

Guide for Navigating the Purple Air Sensor Map

Introduction

The Air Quality - Purpleair Map Link in the City of Double Horn website opens a map of the City and surrounding area on the Purple Air website. The City uses four (4) Purple Air sensors to monitor air quality. Each sensor is labeled according to its nearest street intersection or its owners and street. The sensor labeled “VVT@OM” is located near the intersection of Vista View Trail and Oak Meadow Trail, the sensor labeled “CT@HPT” is located near the intersection of Cross Trail and High Plains Trail, the sensor labeled “WLR@VVT” is located at Vista View Trail between Oak Meadow Trail and Creekside Trail, and the sensor labeled “HSS@SET” is located at Southeast Trail near East Trail.

Purple Air Website

Select the Purple Air radio button at the upper left corner of the Purple Air Sensor Map for information about the company and its products. Click the dropdown menu to access “Our Technology” which explains in detail how the sensors work and “Frequently Asked Questions”.

Purple Air Sensor Map

Four colored circles in the central map area represent the activated Double Horn sensors. Zoom in to focus on those sensors or zoom out to view larger areas such as Central Texas, Texas, the U.S., or any place on the planet. Clicking on a sensor opens a box at that map location containing a snapshot of that sensor’s data based on selected options from the Map Data Layer box (see below). **NOTE:** *Refresh the page if sensors don’t appear on the Purple Air Sensor Map within a few seconds.*

Map Data Layer Display

When a sensor is selected, another box displaying a graphical timeline of the active Map Data Layer opens in the upper left of the screen. Click the triple horizontal bars in the upper right of the Display for viewing, printing, and downloading options. **NOTE:** *When switching from one sensor to the next, be sure to close the Map Data Layer Display from the previous sensor, otherwise the previous sensor chart will remain.*

Map Data Layers

The box at the lower left of the screen shows which Map Data Layer from the dropdown menu is being displayed on the Map Data Layer Display and sensor snapshot box when individual sensors are selected.

The “?” next to the “Map Data Layer” and “Conversion” drop down menus explain what each option tracks. The default view for Map Data Layer is US EPA PM2.5 AQI (Air Quality Index), a number used by the U.S. government to communicate to the public the level of air pollution. There are nine other choices including US EPA PM10 AQI, Temperature, and Humidity. The drop

down menu to the right of the Map Data Layer provides three choices for Conversions: None (default), AQandU, and LRAPA.

Below the Map Data Layer menu are viewing options for each data layer: Standard (default), Satellite, Topographic, and Dark. To the right of the viewing options is a menu for time periods for each data layer: real time, 10 minute average (default), 30 minute average, one hour average, one day average, and one week average.

The colored bands in the middle of the Map Data Layer box represent levels of comfort and safety for the various Map Data Layers. Current sensor values are placed in the bands to show where they fall within these limits. For example, the Air Quality Index (AQI) layer bands range from green (good air quality) on the left to brownish red (a serious health hazard) on the right. Click on a color for its meaning and numerical range.

<https://www.purpleair.com/map?opt=1/mAQI/a10/cC0#12/30.5047/-98.2171>