



Data Sources and Gaps

Source	Data
SanGIS	<ul style="list-style-type: none">• WMA boundaries, Hydrologic Units and Areas• Surface water features• Groundwater basins• Land uses• Roads• Storm drains for City of San Diego• Municipality boundaries• Topography
San Diego Integrated Regional Water Management (IRWM)	<ul style="list-style-type: none">• Water agency districts• Wastewater agency districts• Water, wastewater, recycled water treatment plants
National Hydrography Dataset (NHD)	<ul style="list-style-type: none">• City and County of San Diego flood control system• City and County of San Diego impoundments, spreading grounds, flood control basins, debris basins
Bureau of Land Management (BLM)	<ul style="list-style-type: none">• BLM lands• BLM wilderness areas• BLM conservation areas
National Resources Conservation Service (NRCS)	<ul style="list-style-type: none">• Soil data
Caltrans	<ul style="list-style-type: none">• Bridges
National Oceanic and Atmospheric Administration	<ul style="list-style-type: none">• LiDAR topography
U.S. Fish and Wildlife Service (USFWS)	<ul style="list-style-type: none">• USFWS refuge lands
Other gathered data	<ul style="list-style-type: none">• MS4 systems• Storm drain systems for most of the county• Wastewater collection system



Data Needs

Flood control systems:

- Imperial Beach
- Chula Vista
- National City
- Coronado
- Lemon Grove
- La Mesa
- El Cajon
- Santee
- Poway
- Escondido
- Del Mar
- Solana Beach
- Encinitas
- San Marcos
- Carlsbad
- Oceanside
- Vista

Groundwater:

- Existing and planned well systems

Sanitary treatment:

- Pre-treatment maximum and minimum flows
- Times when flows are needed
- Pre-treatment/quality requirements for treatment
- Potential uses, need, and capacity to augment current sources of water

Irrigation:

- Existing or planned recreational areas that would benefit from augmentation of irrigation supply

Environmental:

- Planned or implemented wetland treatment systems
-