

PropertyDreamZ.com has used various data sources for geospatial analysis of the location. Our analysis contains many map intelligence features and livability indices up to a neighborhood level, which help the buyer/seller/developer/investor in making an informed wise investment decisions.

The analysis has been carried out based on the following:

1. UNDP guidelines which will let us know the combination of Built-up land and Natural Resources % with regard to the Real Estate Sector. Also demographic, socio-economic, knowledge base indices have been developed/derived using the norms of UNDP (United Nations Development Program).
2. Urban Development Plans Formulation and Implementation (UDPFI). This body works according to the norms of UN-Habitat.
3. World Health Organization (various risk parameters and indices (Air Quality Index, Water Quality Index, Noise Index etc.) have been derived using the procedures and levels prescribed by WHO).
4. URBANISM (Indices developed under "Transportation and Infrastructure" are taken from various urban studies)
5. Prominent works on urban environmental analysis studies conducted by prominent authors / from standard journals have been taken into consideration
6. United States Geological Survey (USGS), Meteorological Department, Seismology information has been taken into consideration for the creation of natural risks assessment.

Category	Layers	Sub Layers	Data Source
1. Urban Composition	1.1 Natural	1.1.1 Green Spaces	Details have been captured from High resolution satellite imagery (HRSI) interpretation using Remote Sensing techniques.
		1.1.2 Water Bodies	
	1.2 Open Spaces		
	1.3 Built Up		
2. Risk Zones	2.1 Socio-Economic	2.1.1 Crime	Crime analysis has been done from the various sources. NeighborhoodScout reveals the safety from crime for every neighborhood in America, and shows you how each neighborhood compares to other neighborhoods nationwide, so you can make good decisions for your family or your company's location needs. Also captured the info from Seattle.gov and seattleglobalist sites.
	2.2 Natural	2.2.1 Floods	Information has been captured from US Global Change Research Program. Impacts of sea level rise on Seattle, WA have been captured from analysis carried out by Daniel from Brown University.
		2.2.2 Cyclones	Captured the details from weather Radar maps

		2.2.3 Earth Quakes	<p>Captured the details from Seattle's Most Trusted Earthquake Retrofitting Contractor. Sound Seismic has been Seattle's best trained seismic retrofit contractor since 1999.</p> <p>Also captured details from Seattle.gov site and from "Washington state department of natural resources" body.</p>
		2.2.4 Tsunami	<p>Capture the details from "Seattle city GIS map portal" & from "Washington state department of natural resources" body.</p>
		2.2.5 Landslides	<p>Capture the details from "Seattle city GIS map portal", "Washington state department of natural resources" body, Seattle.gov site & from USGS (United State Geological Survey) landslide hazards analysis.</p>
2.3 Industrial			<p>Details have been captured from High resolution satellite imagery (HRSI) interpretation using Remote Sensing techniques.</p>
2.4 Environmental	2.4.1 Air Pollution		<p>Details have been captured based on the WHO (World Health Organization) guidelines from US Environmental Protection Agency, Seattle.gov site, Puget Sound Sage research body & Puget Sound Clean Air Agency.</p>
	2.4.2 Noise Pollution		<p>Details have been captured based on the WHO (World Health Organization) guidelines from Seattle Department of Transportation; Research Articles published in "seattleweekly", "geekwire" & from Seattle.gov sites.</p>
	2.4.3 Solid Waste Management		<p>Details have been captured based on the Seattle Public Utilities dept. of Seattle govt. body.</p>

3. Growth Centres			Growth Centre analysis has been carried out based on the existence of the Institutional bodies, Commercial zones, Industrial pockets, Transportation facilities, Leisure/Entertainment bodies & Residential pockets etc. Most of these details has been captured from HRSI (High Resolution Satellite Imagery), Google POI's (Point of Interest) etc.
4. Demographic & Socio-Economic	4.1 Demographic Index		The socio-economic and employment census and statistics have been collected from the Govt. of Seattle website and US Census bureau.
	4.2 Socio-Economic Index		
	4.3 Knowledge Base Index		<p>The location information pertaining to schools/colleges/Universities have been digitized from the geo-referenced high resolution satellite image of 60cm spatial resolution.</p> <p>The student census and statistics have been collected from the Govt. of Seattle and US Census website.</p>
5. Infrastructure			<p>The information has been digitized from the geo-referenced high resolution satellite image of 60cm spatial resolution.</p> <p>UNDP guidelines have been followed to generate the map themes rating the neighborhoods on the basis of availability of infrastructure for a given unit population</p> <p>Information collected from World Bank project details also used as a reference and to fill the gaps wherever necessary.</p>
6. Transportation			The information has been digitized from the georeferenced high resolution satellite image of 60cm spatial resolution.
7. Natural favorability	7.1 Geology		The data has been collected from the USGS (United States Geological Survey) website
	7.2 Ground Water		The data has been collected from the Access Washington's (Science, Data and Publications) web portal