

**G. I. S. ACTIVITY DESCRIPTION****(Environmental Services)****DESCRIPTION:**

The Geographic Information System (GIS) provides digital geographic information analysis and mapping support for a variety of City functions. The GIS provides services to the public and other jurisdictions and features a public access GIS. The GIS program also maintains updates of a variety of City databases and records including but not limited to: Parcel ownership, easements, building activity, stormwater utility information, wetlands, zoning, historical sites, and water quality information.

**PROGRAM CHANGES:**

None

**ACCOMPLISHMENTS:**

1. Created GIS mobile device collection applications to update sewer, water, and stormwater infrastructure.
2. Continuing to provide spatial analysis and mapping support for Humboldt Bay Trail – North.
3. Providing 3D graphics and analysis of proposed features for the AWWTP Upgrade/Modification.
4. Provided GIS analysis for real property acquisitions and grant funding.
5. Working with Public Safety Task force providing GIS Hot Spot analysis of crimes by year.
6. Completed Long Term Drainage Maintenance Sites for the City.
7. Added sewer lateral connections to the sewer infrastructure geodatabase based on all available sewer camera reports.
8. 1556 City of Arcata maps have been downloaded by users world wide from Avenza's Map Store.
9. Provided mapping support for 13 grant applications for various City departments.
10. Continuing to provide GIS mapping and analysis in context to Sea level rise and Arcata's Local Coastal Program
11. Maintained monthly geocoded traffic accident geodatabase and providing maps for APD, Public Works and the Transportation Safety Committee.
12. Completed several public mapping service requests.

**GOALS:**

1. Continue to improve GIS services for City staff and public.
3. Provide GIS support and training for all City departments.
4. Develop strategies to integrate Land Use Planning and permitting with the GIS parcel based system.
5. Provide mapping services for public meetings via community access.
6. Cooperate with local jurisdictions in regards to data sharing.
7. Continue to digitize all City survey maps, parcel maps, subdivision maps, and improvement plans and make available via GIS Kiosk.
8. Create more field GIS mobile device collection applications that sync and update City Hall GIS geodatabases.
9. Develop more public and internal web GIS applications that have a focused goal or enrich users' experience through map applications like Story Maps.
10. Convert old NTMP GIS project files to the newest format.
11. Acquire Color 3" ground pixel resolution orthophotography for the full extent of the City.
12. Start city-wide mapping of all water meters by deploying custom ArcGIS Collector mobile mapping application.
13. Create raster and vector basemaps tile datasets for rapid displays in mobile and web applications.
14. Converting GIS file geodatabases to enterprise SQL server database to further enhance City services and extent mobile field collection.

## BUDGET OVERVIEW

APPROPRIATIONS	Actual 2014-15	Actual 2015-16	Estimated 2016-17	Budget 2017-18
Personnel	44,023	29,101	29,614	27,644
Materials and Services	13,164	17,295	18,488	29,025
Debt Service/Lease Payments	-0-	-0-	-0-	-0-
Capital Outlay	-0-	-0-	-0-	-0-
Grant Programs	-0-	-0-	-0-	-0-
Gross Budget	57,187	46,396	48,102	56,669
Charges to Other Departments	(26,790)	(19,900)	(20,240)	(22,980)
Net Budget	30,397	26,496	27,862	33,689

## FUNDING SOURCES (see descriptions in Appendix D)

OPERATING:				
General Fund (101)	28,936	25,272	26,362	32,189
GIS Map Fees (101)	1,461	1,224	1,500	1,500
PROJECT/CAPITAL OUTLAY:				
General Fund (101)	-0-	-0-	-0-	-0-
	30,397	26,496	27,862	33,689

**GEOGRAPHIC INFORMATION SYSTEM****Activity #****79****PERSONNEL**

Account Number	DESCRIPTION	2017/18		
		Department Proposed	Manager Proposed	Council Approved
101-60-79-50100	REGULAR SALARIES	13,771	13,771	13,771
101-60-79-50200	OVERTIME WAGES	-0-	-0-	-0-
101-60-79-50300	PART-TIME AND TEMPORARY SALARIES	1,250	1,250	1,250
101-60-79-50990	EMPLOYEE BENEFITS	12,948	12,623	12,623
<b>TOTALS</b>		<b>\$27,969</b>	<b>\$27,644</b>	<b>\$27,644</b>

**POSITION TITLES**

Director Environmental Services	0.02	0.02	0.02
GIS Coordinator	0.16	0.16	0.16
Administrative Assistant	0.01	0.01	0.01
GIS Specialist	0.05	0.05	0.05
<b>Total Full-time Equivalents</b>	<b>0.24</b>	<b>0.24</b>	<b>0.24</b>

## MATERIALS AND SERVICES

Account Number	DESCRIPTION	2017/18		
		Department Proposed	Manager Proposed	Council Approved
101-60-79-51200	COMMUNICATIONS	250	250	250
101-60-79-51400	TRAINING, CONFERENCES AND MEETINGS	800	800	800
101-60-79-51770	OTHER PROFESSIONAL SERVICES	10,000	10,000	10,000
101-60-79-53100	POSTAGE	50	50	50
101-60-79-53200	PHOTOCOPY	150	150	150
101-60-79-53300	OFFICE SUPPLIES	1,350	1,273	1,273
101-60-79-54200	OTHER DEPARTMENTAL SUPPLIES	800	800	800
101-60-79-55300	EQUIPMENT MAINTENANCE	8,500	8,500	8,500
101-60-79-55500	CENTRAL GARAGE CHARGES	2,418	2,418	2,418
101-60-79-55800	IT SERVICES & MAINTENANCE	4,784	4,784	4,784
<b>TOTALS</b>		<b>\$29,102</b>	<b>\$29,025</b>	<b>\$29,025</b>

# GEOGRAPHIC INFORMATION SYSTEM

Activity #

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## CHARGES TO OTHER DEPARTMENTS

Account Number	DESCRIPTION	2017/18		
		Department Proposed	Manager Proposed	Council Approved
101-00-00-46990	General Administration	(23,110)	(22,980)	(22,980)
Total		(\$23,110)	(\$22,980)	(\$22,980)