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Using ArcGIS Pro for a U.S. Embassy site suitability study: Douala, Cameroon

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The Bureau of Overseas Building Operations wants to know the ideal location for a U.S. Embassy in the Douala, Cameroon. The suitability for the U.S. Embassy location will be determined from feature layer data acquired from ArcGIS Online. The ideal location will be accessed through vacant parcels and industrial sites, points of interest, vulnerabilities to natural hazards, social and economic issues, and a SWOT (Strengths, Weaknesses, Opportunities, Threats) analysis. Through ArcGIS Pro, I have built a geodatabase from the feature layers acquired through ArcGIS Online. By running the various data through the spatial analysis and network analysis tools, I will be capable to determine the ideal location for a U.S. Embassy. The different data sets and analysis tools will generate several outcomes that have been illustrated in maps. The analysis will help determine the proximity to different vulnerabilities, distance from points of interest, optimized routes, and Model Builder is utilized to illustrate the results. The expected result is a location that is far from gun ranges and known violent areas, near four- and five-star hotels, near grocery stores, a large enough space for a large building, appropriate building zoning, near a hospital, near public transport, and several other factors. In conclusion, the best location for a U.S. Embassy in Douala, Cameroon away from flooding zones and in a vacant parcel that is within drive or walk times with economic and social area.