

Proposed Wal-Mart Supercenter Analysis Form Assessment

Examine the **4 proposed locations** for developing a new Wal-Mart Supercenter using the Google Earth file: **Wal-Mart sites.kml**. Respond to each item for all 4 locations in the chart below. After you have completed the chart, **recommend the best location** to develop a new Wal-Mart Supercenter.

	Location A	Location B	Location C	Location D
Describe the current land use of the proposed site? (What does the land area look like?)	Farmland. Agricultural area.	Primarily a cleared, dirt area with some patches of trees.	Primarily a cleared, dirt area.	Farmland. Agricultural area.
What natural features are in the area?	A wooded area is just south of the location. The residential area north of the site contains large grassy areas and small wooded areas.	A few tree stands.	A river is located .25 miles away from the site. There are a few trees near the site.	There are some wooded areas around the perimeter of the location. A river is located less than a mile from the site.
What man-made features are in the area?	Roads, fallow and cultivated fields, houses, and barns.	A highway (I-78), a major road (412), a nearby residential area, a town south of the highway, a city to the northeast (1 mile), and a large industrial area north of the site.	Many office complexes and industrial buildings are near the site. A highway interchange (I-22) with a major road is 1.5 miles away. A dense urban area surrounds the site.	Roads, fallow and cultivated fields, and houses in a residential area.
Describe the nearby population areas . (Can people walk to the site? How far away are residential communities?)	There are two very small residential areas near the site. One immediately north and one southwest. A small population center is located 2.4 miles southeast from the site.	Many people would be able to walk to the site from a nearby residential area, from the town south of the highway and from the city to the northeast (1 mile).	A dense urban area surrounds the site. Many people would be able to walk to the site. The nearest residential area is .5 miles from the site.	A residential area is located .6 miles southwest of the site. A small population center is located 4.5 miles southwest from the site.

Describe the existing infrastructure . (Are there existing roads and commercial or business areas near the location).	Route 309, a major road is located next to the site. There are no commercial areas near the location. The site is located in a rural area.	A highway (I-78) interchange with a major road (412) is located .5 miles away from the site. There are stores located at the highway interchange.	There are many existing roads and industrial areas near the location.	Route 611, a major road is located .4 miles from the site. There are no commercial areas near the location. The site is located in a rural area.
Describe new infrastructure that will be needed for this site. (Will new roads need to be built? Do you think the site has easy access to water and electricity?)	New roads will not be needed since the site is located next to Route 309. Water and electricity lines will likely need to be constructed.	A new road will need to be constructed to move people from 412 to the site. Water and electricity lines will likely need to be constructed.	Not much new infrastructure for water and electricity will be needed for this location. No new roads will need to be built.	New roads will be needed. Water and electricity lines will likely need to be constructed.
Describe the positive impacts of the site location. (What are the benefits and advantages of having a Wal-Mart at this location?)	A Wal-Mart at this location will provide shopping access to many residents in an extended rural area. These people will not have to travel as far to do their shopping.	A Wal-Mart at this location will provide shopping access to many residents in an urban and suburban area. These people will not have to travel as far to do their shopping and many could walk. Easy highway access.	A Wal-Mart at this location will provide shopping access to many residents in a dense area. These people will not have to travel as far to do their shopping and many could walk. Nearby highway access.	A Wal-Mart at this location will provide shopping access to many residents in an extended rural area. These people will not have to travel as far to do their shopping.
Describe the negative impacts of the site location. (What are the disadvantages of having a Wal-Mart at this location?)	A Wal-Mart at this location will convert an agricultural area to a large impervious surface. The landscape will change resulting in environmental consequences such as altering water runoff patterns, habitat destruction, and heat island effects.	Some trees will need to be removed. The landscape will change resulting in environmental consequences such as altering water runoff patterns, some habitat destruction, and some heat island effects.	A few trees may need to be removed. The landscape will change resulting in environmental consequences such as altering water runoff patterns, some habitat destruction, and some heat island effects. Construction may impact the river ecosystem.	A Wal-Mart at this location will convert an agricultural area to a large impervious surface. The landscape will change resulting in environmental consequences such as altering water runoff patterns, habitat destruction, and heat island effects.

The **best site** that will have minimal impact on the environment is: Location B or C