



F:\TMDL\7Q2_Study\GIS\Permitted Discharges Mapping\7Q2 vs Permitted Discharge Flow_Updated.mxd

- Wastewater Outfalls
- Wastewater Percentage in Baseflow**
- >=0% - <=25%
 - >25% - <=50%
 - >50% - <=75%
 - >75% - <=100%
 - >100% - <=200%
 - >200%

Range of Wastewater Percentage in 7Q2 Flow	Percent of Total Stream Segment Length in Harris County
>=0% - <=25%	9.59%
>25% - <=50%	0.00%
>50% - <=75%	2.60%
>75% - <=100%	0.75%
>100% - <=200%	18.40%
>200%	68.65%

Notes:
 Percentages are calculated as
 $(\text{Permitted Discharge} / 7\text{Q2 Flow}) \times 100$

Sources of 7Q2 Flows:
 1. TAC Chapter 307.10(2)
 2. USGS Fact Sheet FS-122-99
 3. Calculated using USGS flow data if a long-term flow record is available
 4. In absence of flow data, estimated using the ratio of drainage area based on flow data at a nearby gage
 5. For several small perennial tributaries, a flow of 0.1 cfs is assumed if base flow information is not available as described on the TCEQ website

Sources of TPDES Permitted Flows:
 TCEQ Database of TPDES Wastewater Dischargers

Permitted TPDES Wastewater Discharge versus Approximate Baseflow Mapping

Percentage of Permitted Wastewater Discharge in Approximate Baseflow (Equal to 7Q2 Flow) in TCEQ Stream Segments within Harris County

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Notes:
 Stream segments from National Hydrography Dataset (NHD) High resolution, USGS;
 Major roadways, lakes & bays from StratMap, TNIRIS;
 Watershed study area from HGAC;
 County boundaries from TWDB.