



SANTA CLARA VALLEY HABITAT AGENCY

Spatial Data Submittal Requirements for the Santa Clara Valley Habitat Agency November 6, 2015

This document provides the minimum specifications for spatial data that may be submitted to the Habitat Agency GIS.

1. GIS Software

The Habitat Agency utilizes esri's ArcGIS suite of software. All spatial data submitted to the Agency must be compatible with this software. Currently, the Agency utilizes version 10.3.1 of the software. Spatial data that is not compatible with ArcGIS software will not be accepted.

2. Basemap

The Habitat Agency GIS utilizes a parcel basemap supplied by the County's Information Services Department. Where appropriate, data will be aligned to this basemap; however, data that is more positionally precise will not, provided the details of its superior precision are well documented.

3. Projected Coordinate System

The Habitat Agency uses the California State Plane Coordinate System for Zone 3 using the NAD 1983 datum. It is preferred that all spatial data submitted utilize this projected coordinate system. However, other coordinate systems (either projected or geographic) may be acceptable provided the spatial reference is well documented, either as projection files, or some other form of documentation. Spatial data not utilizing a documented coordinate system will not be accepted.

4. Metadata

All submitted spatial data must contain metadata, or it will not be accepted. Metadata shall be either an integral component of the GIS files, or as separate Word or pdf documents. At a minimum, metadata shall include:

- a. spatial reference information (projection and coordinate system).
- b. a narrative describing what the data represent (e.g., roads, creeks, areas, boundaries, etc). If CAD data, then the polyline/polygon types need a legend describing what the types represent.
- c. a brief narrative describing the nature of the development project which the spatial data models; a project description.
- d. Contact information, including name, address, email, phone number of people who are knowledgeable about both the data and the specifics of the development project.

- e. Any project file numbers or other identifying information to relate the data to the development project.
- f. How the data was captured (e.g., aerials, gps, field survey, etc.)
- g. Any other relevant information useful for GIS analysis and integration.

5. Spatial Data Format

a. The preferred spatial data formats are either shapefiles or esri's personal (.mdb) /file (.gdb) geodatabases. Layer files (.lyr) which apply symbology to the data are greatly appreciated, as are Layer Package files (.lpx) which provides both data and symbology packaged together.

b. CAD files may be submitted provided the projected coordinate system is documented and linetypes are explained. CAD files will not be accepted if they do not contain this information. CAD file See metadata requirements.

c. Tiff or pdf documents of sufficient detail with enough parcel boundary information to be able to georeference the images to the Agency's parcel layer.

For More Information

HCP GIS data may be downloaded as shapefiles by clicking this link:

http://gisdata.sccplanning.opendata.arcgis.com/datasets?q=hcplayers&sort_by=name&sort_order=asc

For users of AutoCAD we strongly recommend downloading and installing the free plug-in application for AutoCAD that allows you to access and create GIS data. More information may be found here:

<http://www.esri.com/software/arcgis/arcgis-for-autocad>

Once downloaded and installed, the AutoCAD user may connect to the HCP GIS Data as a service by pointing to this location:

<http://sccplanning.maps.arcgis.com/home/item.html?id=ca7dbf31edab4f679b45f1ac80f53170>

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