

Superfund sites, California, 2022

Pace, C., Karasaki, S., Cushing, L., Morello-Frosch, R. (2023). Superfund sites in California. Drinking Water Tool metadata, prepared by the Water Equity Science Shop, UC Berkeley.

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File name: Superfund_sites_CA

Spatial Reference

Geographic Coordinate System	NAD 1983	Projected Coordinate System	NAD 1983 (Teale) Albers (Meters)
WKID	4269	Projection	3310
Authority	EPSG	Authority	EPSG
Angular Unit	Degree (0.0174532925199433)	Linear Unit	Meters (1.0)
Prime Meridian	Greenwich (0.0)	False Easting	0.00
Datum	D North American 1983	False Northing	-4000000.0
Spheroid	GRS 1980	Central Meridian	-120.0
Semimajor Axis	6378137.0	Standard Parallel 1	34.0
Semiminor Axis	6356752.314140356	Standard Parallel 2	40.5
Inverse Flattening	298.257222101	Latitude of Origin	0.0

Description

This shapefile contains 100 polygons representing Superfund sites in California.

Methods

We downloaded polygon data for U.S. EPA Superfund sites boundaries from data.gov¹ (downloaded on 9/30/22). Superfund site boundaries represent the footprint of a whole site, defined as the sum of all of the operable units(OU) and the current understanding of the full extent of contamination.

We removed duplicates and spatially reconciled boundaries that were present in our other drinking water threats layers (i.e. the MIRTA² and/or P139-AFFF³⁻⁵ datasets). Duplicate boundaries were merged and the composite polygons were used as the new geographical extent. These changes impacted the following boundaries: Marine Corp Base Camp Pendleton (CA2170023533); Alameda NAS (CA2170023236); Concord Naval Weapons Station (CA7170024528); Marine Corps Logistics Base Barstow/Yermo Area (CA8170024261); March Air Force Base (CA4570024527); Edwards Air Force Base (CA1570024504); Riverbank Army Ammunition Plant (CA7210020759); McClellan Air Force Base (CA4570024337); CSO Hunters Point Annex (CA1170090087); and George Air Force Base (CA2570024453).

Attribute Table

Field Heading	Field Description
FID	ESRI generated field
Shape*	Polygon - ESRI generated field
PROGRAM	Superfund Site MIRTA / Superfund site (MIRTA site that is also a superfund site) MIRTA/P139/Superfund site (MIRTA site that is also an airport permitted to use Aqueous Film-Forming Foam containing PFAS and a Superfund site)
ID	Superfund site ID

SITE_NAME	Site name
EXTENT	Describes the current extent of the site (i.e. site boundary, operational unit (OU) boundary aggregation, comprehensive site boundary)
NOTES	Additional notes included in data from data.gov
STATUS	F = on the National priorities list D = deleted from NPL P = Pending
URL	link
Also_contains	Lists additional PFAS sources within boundary (e.g. 1 publicly owned treatment works)
Shape_Length	Length in meters
Shape_Area	Area in square meters

Acknowledgements

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References

1. NPL_Boundaries, FAC-Superfund Site Boundaries (EPA), Zipped file geodatabase. Retrieved from https://catalog.data.gov/dataset/fac-superfund-site-boundaries-epa/resource/4d1edc60-dc8a-4e3d-9bf7-ae59044fa2e4?inner_span=True. Accessed September 30, 2022.
2. Military installations, ranges, and training areas. Department of defense. Available online at <https://catalog.data.gov/dataset/military-installations-ranges-and-training-areas>. Updated February 24, 2021. Accessed September 30, 2022.
3. CA.Gov. California Open Data Portal. Caltrans Airport boundaries. Updated February 16, 2022. <https://data.ca.gov/dataset/airport-boundaries>.
4. California State Water Board, Department of water quality. Point layer for Airports permitted to use Aqueous Film Forming Foam (AFFF). Updated June 27, 2019. <https://gispublic.waterboards.ca.gov/portal/home/item.html?id=79be3add14bc4c32837dbffb13ab9893>.
5. United States Department of Transportation. Federal Aviation Administration, Part 139-Airport Certification. Updated August 3, 2022. https://www.faa.gov/airports/airport_safety/part139_cert.