

Public Mapping Applications

Current Status And Road Ahead...

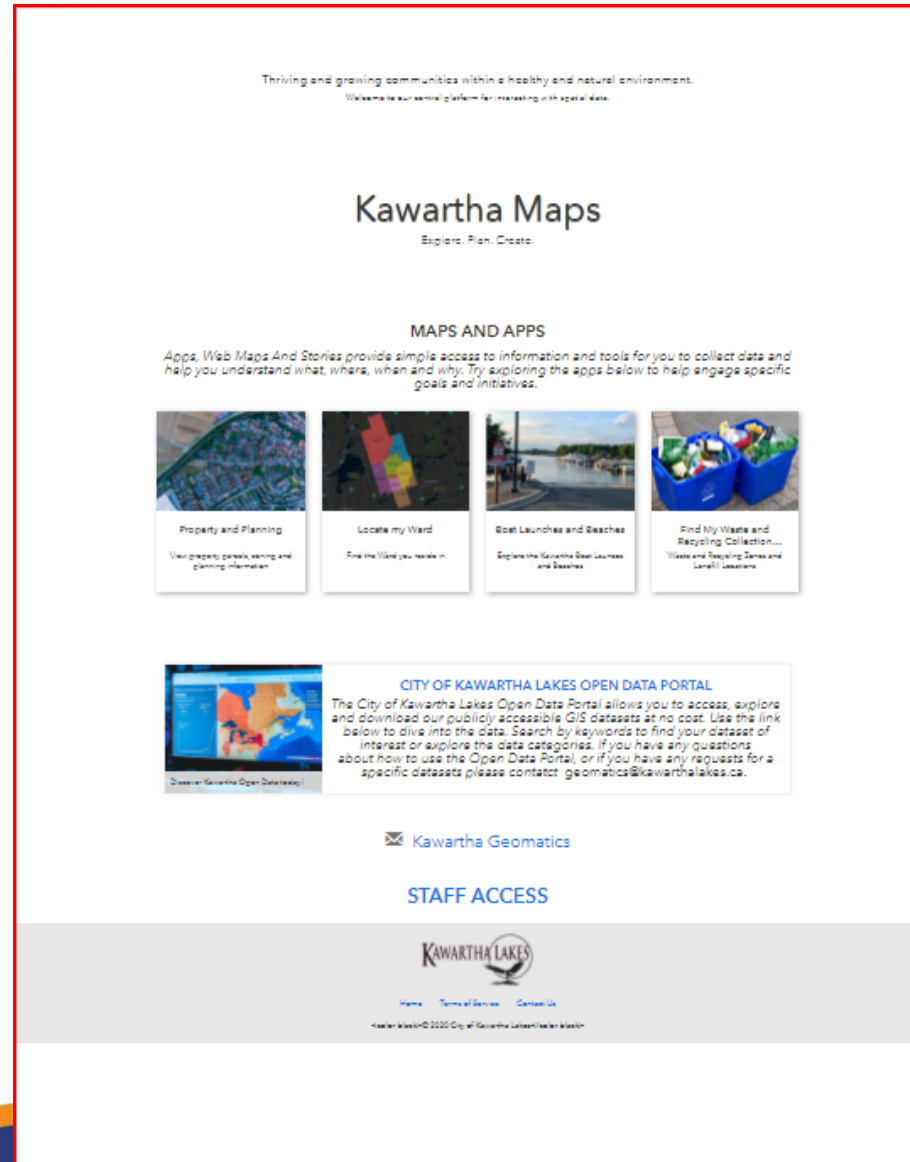
February 9th 2021

A very brief history...

- An assessment done in 2014 indicated Kawartha Lakes was approximately 10 years behind similar municipalities in Southern Ontario in terms of the ability to deliver basic GIS and Mapping services to the Public
- As a result of this assessment, the GIS division committed to building the infrastructure necessary to support public GIS and mapping services
- In 2019 we began live testing of mapping services with select users
- Several mapping services were 'soft launched' in early 2020 to test the systems

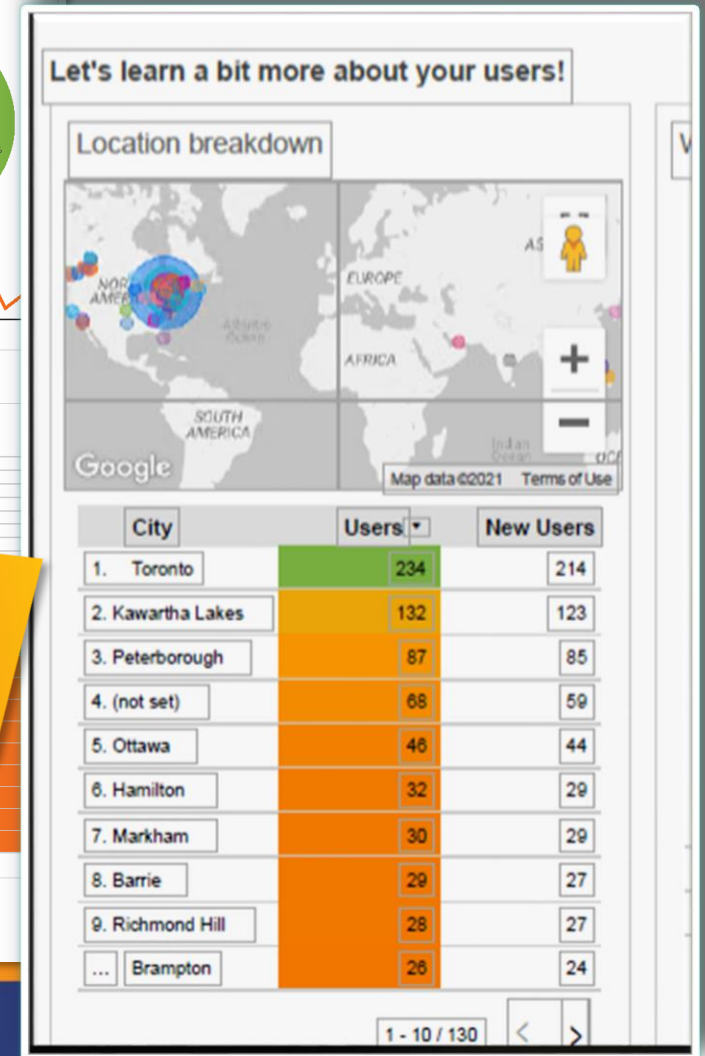
Current Status

- In May 2020 we released our Geo-Hub front page
- Our Open Data initiative
- Public launch of City's GIS services started in 2020* and continuing through 2021



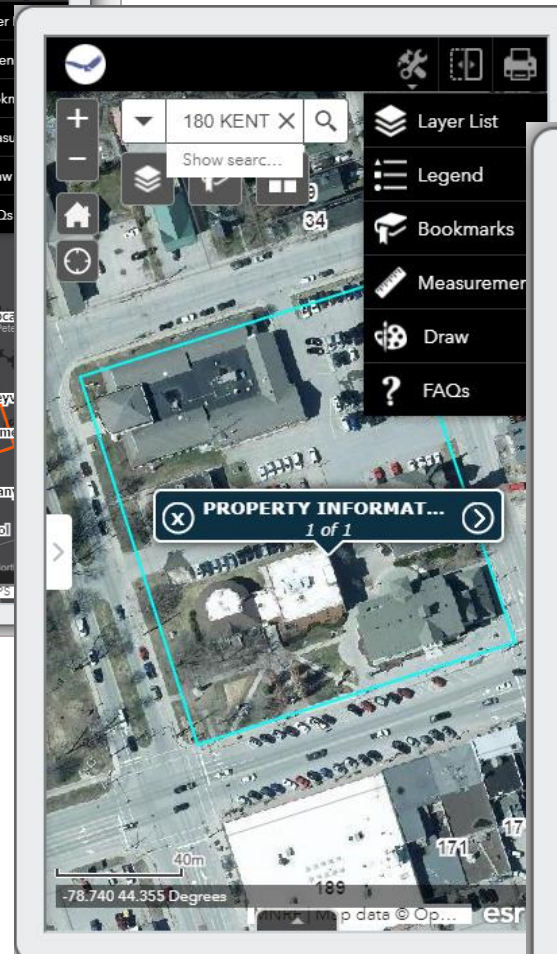
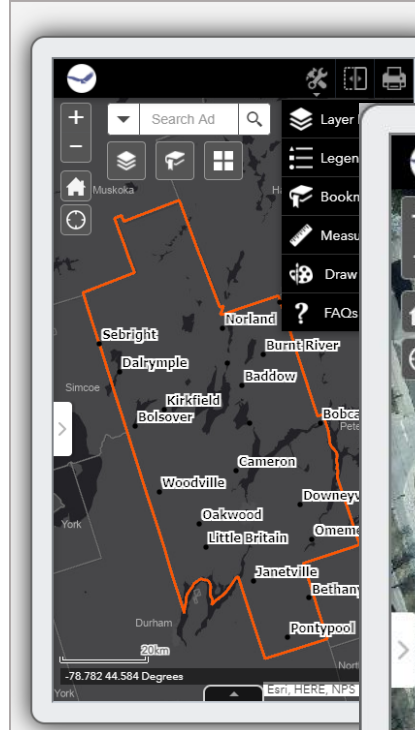
Getting to know our clients...

- All our applications are run through Google Analytics which provides us with a 'deep dive' at who's using our services *and why**
- By far the most popular service we have to date is the [Planning And Property App](#)



Takeaways so far...

- Application user locations for last 1 months...
 - 22% from GTA
 - 12% from Kawartha Lakes
 - ~65% from elsewhere **
- Categories of Interest by follow up inquiry – top 5 ***
 1. Real Estate (living, investing, buying)
 2. Telecom and related business's
 3. Planning Related (Property Owners)
 4. Recreation
 5. "Just curious..."



1 of 1

PROPERTY INFORMATION

NOT FOR COMMERCIAL USE
NOT TO SURVEY GRADE

Location:
180 KENT ST W
Roll#
165101000203700
PIN
632230174
Legal Description:
TOWN PLAN LOTS 11 12 and 13 N;KENT ST W LOTS 11 12 13 S;PEEL ST W
Legacy Township
NA
Ward
5

GENERALIZED ZONING*

ZONE TYPE*
Community Facility
ZONE NAME*
Community Facility
ZONE BYLAW*
Town of Lindsay Zoning By-Law 2000-75

*Zoning Generalised By Lot.
[Contact Planning](#) And Refer To Specific Zoning Bylaw For Details and Legal Description.

[CONTACT PLANNING FOR DETAILS](#)

Kawartha Lakes


```

239 # Get / Print Field Data
240 fields = arcpy.ListFields(OutFeatureClass)
241 fieldCount = len(fields)
242 #print("There are " + str(fieldCount) + " fields in " + OutFeatureClass)
243 # for field in fields:
244 # print("Field " + field.name + " is type: " + field.type)
245 # Create field list for updates
246 #NullStringFields = ['Zone_Code', 'Zone_Name', 'Zone_Type', 'ZoningBylaw', 'COUNT']
247
248 # set variables
249 x, z, c = 0, 0, 0,
250 fieldText = "NA - Contact Planning"
251 NullStringFields = ['Zone_Code', 'Zone_Name', 'Zone_Type', 'ZoningBylaw', 'COUNT']
252 start = time.perf_counter()
253 with arcpy.da.UpdateCursor(OutFeatureClass, NullStringFields) as curU:
254     for row in curU:
255         updated = False
256         for idx, value in enumerate(NullStringFields):
257             #field index for COUNT is [4] in NullStringFields - this field is type 'Double' so
258             if (idx == 4) and (row[idx] is None):
259                 row[idx] = 999
260                 updated = True
261                 x += 1
262             elif (idx != 4) and (row[idx] is None): #for all other rows, they are string so
263                 row[idx] = fieldText
264             if updated:
265                 curU.updateRow(row)
266 del curU
267 stop = time.perf_counter()
268 print( f"Processed NULL fields in {stop - start:0.4f} seconds ")

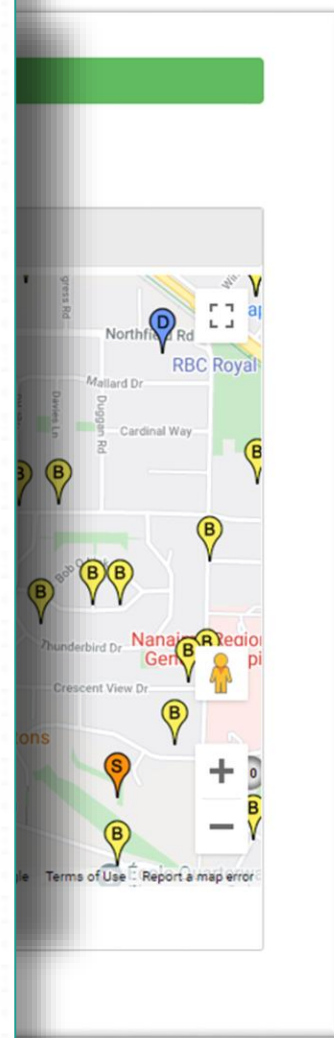
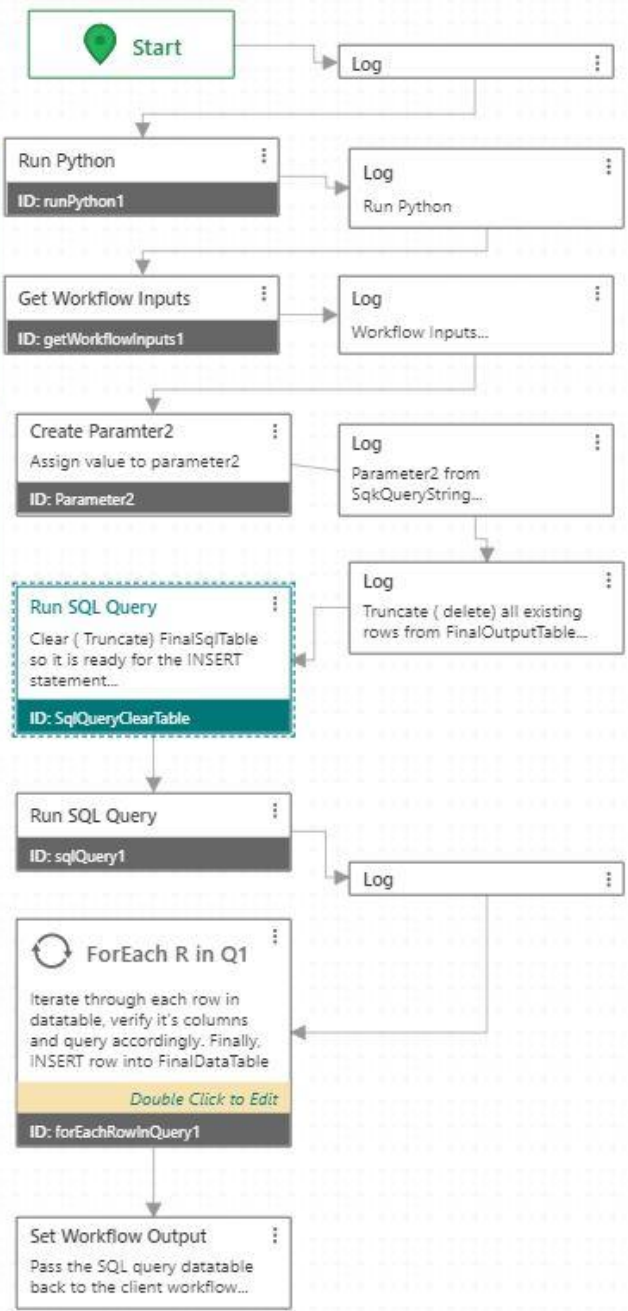
```

- Easy to use and readily accessible public applications
- The user should never be expected to learn **how GIS works**, it just does... ➔

Users by

Run Python
 This activity is obsolete but I left it here as a reminder to follow up again with support as to why this does not work. I've tried everything from <https://communities.geocortex.com/s/question/0D5f200006Ya9n9CAB/run-python-activity-basic-example-needed-to-no-avail>.

Create Parameter2
 Assign value to parameter2 - this is the original SQL string with a subtraction of the first 35 characters of the string. This is to be used in sql queries 2 and 3



Final Notes...

- A GIS assessment carried out in September 2020 by ESRI Canada scored Kawartha Lakes in the top 10% of similar municipalities across Ontario (Local Government with Population of 50,000 – 100,00) in terms of overall GIS capability (internal and external services).
- A critical note of recognition to my GIS colleagues at the City - Emma Hollinger and Carrie Sherk - for the diligent, creative and always challenging goals you set for yourselves – and always surpass - in representing and advancing the best interests of the City of Kawartha Lakes.

Thank You.