



This map displays the results of the Smart Growth for Dallas Absorb and Protect combined priorities. This objective is designed to identify areas to help absorb rainfall, reduce flooding, and recharge drinking water supplies while saving energy for water management through water-smart parks, playgrounds, green alleys and other green infrastructure projects. This objective also identifies areas to protect vulnerable infrastructure, neighborhoods, and residents from riverine flooding.

Both Absorb and Protect were treated as separate sub-objectives within this larger objective to better manage water resources. Each has its own set of criteria that were weighted to create a stacked benefit result for Absorb and Protect separately. These two sub-objective stacked benefit results were then combined using a weighted max to produce an Absorb and Protect combined priorities result. That result is shown on this map, with areas in orange reflecting moderate priority, areas in dark orange classified as high priority and those in red classified as very high priority. Green infrastructure interventions in these areas can be expected to help reduce the impacts of stormwater and support management of water resources.

The Absorb sub-objective stacked benefit result was created using a weighted max on the following criteria and weights designated by this objective's technical advisory committee:

- Reduce stormwater runoff (26%)
- Improve water quality (14%)
- Reduce stormwater discharge from parking lots (17%)
- Enhance existing roadside GSI (17%)
- High percent impervious surface by watershed (17%)
- Localized water sinks (9%)

The Protect sub objective stacked benefit result was created using a weighted max on the following criteria and weights:

- Protect wetlands, waterbodies, and streams (34%)
- Preserve floodways & floodzones (21%)
- Protect escarpment areas (19%)
- Restore natural land cover near waterbodies (26%)

For more information about the analysis methodology for the Smart Growth Dallas project visit:
https://web.tplgis.org/Smart_Growth_Dallas/

Absorb and Protect priorities

SMART GROWTH FOR DALLAS

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