City Sewer Main                               | N               |           | monthly   |
|  | SCHOOL                       | Schools                                       | N               |           | annually  |
|  | SLOPES                       | Slopes (1992)                                 | N               |           | unknown   |
| SurveyDoc                                    | SURVEYDOC_FREEWAY_ANNO       | County DPW Survey Doc Freeway Anno            | Y               |           | on demand |
|  | SURVEYDOC_GRID_LINE          | County DPW Survey Doc Grid Lines              | Y               |           | on demand |
|  | SURVEYDOC_GRID_POLY          | County DPW Survey Doc Grid Polys              | Y               |           | on demand |
|  | SURVEYDOC_HIGHWAY_ANNO       | County DPW Survey Doc Highway Anno            | Y               |           | on demand |
|  | SURVEYDOC_JUR_ANNO           | County DPW Survey Doc Jurisdiction Anno       | Y               |           | on demand |
|  | SURVEYDOC_MAJOR_RD_ANNO      | County DPW Survey Doc Major Road Anno         | Y               |           | on demand |
|  | SURVEYDOC_MINOR_RD_ANNO      | County DPW Survey Doc Minor Road Anno         | Y               |           | on demand |
|  | SURVEYDOC_PARCEL_ANNO        | County DPW Survey Doc Parcel Anno             | Y               |           | on demand |
|  | SURVEYDOC_PARK_LG_ANNO       | County DPW Survey Doc Large Park Anno         | Y               |           | on demand |
|  | SURVEYDOC_PARK_SM_ANNO       | County DPW Survey Doc Small Park Anno         | Y               |           | on demand |
| TOPO_40_SG                                   | SANDAG 40 foot Contours      | N   |                 | n/a       |           |
| WTR_HYDRANT                                  | City Water Hydrant           | N   |                 | monthly   |           |
| ZIPCODE                                      | Zip Codes                    | N   |                 | on demand |           |
| ZONING_UN                                    | County Unincorporated Zoning | N   |                 | on demand |           |

## Appendix C – PARCELS MetaData

### SanGIS Layer Datasheet

category: PARCEL  
 feature: POLYGON  
 extent: SD COUNTY  
 agency: SanGIS  
 description: Parcels for the entire county  
 notation: Initial Load

covinfo: /gisdata/parcel/export/parcels\_all.e00  
 shapeinfo: /gisdata/parcel/shape/parcels\_all  
 sdeinfo: PARCELS\_ALL  
 source: COGO  
 status: P obs  
 datatype: L

### PARCELS

layerid: 500  
 frequency: WEEKLY  
 last update: 9/8/2006  
 accuracy: +/- 10 FEET  
 precision: D

| Attribute          | Type | Description  |
|--------------------|------|--|
| ACREAGE            | N8.2 | Parcel acreage over .25 acres (blank if smaller)                             |
| *ADDITION_AREA     | N5   | Remodel/addition area added  |
| ADDRFRAC           | X3   | SanGIS address fraction  |
| ADDRNO             | N10  | SanGIS address number  |
| ADDRUNIT           | X8   | SanGIS address unit  |
| APN                | X10  | Assessor Parcel Number (APN) - 10 digit                                      |
| APN_8              | X8   | Assessor Parcel Number - First 8 digits                                      |
| ASR_IMPR           | N9   | Assessed improvement value   |
| ASR_LAND           | N9   | Assessed land value  |
| ASR_LANDUSE        | N2   | Assessment Land Use Code (Refer to Assessor Info Land Use code)              |
| ASR_TOTAL          | N9   | Total assessed value   |
| ASR_ZONE           | N1   | Assessment zone code (Refer to Assessor Info Zone code)                      |
| *BATHS             | X3   | Number of baths  |
| *BEDROOMS          | X3   | Number of bedrooms   |
| *CARPORT_STALLS    | X3   | Number of carport stalls   |
| DOCDATE            | X8   | Document date  |
| DOCNMBR            | X6   | Document number  |
| DOCTYPE            | X1   | Type of document that recorded this parcel (Refer to MPR Document Type code) |
| FRACTINT           | N8.1 | Fractional interest  |
| *GARAGE_CONVERSION | X1   | Whether the garage has been converted (Y or blank)                           |
| *GARAGE_STALLS     | X3   | Number of garage stalls  |
| LEGLDESC           | X65  | Legal description of parcel  |
| MULTI              | X1   | Multiple parcel indicator (Y = condos or timeshares)                         |
| OBJECTID           |      | System generated key   |
| OVERLAY_JURIS      | X2   | Overlay jurisdiction (Refer to Jurisdiction codes)                           |
| OWN_ADDR1          | X31  | Mailing address, line 1  |
| OWN_ADDR2          | X31  | Mailing address, line 2  |
| OWN_ADDR3          | X31  | Mailing address, line 3  |
| OWN_ADDR4          | X31  | Mailing address, line 4  |
| OWN_NAME1          | X31  | First owner name   |
| OWN_NAME2          | X31  | Second owner name  |
| OWN_NAME3          | X31  | Third owner name   |
| OWN_ZIP            | X9   | Mailing ZIP code   |
| OWNEROCC           | X1   | Owner occupied indicator (Y or blank)  |
| *PAR_VIEW          | X1   | Parcel has view indicator (Y or blank)                                       |
| PARCELID           | N7   | SanGIS internal Parcel ID number   |
| *POOL              | X1   | Pool indicator (Y or blank)  |
| ROADNAME           | X20  | SanGIS road name   |
| ROADPDIR           | X1   | SanGIS road prefix direction   |
| ROADSFX            | X2   | SanGIS road suffix   |
| SHP_ID             |      | System generated internal number   |
| SHP_ID.AREA        |      | System generated area  |
| SHP_ID.LEN         |      | System generated length (n/a)  |
| SITUS_ADDRESS      | N6   | Assessor's site address number   |
| SITUS_BUILDING     | X4   | Site building number   |
| SITUS_COMMUNITY    | X2   | Site community   |
| SITUS_FRACTION     | X3   | Assessor's site address fraction   |
| SITUS_JURIS        | X2   | Site jurisdiction (Refer to Jurisdiction code)                               |
| SITUS_POST_DIR     | X2   | Assessor's site address street post direction                                |
| SITUS_PREDIR       | X2   | Assessor's site address predirection   |
| SITUS_STREET       | X30  | Assessor's site address street name  |
| SITUS_SUFFIX       | X4   | Assessor's site address street suffix  |
| SITUS_SUITE        | X6   | Assessor's site address suite number   |
| SUBMAP             | X11  | Subdivision map number or parcel map number                                  |

## Appendix C –PARCELS Metadata (continued)

|                 |       |   |
|-----------------|-------|---|
| SUBNAME         | X64   | Subdivision name or parcel map number         |
| SUB_TYPE        | N4    | Type of parcel (Refer to Sub_Type codes)      |
| TAXSTAT         | X1    | Tax status code (N = nontaxable, T = taxable) |
| *TOTAL_LVG_AREA | N5    | Total living area                             |
| TRANUM          | X5    | Tax rate area number                          |
| UNITQTY         | X4    | Number of dwelling units                      |
| *USABLE_SQ_FEET | X5    | Parcel usable square feet                     |
| X_COORD         | N38.8 | X coordinate for approximate parcel centroid  |
| Y_COORD         | N38.8 | Y coordinate for approximate parcel centroid  |
| YEAR_EFFECTIVE  | X2    | Effective year for appraisal                  |
| ZIP             | X5    | SanGIS ZIP code                               |

**Notes:**

The attributes with a '\*' before them are the additional attributes that come with the Property Characteristic Product.

Parcel Zone and Land Use codes are used by County appraisers. They are not well maintained and are not considered reliable for other purposes. Please use the landuse layer for this information (supplied to us by SANDAG). Use the zoning layer for zoning in the County unincorporated areas. Contact the appropriate city for other zoning information.

Most of the parcel attributes are joined to SanGIS graphics from County Assessor files and are updated weekly. SanGIS does not enter ownership information. If you detect errors in the attributes, we can pass those along to the Assessor but we cannot make the changes ourselves. We will make corrections to the polygon boundaries and APNs.

The parcel\_all layer now includes condominium records. If you use the identify tool on a condo polygon you will see multiple ownership records displayed for the condo owners. The parcels are also now multi-part. If a parcel is split by a right-of-way for example, the two parts are linked and share attributes.

## Appendix C – PARCELS Metadata (continued)

### SanGIS Code Definitions

#### ASSESSOR INFO LAND USE

|    |                                     |
|----|-------------------------------------|
| 07 | Timeshare                           |
| 09 | Mobilehome                          |
| 10 | Vacant residential                  |
| 11 | Single family residence             |
| 12 | Duplex or double                    |
| 13 | Multiple 2 to 4 units or 2 houses   |
| 14 | Multiple 5 to 15 units (res)        |
| 15 | Multiple 16 to 60 units (com)       |
| 16 | Multiple 61 units and up (com)      |
| 17 | Condominium                         |
| 18 | Co-op                               |
| 19 | Miscellaneous                       |
| 20 | Vacant commercial                   |
| 21 | 1 to 3 story misc. store bldgs      |
| 22 | 4 story & up office/store bldgs     |
| 23 | Regional shopping center            |
| 24 | Community shopping center           |
| 25 | Neighborhood shopping center        |
| 26 | Hotel, motel                        |
| 27 | Service station                     |
| 28 | Offices/medical, dental, veterinary |
| 29 | Rest home/convalescent hospital     |
| 30 | Office condominiums                 |
| 31 | Garage/parking lot/used car lot     |
| 32 | Trailer park                        |
| 33 | Theater                             |
| 34 | Bowling alley                       |
| 35 | Resturant                           |
| 36 | Car wash                            |
| 37 | Grocery/drug store -- lg chain      |
| 38 | Auto sales/service agency           |
| 39 | Radio station/bank/misc.            |
| 40 | Vacant industrial                   |
| 41 | Factory/light manufacturing         |
| 42 | Factory/heavy manufacturing         |
| 43 | Warehouse-processing/storage        |
| 44 | Storage-bulk (tanks, etc)           |
| 45 | Mining & extractive                 |
| 46 | Automotive garages (small)          |
| 47 | Condominiums - industrial           |
| 49 | Miscellaneous industrial/special    |
| 50 | Vacant (water available)            |
| 51 | Citrus                              |
| 52 | Avocados                            |
| 53 | Vines                               |
| 54 | Trees - Miscellaneous               |
| 55 | Livestock                           |
| 56 | Poultry                             |
| 57 | Irrigated crops misc.               |
| 58 | Growing houses                      |
| 59 | Miscellaneous agricultural          |
| 61 | 1-10 acres                          |
| 62 | 11-40 acres                         |
| 63 | 41-160 acres                        |
| 64 | 161-360 acres                       |
| 65 | 360 acres and up                    |
| 70 | Vacant institutional                |
| 71 | Church                              |
| 72 | Church rectory, parking and related |

## Appendix C – PARCELS Metadata (continued)

|    |  |
|----|--|
| 73 | Cemetery                                   |
| 74 | Mausoleum                                  |
| 75 | Mortuary                                   |
| 76 | Public bldg (school, firehouse, library)   |
| 77 | Hospital                                   |
| 78 | Private schools and facilities             |
| 79 | Miscellaneous inst                         |
| 80 | Vacant recreational                        |
| 81 | Meeting hall, gym                          |
| 82 | Golf course                                |
| 83 | Marina, docks                              |
| 84 | Recreational camps                         |
| 85 | Non-taxable (always 985)                   |
| 86 | Open space easements                       |
| 87 | Agricultural preserve (not under contract) |
| 88 | Agricultural preserve (under contract)     |
| 89 | Miscellaneous/special                      |
| 90 | Vacant taxable -- govt owned property      |
| 91 | Improved taxable -- govt owned property    |

### ASSESSOR INFO ZONE

|   |                                 |
|---|---------------------------------|
| 0 | Unzoned                         |
| 1 | Single family residential (R-1) |
| 2 | Minor multiple (R-2)            |
| 3 | Restricted multiple (R-3)       |
| 4 | Multiple residential (R-4)      |
| 5 | Restricted commercial           |
| 6 | Commercial                      |
| 7 | Industrial (M zone)             |
| 8 | Agricultural                    |
| 9 | Special and/or misc.            |

### JURISDICTION

|    |                |
|----|----------------|
| CB | Carlsbad       |
| CN | Unincorporated |
| CO | Coronado       |
| CV | Chula Vista    |
| DM | Del Mar        |
| EC | El Cajon       |
| EN | Encinitas      |
| ES | Escondido      |
| IB | Imperial Beach |
| LG | Lemon Grove    |
| LM | La Mesa        |
| NC | National City  |
| OC | Oceanside      |
| PW | Poway          |
| SD | San Diego      |
| SM | San Marcos     |
| SO | Solana Beach   |
| ST | Santee         |
| VS | Vista          |

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## Appendix C – PARCELS Metadata (continued)

### **MPR\_DOCUMENT\_TYPE**

|   |   |
|---|---|
| 0 | Unresearched                                  |
| 1 | Grant deed                                    |
| 2 | Quit claim                                    |
| 3 | Unrecorded deed                               |
| 4 | Recorded death certificate                    |
| 5 | Unrecorded death certificate                  |
| 6 | Other types recorded document (Trustees deed) |
| 7 | Unknown                                       |
| 8 | Recorded contract                             |

### **SUB\_TYPE**

|   |                                |
|---|--------------------------------|
| 1 | Regular parcel with APN number |
| 2 | Unparcelled Private Road       |
| 3 | Unparcelled Government Land    |
| 4 | Unparcelled Common Area        |
| 5 | Right-of-Way                   |