**Dave & Buster’s Potential Suitable Sites within the**

**City of Greater Sudbury**

This project aims to identify potential suitable sites for the construction of a Dave & Buster’s

entertainment center/restaurant in the City of Greater Sudbury. The process involved advanced GIS

spatial analysis, buffering, reclassification, merging datasets, and creating a final web app for

visualization.

1. **Data Collection** – Imported relevant shapefiles and raster datasets including DEM,

Hotels\_Motels, Floodplain, Parcels, and Census data.

2. **Reclassification & Selection** – Used Select by Attributes and Reclassify tools to identify target gridcodes, zoning, and population blocks.

3. **Buffer Analysis** – Created buffers for Hotels/Motels and Floodplain to consider proximity factors.

4. **Merging & Dissolving** – Combined relevant datasets using Merge and Dissolve tools to unify

features.

5. **Union & Criteria Selection**– Performed multi-layer union operations to integrate

datasets and apply scoring criteria.

6. **Final Site Selection** – Used Select by Location to identify

parcels meeting all criteria (size, zoning, proximity).

7. **Visualization** – Created a final map layout

with inset map and a web app including the Dave & Buster’s logo.

The analysis identified potential sites that meet the zoning, size, and location requirements for the

entertainment center. These sites were visualized in ArcGIS Pro and shared as a web application for

stakeholder review.

This project demonstrates the power of GIS in urban planning and site suitability analysis. By

integrating multiple spatial datasets and applying geoprocessing tools, we successfully narrowed down

possible locations for the project.