

**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 custom ArcGIS Collector mobile mapping application to map City water meters.
2. Completed a GIS web application that can query parcels for completed sewer lateral applications
3. Provided mapping support for 6 grants for various departments' applications.
4. 2,802 City of Arcata maps have been downloaded by users worldwide from Avenza's Map Store.
5. Completed GIS Story map of Arcata City Trails, Explore Arcata!, and 75 years of Landscape Change in Arcata. Provided GIS analysis for 10 grant applications for various City departments.
6. Completed GIS Story map of King Tide Community Observation and incorporating crowd sourced photos of King tides around Arcata
7. Scanned georectified several different years of aerial photos and historic maps to enhance the City's aerial library.
8. Provided GIS analysis for real property acquisitions and grant funding.
9. Continuing to provide spatial analysis and mapping support for Humboldt Bay Trail – North.
10. Continuing GIS analysis and mobile mapping of the City's Storm water infrastructure for the City's MS4 Storm water program.
11. Acquired of Color 3" ground pixel resolution orthophotography for the City

**GOALS**

1. Trained staff for use of mobile GIS applications.
2. 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. Continue raster and vector basemaps tile datasets for rapid displays in mobile and web applications.

**BUDGET OVERVIEW**

<b>APPROPRIATIONS</b>	<b>Actual 2015-16</b>	<b>Actual 2016-17</b>	<b>Estimated 2017-18</b>	<b>Budget 2018-19</b>
Personnel	29,101	29,446	27,644	<b>28,457</b>
Materials and Services	17,295	16,728	29,025	<b>22,221</b>
Debt Service/Lease Payments	-0-	-0-	-0-	<b>-0-</b>
Capital Outlay	-0-	-0-	-0-	<b>-0-</b>
Grant Programs	-0-	-0-	-0-	<b>-0-</b>
	<b>Gross Budget</b>	<b>46,396</b>	<b>46,174</b>	<b>56,669</b>
	<b>Charges to Other Departments</b>	<b>(19,900)</b>	<b>(20,240)</b>	<b>(22,980)</b>
	<b>Net Budget</b>	<b>26,496</b>	<b>25,934</b>	<b>33,689</b>
				<b>30,158</b>

**FUNDING SOURCES** (see descriptions in Appendix D)

## OPERATING:

General Fund (101)	25,272	25,391	32,189	<b>28,958</b>
GIS Map Fees (101)	1,224	543	1,500	<b>1,200</b>
PROJECT/CAPITAL OUTLAY:				
General Fund (101)	-0-	-0-	-0-	<b>-0-</b>
	<b>26,496</b>	<b>25,934</b>	<b>33,689</b>	<b>30,158</b>

**PERSONNEL**

Account Number	DESCRIPTION	2018/19		
		Department Proposed	Manager Proposed	Council Approved
101-60-79-50100	REGULAR SALARIES	14,094	14,094	14,094
101-60-79-50200	OVERTIME WAGES	-0-	-0-	-0-
101-60-79-50300	PART-TIME AND TEMPORARY SALARIES	1,330	1,330	1,330
101-60-79-50990	EMPLOYEE BENEFITS	13,393	13,033	13,033
<b>TOTALS</b>		<b>\$28,817</b>	<b>\$28,457</b>	<b>\$28,457</b>

  

<b>POSITION TITLES</b>				
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 (Part-time)		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	2018/19		
		Department Proposed	Manager Proposed	Council Approved
101-60-79-51200	COMMUNICATIONS	216	216	216
101-60-79-51400	TRAINING, CONFERENCES AND MEETINGS	800	800	800
101-60-79-51770	OTHER PROFESSIONAL SERVICES	-0-	-0-	-0-
101-60-79-53100	POSTAGE	50	50	50
101-60-79-53200	PHOTOCOPY	150	150	150
101-60-79-53300	OFFICE SUPPLIES	1,350	1,350	1,350
101-60-79-54200	OTHER DEPARTMENTAL SUPPLIES	800	800	800
101-60-79-55300	EQUIPMENT MAINTENANCE	10,000	10,000	10,000
101-60-79-55500	CENTRAL GARAGE CHARGES	2,686	2,686	2,686
101-60-79-55800	IT SERVICES & MAINTENANCE	6,169	6,169	6,169
<b>TOTALS</b>		<b>\$22,221</b>	<b>\$22,221</b>	<b>\$22,221</b>

**CHARGES TO OTHER DEPARTMENTS**

Account Number	DESCRIPTION	2018/19		
		Department Proposed	Manager Proposed	Council Approved
101-00-00-46990	General Administration	(20,580)	(20,520)	(20,520)
	<b>Total</b>	<b>(\$20,580)</b>	<b>(\$20,520)</b>	<b>(\$20,520)</b>