

## Statewide Potential Brownfields Count - Technical Report and Methodology

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### Preface

This report has been prepared to document the process of developing a count of California's **Potential Brownfields**. This Potential Brownfields Count was developed in coordination with the California Department of Toxic Substances Control (DTSC) Brownfields Office (agreement number 22-T5092).

This Potential Brownfields Count relies on publicly available data for documented brownfields, documented environmental cleanup sites, documented contamination, and potential sources of pollution to soil and groundwater to create a first-level determination of the potential for parcel-level status as a brownfield. All parcels included in the count and noted as "potential brownfields" may not have actual contamination onsite. No data is provided on the nature and extent of contamination. This project was developed to help identify potential brownfield properties for additional site-specific investigation into each site's historic and current use including real and perceived contamination. The authors make no claims that these parcels included herein are contaminated but rather that there is the potential for contamination based on existing data.

A full description of the analytical process and data sources is given in the body of this report.

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## Abstract

Brownfields, properties that have contamination or are thought to be contaminated, are located across California communities and pose impediments to redevelopment due to the uncertain nature and extent of contamination. This environmental uncertainty creates economic uncertainty, prompting development elsewhere – often in suburban areas far from urban amenities such as jobs and public transportation networks. Meanwhile, brownfields in urban centers remain vacant or otherwise underdeveloped with potential impacts to human and environmental health, particularly in neighborhoods of environmental justice concern. While increased funding and programmatic support is being leveraged to address brownfields, the extent of brownfields is not well understood. This report documents the development of a screening method to identify potential brownfields in the state of California. The research method described here resulted in the identification of a total of 396,633 parcels as potential brownfields, or 3.7% of all parcels ( $N = 10,738,527$ ) under consideration in the state.

## Introduction

Across the United States (US), increasing attention is being paid to brownfields. Brownfields, generally thought of as pieces of land that have been contaminated due to historic use, often lie abandoned or underutilized due to the presence or potential presence of on-site contaminants that can complicate redevelopment efforts. While brownfields are a common phenomenon across the US, brownfields are most typically found in the historic urban centers ([Swickard, 2008](#)). Additionally, brownfields are generally clustered in low-income and marginalized communities ([Heberle and Wernstedt, 2006](#)) that have historically borne and continue to bear a disproportionate burden of environmental pollution from a variety of sources – including brownfields. In communities of environmental justice concern, brownfields are just one of many potential exposure pathways to contamination with impacts to environmental health, human physical and mental health, and overall quality of life. Other environmental impacts include exposures to air, water and soil pollution.

While it is well-established that brownfields are not homogeneously distributed, efforts to identify brownfields lack coherence because there is no standard definition, and also because funding and programs to address brownfields is spread across a variety of federal and state government agencies, and also among municipal and county governments, each with different priorities or responding to different concerns. A detailed summary of efforts to identify brownfields can be found in a series of reports by the US Conference of Mayors which reports the results of regular surveys of 172 cities for brownfields sites recognized by those municipalities ([US Conference of Mayors, 2006](#)). These estimates are not comprehensive nationally, nor do they cover brownfields in ex-urban or rural areas. Additionally, these efforts do not include the use of geographically referenced data and instead rely on city staff reports of local brownfields. Efforts to generate these counts are not well documented and are likely to be inconsistent. This approach to brownfields estimation results in a high level of uncertainty into the resultant total.

This lack of comprehensive information on where brownfields exist creates impediments to driving funding, policy, and other program development for addressing brownfields. The lack of comprehensive knowledge on brownfield locations also limits city and regional governments from creating comprehensive plans to address brownfields cleanup and redevelopment. In order to address this information gap, we developed this statewide brownfields screening tool to estimate the total number of potential brownfields in California. This report develops and applies a framework for brownfield identification.

### **Defining Brownfields**

Many brownfields definitions exist. The US Environmental Protection Agency (US EPA) defines a brownfield as: “a property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant” ([US EPA, 2024a](#)). However other state programs may abide by different brownfield definitions. For example, the California Department of Toxic Substances Control (DTSC) defines brownfields as “properties that are contaminated, or thought to be contaminated, and are underutilized due to perceived remediation cost and liability concerns” ([DTSC, 2023](#)). With different agencies engaged in brownfields work, no single brownfield definition guides brownfield identification efforts. On top of this, data on real and perceived contamination is piecemeal and not consistently collected, making efforts to estimate the total extent of brownfields very difficult. In light of these different brownfield definitions and piecemeal data, no single federal database of brownfields exists.

### **Previous efforts to estimate brownfields**

There have been numerous attempts to estimate the total number of brownfields both nationally and within smaller areas such as cities or neighborhoods, each using slightly different methodologies. The US EPA most recently estimated that there are over 450,000 brownfields in the US; however, the process for generating that estimated brownfield count is not well documented and various official documents reference this estimate or similar estimated brownfield counts. In a 2002 Fact Sheet associated with the passing of bipartisan legislation for brownfield cleanup and revitalization, it is cited that the US EPA estimates a total of 500,000 to 1 million brownfields across the US ([The White House, 2002](#)). Yet again, no information is publicly available on the development of this estimate. This is followed by a 2004 General Accountability Office (GAO) report that estimates 450,000 to 1 million brownfields ([GAO, 2004](#)). And other mentions of the report state that over half of the estimated 450,000 are contaminated with petroleum but no reference is made to how this estimate of petroleum impacts was generated ([US EPA, 2023](#)).

Other state and regional estimates have also been produced. In California, the Center for Creative Land Recycling published a report in 2007 that uses a wide variety of data sources and reports to develop an estimate of the number of brownfields that exist statewide ([Brodsky, 2007](#)). This estimate is based on a number of assumptions and extrapolations that are not well documented in the report, nor do they appear to be tested. These include the 2004 GAO Report along with: sites listed in the DTSC’s EnviroStor database, data on business activities, a survey of California cities, estimates of California land use, and a study by the UC Berkeley Institute for Urban and Regional Development on infill potential ([Brodsky,](#)

[2007](#)). Besides the use of EnviroStor data, this estimate of California brownfields is based solely on other estimated brownfield counts (many with limited documentation of methodology), rather than site-specific data on contamination or the potential for contamination. The report estimate of between 96,285 and 200,000 parcels (0.8 - 1.6% of parcels statewide) seems high when compared to similar estimates in other states, and nationally from federal agency sources. In Michigan, academic researchers used the state's Department of Environmental Quality underground storage tank database (USTfield) to identify 355 brownfield sites in Macomb County, Oakland County, and Wayne County, Michigan ([Lee and Mohai, 2013](#)). Other efforts in Chicago, Georgia, and New Jersey have reported brownfield estimates of 2,000, 5,000, and 8,000 sites, respectively ([Amekudzi & Fomunyng, 2004](#)).

### **Our Contribution**

This report was developed to create a count of potential brownfields across the State of California to build data in support of statewide efforts to create safer environments and vibrant, healthful communities resilient to climate change. This report defines a new methodology for identifying brownfields sites using existing environmental databases and land use.

### **Research Methodology**

This work relies on the DTSC's definition of a brownfield (bolded text added for emphasis):

*"Brownfields are **properties that are contaminated, or thought to be contaminated, and are underutilized due to perceived remediation cost and liability concerns. Many of these properties are in the urban core, near transit and often in underserved communities with housing and economic development needs.**"*

To identify properties that are or might be contaminated, we rely on existing databases of known environmental contamination including sites where environmental assessment, regulatory oversight, and cleanup activities are ongoing. To identify sites that might be perceived as contaminated, we identify vacant parcels and use business location information to identify sites with active contaminating activities. Because perception of contamination, which is part of the brownfields definition, may arise from local residents' observations or experiences over time, this cannot be adequately captured using the above-mentioned data sources. We recognize that relying on data on vacancy and on-site operations will not fully capture long-held resident and developer perceptions of contamination. Together, this brownfields screening model is based on existing databases of environmental contamination, environmental cleanup sites, land use, and business location data to capture both known and perceived contamination.

### **Parcel Data Preparation**

We begin our work with a California state tax parcel data set that includes all parcels in the state, identified by Assessor Parcel Number (APN)<sup>1</sup>. These parcel data also include the parcel's geographic extent and recorded use.

We then intersect these parcels with additional databases to remove parcels that are ineligible for redevelopment. We first remove parcels that fall entirely inside boundaries taken from the California Protected Areas Database (CPAD) indicating lands that are owned and protected for open space purposes ([California Protected Areas Database, 2023](#)). We rely on CPAD data obtained on 11/11/2022 from calands.org. The CPAD includes areas under the jurisdiction of National and State Parks, National Forest Services, Bureau of Land Management, and close to 1,000 other public and non-profit organizations. This database covers an area of 49,648,667 acres.

Next we remove parcels currently in use by the US Department of Defense (US DOD). While many military activities cause contamination and are subsequently labeled as brownfields, areas currently being used by the DOD for military activities are not eligible for redevelopment. These boundaries cover an area of 48,635,786 acres in California (US DOD, 2023).

Parcels data were then consolidated in instances of geographically-identical, colocated parcels. The original parcels layer included geographically identical parcels where multiple land owners shared the same parcel footprint. This is often the case at condominium properties where a large multi-unit residential building is subdivided among individual unit owners. For example, a condominium building with nine owners would appear in the parcels database as nine geographically-identical parcels. In cases such as this, we consolidated these into one parcel, preserving the original geographic location, size, and shape of the parcel.

We then reclassified parcels by land use code. Original parcel data included over 279 land use categories which we consolidate into the following categories (Table 1). This land use category consolidation increases computational efficiency while also providing sufficient specificity for identification of potential brownfields.

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<sup>1</sup> Parcel geospatial data was provided by California Air Resources Board as part of a separate research contract funded by the DTSC and CARB (DTSC Contract # 17-T4471, CARB Contract #17RD035). The data are used in this study with their permission. DTSC gathered this data from other state agencies in 2019.

Table 1 - Consolidated parcel land use codes

Abandoned/Contaminated	Government	Rail
Agricultural	Heavy Manufacturing	Recycling
Auto Repair	Industrial	Redevelopment Zone
Oil Gas	Irrigation	Residential
Campground/Park/Recreational /Open Space	Junk Yard	Road/Highway
Car Wash	Light Industrial	Rural
Cemetery	Light Manufacturing	Sensitive Use
Commercial	Manufacturing	Transportation
Communications	Marine	Tribal
Cultural/Community	Medical	Under Construction
Dry Cleaner	Military	Unknown
Education	Mill	Unusable
Emergency	Mining	Utility
Fish Camps/Game Club/Target Shooting	Mixed	Vacant
Heavy Industrial	Natural Resource	Water
Gas Station	Parking	Warehouse
Golf Course	Pipeline	Waste Disposal

For a complete list of original land use codes and their associated consolidated use code, see Appendix 1.

After parcel-level data were prepared for analysis, we began the process of preparing a variety of datasets with information on environmental conditions and ongoing site activities. We term these datasets “Points of Environmental Concern.”

#### **Points of Environmental Concern Site Data Preparation**

Table 2 describes the Points of Environmental Concern data sources used in developing the potential brownfields estimate. This table includes the data source name and a brief description of the data.

Table 2 - Points of Environmental Concern Data Sources

Data Source	Description
Toxic Release Inventory (TRI)	TRI data are sourced from the US EPA's Toxic Release Inventory Program which inventories industrial and federal facilities that report chemical releases or pollution prevention activities. TRI facility reports include unique facility ID information, reported toxin type, toxin amount released on site or transferred off site, and industry sector information such as NAICS codes. Ten-year dataset encompassing 2010-2021 were obtained 2/15/2023 from <a href="#">TRI Form R Search   Envirofacts   US EPA</a> .
California Geologic Energy Management (CalGEM) Division Oil and Well Site Data	CalGEM data are sourced from California Department of Conservation's WellSTAR database on operations related to California's oil and gas industry. These data include unique API, unique well number, well location information, well operation status and well type. Data obtained 3/20/2023 from <a href="#">GIS Mapping (ca.gov)</a> .
EPA National Priorities List (NPL)	These data originate from the US EPA National Priorities List Superfund (CERCLA) Site database. These data include unique US EPA site ID, site location information, site status and site listing or deletion dates. Data obtained 3/9/2023 from <a href="#">National Priorities List (NPL) Sites - by State   US EPA</a> .
Solid Waste Information System (SWIS)	These solid waste facility data are sourced from the Solid Waste Information System (SWIS) database provided by the California Department of Resources Recycling and Recovery program. Information associated with this dataset include site name and location, site statuses (operational and regulatory) and status reason types (ie. illegal or abandoned sites). Data obtained 4/5/2023 from <a href="#">SWIS Facility/Site Activity Search (ca.gov)</a> .
Hazardous Waste Tracking System (HWTS)	These data were provided by the DTSC. These datasets included information on active and inactive facilities that reported on site hazardous waste activities from 1980 to 2022. Obtained January 20, 2023 from DTSC.
EnviroStor	<a href="#">EnviroStor</a> data include locations of cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. DTSC maintains this online database. Data obtained 3/18/2023.
ACRES	The United States Environmental Protection Agency maintains the <a href="#">Assessment, Cleanup and Redevelopment Exchange System (ACRES)</a> to track activities and brownfield sites with funding from the US EPA Brownfields Grant Programs.
GeoTracker	The California State Water Resources Control Board's <a href="#">GeoTracker</a> data management system includes records of sites that have known or

Data Source	Description
	potential impacts to water quality, specifically groundwater quality, in California. This includes Leaking Underground Storage Tank (LUST) sites, Department of Defense sites, and Cleanup Program sites. Data obtained 11/30/2022.
Data Axle	DataAxle is a private company that provides data on business locations and operations. We requested business location information for all businesses with specific North American Industry Classification System (NAICS) codes <sup>2</sup> (see Appendix 2) with the potential to cause contamination to the surrounding environment. This data included information for businesses in industries including but not limited to: mining, quarrying, oil and gas extraction, utilities, waste management and remediation services, metal manufacturing, non-metal mineral manufacturing, plastics and rubber products manufacturing, and chemical manufacturing. These data were obtained 9/8/2023 from Data Axle representatives.

Some data were further processed as detailed below.

National Toxics Release Inventory (TRI) data were edited to only include facility reports originating from California. Subsequently, the California data subset was further refined to include only facility reports with on-site land contamination values exceeding zero. To ensure data relevancy to the brownfield context, facilities exclusively reporting air pollution or off-site transfers of toxins were removed from the dataset. The refined dataset was then geocoded utilizing the ArcGIS World Geocoding Service, thereby converting facility addresses into precise geographical coordinates.

The initial dataset from the California Geologic Energy Management Division (CalGEM) underwent refinement to only include oil and gas wells where the “WellStatus” attribute indicated a non-“canceled” status. Further data cleaning included the retention of data fields pertaining to well location, well type, and unique well identification.

The National Priorities List (NPL) dataset underwent filtering to include unique site identifiers, site location details, site status, and listing dates. Notably, sites with a status classification of “Deleted” were retained within the dataset for comprehensive analysis as the research team had insufficient information on the nature or reason for the deletion of these sites.

SWIS facility reports indicating a “Proposed” regulatory status were systematically excluded, as were those with an “Clean closed” operational status to ensure dataset integrity and relevance.

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<sup>2</sup> NAICS codes are a standard code used by federal agencies to classify business establishments. These codes are self-assigned by the company. Some companies have more than one NAICS code. We rely only on the primary NAICS code.

HWTS data included active and inactive sites. After a review of the two sites by activity status, the research team determined that all sites may be relevant to the brownfields context as insufficient information was provided regarding the process by which sites moved from the “active” to “inactive” site list and the potential for ongoing perceptions of contamination.

After environmental site data cleaning and processing was complete, we maintained a total of 1,665,217 points of environmental concern. These points are enumerated by the original data source in Table 3 below.

Table 3 - Count of Environmental Concern Points by Source

Database Source	Count
TRI	2,659
CalGEM	155,237
NPL	114
SWIS	5,072
HWTS	1,338,584
Envirostor	13,363
GeoTracker	73,737
Data Axle	70,950
RCRA	3,276
<b>TOTAL</b>	<b>1,665,217</b>

#### Modeling in ArcGIS

After all Points of Environmental Concern datasets were downloaded and prepared as stated, we developed a set of “consolidated fields.” We evaluated the original attributes included in each Environmental Concern dataset to identify the most useful for our purposes, and from this developed a single merged shapefile, or Environmental Site database, containing all site locations with a common set of attributes. This process is shown in Figure 1. The final set of consolidated fields includes: Brownfields ID, NAICS, zip code, data source, temporary (“temp”) permit, issue date, operational status, latitude, longitude, facility name (“name”), and the original site ID. The Brownfields ID was built by concatenating the ObjectID generated by ArcGIS with a code for the database source (eg. CalGEM or TRI, etc), and the original location identifier assigned by the original data source. This allows us to quickly determine the source of every site location in the merged shapefile. We use ArcGIS Model Builder (see Figure 2) to conduct this process of merging Points of Environmental Concern datasets and consolidating the attributes of each dataset. The advantages of using ModelBuilder include fast and effective testing of various analytical choices considered during the project, speed and ease of rerunning analyses to determine the effects of these choices on the result, ease and simplicity of making changes in the analytical steps, clear documentation of the method and its analytical steps, ability to share ModelBuilder models among project staff and, eventually, DTSC. The result of the Model highlighted in

Figure 2 is one shapefile with all Points of Environmental Concern with a common set of attributes (eg. a combination of all data sources listed in Table 2). These data are mapped and shown on Figure 3.

Figure 1 - Processing Environmental Site Data to Create Consolidated Fields

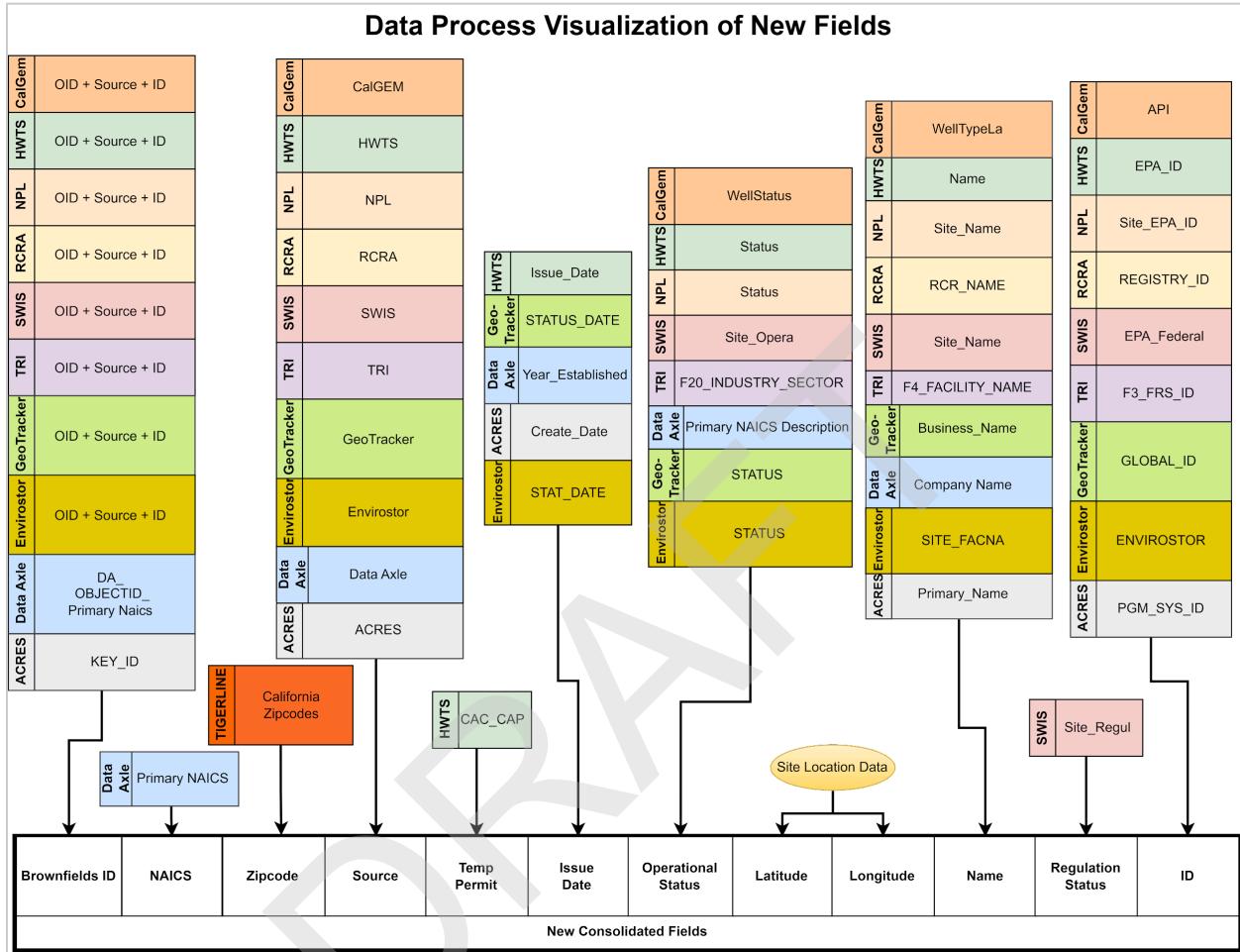


Figure 2 - ArcGIS Model to Combine Points of Environmental Concern datasets

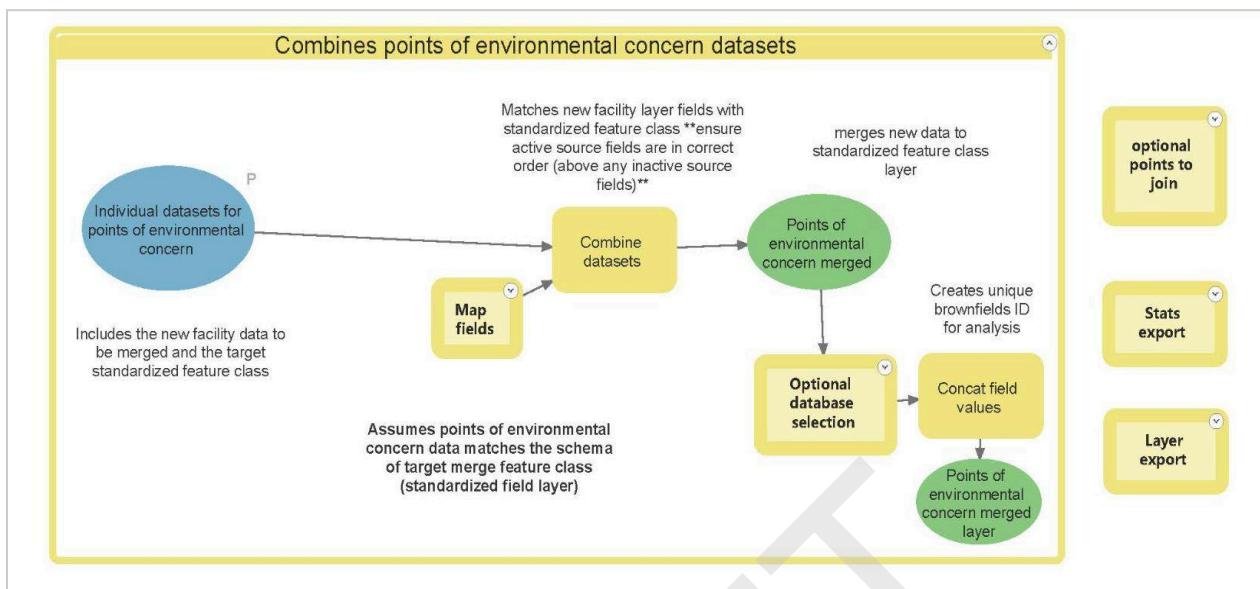
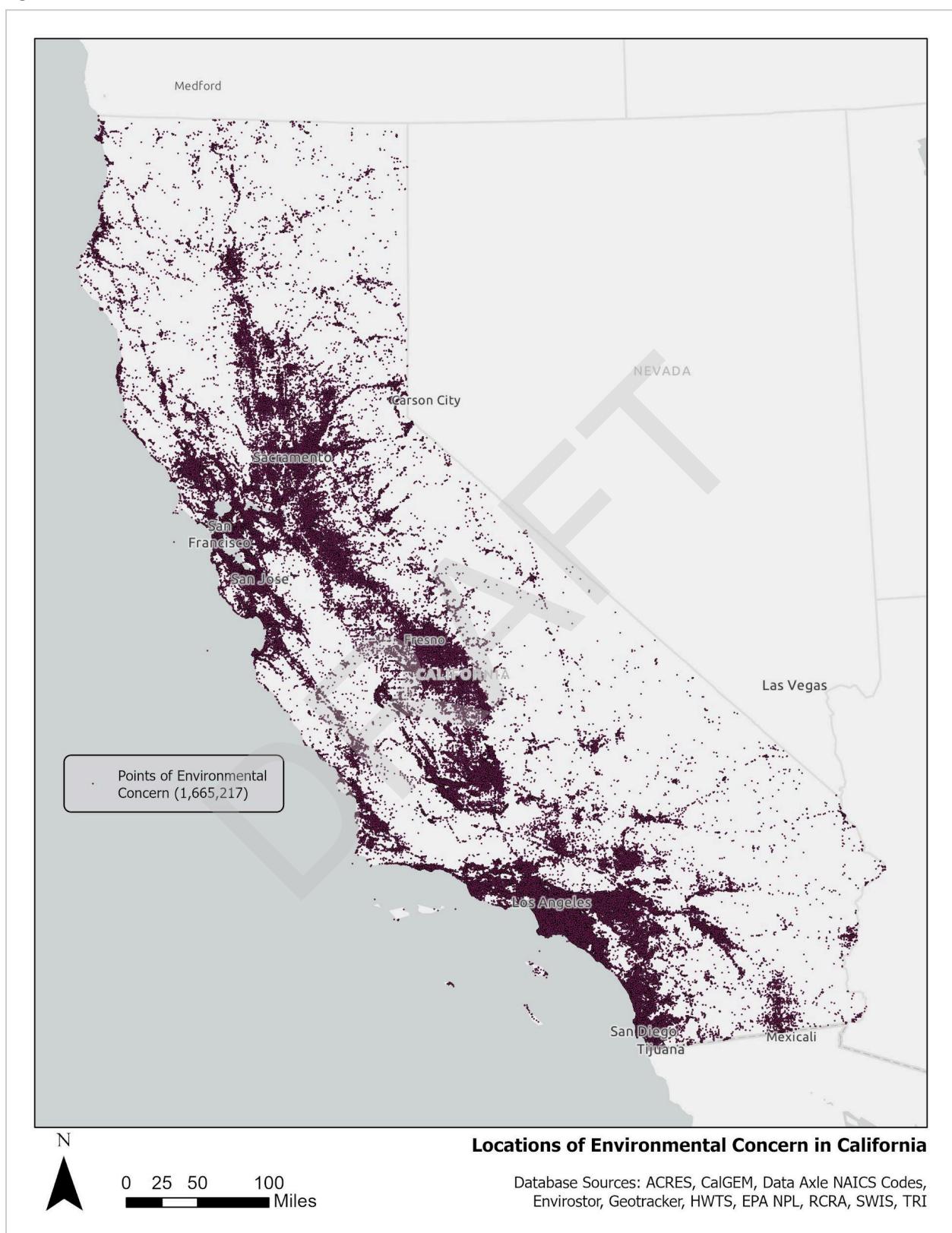
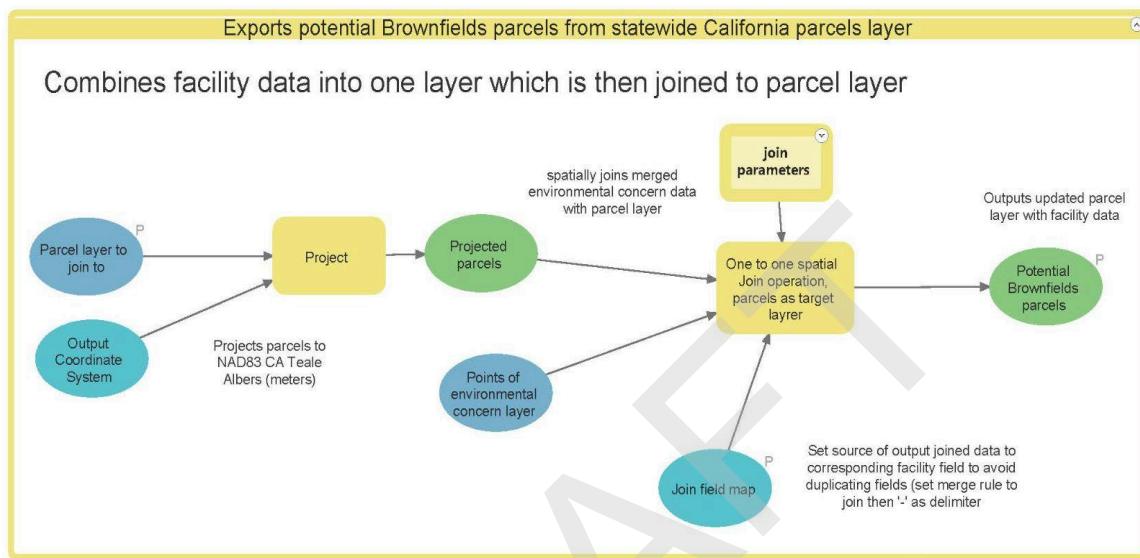


Figure 3 - All Points of Environmental Concern in California



We then use ArcGIS Model Builder to spatially join the environmental points dataset to the parcels layer (Figure 4). This “spatial join” connects each environmental point to the parcel(s) it is located in. Together, these models provide us with a final database of parcels that have one or more possible contamination points within them. We designated these parcels as potential brownfields for the purposes of the screening tool.

Figure 4 - ArcGIS Model to join points of environmental concerns with parcels

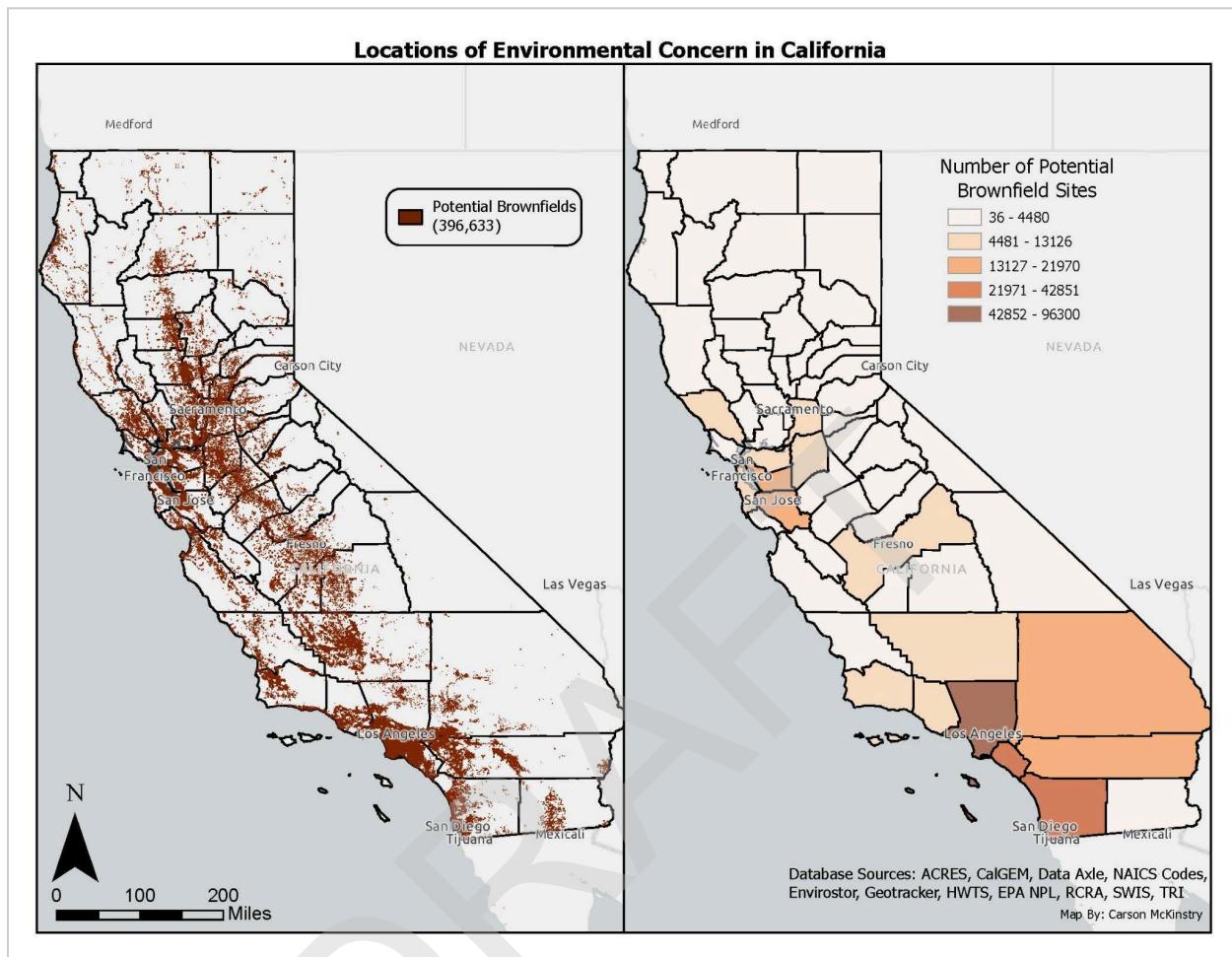


In our methodology, any parcel under consideration that hosts a point of environmental concern is a potential brownfield location and is included in our estimated count. However, each of these parcels requires further investigation to determine the likelihood or extent of contamination, depending on the nature of the environmental concern point. For this reason, and to make follow-on analyses easier, we associate parcels with attribute information regarding the environmental concern(s) by using a spatial join of the parcel layer to the merged environmental concern layer. A “counts” field is added indicating the number of environmental concern points within any given parcel. This “count” of environmental concern points by parcel will also warrant further investigation. It should be noted that not all points of environmental concern were associated with a parcel. Some environmental concern points are located in roads and other locations without a parcel boundary.

## Results

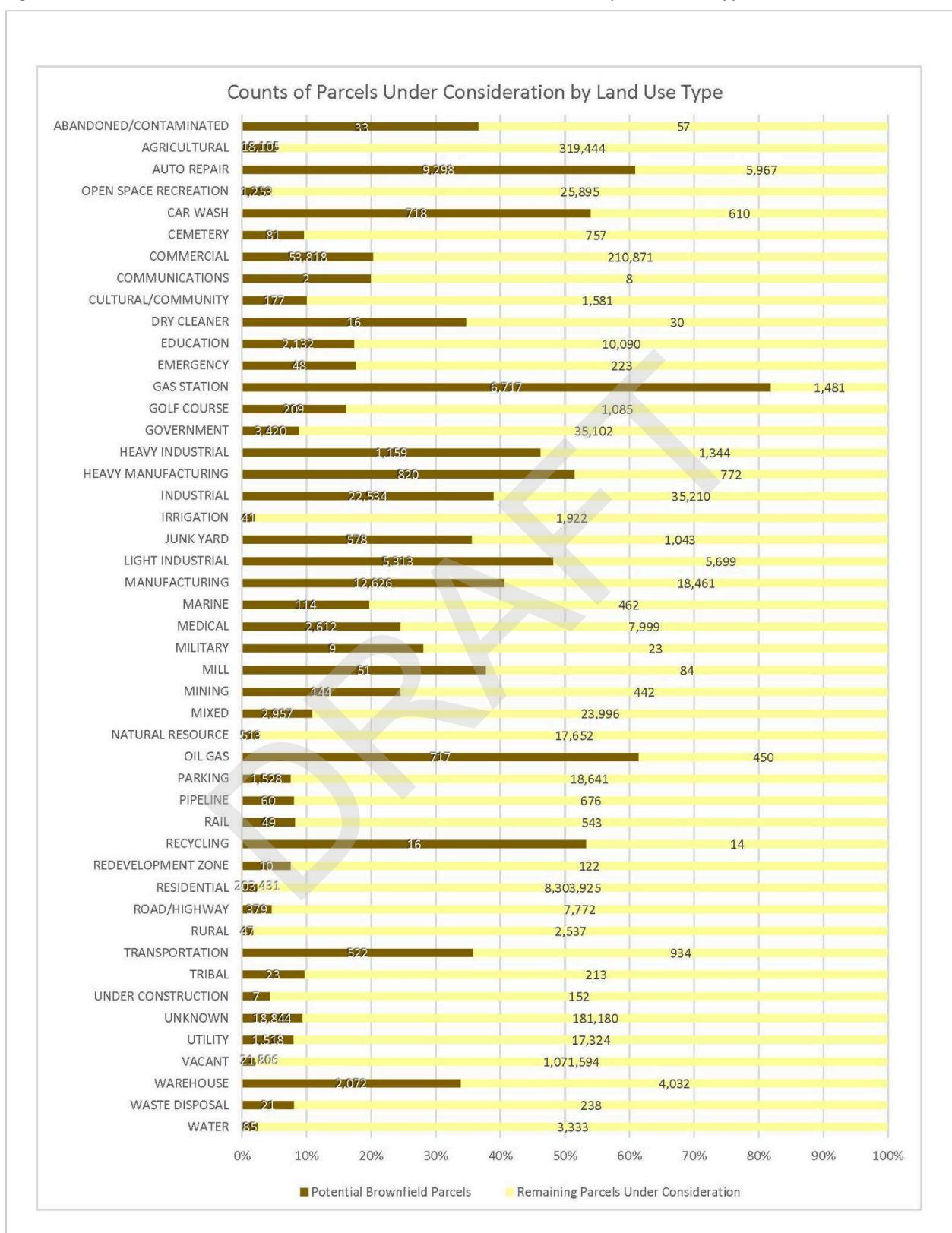
The process described above was used to identify California parcels as potential brownfields, which resulted in the identification of a total of 396,633 parcels as potential brownfields, or 3.7% of all parcels ( $N = 10,738,527$ ) under consideration in the state. Together, these parcels cover a total of 3,643,700 acres, 10.2% of land area under consideration. Potential brownfield parcel locations are also shown in Figure 5. The left-side pane shows all potential brownfield parcels and their locations. The right-side pane includes each county in the state with color assigned according to the number of potential brownfield parcels in each.

Figure 5 - Potential Brownfield Parcels and Potential Brownfield Sites by County



Potential brownfields locations were summarized by land use as recorded in the parcel data layer. The figure below provides counts of all parcels and potential brownfield parcels by land use classification. A significant percentage of these sites are associated with automobiles, with gas stations, auto repair, junk yards and car wash uses predominating. Industrial, manufacturing and warehousing activity also host significant numbers of potential brownfields, as do oil/gas and transportation activities. Recycling is a large contributor to the potential brownfields population, much more so than other waste disposal uses. Commercial uses are a relatively small contributor, with the exception of dry cleaners, many of which have been replaced by water-based methods that do not depend on the light hydrocarbon solvents traditionally used in this industry and responsible for the contamination at those sites. There are surprisingly few potential brownfields that are described as vacant in the parcel files, which suggests that decommissioning and removing current uses will be necessary in most cases before redevelopment.

Figure 6 - Counts of Total Parcels and Potential Brownfield Parcels by Land Use Type



We further characterize these potential brownfield parcel locations by summarizing these locations by California counties, metropolitan planning organization boundaries, and within federally-recognized tribal boundaries.

Table 4 presents county-level potential brownfield results. This table includes the total number of parcels, total number of potential brownfield parcels, total area, and total potential brownfield area for each California county. As the most urbanized and industrialized county in the state, Los Angeles County has the highest number of potential brownfield parcels (N=96,279). However, Orange County has the highest percentage of parcels that have been identified as potential brownfields (6.4%). Santa Barbara County has the highest percentage of its land area that is identified as potential brownfields (31.3%).

Table 4 - Potential Brownfields by County

County	Total Parcels in County <sup>3</sup>	Potential Brownfield Parcels (% of total parcels)	Total Land Area (Acres)	Potential Brownfield Area (Acres) (% of total area)
Los Angeles	2,049,235	96,279(4.6%)	1,267,294	160,588 (12.6%)
Orange	662,185	42,875(6.4%)	257,616	68,542 (26.6%)
San Diego	701,660	29,863(4.2%)	765,602	76,679 (10.0%)
Riverside	835,907	21,969 (2.6%)	1,125,546	120,438 (10.7%)
Santa Clara	455,919	21,080 (4.6%)	446,100	52,195 (11.7%)
Alameda	390,242	19,311 (4.9%)	288,684	49,825 (17.2%)
San Bernardino	751,051	15,835 (2.1%)	1,306,078	74,003 (5.7%)
Contra Costa	347,466	13,123 (3.7%)	214,021	40,233 (18.7%)
Ventura	244,268	10,956 (4.4%)	359,613	101,785 (28.3%)
Kern	385,622	10,202 (2.6%)	2,880,837	549,228 (19.0%)
Sacramento	441,031	9,973 (2.2%)	458,180	99,489 (21.7%)
San Mateo	187,817	9,692 (5.1%)	156,710	25,863 (16.5%)
Fresno	293,043	9,088 (3.1%)	1,964,574	220,718 (11.2%)
San Francisco	151,800	9,002 (5.9%)	15,930	4,054 (25.4%)

<sup>3</sup> Note - These totals represent only the parcels that were designated as eligible for consideration under this scope of work. For additional information on parcel consideration procedures, please see the “Parcel Data Preparation” section of the report.

County	Total Parcels in County <sup>3</sup>	Potential Brownfield Parcels (% of total parcels)	Total Land Area (Acres)	Potential Brownfield Area (Acres) (% of total area)
San Joaquin	220,613	6,346 (2.8%)	812,365	149,078 (18.3%)
Sonoma	177,615	5,664 (3.1%)	735,671	69,953 (9.5%)
Santa Barbara	123,425	5,205 (4.2%)	555,285	174,254 (31.3%)
Marin	87,753	4,481 (5.1%)	141,752	14,568 (10.2%)
Solano	138,488	4,176 (3.0%)	402,169	108,382 (26.9%)
Stanislaus	160,317	3,810 (2.3%)	825,800	66,376 (8.0%)
Monterey	115,322	3,763 (3.2%)	1,293,594	119,531 (9.2%)
Tulare	151,291	3,724 (2.4%)	1,333,469	97,213 (7.3%)
Placer	162,329	3,126 (1.9%)	332,155	28,685 (8.6%)
San Luis Obispo	121,276	2,821 (2.3%)	1,193,317	71,712 (6.0%)
Santa Cruz	90,984	2,792 (3.0%)	149,782	13,715 (9.2%)
Merced	85,073	2,468 (2.9%)	1,049,601	83,299 (7.9%)
Shasta	86,075	2,335 (2.7%)	1,001,622	38,904 (3.9%)
Yolo	60,404	2,192 (3.6%)	523,671	92,799 (17.7%)
Butte	90,100	2,074 (2.3%)	622,916	40,269 (6.5%)
El Dorado	90,354	2,074 (2.2%)	338,053	11,562 (3.4%)
Humboldt	65,017	1,897 (2.9%)	1,414,768	53,489 (3.8%)
Mendocino	51,543	1,569 (3.0%)	1,496,528	32,465 (2.2%)
Napa	46,661	1,560 (3.3%)	238,411	22,582 (9.5%)
Imperial	78,461	1,508 (1.9%)	624,999	74,373 (11.8%)
Madera	58,042	1,424 (2.4%)	798,811	76,430 (9.6%)
Kings	48,121	1,404 (2.9%)	787,149	85,952 (10.9%)
Nevada	59,483	1,222 (2.0%)	247,944	11,135 (4.5%)

County	Total Parcels in County <sup>3</sup>	Potential Brownfield Parcels (% of total parcels)	Total Land Area (Acres)	Potential Brownfield Area (Acres) (% of total area)
Sutter	33,869	1,222 (3.6%)	338,176	65,855 (19.4%)
Glenn	13,835	941 (6.8%)	529,530	75,549 (14.2%)
Tehama	37,007	886 (2.3%)	1,010,681	53,323 (5.3%)
Tuolumne	36,091	820 (2.2%)	193,852	11,699 (6.0%)
Siskiyou	41,960	779 (1.8%)	733,901	24,086 (3.3%)
Calaveras	40,191	738 (1.8%)	369,973	13,580 (3.7%)
Colusa	14,019	716 (5.1%)	536,825	76,953 (14.3%)
Amador	22,505	638 (2.8%)	244,243	18,107 (7.4%)
San Benito	19,605	595 (3.0%)	652,934	41,176 (6.3%)
Yuba	29,951	570 (1.9%)	238,952	17,739 (7.4%)
Lake	60,802	567 (0.9%)	275,738	13,467 (4.9%)
Plumas	21,933	482 (2.1%)	218,135	7,597 (3.5%)
Del Norte	12,496	270 (2.1%)	100,036	3,393 (3.4%)
Lassen	21,273	257 (1.2%)	523,770	14,348 (2.7%)
Mariposa	11,379	173 (1.5%)	309,312	12,029 (3.9%)
Modoc	26,914	166 (0.6%)	587,577	4,958 (0.8%)
Inyo	9,559	163 (1.7%)	25,788	774 (3.0%)
Trinity	9,068	141 (1.5%)	171,358	3,570 (2.1%)
Mono	13,941	90 (0.6%)	34,027	2,066 (6.1%)
Sierra	2,768	56 (2.0%)	47,201	2,034 (4.3%)
Alpine	1,598	39 (2.4%)	6,884	744 (10.8%)

County	Total Parcels in County <sup>3</sup>	Potential Brownfield Parcels (% of total parcels)	Total Land Area (Acres)	Potential Brownfield Area (Acres) (% of total area)
<b>TOTAL<sup>4</sup></b>			397,192	

Boundaries of the 98 federally-recognized California tribal boundaries were downloaded from the U.S. Census Bureau Department of Commerce and spatially joined to the Potential Brownfields Parcels layer in order to summarize brownfields located on tribal lands (US Census Bureau Department of Commerce, 2020). It should be noted that many tribal reservations are only remnants of the tribes' traditionally occupied areas and have been significantly reduced in size by the US government (United States Department of the Interior, 2017). Additionally, many tribal reservations include very large parcels by area, such that a small number of parcels may represent an outsized share of the total reservation area. Finally, not all tribal nations have a federally-recognized reservation. There are 40-100 non-federally recognized tribes in California with boundaries missing from these data ([Jantarasami et al., 2018](#)). As such, these data do not represent all tribal nations and indigenous people living in California. Potential brownfields in tribal areas are mapped in Figure 7 below and further enumerated in Table 5.

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<sup>4</sup> Note the total number of potential brownfield parcels by county is higher than the total number of potential brownfield parcels. This is due to some parcels straddling county lines. In other words, some potential brownfield parcels are double-counted in this by-county breakdown.

Figure 7 - Federally-recognized Tribal Reservations and Potential Brownfield Parcels

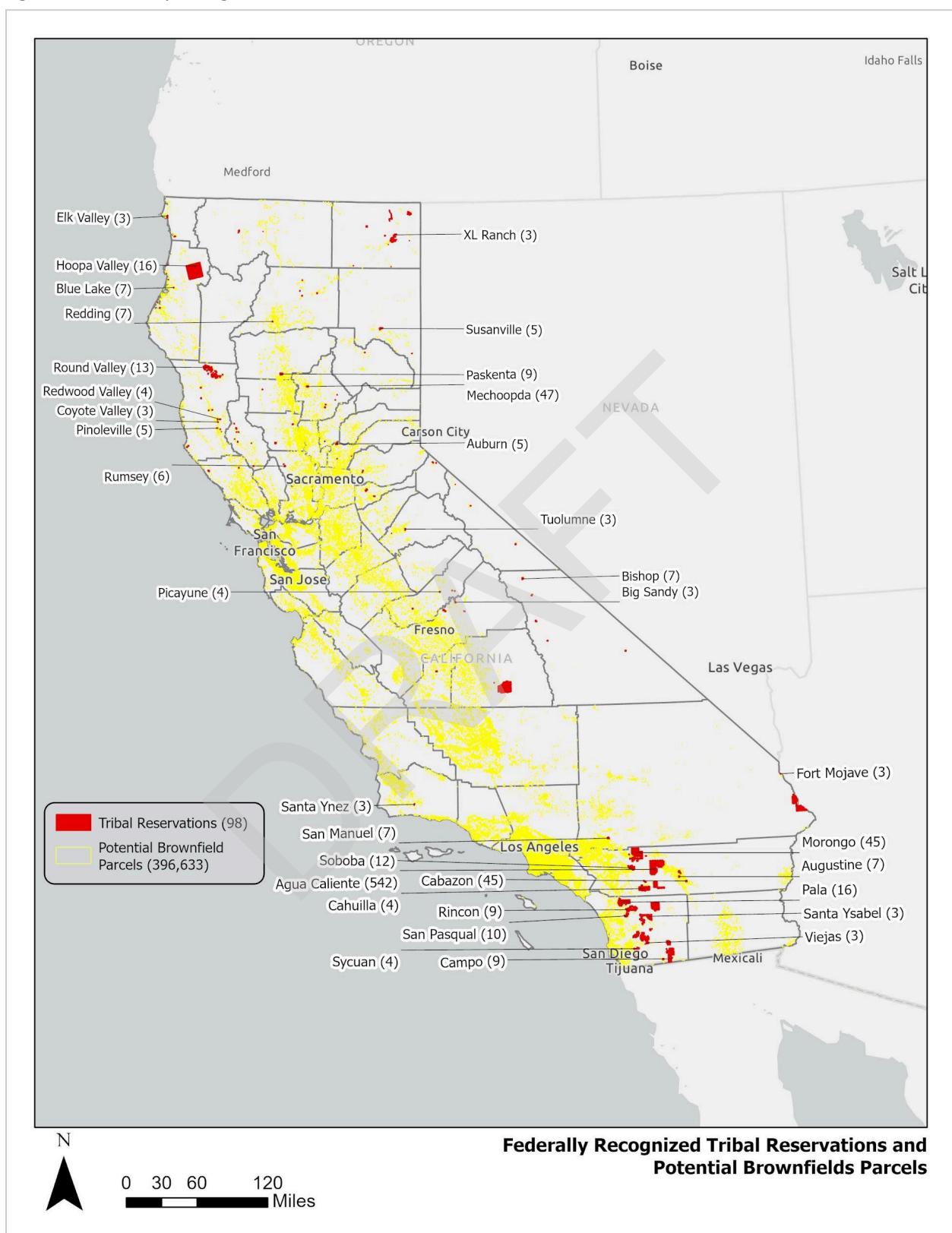


Table 5 - Potential Brownfields by California Tribal Reservations

Tribal Nation	Total Parcels Under Consideration	Potential Brownfield Parcels (% of total parcels)	Total Land Area (Acres)	Potential Brownfield Area (Acres) (% of total area)
Agua Caliente	21,433	542 (2.5%)	35,242.62	3,141 (8.91%)
Alturas	0	0	24.86	0 (0.00%)
Auburn	48	5 (10.4%)	1,143.45	55 (4.80%)
Augustine	16	7 (43.8%)	561.41	283 (50.48%)
Barona	71	1 (1.4%)	7,438.20	971 (13.05%)
Benton Paiute	0	0%	369.81	0 (0.00%)
Berry Creek	29	1 (3.5%)	167.96	16 (9.75%)
Big Bend	5	0	45.15	0 (0.00%)
Big Lagoon	0	0	5.21	0 (0.00%)
Big Pine	52	0	291.84	0 (0.00%)
Big Sandy	40	3 (7.5%)	340.04	15 (4.29%)
Big Valley	92	1 (1.1%)	119.27	8 (6.51%)
Bishop	179	7 (3.9%)	874.20	452 (51.72%)
Blue Lake	40	7 (17.5%)	90.63	38 (42.36%)
Bridgeport	4	0	82.16	0 (0.00%)
Cabazon	430	45 (10.5%)	1,576.05	874 (55.46%)
Cahuilla	123	4 (3.3%)	18,517.08	1,442 (7.79%)
Campo	163	9 (5.5%)	16,490.17	3,156 (19.14%)
Capitan Grande	7	0	15,920.94	0 (0.00%)
Cederville	32	1 (3.1%)	34.55	0 (0.82%)
Chemehuevi	41	1 (2.4%)	30,815.10	56 (0.18%)
Chicken Ranch	8	2 (25.0%)	26.72	2 (9.04%)
Cold Springs	29	0	102.98	0 (0.00%)
Colusa	14	2 (14.3%)	254.16	13 (5.18%)
Cortina	12	0	760.54	0 (0.00%)
Coyote Valley	20	3 (15.0%)	85.79	59 (68.35%)
Dry Creek	8	2 (25.0%)	99.00	8 (8.39%)
Elk Valley	51	3 (5.9%)	481.35	8 (1.60%)
Enterprise	9	1 (11.1%)	82.80	38 (46.18%)

Tribal Nation	Total Parcels Under Consideration	Potential Brownfield Parcels (% of total parcels)	Total Land Area (Acres)	Potential Brownfield Area (Acres) (% of total area)
Ewiaapaayp	17	0	5,470.71	0 (0.00%)
Fort Bidwell	32	1 (3.1%)	3,512.63	586 (16.68%)
Fort Independence	27	0	558.79	0 (0.00%)
Fort Mojave	36	3 (8.3%)	52.80	16 (30.54%)
Greenville	21	1 (4.8%)	70.35	0 (0.00%)
Grindstone	9	0	86.22	0 (0.00%)
Guidiville	11	1 (9.1%)	45.70	1 (1.74%)
Hoopa Valley	1,189	16 (1.4%)	90,634.98	1,506 (1.66%)
Inaja and Cosmit	20	0	861.07	0 (0.00%)
Ione Band of Miwok	54	2 (3.7%)	1,345.33	11 (0.80%)
Jackson	11	2 (18.2%)	292.90	273 (93.09%)
Jamul	0	0	14.71	0 (0.00%)
La Jolla	71	2 (2.8%)	8,638.22	964 (11.17%)
La Posta	19	2 (10.5%)	4,092.19	45 (1.11%)
Laytonville	11	2 (18.2%)	194.81	159 (81.48%)
Likely	2	0	1.54	0 (0.00%)
Lone Pine	25	2 (8.0%)	235.39	72 (30.44%)
Lookout	3	0	40.37	0 (0.00%)
Los Coyotes	10	0	25,096.10	0 (0.00%)
Lytton	8	1 (12.5%)	5.08	4 (73.79%)
Manchester-Point Arena	15	0	376.68	0 (0.00%)
Manzanita	15	2 (13.3%)	4,592.36	4 (0.10%)
Mechoopda	1,049	47 (4.5%)	838.84	218 (26.03%)
Mesa Grande	14	1 (7.1%)	1,744.19	1 (0.04%)
Middletown	5	1 (20.0%)	120.85	93 (77.24%)
Montgomery Creek	10	0	76.88	0 (0.00%)
Mooretown	10	1 (10.0%)	295.93	35 (11.70%)
Morongo	457	45 (9.9%)	34,841.73	4,064 (11.66%)

Tribal Nation	Total Parcels Under Consideration	Potential Brownfield Parcels (% of total parcels)	Total Land Area (Acres)	Potential Brownfield Area (Acres) (% of total area)
North Fork	31	1 (3.2%)	457.41	0
Pala	361	16 (4.4%)	13,881.78	1,218 (8.8%)
Paskenta	62	9 (14.5%)	2,142.67	1,286 (60.0%)
Pauma and Yuima	23	2 (8.7%)	5,992.85	242 (4.0%)
Picayune	28	4 (14.3%)	194.52	23 (11.8%)
Pinoleville	40	5 (12.5%)	104.30	19 (18.6%)
Pit River	22	1 (4.6%)	268.72	45 (16.6%)
Quartz Valley	111	0	713.47	0
Ramona	0	0	546.12	0
Redding	59	7 (11.9%)	117.12	4 (3.4%)
Redwood Valley	89	4 (4.5%)	270.65	22 (8.0%)
Resighini	8	1 (12.5%)	246.18	235 (95.4%)
Rincon	102	9 (8.8%)	4,622.84	1,155 (25.0%)
Roaring Creek	4	0	82.08	0
Robinson	34	1 (2.9%)	203.61	1 (0.7%)
Rohnerville (Rancheria)	7	1 (14.3%)	182.12	14 (7.7%)
Round Valley	409	13 (3.2%)	15,690.93	97 (0.6%)
Rumsey	16	6 (37.5%)	482.96	225 (46.5%)
San Manuel	123	7 (5.7%)	968.85	226 (23.3%)
San Pasqual	82	10 (12.2%)	1,968.13	333 (16.9%)
Santa Rosa	32	1 (3.1%)	11,785.28	118 (1.0%)
Santa Ynez	20	3 (15.0%)	155.52	129 (83.1%)
Santa Ysabel	72	3 (4.2%)	14,992.59	1,264 (8.4%)
Sherwood Valley	39	1 (2.6%)	495.15	
Shingle Springs	20	2 (10.0%)	249.78	35 (13.9%)
Soboba	110	12 (10.9%)	7,816.44	1,169 (15.0%)
Stewarts Point	6	2 (33.3%)	550.74	44 (8.0%)
Sulphur Bank	2	1 (50.0%)	53.64	3 (4.9%)
Susanville	35	5 (14.3%)	1,393.88	241 (17.3%)
Sycuan	113	4 (3.5%)	2,271.53	98 (4.3%)

Tribal Nation	Total Parcels Under Consideration	Potential Brownfield Parcels (% of total parcels)	Total Land Area (Acres)	Potential Brownfield Area (Acres) (% of total area)
Table Bluff	5	1 (20.0%)	75.50	69 (91.5%)
Table Mountain	98	2 (2.0%)	814.80	5 (0.6%)
Timbi-Sha Shoshone	13	0	334.48	0
Trinidad	12	1 (8.3%)	34.49	20 (57.0%)
Tule River	11	0	53,948.69	0
Tuolumne	34	3 (8.8%)	380.49	286 (75.1%)
Twenty-Nine Palms	3	2 (66.7%)	50.51	4 (7.6%)
Upper Lake	61	1 (1.6%)	476.27	2 (0.5%)
Viejas	26	3 (11.5%)	1,696.73	592 (34.9%)
Woodfords	21	1 (4.8%)	390.11	0
XL Ranch	95	3 (3.2%)	9,760.41	23 (0.2%)

Table 6 below presents data for each of the 18 Metropolitan Planning Organizations (MPOs) active across California; data are sorted according to total area. These MPOs represent localities in urbanized areas with populations over 50,000 and are generally tasked with carrying out regional transportation planning ([United States Department of Transportation \(US DOT\), 2022](#)). Many MPOs also fulfill other regional governance roles including long range land use and housing planning which may include connections to brownfield reuse opportunities in transit-efficient locations ([SANDAG, 2023](#)).

Table 6 - Potential Brownfields by Metropolitan Planning Organization (MPO) Jurisdiction

Metropolitan Planning Organization (MPO)	Total Parcels in MPO	Potential Brownfield Parcels (% of total parcels)	Total Land Area (Acres)	Potential Brownfield Area (Acres) (% of total area)
Southern California Association of Governments	4,618,475	189,214 (4.1%)	4,940,225	599,185 (12.1%)
Metropolitan Transportation Commission / Association of Bay Area Governments	1,982,385	88,014 (4.4%)	2,638,570	387,695 (14.7%)
San Diego Association of Governments	701,676	29,864 (4.3%)	765,658	76,729 (10.0%)
Sacramento Area	787,257	18,490 (2.4%)	2,219,688	315,463 (14.2%)

<b>Metropolitan Planning Organization (MPO)</b>	<b>Total Parcels in MPO</b>	<b>Potential Brownfield Parcels (% of total parcels)</b>	<b>Total Land Area (Acres)</b>	<b>Potential Brownfield Area (Acres) (% of total area)</b>
Council of Governments				
Kern Council of Governments	385,603	10,205 (2.7%)	2,880,974	549,234 (19.1%)
Fresno Council of Governments	293,125	9,092 (3.1%)	1,964,728	220,713 (11.2%)
Association of Monterey Bay Area Governments	225,523	7,131 (3.2%)	2,096,864	174,424 (8.3%)
San Joaquin Council of Governments	220,601	6,345 (2.9%)	812,263	149,048 (18.4%)
Stanislaus Council of Governments	160,290	3,809 (2.4%)	825,422	66,359 (8.0%)
Tulare County Association of Governments	151,183	3,722 (2.5%)	1,333,358	97,220 (7.3%)
Santa Barbara County Association of Governments	123,483	5,205 (4.2%)	555,439	174,160 (31.4%)
San Luis Obispo Council of Governments	121,273	2,821 (2.3%)	1,193,407	71,823 (6.0%)
Butte County Association of Governments	90,107	2,075 (2.3%)	622,881	40,266 (6.5%)
Shasta Regional Transportation Agency	86,119	2,336 (2.7%)	999,833	38,907 (3.9%)
Merced County Association of Governments	85,138	2,476 (3.0%)	1,049,792	83,315 (8.0%)
Madera County Transportation Commission	58,032	1,423 (2.5%)	798,745	76,438 (9.6%)
Kings County Association of Governments	48,078	1,404 (3.0%)	786,952	85,926 (11.0%)
Tahoe Metropolitan Planning Organization	30,153	639 (2.1%)	9,654	683 (7.1%)

## Conclusions and Recommendations

Data presented here are initial numbers of parcels that have the potential to be brownfields. Additional research will be done to look more closely at parcels in communities of environmental justice concern,

that is, parcels in census tracts in the 75th percentile or higher according to their cumulative impacts CalEnviroScreen score. This work will be presented to the DTSC under separate cover.

For cities, counties, tribal nations, and MPOs interested in community-wide brownfield identification and brownfield planning, some models do exist for brownfield site prioritization processes. For entities engaged in this scope of work, the potential brownfields identified in this report may serve as a starting point for further analysis of parcel-level conditions related to environmental contamination and redevelopment potential. The US EPA has developed a Community Reuse Property Prioritization Tool ([US EPA, 2016](#)) to assist communities in selecting brownfields for potential reuse. This tool helps users prioritize properties based on specific reuse plans and assesses potential impediments like poor access or environmental contamination. The tool also identifies properties suitable for reuse based on factors like location, infrastructure, and community support. Agencies engaged in brownfield reuse planning might use our brownfield screening tool to identify properties as inputs to the US EPA tool. Other non-federal models of brownfield site prioritization for site reuse might also be helpful for community-level follow-on investigations of potential brownfields identified by our tool. Examples include the [City of Dallas' Brownfields Program Site Prioritization Process \(2001\)](#) and the [Delta Institute's](#) approach to brownfields prioritization in Chicago's Little Village neighborhood (Rena & Shorofsky, 2016).

Additional efforts to inventory and prioritize brownfield locations can serve to support various urban planning and development efforts to promote “smart growth.” Smart growth is an approach to development where compact development, mixed land uses, walkability and access to public transportation, and a variety of housing options are prioritized to create more sustainable communities that are resilient to the effects of climate change ([American Planning Association, 2012](#)). Identifying brownfield sites and prioritizing these sites for cleanup and redevelopment can help transform urban land into more productive uses, supportive of smart growth principles.

Past cases of brownfields redevelopment projects show promise in implementing smart growth, notably in transforming once-contaminated sites into thriving and purposeful spaces ([Amekudzi & Fomunung, 2004](#)). Through strategic transportation enhancements, these sites become hubs of economic activity, fostering job creation and contributing to local tax bases. The metamorphosis of brownfields into vibrant spaces not only addresses environmental concerns through remediation but also aligns with the broader goals of sustainable development by creating socially inclusive, economically robust, and environmentally conscious urban environments. ([US EPA, 2024a](#); [US EPA, 2024b](#))

The potential value for cities, counties and other planning organizations to use these data for follow on efforts related to brownfields reuse is significant. For this reason, the authors suggest that the DTSC make the methods and data included in this report publicly available. Additionally, methods developed in this report may serve as a model for other states in their own development of similar brownfields databases.

## Data Limitations

The data used in this process of brownfields identification are imperfect in a variety of ways which limits their reliability and must be considered when drawing conclusions and making interpretations. This method is a screening tool, similar to CalEnviroScreen and many other similar methods that rely on secondary data, make honest attempts to check the various datasets for obvious problems, and combine those data logically to screen for potential locations. Following use of this tool and its results, DTSC and local planning agencies should conduct a more focused investigation of the sites themselves to verify and further document whether a given site should be classified as a brownfield and a candidate for further action.

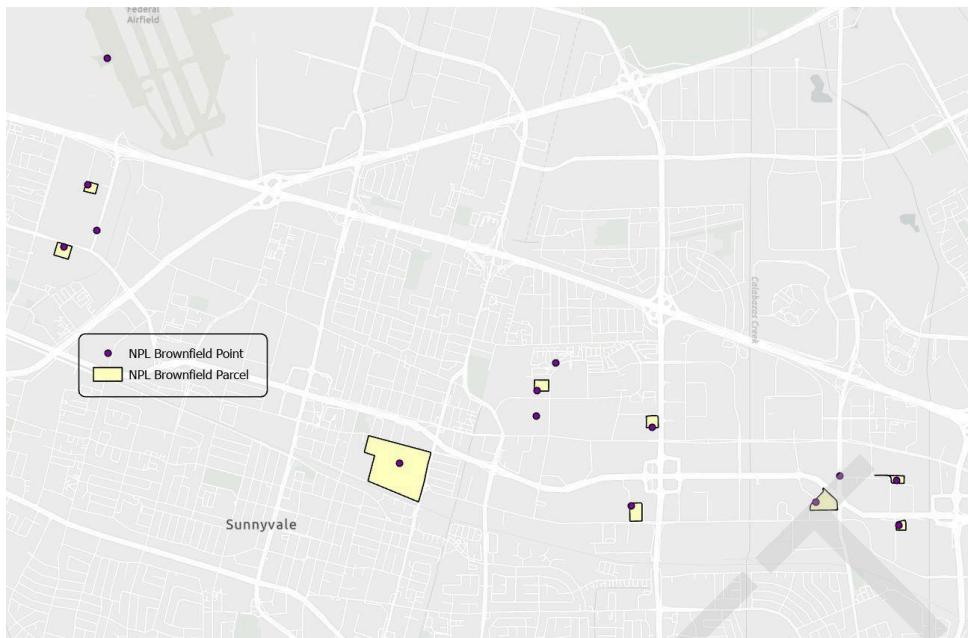
### **Self-reported data**

Some of the environmental datasets used in this potential brownfield count consist of values obtained from many different sources, including self-reported information from individual facilities; typically, these data are not validated or checked for accuracy. In most cases, there are penalties levied by legislation or regulations associated with these datasets for noncompliance, but not for error or misreporting. This increases the likelihood that a given observation, or many observations, are inaccurate, or even wrong, and there is an incentive to over-report as a hedge to avoid possible penalties. Additionally, without training in how to report facility locations, individuals making data reports might submit inaccurate addresses and/or coordinates for the facility. This could result in misclassification and misidentification of a parcel as a brownfield.

### **Polygons mapped as points**

Some datasets represent geographic areas (such as a facility footprint) as spatially discrete points, which introduces another source of error or uncertainty that can lead to misclassification. For example, many of these point locations are automated to represent the center of a parcel that hosts a polluting facility, or a geocoded street address of that facility when, in fact, the emissions or accumulations of pollution or toxic substances are often located elsewhere within that parcel. This introduces uncertainty and error into this method in two ways. First, a potential brownfields parcel may contain part of the facility polygon but not the point that represents that facility in the spatial data - a particular problem for large parcels. Second, a parcel that contains that point, resulting in its being tagged as a potential brownfield, may lie adjacent to other parcels that contain portions of the actual facility area that are contaminated - this problem would be more common for smaller parcels. The example figure below illustrates this accuracy problem where the same NPL facilities are mapped as both points and polygons.

Figure 8 - Example of Errors Introduced When Polygons are Mapped as Points



In cases like this, a facility point may not be located within a given parcel, but the area represented by that point may partially overlap the parcel boundary. Consequently, that parcel would not be associated with that facility. Facility-by-facility checking is necessary to assess and correct this problem. However, it is also possible to include in follow up analyses some practices to partially address the ‘polygons as points’ problem, such as buffering the point facility to give it some aerial extent in the analysis, or using a buffer around the parcel boundaries themselves to allow consideration of points nearby. Both of these approaches require estimating the buffer distance, and this estimate should be logical given what is known about the data in question. Buffer distances could be based on the suspected nature of contamination and its propensity to move through nearby soils and groundwater.

#### **Inaccurately located or reported point features**

In some datasets point feature locations are taken from geocoded street addresses, notably in the TRI and CalGEM data where emitting facilities or wells map in a roadway area or street centerline instead of within a parcel. This problem might also arise in some self-reported records where facilities determine location using a low-accuracy geolocation device (such as a consumer-grade GPS receiver), or errors in a reported address, reporting location of offices or mailing address instead of location of the actual hazard or pollution. Studies that validate datasets of this type have found the error rate to be high ([Sadd et al., 2015](#); [Sadd et al., 2014](#); [Pastor et al., 2013](#)). This data quality problem potentially leads to misclassification or error in associating parcels with polluting facilities in a manner similar to those described above.

Without extensive validation, a time-consuming and resource intensive effort, we see no way to correct this ‘bad input’ problem. It is possible to assess and error-check each record, but this task is well beyond

the scope of this contract. In some cases, there may be more than one data source for some locations, and these sources can be compared and cross-validated.

#### **Opportunities for future brownfield mapping efforts**

Given the data limitations described here, follow-on brownfield mapping efforts may consider on-the-ground validation of environmental data to more deeply investigate the magnitude of inaccuracy associated with each of the environmental datasets. The brownfield identification methods described in this report do not systematically capture local residents' and developers' perceptions of environmental contamination, an integral part of the brownfield definitions. Follow up ground-truthing exercises could engage local residents and stakeholders in the validation of parcels as potential brownfields and further enrich the potential brownfield dataset with new, hyper-local information on perceptions of contamination at sites that are not otherwise captured in existing environmental databases. Integrating community scientists into the brownfield inventory development process will be critical for generating a more accurate database of known and perceived contamination. Follow-up research efforts may also add information to the screening methodology on local soil and groundwater conditions to estimate how contamination may spread across the environment.

## References

- Amekudzi, A., & Fomunung, I. (2004). Integrating brownfields redevelopment with transportation planning. *Journal of urban planning and development*, 130(4), 204-212.  
[https://doi.org/10.1061/\(ASCE\)0733-9488\(2004\)130:4\(204\)](https://doi.org/10.1061/(ASCE)0733-9488(2004)130:4(204))
- American Planning Association. (2012). APA Policy Guide on Smart Growth. *APA Policy Guides*.  
<https://www.planning.org/policy/guides/adopted/smartgrowth.htm>
- Brodsky, C. (2007). How many brownfields does California have? *Center for Creative Land Recycling*.  
<https://www.cclr.org/wp-content/uploads/2021/06/how-many-brownfields-in-ca.pdf>
- California Protected Areas Database (CPAD). (2023, June). [www.calands.org](http://www.calands.org)
- City of Dallas (2001). Brownfields Program Site Prioritization Process.  
<https://dallascityhall.com/departments/OEQ/brownfields/Pages/default.aspx>
- Department of Toxic Substances Control (DTSC). (2023). *Brownfields*. Dtsc.ca.gov.  
<https://dtsc.ca.gov/brownfields/>
- Heberle, L., & Wernstedt, K. (2006). Understanding brownfields regeneration in the US. *Local Environment*, 11(5), 479-497.  
<https://www.tandfonline.com/doi/abs/10.1080/13549830600853064>
- Jantarasami, L.C., R. Novak, R. Delgado, E. Marino, S. McNeely, C. Narducci, J. Raymond-Yakoubian, L. Singletary, and K. Powys Whyte, 2018: Tribes and Indigenous Peoples. In *Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II* [Reidmiller, D.R., C.W. Avery, D.R. Easterling, K.E. Kunkel, K.L.M. Lewis, T.K. Maycock, and B.C. Stewart (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, pp. 572–603. doi: 10.7930/NCA4.2018.CH15. Available: <https://nca2018.globalchange.gov/chapter/15/>
- Lee, S., & Mohai, P. (2013). The socioeconomic dimensions of brownfield cleanup in the Detroit region. *Population and Environment*, 34, 420-429.  
<https://link.springer.com/article/10.1007/s11111-011-0163-z>
- Pastor, M., Morello-Frosch, R., & Sadd, JL (2013). Proactive Spatial Approaches to Environmental Disparities, EM Air and Waste Management, August 2013. p. 14-17.  
<https://escholarship.org/uc/item/2br7w75m>
- Renas, M., & Shorofsky, B. (2016). Community-Based Prioritization of a Brownfield Site Inventory for Redevelopment. In Geo-Chicago 2016 (pp. 591-601).  
<https://doi.org/10.1061/9780784480168.058>
- Sadd, J. L., Hall, E. S., Pastor, M., Morello-Frosch, R. A., Lowe-Liang, D., Hayes, J., & Swanson, C. (2015). Ground-Truthing Validation to Assess the Effect of Facility Locational Error on Cumulative Impacts Screening Tools. *Geography Journal*, 2015, 324683.  
<https://doi.org/10.1155/2015/324683>

Sadd, J., Morello-Frosch, R., Pastor, M., Matsuoka, M., Prichard, M., & Carter, V. (2014). The Truth, the Whole Truth, and Nothing but the Ground-Truth: Methods to Advance Environmental Justice and Researcher–Community Partnerships. *Health Education & Behavior*, 41(3), 281-290.  
<https://doi.org/10.1177/1090198113511816>

San Diego Association of Governments (SANDAG). (2023, May). Affordable Housing Case Studies: Paradise Creek. <https://opendata.sandag.org/download/a2us-qppf/application%2Fpdf>

Swickard, T. J. (2008). Regulatory incentives to promote private sector brownfield remediation and reuse. *Soil & Sediment Contamination*, 17(2), 121-136.  
<https://www.tandfonline.com/doi/abs/10.1080/15320380701870393>

The White House. (2002, January 11). *Fact Sheet on Brownfields*. National Archives and Records Administration.  
<https://georgewbush-whitehouse.archives.gov/news/releases/2002/01/20020111-4.html>

The United States Census Bureau Department of Commerce (2020). *2020 TIGER/Line Shapefile on American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas*.  
<https://catalog.data.gov/dataset/tiger-line-shapefile-2020-nation-u-s-american-indian-alaska-native-native-hawaiian-aiannh-areas>

The United States Conference of Mayors. (2006). Recycling America's Land: A national report on brownfields redevelopment. Report available at:  
<https://www.csu.edu/cerc/documents/RecyclingAmericasLand2006.pdf>

The United States Department of Defense (US DOD). (2023). USA Federal Lands, Feature Layer. *ArcGIS REST Services Directory*.  
[https://services.arcgis.com/P3ePLMYs2RVChkJx/arcgis/rest/services/USA\\_Department\\_of\\_Defense\\_Lands/FeatureServer/layers](https://services.arcgis.com/P3ePLMYs2RVChkJx/arcgis/rest/services/USA_Department_of_Defense_Lands/FeatureServer/layers)

United States Department of the Interior. (2017, August 19). *What is a federal Indian Reservation?*. What is a federal Indian reservation? | Indian Affairs.  
<https://www.bia.gov/faqs/what-federal-indian-reservation>

United States Department of Transportation (US DOT). (2022). *Metropolitan Planning Organization (MPO)*. Metropolitan Planning Organization (MPO) | FTA.  
<https://www.transit.dot.gov/regulations-and-guidance/transportation-planning/metropolitan-planning-organization-mpo>

United States Environmental Protection Agency (US EPA). (2016). Community Reuse Property Prioritization Tool. EPA.  
[https://www.epa.gov/sites/default/files/2016-10/documents/epa\\_community\\_tool\\_handbook\\_508\\_093016.pdf](https://www.epa.gov/sites/default/files/2016-10/documents/epa_community_tool_handbook_508_093016.pdf)

United States Environmental Protection Agency (US EPA). (2023). *Petroleum Brownfields*. EPA.  
<https://www.epa.gov/ust/petroleum-brownfields>

United States Environmental Protection Agency (US EPA). (2024a). Brownfield Grant Recipient Success Stories. EPA. <https://www.epa.gov/brownfields/brownfield-grant-recipient-success-stories>

United States Environmental Protection Agency (US EPA). (2024b). Brownfields: About.  
<https://www.epa.gov/brownfields/about>

United States Government Accountability Office (GAO). (2004). Brownfield Redevelopment: Stakeholders Report that EPA's Program Helps to Redevelop Sites, But Additional Measures Could Complement Agency: Report to Congressional Requesters. US Government Accountability Office.  
<https://www.gao.gov/products/gao-05-94>

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**Appendix 1 - Original Parcel Land Use Codes**

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# of Parcels with Original Use Code	Original Use Code	Consolidated Use Code
11	ABANDONED SITE, CONTAMINATED SITE	ABANDONED/CONTAMINATED
125	DUMP SITE	ABANDONED/CONTAMINATED
29,689	AGRICULTURAL / RURAL (GENERAL)	AGRICULTURAL
28,200	CROP LAND, FIELD CROPS, ROW CROPS (ALL SOIL CLASSES)	AGRICULTURAL
1,395	DAIRY FARM	AGRICULTURAL
26,369	FARM (IRRIGATED OR DRY)	AGRICULTURAL
51	FEEDLOTS	AGRICULTURAL
38	GRAIN ELEVATOR	AGRICULTURAL
105	GROVE (AGRICULTURAL)	AGRICULTURAL
596	HORTICULTURE, GROWING HOUSES, ORNAMENTAL (AGRICULTURAL)	AGRICULTURAL
1,836	LIVESTOCK	AGRICULTURAL
37,274	ORCHARD (FRUIT; NUT)	AGRICULTURAL
27,062	PASTURE, MEADOW	AGRICULTURAL
481	POULTRY FARM (CHICKEN; TURKEY; FISH; BEES; RABBITS)	AGRICULTURAL
5,259	RANCH	AGRICULTURAL
19,835	RANGE LAND (GRAZING)	AGRICULTURAL
167,725	RURAL RESIDENCE (AGRICULTURAL)	AGRICULTURAL
15	SLAUGHTER HOUSE, STOCKYARD	AGRICULTURAL
1,130	TRUCK CROPS	AGRICULTURAL
18,274	VINEYARD (AGRICULTURAL)	AGRICULTURAL
527	WELL SITE (AGRICULTURAL)	AGRICULTURAL
686	WINERY	AGRICULTURAL
43	LABOR CAMPS (INDUSTRIAL)	AGRICULTURAL
1,838	MISC. STRUCTURES - RANCH, FARM, FIXTURES	AGRICULTURAL
16,305	AUTO REPAIR (& RELATED), GARAGE	AUTO REPAIR
850	CAMPGROUND, RV PARK	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
7,093	FOREST (PARK; RESERVE; RECREATION, CONSERVATION)	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
71	OUTDOOR RECREATION: BEACH, MOUNTAIN, DESERT	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
3,633	PARK, PLAYGROUND, PICNIC AREA	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
27,452	PRIVATE PRESERVE, OPEN SPACE-VACANT LAND (FOREST LAND, CONSERVATION)	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
123	RECREATIONAL NON-TAXABLE (CAMPS, BOY SCOUTS)	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
14,602	RECREATIONAL/ENTERTAINMENT (GENERAL)	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
202	RIDING STABLE, TRAILS	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
9	WILDLIFE (REFUGE)	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
53	PUBLIC SWIMMING POOL	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
82	RACQUET COURT, TENNIS COURT	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
70	RECREATION CENTER	CAMPGROUND, PARK, RECREATIONAL, OPEN SPACE
1,406	CAR WASH	CAR WASH
1,040	CEMETERY (EXEMPT)	CEMETERY
236	CREMATORIUM, MORTUARY (EXEMPT)	COMMERCIAL
303	FUNERAL HOME, MORTUARY (COMMERCIAL)	COMMERCIAL
179	AMUSEMENT PARK, TOURIST ATTRACTION	COMMERCIAL
282	APPLIANCE STORE (CIRCUIT CITY, GOOD GUYS, BEST BUY)	COMMERCIAL
26	ARCades (AMUSEMENT)	COMMERCIAL
7	ARENAs, CONVENTION CENTER	COMMERCIAL
253	AUDITORIUMS	COMMERCIAL
158	BAKERY	COMMERCIAL
392	BAR, TAVERN	COMMERCIAL
212	BOWLING ALLEY	COMMERCIAL
20	CASINO	COMMERCIAL
2,086	CLUBS, LODGES, PROFESSIONAL ASSOCIATIONS	COMMERCIAL
59,110	COMMERCIAL (GENERAL)	COMMERCIAL
7,997	COMMERCIAL BUILDING, MAIL ORDER, SHOW ROOM (NON-AUTO), COMMERCIAL WHSE	COMMERCIAL
6,323	COMMERCIAL OFFICE (GENERAL)	COMMERCIAL
554	COMMON AREA (COMMERCIAL, NOT SHOPPING CENTER OR ASSOCIATION ASMNT.)	COMMERCIAL
3,467	COMMON AREA (MISC.)	COMMERCIAL
6,344	COMMUNITY: SHOPPING PLAZA, SHOPPING CENTER, MINI-MALL	COMMERCIAL
1,149	CONVENIENCE STORE (7-11)	COMMERCIAL
100	COUNTRY CLUB	COMMERCIAL
33	DANCE HALL	COMMERCIAL
587	DEPARTMENT STORE (APPAREL, HOUSEHOLD GOODS, FURNITURE)	COMMERCIAL
6	DEPARTMENT STORE (MULTI-STORY)	COMMERCIAL
72	DISTILLERY, BREWERY, BOTTLING	COMMERCIAL
21	DRIVE-IN THEATER	COMMERCIAL
4,285	DRIVE-THRU RESTAURANT, FAST FOOD	COMMERCIAL
202	DRUG STORE / PHARMACY	COMMERCIAL
232	FARM SUPPLY & EQUIPMENT (COMMERCIAL)	COMMERCIAL
3,411	FINANCIAL BLDG (BANK, S&L; MTGE; LOAN; CREDIT)	COMMERCIAL
1,149	FLORIST, NURSERY, GREENHOUSE (RETAIL/WHOLESALE)	COMMERCIAL
31	GARDEN CENTER, HOME IMPROVEMENT (DO-IT-YOURSELF)	COMMERCIAL
4	GO-CARTS, MINIATURE GOLF, WATER SLIDES	COMMERCIAL
3,015	GROCERY, SUPERMARKET	COMMERCIAL

# of Parcels with Original Use Code	Original Use Code	Consolidated Use Code
	446 GYM, HEALTH SPA	COMMERCIAL
	149 KENNEL	COMMERCIAL
	129 LAUNDROMAT (SELF-SERVICE)	COMMERCIAL
	11 LIQUOR STORE	COMMERCIAL
	119 MUSEUMS, LIBRARY, ART GALLERY (RECREATIONAL)	COMMERCIAL
9,511	NEIGHBORHOOD: SHOPPING CENTER, STRIP CENTER, ENTERPRISE ZONE	COMMERCIAL
	140 NIGHTCLUB (COCKTAIL LOUNGE)	COMMERCIAL
28,089	OFFICE BLDG (GENERAL)	COMMERCIAL
	3,427 OFFICE BLDG (MULTI-STORY)	COMMERCIAL
	3 POOL HALL, BILLIARD PARLOR	COMMERCIAL
	318 POST OFFICE	COMMERCIAL
	75 PRINTER - RETAIL (PIP, QWIKCOPY, ETC.)	COMMERCIAL
8,994	PROFESSIONAL BLDG (LEGAL; INSURANCE; REAL ESTATE; BUSINESS)	COMMERCIAL
1,839	R&D FACILITY, LABORATORY, RESEARCH FACILITY, COSMETICS, PHARMACEUTICAL	COMMERCIAL
	111 RACE TRACK (AUTO; DOG; HORSE)	COMMERCIAL
4,706	REGIONAL: SHOPPING CENTER, MALL (W/ANCHOR)	COMMERCIAL
19,414	RELIGIOUS, CHURCH, WORSHIP (SYNAGOGUE, TEMPLE, PARSONAGE)	COMMERCIAL
15,684	RESTAURANT	COMMERCIAL
74,276	RETAIL STORES ( PERSONAL SERVICES, PHOTOGRAPHY, TRAVEL)	COMMERCIAL
2,605	SERVICE SHOP (TV, RADIO, ELECTRIC, PLUMBING)	COMMERCIAL
	11 SHOPPING CENTER COMMON AREA (PARKING, ETC.)	COMMERCIAL
	80 SKATING RINK, ICE SKATING, ROLLER SKATING	COMMERCIAL
5,284	SKYSCRAPER/HIGHRISE (COMMERCIAL OFFICES)	COMMERCIAL
	20 STADIUMS	COMMERCIAL
1,893	STORE (MULTI-STORY)	COMMERCIAL
	730 TAKE-OUT RESTAURANT (FOOD PREPARATION)	COMMERCIAL
	479 THEATER (MOVIE AND LEGITIMATE)	COMMERCIAL
6,560	VEHICLE RENTALS, VEHICLE SALES (AUTO/TRUCK/RV/BOAT/ETC.)	COMMERCIAL
	822 WHOLESALE OUTLET, DISCOUNT STORE (FRANCHISE)	COMMERCIAL
	95 CABLE TV STATION	COMMERCIAL
9,969	CONDOMINIUM OFFICES	COMMERCIAL
1,220	RADIO OR TV STATION	COMMERCIAL
	243 BED & BREAKFAST	COMMERCIAL
1,926	BOARDING HOUSE, ROOMING HOUSE, APT HOTEL, TRANSIENT LODGINGS	COMMERCIAL
	87 DORMITORY, GROUP QUARTERS (RESIDENTIAL)	COMMERCIAL
	285 FRATERNITY HOUSE, SORORITY HOUSE	COMMERCIAL
	397 HOSPITAL-PUBLIC	COMMERCIAL
2,706	HOTEL	COMMERCIAL
	101 HOTEL-RESORT	COMMERCIAL
2,994	HOTEL/MOTEL	COMMERCIAL
3,874	MOTEL	COMMERCIAL
	13 COMMUNICATIONS (SEE 6500 SERIES)	COMMUNICATIONS
	31 CULTURAL, HISTORICAL (MONUMENTS; HOMES; MUSEUMS; OTHER)	CULTURAL/COMMUNITY
2,462	COMMUNITY CENTER (EXEMPT)	CULTURAL/COMMUNITY
1,108	CHARITABLE ORGANIZATION, FRATERNAL	CULTURAL/COMMUNITY
	150 DRY CLEANER, LAUNDRY	DRY CLEANER
	259 COLLEGE, UNIVERSITY, VOCATIONAL SCHOOL-PRIVATE	EDUCATION
	628 COLLEGES, UNIVERSITY-PUBLIC	EDUCATION
2,584	PAROCHIAL SCHOOL, PRIVATE SCHOOL	EDUCATION
13,329	PUBLIC SCHOOL (ADMINISTRATION; CAMPUS; DORMS; INSTRUCTION)	EDUCATION
	298 EMERGENCY (POLICE; FIRE; RESCUE; SHELTERS, ANIMAL SHELTER)	EMERGENCY
	121 FISH CAMPS, GAME CLUB, TARGET SHOOTING	FISH CAMPS, GAME CLUB, TARGET SHOOTING
	705 CONVENIENCE STORE (W/FUEL PUMP)	GAS STATION
1,786	GAS STATION	GAS STATION
	4,971 SERVICE STATION (FULL SERVICE)	GAS STATION
1,139	SERVICE STATION W/CONVENIENCE STORE (FOOD MART)	GAS STATION
	10 DRIVING RANGE (GOLF)	GOLF COURSE
1,619	GOLF COURSE	GOLF COURSE
	873 GOVT. ADMINISTRATIVE OFFICE (FEDERAL; STATE; LOCAL; COURT HOUSE)	GOVERNMENT
5,270	STATE OWNED (EXEMPT)	GOVERNMENT
45,203	GOVERNMENTAL/PUBLIC USE (GENERAL)	GOVERNMENT
13,848	CITY, MUNICIPAL, TOWN, VILLAGE OWNED (EXEMPT)	GOVERNMENT
5,897	COUNTY OWNED (EXEMPT)	GOVERNMENT
19,160	FEDERAL PROPERTY (EXEMPT)	GOVERNMENT
	124 FOUNDRY, INDUSTRIAL PLANT (METAL; RUBBER; PLASTIC)	HEAVY INDUSTRIAL
1,768	HEAVY INDUSTRIAL (GENERAL)	HEAVY INDUSTRIAL
	468 REFINERY, PETROLEUM PRODUCTS	HEAVY INDUSTRIAL
	884 PROCESSING PLANT (MINERALS; CEMENT; ROCK; GRAVEL; GLASS; CLAY)	HEAVY INDUSTRIAL
1,910	HEAVY MANUFACTURING	HEAVY MANUFACTURING
	130 COMMON AREA (INDUSTRIAL)	INDUSTRIAL
8,589	CONDOMINIUMS (INDUSTRIAL)	INDUSTRIAL
1,270	CONSTRUCTION/CONTRACTING SERVICES (INDUSTRIAL)	INDUSTRIAL

# of Parcels with		
Original Use Code	Original Use Code	Consolidated Use Code
20,850	INDUSTRIAL (GENERAL)	INDUSTRIAL
777	INDUSTRIAL LOFT BUILDING, LOFT BUILDING	INDUSTRIAL
698	INDUSTRIAL PARK	INDUSTRIAL
1,087	MULTI-TENANT INDUSTRIAL BLDG.	INDUSTRIAL
33,010	WAREHOUSE (INDUSTRIAL)	INDUSTRIAL
2,557	IRRIGATION, FLOOD CONTROL	IRRIGATION
376	STORAGE YARD (JUNK; AUTO WRECKING, SALVAGE)	JUNK YARD
1,366	STORAGE YARD, OPEN STORAGE (LIGHT EQUIPMENT, MATERIAL)	JUNK YARD
89	ASSEMBLY (LIGHT INDUSTRIAL)	LIGHT INDUSTRIAL
11,832	LIGHT INDUSTRIAL (10% IMPROVED OFFICE SPACE; MACHINE SHOP)	LIGHT INDUSTRIAL
100	PRINTING & PUBLISHING (LIGHT INDUSTRIAL)	LIGHT INDUSTRIAL
77	CANNERY	LIGHT INDUSTRIAL
478	FOOD PACKING, PACKING PLANT (FRUIT; VEGETABLE; MEAT, DAIRY)	LIGHT INDUSTRIAL
1,264	FOOD PROCESSING (CANDY; BAKERY; POTATO CHIPS)	LIGHT INDUSTRIAL
31,813	MANUFACTURING (LIGHT)	LIGHT MANUFACTURING
243	CHEMICAL	MANUFACTURING
67	FACTORY (APPAREL, TEXTILE PRODUCTS, LEATHER, MEDIUM MFG.)	MANUFACTURING
1	PAPER PRODUCT MFG & RELATED PRODUCTS	MANUFACTURING
35	LUMBER & WOOD PRODUCT MFG (INCLUDING FURNITURE)	MANUFACTURING
1,009	LUMBERYARD, BUILDING MATERIALS	MANUFACTURING
810	BOAT SLIPS, MARINA, YACHT CLUB (RECREATION/PLEASURE), BOAT LANDING	MARINE
300	HARBOR & MARINE TRANSPORTATION	MARINE
8	PIERS, WHARF (RECREATION)	MARINE
12	SHIPYARD/STORAGE - BUILT OR REPAIRED (SEAGOING VESSELS)	MARINE
1,323	DENTAL BLDG	MEDICAL
722	HOSPITAL-PRIVATE	MEDICAL
10,607	MEDICAL BLDG	MEDICAL
75	MEDICAL CLINIC	MEDICAL
89	PUBLIC HEALTH CARE FACILITY (EXEMPT)	MEDICAL
547	VETERINARY, ANIMAL HOSPITAL	MEDICAL
173	MILITARY (OFFICE; BASE; POST; PORT; RESERVE; WEAPON RANGE; TEST SITES)	MILITARY
141	MILL (FEED; GRAIN; PAPER; LUMBER; TEXTILE; PULP)	MILL
708	MINING (OIL; GAS; MINERAL, PRECIOUS METALS)	MINING
388	QUARRIES (SAND; GRAVEL; ROCK)	MINING
18,499	COMM/OFC/RES MIXED USE	MIXED
6,510	STORE/OFFICE (MIXED USE)	MIXED
1,648	STORES & APARTMENTS	MIXED
1,975	MIXED USE (COMMERCIAL/INDUSTRIAL)	MIXED
102	SUB-SURFACE RIGHTS (MINERAL)	NATURAL RESOURCE
5	SURFACE RIGHTS (GRAZING, TIMBER, COAL, ETC.)	NATURAL RESOURCE
26,728	TIMBERLAND, FOREST, TREES (AGRICULTURAL)	NATURAL RESOURCE
720	NATURAL RESOURCES	NATURAL RESOURCE
418	BULK STORAGE, TANKS (GASOLINE, FUEL, ETC.)	OIL GAS
1,072	PETROLEUM & GAS WELLS (MISC.)	OIL GAS
1,435	PARKING GARAGE, PARKING STRUCTURE	PARKING
19,578	PARKING LOT	PARKING
1,244	PIPELINE OR RIGHT-OF-WAY	Pipeline
173	RAIL (RIGHT-OF-WAY & TRACK)	RAIL
502	RAILROAD & RELATED	RAIL
442	RECYCLING (METAL; PAPER; GLASS; ETC.)	RECYCLING
153	REDEVELOPMENT AGENCY OR ZONE	REDEVELOPMENT ZONE
1,725	APARTMENT HOUSE (100+ UNITS)	RESIDENTIAL
119,097	APARTMENT HOUSE (5+ UNITS)	RESIDENTIAL
35,869	APARTMENTS (GENERIC)	RESIDENTIAL
51,550	CLUSTER HOME (RESIDENTIAL)	RESIDENTIAL
1,113	COMMERCIAL CONDOMINIUM (NOT OFFICES)	RESIDENTIAL
1,111,511	CONDOMINIUM (RESIDENTIAL)	RESIDENTIAL
4,047	COOPERATIVE (RESIDENTIAL)	RESIDENTIAL
242,756	DUPLEX (2 UNITS, ANY COMBINATION)	RESIDENTIAL
275	GARDEN APT, COURT APT (5+ UNITS)	RESIDENTIAL
20	HIGHRISE APARTMENTS	RESIDENTIAL
31	HISTORICAL-PRIVATE (GENERAL)	RESIDENTIAL
5	HISTORICAL OFFICE	RESIDENTIAL
95	HISTORICAL RESIDENCE	RESIDENTIAL
9,881	MANUFACTURED, MODULAR, PRE-FABRICATED HOMES	RESIDENTIAL
17,249	MISC RESIDENTIAL IMPROVEMENT	RESIDENTIAL
308,615	MOBILE HOME	RESIDENTIAL
9,154	MOBILE HOME PARK, TRAILER PARK	RESIDENTIAL
73,333	MULTI-FAMILY DWELLINGS (GENERIC, ANY COMBINATION 2+)	RESIDENTIAL
161,453	PLANNED UNIT DEVELOPMENT (PUD) (RESIDENTIAL)	RESIDENTIAL
63,759	QUADRUPLEX (4 UNITS, ANY COMBINATION)	RESIDENTIAL
25,710	RESIDENTIAL (GENERAL) (SINGLE)	RESIDENTIAL

# of Parcels with Original Use Code	Original Use Code	Consolidated Use Code
19,375	RESIDENTIAL COMMON AREA (CONDO/PUD/ETC.)	RESIDENTIAL
19,961	RESIDENTIAL INCOME (GENERAL) (MULTI-FAMILY)	RESIDENTIAL
75	ROW HOUSE (RESIDENTIAL)	RESIDENTIAL
14,927	SEASONAL, CABIN, VACATION RESIDENCE	RESIDENTIAL
7,278,077	SINGLE FAMILY RESIDENTIAL	RESIDENTIAL
270,619	TIMESHARE (RESIDENTIAL)	RESIDENTIAL
45,458	TOWNHOUSE (RESIDENTIAL)	RESIDENTIAL
61,304	TRIPLEX (3 UNITS, ANY COMBINATION)	RESIDENTIAL
7,845	ZERO LOT LINE (RESIDENTIAL)	RESIDENTIAL
11,230	WELFARE, SOCIAL SERVICE, LOW INCOME HOUSING (EXEMPT)	RESIDENTIAL
23	CORRECTIONAL FACILITY, JAILS, PRISONS, INSANE ASYLUM	RESIDENTIAL
567	RIGHT-OF-WAY (NOT RAIL, ROAD OR UTILITY)	ROAD/HIGHWAY
1,767	ROAD (RIGHT-OF-WAY)	ROAD/HIGHWAY
4,577	ROADS, STREETS, BRIDGES	ROAD/HIGHWAY
539	UTILITIES (RIGHT-OF-WAY ONLY)	ROAD/HIGHWAY
1,521	FREeways, STATE HWYS	ROAD/HIGHWAY
2,980	RURAL IMPROVED / NON-RESIDENTIAL	RURAL
18	CHILDREN'S HOME, ORPHANAGE	SENSITIVE USE
801	DAY CARE, PRE-SCHOOL (COMMERCIAL)	SENSITIVE USE
4,140	HOMES (RETIREd; HANDICAP, REST; CONVALESCENT; NURSING)	SENSITIVE USE
1,410	AIRPORT & RELATED	TRANSPORTATION
147	BUS TERMINAL	TRANSPORTATION
53	TRANSPORTATION	TRANSPORTATION
688	TRANSPORTATION & COMMUNICATIONS (GENERAL)	TRANSPORTATION
437	TRUCK TERMINAL (MOTOR FREIGHT)	TRANSPORTATION
255	INDIAN LANDS	TRIBAL
165	UNDER CONSTRUCTION	UNDER CONSTRUCTION
178,619		UNKNOWN
28,430		UNKNOWN
89,170	MISCELLANEOUS (GENERAL)	UNKNOWN
125	CENTRALLY ASSESSED	UNKNOWN
467	EASEMENT (MISC.)	UNKNOWN
26,781	EXEMPT (FULL OR PARTIAL)	UNKNOWN
562	IMPROVED, USE NOT SPECIFIED	UNKNOWN
1,297	INSTITUTIONAL (GENERAL)	UNKNOWN
8	LEASEHOLD RIGHTS (MISC.)	UNKNOWN
1,176	OTHER EXEMPT PROPERTY	UNKNOWN
7,146	POSSESSORY INTEREST (MISC.)	UNKNOWN
998	SBE - SPECIAL ASSESSMENTS	UNKNOWN
42	SPECIAL PURPOSE	UNKNOWN
1	STRUCTURES ON LEASED LAND (MAY INCLUDE MOBILE HOMES -- SEE "MH LAND USE")	UNKNOWN
80	UNUSABLE LAND (REMNANT, STEEP, ETC.)	UNUSABLE
5,164	WASTE LAND, MARSH, SWAMP, SUBMERGED-VACANT LAND	UNUSABLE
13,289	PRIVATE UTILITY (ELECTRIC; WATER; GAS; ETC.)	UTILITY
8,939	PUBLIC UTILITY (ELECTRIC; WATER; GAS; ETC.)	UTILITY
155	TELEGRAPH, TELEPHONE	UTILITY
86,003	AGRICULTURAL-UNIMPROVED VACANT LAND	VACANT
76,896	COMMERCIAL-VACANT LAND	VACANT
48,659	DESERT OR BARREN LAND	VACANT
43,714	GOVERNMENT-VACANT LAND	VACANT
41,370	INDUSTRIAL-VACANT LAND	VACANT
1,329	INSTITUTIONAL-VACANT LAND	VACANT
18,458	MULTI-FAMILY-VACANT LAND	VACANT
25,640	RECREATIONAL-VACANT LAND	VACANT
724,010	RESIDENTIAL-VACANT LAND	VACANT
207,073	VACANT LAND (GENERAL)	VACANT
164	COLD STORAGE	WAREHOUSE
2,498	DISTRIBUTION WAREHOUSE (REGIONAL)	WAREHOUSE
4,473	MINI-WAREHOUSE, STORAGE	WAREHOUSE
930	WASTE DISPOSAL, SEWAGE (PROCESSING; DISPOSAL; STORAGE; TREATMENT)	WASTE DISPOSAL
1,426	WATER AREA (LAKES; RIVER; SHORE)-VACANT LAND	WATER
974	RESERVOIR, WATER SUPPLY	WATER
1,641	WATER RIGHTS (MISC.)	WATER

**Appendix 2 - NAICS Codes Used for Data Axle Query**

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NAICS Code	label	sic_codes
11211101	Beef Cattle-Except Feedlots	21202
11211102	Cattle-Registered	21203
11211103	Livestock Producers	21201
11211201	Livestock Feeding	21101
11212001	Dairies (Milk)	24101
11212002	Dairy Farms	24103
11221002	Hogs	21398
21112001	Gas Boosters	131102
21112002	Oil & Gas Producers	131101
21112003	Oil & Gas-Production	131104
21112004	Oil Companies	131103
21112005	Oil Operators	131105
21112006	Oil Crude	131106
21112007	Petroleum Contractors	131107
21112008	Petrochemical Contractors	131108
21113001	Natural Gas Liquids	132198
21211401	Coal Mining & Shipping	122102
21211402	Coal Washing	122101
21211403	Anthracite Mining	123198
21211501	Bituminous Coal-Underground Mining	122298
21221001	Iron-Ore	101198
21222001	Gold Ores	104198
21222002	Gold Panning	104101
21222003	Prospectors	104102
21222004	Silver Ores	104498
21223001	Lead & Zinc Ores	103198
21223002	Copper Ores	102198
21229001	Uranium	109401
21229002	Ferroalloy Ores Except Vanadium	106198
21229003	Miscellaneous Metal Ores NEC	109999
21229004	Ore	109901
21231902	Crushed & Broken Stone NEC	142999
21231903	Rock Splitting	142902
21231907	Stone-Crushed	142901
21232101	Construction-Sand & Gravel	144202
21232102	Quarries	144201
21232104	Gravel Consultants	144204
21232105	Sand & Gravel-Mfrs	144203
21311101	Contractors-Oil Field	138101
21311102	Drilling-Diamond Core	138105
21311103	Drilling-Oil & Gas Wells	138198
21311104	Gas Well Drilling	138103
21311105	Oil Well Directional Drilling	138104
21311106	Oil Well Drilling	138102
21311108	Drilling Companies	138107
21311109	Oil & Gas Services	138208
21311201	Lubrication Consultants	138213
21311202	Oil & Gas Consultant	138204
21311203	Oil & Gas Exploration & Development	138203
21311204	Oil & Gas-Field Services NEC	138999
21311205	Oil Field Equipment-Repairing	138901
21311206	Oil Field Maintenance	138924
21311207	Oil Inspectors	138904
21311208	Oil Reports	138202

NAICS Code	label	sic_codes
21311209	Oil Well Services	138912
21311210	Offshore Platforms/Oil	138918
21311211	Oil Field Compressor Svc	138925
21311212	Oil Field Solids Control	138926
21311213	Well Maintenance Service	138927
21311214	Technical Consultants-Platform Drilling	138207
21311215	Oil Field Welding	138931
21311216	Oil & Gas Field Training	138928
21311217	Pipe Testing	138932
21311218	Oil & Gas Fleet Washing	138934
21311301	Coal Mining Services	124198
21311401	Metal Mining Services	108101
21311501	Nonmetallic Minerals Svc-Except Fuels	148198
22111201	Fossil Fuel Electric Power Generation	493906
22111301	Nuclear Electric Power Generation	493102
22111401	Solar Electric Power Generation	493103
22111601	Geothermal Electric Power Generation	493105
22111701	Biomass Electric Power Generation	493106
22111801	Other Electric Power Generation	493907
22111802	Power Take-Offs	493901
22111803	Water System Billing Management & Supls	493905
22111804	Power Plants	491104
22112101	Electric Bulk Power Transmission & Control	493107
22112201	Electric & Other Services-Combined	493198
22112202	Electric Companies	491101
22121001	Gas & Other Services-Combined	493298
22121002	Gas Companies	492501
22121003	Gas Processors	492502
22121004	Gas Producers	492503
22121005	Gas Recycling Plants	492504
22121006	Gas Systems	493201
22121007	Gas-Natural	492401
22121008	Heat Supplying Companies	492402
22121009	Natural Gas Transmission & Distribution	492398
22121010	Propane-Bulk & Bottle-Delivery	492505
22132001	Sewage Disposal Systems	495201
22132002	Sewage Treatment Consultants	495204
22132003	Sewage Treatment Equipment	495202
22132004	Sewer Companies-Utility	495203
22132005	Sewer System Inspection/Rehabilitation	495205
22133002	Steam & Air Conditioning Supply	496198
22133003	Steam Energy Companies	496102
31331001	Bleachery (Mfrs)	226103
31331002	Finishers-Broadwoven Fbrcs-Manmade	226298
31331003	Flock-Finishing Supplies (Mfrs)	226203
31331004	Flock-Manufacturers & Processors	226102
31331005	Flocking (Mfrs)	226201
31331006	Flocking Equipment & Supplies (Mfrs)	226202
31331007	Garment Curing (Mfrs)	226104
31331008	Haircloth (Mfrs)	223102
31331009	Textile Finishing (Mfrs)	226101
31331010	Upholstery Fabrics-Wholesale	513109
31331011	Woolen Mills (Mfrs)	223101
31331012	Cloth Shrinking & Sponging (Mfrs)	223103

NAICS Code	label	sic_codes
31331013	Chenilles-Wholesale	513148
31331014	Coated Fabrics (Whls)	513126
31331015	Cotton Goods-Converters (Whls)	513114
31331016	Cotton Goods-Wholesale	513113
31331017	Drapery & Curtain Fabrics-Wholesale	513116
31331018	Drapery & Curtain-Mfrs' Supls (Whls)	513150
31331019	Dyers-Industrial (Mfrs)	226902
31331020	Fabrics-Wholesale	513119
31331021	Smocking (Mfrs)	226905
31331022	Finishers Of Textiles NEC (Mfrs)	226998
31331023	Jute (Whls)	513157
31331024	Knit Goods-Contractors (Mfrs)	225901
31331025	Knit Goods-Manufacturers	225904
31331026	Knit Goods-Processing & Dyeing (Mfrs)	225802
31331027	Knit Goods-Wholesale	513118
31331028	Nylon Fabrics (Whls)	513125
31331029	Rayon Fabrics-Wholesale	513102
31331030	Synthetic & Blended Fabrics-Wholesale	513127
31331031	Textile Brokers (Whls)	513103
31331032	Textile Converting (Whls)	513105
31331033	Textile Converting-Manufacturers	226901
31331034	Textile Jobbers (Whls)	513142
31331035	Textiles-Wholesale	513106
31331036	Velvets & Velveteens-Wholesale	513137
31331037	Woolen & Worsted Fabrics (Whls)	513101
31331038	Woolen Goods-Wholesale	513108
31331039	Worsted Goods (Whls)	513152
31331040	Yarn-Texturizing Throwing/Winding Mills	228298
31331041	Cotton Mills (Mfrs)	226903
31331042	Linens-Manufacturers	226904
31331043	Textile Mill Supplies-Manufacturers	229917
31332001	Backing Cloths-Manufacturers	229505
31332002	Buckram (Mfrs)	229504
31332003	Coated Fabrics-Not Rubberized (Mfrs)	229598
31332004	Fabric Laminating & Bonding (Mfrs)	229501
31332005	Leather-Artificial (Mfrs)	229502
31332006	Metallic Fabrics (Mfrs)	229503
31332007	Waterproofing Materials-Manufacturers	229506
31411001	Automobile Floor Coverings-Manufacturers	227302
31411002	Carpet & Rug-Manufacturers	227303
31411003	Carpet & Rug-Weavers (Mfrs)	227301
32111301	Sawmill Consultants (Mfrs)	242106
32111302	Sawmills (Mfrs)	242102
32111303	Sawmills & Planing Mills-General (Mfrs)	242198
32111304	Special Product Sawmills NEC (Mfrs)	242998
32111305	Lumber Sawing Portable (Mfrs)	242108
32111306	Shingles & Shakes-Manufacturers	242901
32111307	Railroad Ties-Manufacturers	242103
32111401	Creosote (Mfrs)	249102
32111402	Lumber-Treating (Mfrs)	249101
32111403	Wood Preservation	249103
32121201	Softwood Veneer & Plywood (Mfrs)	243698
32121901	Hardboard-Fabricators & Manufacturers	249302
32121902	Particle Boards (Mfrs)	249301

NAICS Code	label	sic_codes
32121903	Reconstituted Wood Products (Mfrs)	249398
32121904	Wallboard & Plasterboard-Manufacturers	249304
32211001	Pulp & Pulp Products (Mfrs)	261102
32212001	Card & Paper Finishing (Mfrs)	262106
32212002	Cigarette Papers & Tubes-Manufacturers	262104
32212003	Paper-Manufacturers	262101
32212004	Printing Supplies-Manufacturers	262105
32212005	Paper Towels-Mfrs	262102
32213001	Box-Manufacturers Equip & Supplies-Mfrs	263101
32213002	Paperboard Mills (Mfrs)	263102
32213003	Paper Converters (Mfrs)	261101
32229901	Box Partitions (Mfrs)	267501
32229902	Confetti-Manufacturers	267905
32229903	Converted Paper/Paperbrd Prod NEC (Mfrs)	267998
32229904	Decoration Supplies-Manufacturers	267908
32229905	Disposable Products-Manufacturers	267907
32229906	Gift Wrapping Materials-Manufacturers	267906
32229907	Honeycomb Materials (Mfrs)	267909
32229908	Paper Coating (Mfrs)	267910
32229909	Paper-Box Board (Mfrs)	267901
32229910	Paper-Corrugated (Mfrs)	267903
32229911	Tags-Manufacturers	267902
32311101	Color Separations-Graphic Arts (Mfrs)	275221
32311102	Color Separations-Offset Photo Engrave	275207
32311103	Commercial Printing-Lithographic (Mfrs)	275298
32311104	Lithographic Composition (Mfrs)	275217
32311105	Menu Service (Mfrs)	275206
32311106	Offset Reproductions (Mfrs)	275208
32311107	Plastic Cards (Mfrs)	275219
32311108	Transfers-Dry (Mfrs)	275210
32311109	Printers (Mfrs)	275202
32311110	Calendars-Manufacturers	275212
32311111	Printmaking Workshops (Mfrs)	275220
32311112	Printing Brokers (Mfrs)	275205
32311113	Checks-Printing (Mfrs)	278202
32311114	Commercial Printing-Gravure (Mfrs)	275498
32311115	Engravers-Rotogravure (Mfrs)	275404
32311116	Engravers-Stationery (Mfrs)	275401
32311118	Rotogravure Printers (Mfrs)	275402
32311119	Hot Stamping-Foil Gold & Etc (Mfrs)	275914
32311120	Labels-Plastic Metal Foil & Etc (Mfrs)	275912
32311121	Printers-Cellophane/Foil & Etc (Mfrs)	275919
32311122	Birth Announcements (Mfrs)	277102
32311123	Decals (Mfrs)	275209
32311124	Law & Financial Printers	733402
32311125	Instant Print Services	733411
32311126	Digital Printing (Mfrs)	275935
32311127	Business Forms & Systems-Manufacturers	276103
32311128	Manifold Business Forms (Mfrs)	276104
32311129	Legal Forms-Manufacturers	276105
32311130	Printers-Business Forms (Mfrs)	276101
32311131	Sales & Order Books (Mfrs)	276102
32311132	Printers-Bank Note Cheques Security Etc	276106
32311133	Albums (Photo)-Manufacturers	278204

NAICS Code	label	sic_codes
32311134	Binders-Loose Leaf (Mfrs)	278203
32311135	Blankbooks (Mfrs)	278205
32311136	Blankbooks Looseleaf Bndrs/Devices	278298
32311137	Printers Water Transfer	275937
32311138	Book Backs-Imitation (Mfrs)	278206
32311139	Loose Leaf Equipment Systs & Supls-Mfrs	278201
32311140	Paper Ruling (Mfrs)	278207
32311141	Announcements (Mfrs)	275216
32311142	Bands & Wrappers-Printed (Mfrs)	275929
32311143	Baseball & Trading Cards-Manufacturers	275933
32311144	Bottle Wrappers (Mfrs)	275930
32311145	Bottles-Printing (Mfrs)	275905
32311146	Business Cards (Mfrs)	275908
32311147	Cold Type Composition (Mfrs)	275907
32311148	Commercial Printing NEC (Mfrs)	275998
32311149	Embossing (Mfrs)	275909
32311150	Engravers-Bank Note (Mfrs)	275928
32311151	Gift Certificates-Preprinted (Mfrs)	275931
32311152	Greeting Cards (Mfrs)	277101
32311153	Imprinting (Mfrs)	275911
32311154	Invitations & Announcements-Mfrs	275924
32311155	Jackets-Promotional (Mfrs)	275925
32311156	Labels (Mfrs)	275910
32311157	Linotype Composition (Mfrs)	275922
32311158	Menu Covers (Mfrs)	275927
32311159	Menu Printers (Mfrs)	275917
32311160	Music-Manuscript Reproductions (Mfrs)	275920
32311161	Paper-Adhesive/Pressure Sensitive (Mfrs)	275901
32311162	Playing Cards (Mfrs)	275918
32311163	Post Cards-Manufacturers	275201
32311164	Posters (Mfrs)	275203
32311165	Matrices (Mfrs)	275934
32311166	Printers-Finishing (Mfrs)	275923
32311167	Printers-Glass/Metal/Plastic Etc (Mfrs)	275903
32311168	Printing-Management Services (Mfrs)	275915
32311169	Programs (Mfrs)	275926
32311170	Steel Stamps (Mfrs)	275932
32311171	Stock Certificates (Mfrs)	275913
32311172	Thermographers (Mfrs)	275904
32311173	Tickets & Coupons-Printers/Supls (Mfrs)	275906
32311174	Pad Printing (Mfrs)	275936
32411001	Automobile-Oil Refiners-Manufacturers	291106
32411002	Oils Fuel Mfrs	291103
32411003	Gas Plants (Mfrs)	291109
32411004	Mineral Spirits (Mfrs)	291108
32411005	Oil Recovery-Enhanced (Mfrs)	291111
32411006	Oil Refiners (Mfrs)	291101
32411007	Oils-Mineral (Mfrs)	291110
32411008	Oils-Petroleum-Manufacturers	291104
32411009	Oils-Re-Refined (Mfrs)	291102
32411010	Petroleum Products-Manufacturers	291105
32411011	Oils-Fuel-Alternative (Mfrs)	291112
32412101	Asphalt & Asphalt Products-Manufacturers	295101
32412102	Patching & Patching Materials (Mfrs)	295102

NAICS Code	label	sic_codes
32412103	Paving Materials-Manufacturers	295103
32412201	Asphalt Felts & Coatings (Mfrs)	295298
32412202	Roofing Materials-Manufacturers	295201
32419101	Brake Fluids-Manufacturers	299204
32419102	Cutting Compounds (Mfrs)	299203
32419103	Drawing & Extruding Compounds (Mfrs)	299205
32419104	Gasoline Additive-Manufacturers	299201
32419105	Lubricants-Manufacturers	299202
32419106	Lubricating Oils & Greases (Mfrs)	299298
32419901	Briquettes (Mfrs)	299901
32419902	Coil Tubing (Manufacturers)	331214
32419903	Coils-Pipe (Manufacturers)	331216
32419904	Coils-Plate (Manufacturers)	331215
32419905	Hydroforming (Manufacturers)	331217
32419906	Products Of Petroleum & Coal NEC (Mfrs)	299998
32419907	Coal By-Products	299902
32511001	Petrochemical Manufacturing	286909
32512001	Gas-Ind & Medical-Cylinder & Bulk-Mfrs	281301
32512002	Hydrogen (Mfrs)	281303
32512003	Gases-Industrial & Medical (Mfrs)	281304
32513001	Bronze Powders & Liquids (Mfrs)	281605
32513002	Colors & Pigments-Manufacturers	281602
32513003	Inorganic Pigments (Mfrs)	281698
32513004	Iron-Oxide (Mfrs)	281606
32513005	Titanium (Mfrs)	281601
32513006	Cyclic Organic Crudes/Dyes/Pgmnts (Mfrs)	286598
32513007	Dyes & Dyestuffs-Manufacturers	286502
32513008	Paint-Manufacturing Materials-Mfrs	286503
32513009	Color Cards (Mfrs)	286504
32518001	Alkalies (Mfrs)	281202
32518002	Alkalies & Chlorine (Mfrs)	281298
32518003	Chlorine-Manufacturers	281203
32518004	Potash (Mfrs)	281201
32518005	Soda Ash (Mfrs)	281204
32518006	Soda Bicarbonate (Mfrs)	281205
32518007	Carbon Black-Manufacturers	289501
32518008	Lamp-Black (Mfrs)	281603
32518009	Pearl Essence (Mfrs)	281604
32518010	Alum-Manufacturers	281902
32518011	Bleaching Compounds (Mfrs)	281903
32518012	Borax (Mfrs)	281908
32518013	Brine (Mfrs)	281909
32518014	Calcium Carbonate (Mfrs)	281910
32518015	Catalysts (Mfrs)	281901
32518016	Copper Oxide (Mfrs)	281907
32518017	Industrial Inorganic Chmcls NEC (Mfrs)	281998
32518018	Iodine (Mfrs)	281912
32518019	Radioactive Materials (Mfrs)	281905
32518020	Silica Gel (Mfrs)	281913
32518021	Silver Nitrate (Mfrs)	281914
32518022	Stain Repellants (Mfrs)	281906
32518023	Carbide Metals & Products-Manufacturers	281911
32519301	Ethanol (Whls)	516906
32519302	Ethanol Manufacturers	286908

NAICS Code	label	sic_codes
32519401	Gum & Wood Chemicals (Mfrs)	286101
32519402	Methanol (Mfrs)	286105
32519403	Naval Stores (Mfrs)	286104
32519404	Tanners-Oil (Mfrs)	286102
32519405	Turpentine (Mfrs)	286103
32519406	Chemicals-Blending & Grinding (Mfrs)	286501
32519407	Cyclic Crude Intermediate/Gum/Wood Chemica	286505
32519901	Carbon Tetrachloride (Mfrs)	286902
32519902	Gelatine (Mfrs)	289918
32519903	Industrial Organic Chemicals NEC (Mfrs)	286998
32519904	Nuclear Fuels (Mfrs)	286905
32519905	Plasticizers (Mfrs)	286903
32519906	Solvents-Manufacturers	286904
32519907	Artificial Sweetener (Mfrs)	286907
32521101	Acrylic (Mfrs)	282107
32521102	Epoxy-Compounds (Mfrs)	282108
32521103	Fiber Glass Products-Manufacturers	282102
32521104	Plastics-Manufacturers	282103
32521105	Plastics-Raw Mtrls/Powder/Resin-Mfrs	282101
32521106	Boxes-Expanded Polystyrene Foam (Mfrs)	282109
32521107	Polyurethane Products-Manufacturers	282104
32521108	Resins-Manufacturers	282105
32521109	Rosin (Mfrs)	282106
32521201	Rubber-Synthetic (Mfrs)	282201
32521202	Urethane & Urethane Products-Mfrs	282202
32522001	Cellulosic Manmade Fibers (Mfrs)	282398
32522002	Rayon-Manufurers	282301
32522003	Bristles (Mfrs)	282402
32522004	Manmade Organic Fbrs-Ex Cellulosic	282401
32522005	Synthetic Fibers (Mfrs)	282403
32522006	Shrink Wrapping (Mfrs)	282405
32522007	Shrink Polyolefin (Mfrs)	282406
32522008	Artificial & Synthetic Fibers & Filaments (Mfrs)	282302
32531101	Ammonia-Manufacturers	287302
32531102	Fertilizers-Manufacturers	287301
32531201	Phosphatic Fertilizers (Mfrs)	287498
32531401	Composites (Mfrs)	287502
32531402	Compost (Mfrs)	
32531403	Fertilizer Mixing Only (Mfrs)	287598
32531404	Topsoil-Manufacturers	287501
32531501	Compost (Mfrs)	287503
32532001	Bird Barriers-Repellents & Controls-Mfrs	287906
32532002	Commercial Agricultural Cleaners (Mfrs)	287904
32532003	Enzymes (Mfrs)	287903
32532004	Herbicides (Mfrs)	287907
32532005	Insecticides-Manufacturers	287901
32532006	Lime-Manufacturers (Pesticides)	287902
32532007	Mothproofing Supplies (Mfrs)	287908
32532008	Pest Control Supplies & Equip-Mfrs	287905
32532009	Pesticides & Ag Chemicals NEC (Mfrs)	287998
32541101	Medicinal Chemical/Botanical Products (Mfrs)	283398
32541102	Mercury (Mfrs)	283301
32541103	Witch Hazel Distilleries (Mfrs)	283302
32541301	In-Vitro/In-Vivo Diagnostic Sbstnc	283598

NAICS Code	label	sic_codes
32551001	Fillers (Non-Metallic)(mfrs)	285107
32551002	Furniture Finishing Materials (Mfrs)	285108
32551003	Glazing Compounds (Mfrs)	285112
32551004	Grouting Compounds-Manufacturers	289919
32551005	Inks-Manufacturers	289911
32551006	Lacquer Thinners (Mfrs)	285111
32551007	Lacquers-Manufacturers	285102
32551008	Manufacturers-Coatings	285104
32551009	Metallic Finishes (Mfrs)	285110
32551010	Paint Removers-Manufacturers	285101
32551011	Paint Varnish & Allied Products (Mfrs)	285198
32551012	Paint-Manufacturers	285103
32551013	Painters Equipment & Supplies-Mfrs	285114
32551014	Putty (Mfrs)	285109
32551016	Rust Preventives-Manufacturers	289916
32551017	Shellac-Manufacturers	285106
32551018	Stainers-Wood (Mfrs)	285113
32552001	Adhesives & Glues-Manufacturers	289101
32552002	Adhesives & Sealants (Mfrs)	289198
32552003	Caulking Materials & Equipment-Mfrs	289102
32552004	Pipe-Joint Compounds (Mfrs)	289105
32552005	Rubber Cement (Mfrs)	289103
32561101	Soaps & Detergents-Manufacturers	284101
32561102	Tooth Powders & Pastes-Manufacturers	284404
32561103	Glycerine (Mfrs)	284102
32561201	Beeswax (Mfrs)	284206
32561202	Bronze Cleaning (Mfrs)	284208
32561203	Cleaning Compounds-Manufacturers	284203
32561204	Deodorants-Manufacturers	284204
32561205	Disinfectants & Germicides-Manufacturers	284207
32561206	Gas Odorants (Mfrs)	284210
32561207	Ink Eradicators (Mfrs)	284209
32561208	Lye (Mfrs)	284211
32561209	Polishes (Mfrs)	284201
32561210	Specialty Clng Plshng/Sanitation (Mfrs)	284298
32561211	Starch (Mfrs)	284205
32561212	Sweeping Compounds (Mfrs)	284202
32561301	Leather Finishers (Mfrs)	284301
32561302	Oils-Penetrating (Mfrs)	284302
32561303	Surface Active Agents (Mfrs)	284398
32561304	Textile Finishers (Mfrs)	284303
32591001	Inks-Printing & Lithographing (Mfrs)	289301
32591002	Printing Ink (Mfrs)	289302
32592001	Explosives-Manufacturers	289201
32599101	Custom Compounding-Purchased Resin	308798
32599201	Photographic Film Paper Plate Chemical & Copy	386108
32599801	Anti-Fogging Compounds-Manufacturers	289923
32599802	Anti-Freeze Compounds-Manufacturers	289902
32599803	Missile & Rocket Fuels (Mfrs)	286906
32599804	Carbon-Activated (Mfrs)	281904
32599805	Chemicals-Manufacturers	289905
32599807	Concrete Additives-Manufacturers	289907
32599808	Concrete Patching Compounds-Mfrs	289908
32599809	Encapsulating (Mfrs)	289906

NAICS Code	label	sic_codes
32599810	Fire Extinguishers-Manufacturers	399915
32599811	Fireproofing Materials (Mfrs)	289901
32599812	Fireworks-Manufacturers	289909
32599813	Flux-Manufacturers	289910
32599814	Heat Treating Metal Equip/Supls (Mfrs)	289904
32599815	Matches (Mfrs)	399904
32599816	Metal-Powder-Fabricators (Mfrs)	289903
32599817	Oil Additives-Manufacturers	289915
32599818	Oil Well Drilling Mud & Additives-Mfrs	289912
32599819	Oils-Core (Mfrs)	289921
32599820	Soldering Fluxes (Mfrs)	289922
32599821	Water Distilled-Manufacturers	289924
32599822	Incense-Manufacturers	289917
32599823	Tank Cleaning Equip-Mfrs & Supls (Mfrs)	289920
32611101	Plastic Liners & Covers (Mfrs)	267302
32611201	Plastics Packaging Film & Sheet (Mfrs)	267102
32611301	Cellophane & Cellulose Materials & Products (M	308103
32611302	Credit Card-Manufacturers	308104
32611303	Credit Card/Other Plans Equip/Supl-Mfrs	308107
32611304	Linings-Pits Ponds Lagoons Etc (Mfrs)	308108
32611305	Plastics-Fabrics/Film & Etc Producer	308102
32611306	Polyethylene Materials & Products (Mfrs)	308101
32611307	Telephone Calling Cards-Whls & Mfrs	308109
32611308	Unsupported Plastics-Film/Sheet (Mfrs)	308198
32611309	Vinyl-Manufacturers	308105
32611310	Glass Coating & Tinting Materials-Mfrs	308106
32612101	Plastics-Rod/Tube/Sheets Etc-Supl (Mfrs)	308201
32612201	Pipe-Plastic (Mfrs)	308401
32613001	Laminated Plstcs-Plate Sht/Profile	308398
32613002	Laminating Equipment & Supplies-Mfrs	308302
32613003	Plastics-High Pressure Laminates (Mfrs)	308301
32614001	Polystyrene Foam Product (Mfrs)	308605
32615001	FLOATS-STYROFOAM (Mfrs)	308603
32615002	Insulated Containers & Carriers (Mfrs)	308604
32615003	Insulation Materials-Cold & Heat-Mfrs	308602
32615004	Plastics-Foam (Mfrs)	308601
32615005	Urethane & Other Foam Product-Except Polysty	308606
32616001	Plastic Bottles (Mfrs)	308598
32616002	Siphons & Siphon Bottles	553145
32619101	Hot Tubs & Spas-Manufacturers	308802
32619102	Plastics-Plumbing Fixtures (Mfrs)	308898
32619103	Shower Doors & Enclosures-Manufacturers	308801
32619104	Toilets-Composting (Mfrs)	308803
32619105	Toilets-Portable-Manufacturers	308804
32619901	Latex Liquid (Mfrs)	306921
32619902	Boxes-Plastic & Transparent (Mfrs)	308907
32619903	Linoleum-Manufacturers	399601
32619904	Closures-Industrial-Protective (Mfrs)	308903
32619905	Recreational Surfaces (Mfrs)	306931
32619906	Counter Coverings-Plastics-Manufacturers	308908
32619907	Doors-Plastic Leather Or Fabric (Mfrs)	308915
32619908	Embedments/Encapsulations-Plastic (Mfrs)	308913
32619909	Ice Chests (Mfrs)	308918
32619910	Plastics-Mold-Manufacturers	308901

NAICS Code	label	sic_codes
32619911	Paper Towel Holders-Manufacturers	308909
32619912	Pharmaceutical Cntnrs Equip/Supls (Mfrs)	308916
32619913	Plastics & Plastic Products (Mfrs)	308902
32619914	Plastics-Blow Molding (Mfrs)	308912
32619915	Manufacturing-Layered Processes (Mfrs)	308923
32619916	Plastics-Fabricating/Finish/Decor-Mfrs	308906
32619917	Plastics-Products NEC (Mfrs)	308998
32619918	Plastics-Products-Finished-Manufacturers	308910
32619919	Plastics-Prototypes (Mfrs)	308919
32619920	Plastics-Tooling (Mfrs)	308920
32619921	Plastics-Vacuum/Pressure Forming (Mfrs)	308905
32619922	Swimming Pool Covers-Manufacturers	308911
32619923	Windows-Plastic-Manufacturers	308921
32619924	Plastics-Extruders (Mfrs)	308904
32619925	Molds Mfrs' Materials (Mfrs)	308924
32619926	Barrels & Drums-Plastic (Mfrs)	308914
32619927	Containers (Mfrs)	308922
32619928	Linoleum-Asphalt Felt Base Flr Cvr (Mfr)	399698
32619929	Linoleum/Hard Surface Flr Ctrs NEC (Mfr)	399699
32621101	Tire & Inner Tube-Manufacturers	301198
32621102	Tire-Manufacturers	301101
32621103	Tire-Retreading/Repairing-Eqpt/Supl-Mfrs	301102
32621201	Tire-Retreading & Repairing	753401
32621202	Tire-Studding Destudding & Restudding	753405
32622001	Belting & Belting Supplies-Manufacturers	305202
32622002	Conveyors-Belting (Mfrs)	305205
32622003	Hose & Tubing-Rubber & Plastic-Mfrs	305206
32622004	Rubber & Plastics-Hose & Belting (Mfrs)	305298
32622006	V-Belts-Manufacturers	305203
32622007	Vacuum Cleaners-Supplies & Parts-Mfrs	305204
32629101	Molded Extruded/Lathe Cut Rbbr Gds	306198
32629901	Balloons-Novelty & Toy-Manufacturers	306905
32629902	Balls-Rubber (Mfrs)	306928
32629903	Brake Lining-Manufacturers	306909
32629904	Cable Grips-Manufacturers	306906
32629905	Condoms-Manufacturers	306924
32629906	Diaphragms-Industrial (Mfrs)	306926
32629907	Heels-Manufacturers	306907
32629908	Latex Products (Mfrs)	306903
32629909	Life Preservers-Manufacturers	306922
32629910	Life Rafts & Floats-Manufacturers	306923
32629911	Mats & Matting-Manufacturers	306908
32629912	Rubber Custom Molded	306932
32629913	Pulley Coverings (Mfrs)	306925
32629914	Rolls-Rubber Covered (Mfrs)	306912
32629915	Rubber (Mfrs)	306904
32629916	Rubber Clothing & Footwear (Mfrs)	306901
32629917	Rubber Coating (Mfrs)	306913
32629918	Rubber Products-Manufacturers	306916
32629919	Rubber Reclaiming (Mfrs)	306919
32629920	Rubber Rolls (Mfrs)	306918
32629921	Rubber-Compounding & Mixture (Mfrs)	306915
32629922	Rubber-Latex (Mfrs)	306914
32629923	Rubber-Mfrs Supplies (Mfrs)	306917

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32629924	Rubberbands (Mfrs)	306902
32629925	Rubberized Fabrics (Mfrs)	306920
32629926	Sponges-Manufacturers	306910
32629927	Type-Rubber (Mfrs)	306929
32629928	Wire Strippers (Mfrs)	306927
32629929	Gutta Percha (Mfrs)	306911
32711001	Bath Equipment & Supplies-Manufacturers	326102
32711002	Bathroom Accessories-Manufacturers	326101
32711003	Asbestos Replacement Products (Mfrs)	326908
32711004	Ceramic Equipment & Supplies-Mfrs	326903
32711005	Ceramic Products-Decorative-Mfrs	326904
32711006	Chinaware Decorators (Mfrs)	326901
32711007	Chinaware-Manufacturers	326201
32711008	Cone-Seed & Decorative (Mfrs)	326907
32711009	Fine Earthenware Tbl/Ktchn Article	326398
32711010	Furniture Accessories Decor-Mfrs	326906
32711011	Giftwares-Manufacturers	326902
32711012	Pottery Products NEC (Mfrs)	326998
32711013	Pottery-Manufacturers	326905
32711014	Vitreous China-Tbl/Ktchn Articles (Mfrs)	326298
32711015	Clay Products	571920
32711016	Ferrites (Mfrs)	326401
32711017	Porcelain-Electrical-Supplies (Mfrs)	326498
32712001	Brick-Clay Common & Face-Manufacturers	325101
32712002	Brick-Manufacturers	325102
32712003	Chimney Lining Materials-Manufacturers	325103
32712004	Tile-Ceramic-Manufacturers	325301
32712005	Adobe Blocks & Shapes (Mfrs)	325901
32712007	Structural Clay Products NEC (Mfrs)	325998
32712008	Terra Cotta-Manufacturers	325903
32712009	Clay Refractories (Mfrs)	325598
32712010	Crucibles (Mfrs)	325501
32712011	Brick-Imitation (Mfrs)	329702
32712012	Nonclay Refractories (Mfrs)	329798
32712013	Refractories (Mfrs)	329701
32712014	Drain Pipes-Clay-Manufacturers	325902
32721101	Doors-Glass-Manufacturers	321103
32721102	Floats-Metal Glass & Etc (Mfrs)	321102
32721103	Glass-Manufacturers	321101
32721201	Balls-Glass (Mfrs)	322902
32721203	Glass-Blowers (Mfrs)	322901
32721204	Glass-Pressed Molded & Etc (Mfrs)	322907
32721205	Glass-Rods & Tubing (Mfrs)	322906
32721206	Pressed/Blown Glass/Glassware-NEC (Mfrs)	322905
32721207	Lamps-Supplies & Parts (Mfrs)	322904
32721301	Bottles (Mfrs)	322101
32721302	Carboys (Mfrs)	322102
32721303	Glass Containers (Mfrs)	322198
32721304	Vials (Mfrs)	322103
32721501	Aquariums & Aquarium Supls-Mfrs	323106
32721502	Crystals-Industrial (Mfrs)	323108
32721503	Engravers-Glassware (Mfrs)	323102
32721504	Glass Decorators (Mfrs)	323116
32721505	Glass Lighting (Mfrs)	323113

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32721506	Glass Prod Made-Purchased Glass (Mfrs)	323198
32721507	Glass Products (Mfrs)	323117
32721508	Glass Substitutes (Mfrs)	323101
32721509	Glass-Ground (Mfrs)	323109
32721510	Glass-Lettering & Applied Color (Mfrs)	323115
32721511	Glass-Stained & Leaded-Manufacturers	323103
32721512	Glassware Decoration (Mfrs)	323105
32721513	Mirrors-Manufacturers	323104
32721514	Novelties-Manufacturers	323107
32721515	Reflectors (Mfrs)	323110
32721516	Scientific Apparatus & Instruments-Mfrs	323112
32721517	Table Tops-Manufacturers	323114
32721518	Watch Crystals (Mfrs)	323111
32721519	Glass Automobile Plate Window Etc Mfrs	323118
32721520	Machining Safety Glass (Mfrs)	323119
32721521	Security-Glass (Mfrs)	323120
32731001	Cement-Manufacturers	324101
32732001	Ready-Mixed Concrete-Manufacturers	327301
32733101	Cinder Blocks (Mfrs)	327102
32733102	Concrete-Block & Brick (Mfrs)	327101
32733201	Concrete Pipe (Mfrs)	327208
32739001	Catch Basin Covers (Mfrs)	327210
32739002	Concrete Products-Except Block & Brick (Mfrs)	327209
32739003	Concrete-Prestressed (Mfrs)	327201
32739004	Fireplaces-Manufacturers	327203
32739005	Fountains-Garden Display Etc-Mfrs	327204
32739006	Grease Traps-Manufacturers	327205
32739007	Septic Tanks-Manufacturers	327206
32739008	Steps (Mfrs)	327211
32739009	Stone-Artificial (Mfrs)	327207
32741001	Hydrator-Lime (Mfrs)	327401
32741002	Lime-Manufacturers	327498
32742001	Ceramic Products-Industrial (Mfrs)	329902
32742002	Gypsum & Gypsum Products (Mfrs)	327501
32742004	Mica (Mfrs)	329901
32742005	Plaster Products (Mfrs)	327502
32742006	Stucco-Manufacturers	329907
32742007	Art Goods-Manufacturers	329906
32742008	Plasterers' Equipment & Supplies-Mfrs	289913
32791001	Abrasive Products (Mfrs)	329102
32791002	Aluminum Wool-Manufacturers	329103
32791003	Grinding Wheel Dressers (Mfrs)	329104
32791004	Grinding Wheels (Mfrs)	329101
32791005	Sandpaper (Mfrs)	329106
32791006	Steel Wool (Mfrs)	329105
32799101	Blackboards-Manufacturers	328108
32799102	Cut Stone & Stone Products (Mfrs)	328198
32799103	Flagstones (Mfrs)	328106
32799104	Granite Products-Manufacturers	328101
32799105	Marble Contractors Equip & Supls (Mfrs)	328110
32799106	Marble Products-Natural-Manufacturers	328102
32799107	Monuments-Manufacturers	328104
32799108	Stone Cutters (Mfrs)	328107
32799109	Stone-Cut (Mfrs)	328109

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32799110	Stone Products-Natural-Manufacturers	328103
32799111	Tile-Marble-Manufacturers	328105
32799112	Stone-Manufactured	328111
32799113	Stone Carving (Mfrs)	328112
32799114	Granite Cleaning Maintenance-Restoration	328113
32799201	Diatomaceous Earth (Mfrs)	329506
32799202	Flints (Mfrs)	329505
32799203	Graphite (Mfrs)	329502
32799204	Minerals/Earths-Ground Or Treated (Mfrs)	329598
32799205	Perlite & Perlite Products (Mfrs)	329507
32799206	Pumice (Mfrs)	329504
32799207	Slag (Mfrs)	329501
32799208	Talc (Mfrs)	329503
32799209	Vermiculite (Mfrs)	329508
32799301	Acoustical Materials-Manufacturers	329602
32799302	Energy Conservation Products-Manufacturers	329604
32799303	Fiber Glass Fabricators (Mfrs)	329601
32799304	Insulation-Manufacturers	329603
32799305	Mineral Wool (Mfrs)	329698
32799306	Windows-Fiberglass (Mfrs)	251901
32799901	Asbestos & Asbestos Free Products (Mfrs)	329201
32799902	Composition Ornaments	329909
32799903	Fossil Replicas (Mfrs)	329908
32799904	Friction Materials (Mfrs)	329202
32799905	Glass-Block Structural & Etc (Mfrs)	329903
32799906	Nonmetallic Mineral Products NEC (Mfrs)	329998
32799907	Plaques-Manufacturers	329904
33111001	Balls-Steel Bronze Etc (Mfrs)	339901
33111002	Expanded Metals (Manufacturers)	331203
33111003	Ironwork-Manufacturers	331205
33111004	Primary Metal Products NEC (Mfrs)	339904
33111005	Powder Metal Parts-Industrial (Mfrs)	339903
33111006	Stainless Steel (Manufacturers)	331212
33111007	Steel Mills (Mfrs)	331201
33111008	Steel Processing (Mfrs)	331204
33111009	Steel Works/Blast Furnaces/Rolling Mills	331298
33111010	Tin Plate (Manufacturers)	331213
33111011	Tubing (Manufacturers)	331202
33111012	Tubing-Metal-Fabricators	331206
33111013	Tubing-Metal-Machinery (Manufacturers)	331208
33111014	Scrap Metal Products-Mfrs	331218
33111015	Electrometallurgical Prod-Ex Steel (Mfr)	331398
33111016	Molybdenum (Manufacturers)	331301
33122101	Metals-Corrugated (Mfrs)	331602
33122102	Steel Straightening (Mfrs)	331603
33122103	Steel-Bar/Sheet/Strip/Tube & Etc (Mfrs)	331601
33122104	Pipe Corrugated Metal	331604
33131301	Primary Production Of Aluminum (Mfrs)	333498
33131501	Aluminum Sheet Plate & Foil (Mfrs)	335301
33131801	Aluminum Extruded Products (Mfrs)	335498
33131802	Aluminum Fabricators (Mfrs)	335501
33131803	Aluminum Rolling & Drawing NEC (Mfrs)	335598
33131804	Anchors-Rail (Mfrs)	335502
33131805	Rails & Accessories (Manufacturers)	331211

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33141001	Primary Smelting-Refining-Copper (Mfrs)	333198
33141002	Beryllium (Mfrs)	333903
33141003	Cadmium (Mfrs)	333905
33141004	Primary Smelting/Refining-Nonferrous Mtl	333998
33141005	Silicon (Mfrs)	333906
33141006	Smelters & Refiners-Base Metals (Mfrs)	333902
33141007	Smelters-Refiners-Precious Metals (Mfrs)	333901
33141008	Tantalum (Mfrs)	333904
33142001	Brass Rubbings (Mfrs)	335105
33142002	Bronze-Sheet Rod Tube & Etc (Mfrs)	335106
33142004	Copper-Sheet Rod Tube Etc (Mfrs)	335103
33142005	Metal Shapes-Extruded (Mfrs)	335101
33142006	Rolling Drawing-Non-Ferrous Mtls (Mfrs)	335102
33142007	Rolling Drawing/Extruding-Copper (Mfrs)	335198
33142008	Iron Sheet Rod & Tube (Mfrs)	335107
33142009	Babbetting (Mfrs)	334101
33142010	Copper Products-Manufacturers	335104
33149101	Drawing/Insulating-Nonferrous Wire (Mfr)	335798
33149102	Gold Filled & Rolled Gold Plate (Mfrs)	335604
33149103	Lead Products (Mfrs)	335601
33149104	Metal-Rolling & Forming (Mfrs)	335603
33149105	Rolling Drawing Extruding-Nonferrous Mtl	335698
33149106	Solder (Mfrs)	335602
33149107	Tin (Mfrs)	335605
33149108	Tin Edging (Mfrs)	335606
33149109	Tungsten (Mfrs)	335608
33149110	Zirconium (Mfrs)	335607
33149111	Lead Shielding Manufacturers	335609
33149201	Brass Mills (Mfrs)	334106
33149202	Refining (Mfrs)	334103
33149203	Scrap Film (Mfrs)	334104
33149204	Secondary Smelting & Refining-Nonferrous	334198
33149205	Selenium (Mfrs)	334105
33149206	Silver Recovery (Mfrs)	334102
33151101	Castings-Iron (Mfrs)	332106
33151102	Foundries-Ductile Iron (Mfrs)	332104
33151103	Foundries-Gray Iron (Mfrs)	332102
33151104	Foundries-Iron (Mfrs)	332101
33151105	Foundries-Malleable Iron (Mfrs)	332201
33151106	Gray & Ductile Iron Foundries (Mfrs)	332198
33151107	Manhole Covers (Mfrs)	332103
33151108	Sash Balances & Weights (Mfrs)	332105
33151109	Foundries-Nickel & Alloys (Mfrs)	332107
33151110	Sewer Pipe-Retail (Mfrs)	332108
33151111	Cooking Utensils-Manufacturers	336503
33151112	Castings (Mfrs)	336903
33151201	Investment Castings (Mfrs)	332401
33151301	Bushings & Bearings-Manufacturers	332504
33151302	Castings-Ferrous Metals (Mfrs)	332501
33151303	Castings-Steel (Mfrs)	332505
33151304	Foundries-Steel (Mfrs)	332502
33151305	Iron-Ore (Mfrs)	332507
33151306	Metal Cutting Coolant Systems (Mfrs)	332506
33151307	Steel Mill Services (Mfrs)	332503

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33151308	Steel-Tool (Mfrs)	332508
33151309	Foundries Various Metals	332509
33152301	Aluminum Die Castings (Mfrs)	336398
33152302	Nonferrous Die Castings-Ex Alum (Mfrs)	336401
33152303	Castings-Aluminum (Mfrs)	336502
33152304	Foundries-Aluminum Brass Bronze (Mfrs)	336501
33152305	Copper Foundries (Mfrs)	336698
33152306	Nonferrous Foundries-Ex Aluminum/Copper	336998
33152901	Brass (Mfrs)	336602
33152902	Bronze (Mfrs)	336601
33152903	Castings-Bronze (Mfrs)	336603
33152904	Castings-Centrifugal (Mfrs)	336604
33152905	Castings-Resin (Mfrs)	336605
33152906	Propellers-Mfrs	336607
33152907	White Metal Castings (Mfrs)	336901
33152908	Foundries-Titanium (Mfrs)	336904
33152909	Foundries-Magnesium (Mfrs)	336907
33152910	Art Casting (Mfrs)	336606
33211101	Anvils (Mfrs)	346204
33211102	Chains-Manufacturers	346207
33211103	Coined Parts-Metal (Mfrs)	346206
33211104	Crankshaft-Manufacturers	346202
33211105	Flange Protectors (Mfrs)	346203
33211106	Forging-Die Sinkers (Mfrs)	346205
33211107	Forgings (Mfrs)	346201
33211108	Blacksmiths	769906
33211201	Nonferrous forgings (Mfrs)	346398
33243101	Can-Manufacturers	341101
33243102	Metal Cans (Mfrs)	341198
33243103	Pails-Manufacturers	341102
33243104	Safety Cans (Mfrs)	341103
33271001	Machine Shop Equipment (Mfrs)	359908
33271002	Machine Shops (Mfrs)	359903
33271003	Chemical Milling (Mfrs)	359902
33281201	Card Cases (Mfrs)	347923
33281202	Coating Engraving/Allied Svcs NEC (Mfrs)	347998
33281203	Coatings-Protective-Manufacturers	347904
33281204	Coatings-Protective-Applicators (Mfrs)	347905
33281205	Coatings-Vacuum Deposition (Mfrs)	347914
33281206	Enameling Japanning & Lacquering (Mfrs)	347906
33281207	Grinding-Precision & Production (Mfrs)	347910
33281208	Engravers-Cylinder (Mfrs)	347922
33281209	Engravers-Die (Mfrs)	347921
33281210	Engravers-Mechanical (Mfrs)	347903
33281211	Engravers-Metal (Mfrs)	347907
33281212	Engravers-Security-Personal-Coml (Mfrs)	347926
33281213	Etched Products-Metal Glass & Etc-Mfrs	347920
33281214	Fasteners-Industrial-Painting (Mfrs)	347918
33281215	Metals-Pre-Coated (Mfrs)	347915
33281216	Name Plates-Manufacturers	347913
33281217	Pipe Coating Materials (Mfrs)	347919
33281218	Pipe Lining & Coating (Mfrs)	347901
33281219	Powder Coatings (Mfrs)	347916
33281220	Powder Processing-Industrial (Mfrs)	347917

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33281221	Teflon (Mfrs)	347925
33281222	Trophy Engravers (Mfrs)	347924
33281223	Enamels-Baked (Mfrs)	347912
33281224	Automobile Graphics (Mfrs)	347927
33281301	Anodizing (Mfrs)	347101
33281302	Buffing & Polishing (Mfrs)	347103
33281303	Chrome (Mfrs)	347106
33281304	Electroforming (Mfrs)	347112
33281305	Electroplating/Polishing/Anodizing (Mfr)	347198
33281306	Hot Stamping Equipment & Supls (Mfrs)	347114
33281307	Impregnating (Mfrs)	347107
33281308	Impregnating Apparatus (Mfrs)	347115
33281309	Impregnating Castings (Mfrs)	347116
33281310	Kick Plates (Mfrs)	347113
33281311	Laminations-Motor & Transformer (Mfrs)	339902
33281312	Metal Finishers (Mfrs)	347102
33281313	Metal Finishers-Blasting (Mfrs)	347109
33281314	Metal Polishing (Mfrs)	347104
33281315	Tumbling Equip & Supplies (Mfrs)	347110
33281316	Plastics-Coating (Mfrs)	347117
33281317	Plating (Mfrs)	347105
33281318	Plating Consultants (Mfrs)	347108
33281319	Plating-Gold & Silver (Mfrs)	347111
33281320	Vacuum Plating (Mfrs)	347118
33281321	Plating & Polishing Service (Mfrs)	347119
33281322	Tumbling Service (Mfrs)	347120
33281324	Metal Cleaning	347121
33299201	Small Arms Ammunition (Mfrs)	348201
33299301	Ammunition-Except For Small Arms (Mfrs)	348398
33299302	Fuses-Blasting-Manufacturers	348301
33299401	Ammunition Reloading Equip & Supls-Mfrs	348404
33299402	Firearm Accessories-Manufacturers	348401
33299403	Firearms-Manufacturers	348402
33299404	Small Arms-Manufacturers	348403
33299405	Guns Manufacturers	348405
33299406	Guns Accessories Mfrs	348406
33299407	Ordnance & Accessories NEC (Mfrs)	348998
33361101	Engines-Steam (Mfrs)	351104
33361102	Gas Atmosphere Generators (Mfrs)	351106
33361103	Generators-Steam (Mfrs)	351105
33361104	Generators-Wind Powered (Mfrs)	351102
33361105	Hydraulic Equipment-Manufacturers	351103
33361106	Riggers' Equipment & Supplies-Mfrs	351108
33361107	Turbine Seal (Mfrs)	351107
33361108	Turbines-Manufacturers	351101
33361109	Engine Manufacturers & Distributors	351109
33411201	Computer Storage Devices (Mfrs)	357298
33441301	Microprocessors-Manufacturers	367403
33441302	Semiconductor Devices (Mfrs)	367401
33441303	Semiconductors & Related Devices (Mfrs)	367498
33441304	Thermoelectric Equipment (Mfrs)	367402
33441305	Lighting Laser (Mfrs)	367404
33441306	Fuel Cells (Mfrs)	367405
33591001	Storage-Batteries (Mfrs)	369101

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33591002	Batteries-Dry Cell-Manufacturers	369201
33591003	Primary Batteries-Dry & Wet (Mfrs)	369298
33639001	Automobile Bumpers Guards & Grills-Mfrs	371416
33639002	Automobile Parts & Supplies-Mfrs	371401
33639003	Automobile Radiator-Manufacturers	371403
33639004	Automobile Repair/Svc-Equip & Supls-Mfrs	371404
33639005	Boat Trailer Tires & Wheels (Mfrs)	371418
33639006	Automobile-Manufacturers Equip/Supl-Mfrs	371417
33639007	Axles-Manufacturers	371419
33639008	Bearings-Rebabbitting (Mfrs)	371420
33639009	Clutches-Manufacturers	371422
33639010	Drive Shafts-Industrial (Mfrs)	371426
33639011	Engines-Supplies-Equipment & Parts-Mfrs	371424
33639012	Filters-Fuel & Oil-Manufacturers	371412
33639013	FLOATS-Mechanical (Mfrs)	371415
33639014	Joints-Ball (Mfrs)	371423
33639015	Mufflers & Exhaust Systems-Engine-Mfrs	371407
33639016	Radiators-Heating (Mfrs)	371428
33639017	Wheel Well Manufacturing	371408
33639018	Truck Equipment & Parts-Manufacturers	371410
33639019	Windshield Wipers-Manufacturers	371430
33641101	Aircraft Designing (Mfrs)	372107
33641102	Aircraft Interior Redesigning (Mfrs)	372102
33641103	Aircraft-Manufacturers	372101
33641104	Aircraft/Aircraft Equip Testing (Mfrs)	372103
33641105	Balloons-Hot Air Whls & Mfrs	372104
33641106	Gliders (Mfrs)	372106
33641107	Helicopter-Manufacturers	372105
33641108	Hovercraft (Mfrs)	372108
33641201	Aircraft Engines & Engine Parts-Mfrs	372498
33641202	Aircraft Engines-Manufacturers	372401
33641203	Aircraft Tooling (Mfrs)	372402
33641204	Jet Propulsion Equipment (Mfrs)	372403
33641301	Aircraft Components-Manufacturers	372801
33641302	Aircraft Equipment Parts & Supls-Mfrs	372802
33641303	Aircraft Flight Training Equip (Mfrs)	372807
33641304	Aircraft Ground Support & Svc Equip-Mfrs	372804
33641305	Aircraft Industrial Fasteners (Mfrs)	372814
33641306	Aircraft Machine Work (Mfrs)	372803
33641307	Aircraft Modifications (Mfrs)	372805
33641308	Aircraft Oxygen Systems (Mfrs)	372808
33641309	Aircraft Parts-Assemblers (Mfrs)	372806
33641310	Aircraft Research & Development (Mfrs)	372809
33641311	Helicopter-Equip & Parts & Supls (Mfrs)	372810
33641312	Pilots Equipment & Supplies (Mfrs)	372813
33641313	Propellers (Airplane-Mfrs)	372811
33641314	Cockpits (Mfrs)	372815
33641315	Refueling Systems (Mfrs)	372812
33641401	Guided Missile & Space Vehicle (Mfrs)	376198
33641402	Missile & Rocket-Manufacturers	376101
33641403	Space Research & Development (Mfrs)	376102
33641501	Guided Missle/Space Vhcl-Prop Units (Mfr)	376498
33641502	Missile & Rocket Components-Mfrs	376401
33641901	Guided Missile/Spc Vhcl-Parts NEC (Mfrs)	376998

NAICS Code	label	sic_codes
33641902	Missile & Rocket Research & Dev (Mfrs)	376901
33641903	Space Components & Systems (Mfrs)	376902
42461001	Laminations-Plastic Paper Etc-Wholesale	516205
42461002	Linings-Bag Barrel & Etc (Whls)	516213
42461003	Linings-Container (Whls)	516212
42461004	Pipe-Plastic-Wholesale	516210
42461005	Plastic Molders-Wholesale	516206
42461006	Plastics-Fabrcng/Fnshng/Decor-Wholesale	516208
42461007	Plastics-Products-Finished-Wholesale	516202
42461008	Plastics-Raw Mtrls-Powders Liquid-Whls	516207
42461009	Plastics-Reinforced (Whls)	516201
42461010	Plastics-Rods/Tubes/Sheets & Etc (Whls)	516203
42461011	Silage Coverings (Whls)	516211
42461012	Vinyl-Wholesale	516209
42469001	Absorbents (Whls)	516904
42469002	Acetylene (Whls)	516908
42469003	Acids (Whls)	516910
42469004	Adhesives & Glues (Whls)	516912
42469005	Alcohol (Whls)	516911
42469006	Ammonia (Whls)	516914
42469007	Anti-Freeze Compounds-Wholesale	516955
42469008	Argon (Whls)	516913
42469009	Undercoating/Rustproof Mtrl/Supl (Whls)	516944
42469010	Bleaching Compounds-Wholesale	516958
42469011	Boiler Compounds (Whls)	516959
42469012	Brick Preservatives (Whls)	516964
42469013	Calcium Chloride (Whls)	516942
42469014	Carbide (Whls)	516941
42469015	Carbon Dioxide (Whls)	516947
42469016	Carbon Products (Whls)	516929
42469017	Carbonators (Whls)	516960
42469018	Carbonic Gas (Whls)	516915
42469019	Chemical Plant-Equipment & Supls (Whls)	516928
42469020	Chemicals (Whls)	516916
42469021	Chemicals & Allied Products NEC (Whls)	516999
42469022	Chemicals-Bought (Whls)	516966
42469023	Chemicals-Industrial (Whls)	516952
42469024	Chemicals-Storage & Handling (Whls)	516917
42469025	Chemicals-Surplus Stock Buyers (Whls)	516967
42469026	Chlorine (Whls)	516946
42469027	Chromium (Whls)	516943
42469028	Cleaning Compounds (Whls)	516925
42469029	Coatings-Protective-Wholesale	516956
42469030	Concrete Additives (Whls)	516919
42469031	Concrete Curing & Treating Mtrl (Whls)	516918
42469032	Degreasing Equipment & Supplies (Whls)	516930
42469033	Deodorants (Whls)	516927
42469034	Dishwashing Compounds (Whls)	516940
42469035	Dyers-Wholesale	516957
42469036	Dyes & Dyestuffs (Whls)	516936
42469037	Explosives (Whls)	516903
42469038	Floor Treatment Compounds (Whls)	516905
42469039	Floor Waxing Polishing/Clnq Mtrls (Whls)	516939
42469040	Gas Compressor Stations (Whls)	516972

NAICS Code	label	sic_codes
42469041	Gases (Whls)	516965
42469042	Gasoline Additive-Distributors (Whls)	516948
42469043	Glass Coating & Tinting Materials (Whls)	516902
42469044	Gums (Whls)	516977
42469045	Helium (Whls)	516907
42469046	Ice Melting Equipment & Supplies (Whls)	516901
42469047	Liquid Air (Whls)	516973
42469048	Lubricants-Dry (Whls)	516974
42469049	Lubricants-Synthetic (Whls)	516951
42469050	Magnesite (Whls)	516961
42469051	Nickel (Whls)	516931
42469052	Nitrogen (Whls)	516950
42469053	Odor Neutralizers (Whls)	516938
42469054	Oil Field Chemicals (Whls)	516978
42469055	Oil Treating Compounds (Whls)	516934
42469056	Oil Well Drilling Mud & Additives-Whls	516976
42469057	Oils-Emulsion (Whls)	516975
42469058	Oils-Essential (Whls)	516933
42469059	Oils-Fuel-Treatment Compounds (Whls)	516949
42469060	Oils-Synthetic (Whls)	516962
42469061	Oxygen (Whls)	516920
42469062	Paint-Manufacturing Materials (Whls)	516945
42469063	Polishes-Wholesale	516968
42469064	Polyurethane Products-Wholesale	516922
42469065	Resins (Whls)	516921
42469066	Rust Preventives & Removers (Whls)	516924
42469067	Sealers-Asphalt/Concrete & Etc (Whls)	516923
42469068	Silicones (Whls)	516935
42469069	Sodium Silicate (Whls)	516969
42469070	Solvents (Whls)	516937
42469071	Textile Dyers (Whls)	516963
42469072	Washing Compounds (Whls)	516970
42469073	Wax (Whls)	516926
42469074	Wood Restoring Products (Whls)	516971
42469075	Zinc (Whls)	516932
42469076	Tear Gas (Whls)	516953
42469077	Epoxy Rock Stone (Whls)	516954
42469078	Storage Chemical-Hazardous Mtrls Equip	516979
42471001	Gasoline-Diesel Bulk (Whls)	517104
42471002	Gasoline & Oil Bulk Stations (Whls)	517102
42471003	Oil Products (Whls)	517103
42471004	Oil-Bulk-Dealers-Wholesale	517101
42471005	Petroleum Bulk Stations-Terminals (Whls)	517198
42472001	Aviation Fuel (Whls)	517223
42472002	Diesel Fuel (Whls)	517203
42472003	Gas (Lpg) Bottled Bulk Equip/Supl (Whls)	517207
42472004	Gas-Indstrl/Med-Cylinder & Bulk (Whls)	517205
42472005	Gas-Liquefied Petro-Bttl'd/Bulk (Whls)	517208
42472006	Gasoline & Oil-Wholesale	517210
42472007	Greases (Whls)	517209
42472008	Kerosene-Wholesale	517217
42472009	Lubricants (Whls)	517211
42472010	Lubricating Compounds (Whls)	517219
42472011	Naphtha (Whls)	517225

NAICS Code	label	sic_codes
42472012	Oils & Greases (Whls)	517222
42472013	Oils-Diesel (Whls)	517224
42472014	Oils-Fuel (Whls)	517206
42472015	Oils-Hydraulic (Whls)	517220
42472016	Oils-Industrial (Whls)	517213
42472017	Oils-Lubricating-Wholesale	517214
42472018	Oils-Petroleum (Whls)	517215
42472019	Petrolatum (Whls)	517221
42472020	Petroleum Products (Whls)	517201
42472021	Formation-Installations Equip-Svc (Whls)	517228
42472022	Biodiesel Fuel (Whls)	517227
42472023	Racing Fuels (Whls)	517226
42472024	Fuels-Renewable (Whls)	517229
42472025	Petroleum Wholesale	517230
42472026	Commercial Fueling Stations (Whls)	517232
45712001	Kerosene	554105
45712002	Oils-Lubricating-Retail	554107
45712003	Service Stations-Gasoline & Oil	554101
45712004	Marine Service Stations	554106
45712005	Truck Stops & Plazas	554103
45712006	Alternative Fuels	554110
45712007	Diesel Exhaust Fluid	554111
45712008	Electric Charging Station	554112
45721001	Fuel Automated Service	598305
45721002	Service Stations-Bulk Fuel	598304
45721003	Fuel-Retail	598301
45721004	Oil-Bulk-Dealers-Retail	598302
45721005	Oils-Petroleum-Retail	598303
45721006	Gasohol-Wholesale	598306
45721007	Butane Gas	598402
45721008	Gas-Liquefied Petroleum Etc-Equip/Supls	598404
45721009	Gas-Propane-Refilling Stations	598405
45721010	Propane (LP) Gas	598401
45721011	Propane Carburetion	598403
45721012	Coal & Coke-Retail	598902
45721013	Firewood	598903
45721014	Fuel-Dealers NEC	598999
45721015	Wood (Tree Service & Landscaping)	598901
45721016	Wood Pellets-Fuel	598904
45721017	Propane Tank Kiosks	598406
48111101	Air Transportation-Scheduled	451298
48111102	Airline Companies	451201
48422001	Animal Transporting-Zoo Circus Etc	421224
48422002	Baggage Transfer	421223
48422003	Computer & Electronic Equipment Movers	421226
48422004	FLOATS-SERVICE	421217
48422005	Grain Hauling	421213
48422006	Hay Hauling	421227
48422007	Livestock Hauling	421203
48422008	Log Hauling	421202
48422009	Lumber Carriers	421204
48422010	Pet Transporting	421208
48422011	Petroleum Products-Transporting	421229
48422012	Safes & Vaults-Movers	421207

NAICS Code	label	sic_codes
48422013	Tank Truck Service	421228
48422014	Sand & Gravel Hauling	421211
48422015	Lime Hauling	421233
48422016	Fuel Products Transporting	478910
48422017	Trucking Boom	421235
48422018	Art & Antique Movers	421405
48611001	Crude Petroleum Pipelines	461298
48611002	Pipe Line Companies	461201
48621001	Gas Transmission Companies	492201
48621002	Natural Gas Transmission	492298
48691001	Refined Petroleum Pipelines	461398
48699001	Pipelines NEC	461999
48699002	Coal Hauling	461901
48811901	Aircraft Ferrying & Transporting Svc	458103
48811902	Aircraft Hangars-Rental & Sales	458112
48811903	Aircraft Storage	458105
48811904	Aircraft Support Services	458114
48811905	Aircraft Upholsterers	458107
48811906	Airline Support Services	458111
48811907	Airports	458106
48811908	Airport Authority & Terminal Svcs	458115
48811909	Sea Plane Base	458117
48811910	Airport Services	458118
48811911	Heliports	458119
48819001	Aircraft Engines-Servicing & Maintenance	458102
48819002	Aircraft Ground Support & Service Equip	458101
48819003	Aircraft Refinishing & Painting	458110
48819004	Aircraft Servicing & Maintenance	458104
48819005	Helicopter-Servicing & Maintenance	458108
48819006	Clothing-Activewear	569984
48819007	Aircraft-Restore & Customize	458116
49319001	Archives-Storage Products	422614
49319002	Automobile Storage	422601
49319003	Carpet & Rug-Storage	422611
49319004	Log Storage Companies	422612
49319005	Lumber Terminals	422613
49319006	Motion Picture Film-Storage	422610
49319007	Oil Storage	422608
49319008	Recreational Vehicles-Storage	422603
49319009	Special Warehousing & Storage NEC	422699
49319010	Storage-Liquid & Bulk	422602
49319011	Trailer-Storage	422606
49319012	Trailers-Camping & Travel-Storage	422605
49319013	Truck Trailer-Parking & Storage	422615
49319014	Warehouses-Steel & Heavy Machinery	422609
49319015	Wine Storage	422607
49319016	Hazardous Materials-Packing & Storage	422616
49319017	Warehouses-Commercial Storage	422618
56211101	Fertilizing Hauling	421232
56211102	Hauling & Debris Removal	421222
56211201	Hazardous Materials-Transporting	421230
56211202	Bomb Disposal	495319
56211901	Garbage Collection	495302
56211902	Recyclables-Pick Up Service	421221

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56211903	Trucking-Dump	421210
56221101	Toxic Waste Removal Equipment	495309
56221102	Refuse Systems	495310
56221103	Waste Disposal-Hazardous	495305
56221104	Waste Materials	495314
56221105	Waste Removal-Medical	495315
56221106	Hazardous Materials Consultants	495321
56221107	Meth Lab Cleanup	495324
56221108	Industrial Waste Removal	495325
56221109	Crime & Trauma Scene Clean Up	495323
56221201	Dumps-Rubbish	495301
56221202	Landfills-Sanitary	495303
56221203	Landfills-Solid Waste	495312
56221204	Refuse Disposal-Depots & Plants	495313
56221901	Disposal Wells	495317
56221902	Inorganic Waste Treatment	495320
56221903	Liquid Waste Removal	495316
56221904	Pet Waste Removal	495318
56221905	Sanitation Consultants	495308
56221906	Sanitation Services	495307
56221907	Waste Containers	495306
56221908	Waste Disposal	495304
56221909	Waste Water Disposal	495322
56221910	Junk Removal	495326
56291001	Asbestos Removal Service	179926
56291002	Dewatering Contractors	179953
56291003	Fire Violations-Removed	179950
56291004	Lead Removal & Abatement	179948
56291005	Oil Spill Clean Up Service	495904
56291006	Removers-Industrial	179951
56291007	Oil Pollution Clean-Up	495910
56291008	Mold Mildew Moisture Control & Abatement	495911
56291009	Chemical Spill Clean Up	495913
56291010	Mining Reclamation Svc & Site Work	495914
56291011	Concrete Recycling	179954
56292001	Recycling Equipment & Systems	495311
56292002	Appliances-Removal Service	495327
56292003	Air Conditioning Systems-Disposal	495328
56299101	Cesspool Cleaning	769970
56299102	Plumbing Drain & Sewer Cleaning	769902
56299103	Plumbing Drains/Sewer Cleaning Eqpt-Rntl	735985
56299104	Tanks-Rental	735901
56299105	Toilets-Portable	735922
56299801	Lake & Beach Cleaning & Improvement	495905
56299802	Oil Skimmers	495908
56299803	Sanitary Services NEC	495999
56299804	Street Cleaning	495903
56299805	Sweepers-Industrial	495901
56299806	Sweeping Service-Power	495902
56299807	Waste Water Treatment	495907
56299809	Sweeping	495912
71311001	Amusement Places	799601
71311002	Water Parks	799602
71311003	Haunted Houses	799603

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71311004	Amusement & Theme Parks	799604
71311005	Corn Maze	799605
71311006	Amusement/Water Park Ride/Attraction	799606
81111101	Autoclaves	753820
81111102	Automobile Machine Shop Service	753802
81111103	Automobile Motor Rebuilding	753804
81111104	Automobile Repairing & Service	753801
81111105	Automobile Repairing & Service-Mobile	753819
81111106	Crankshaft Grinding	753806
81111107	Cylinders-Rebuilding & Repairing	753805
81111108	Engine Tuning	753808
81111109	Engine Turning	753823
81111110	Engines-Diesel-Fuel Injection-Svc & Rpr	753807
81111111	Engines-Diesel-Repairing	753815
81111112	Engines-Diesel-Used	753821
81111113	Engines-Gasoline-Repairing	753822
81111114	Engines-Rebuilding & Exchanging	753810
81111115	Engines-Rebuilding & Repairing	753809
81111116	Four Wheel Drive-Repairing & Service	753814
81111117	Horse-Van-Builders & Repair	753803
81111118	Imported Automobile Services	753816
81111119	Recreational Vehicles-Repairing & Svc	753811
81111120	Steering Systems & Equipment	753817
81111121	Trailers-Camping & Travel-Repairing	753824
81111122	Trailers-Repairing & Service	753813
81111123	Truck Lubricating Service	753818
81111124	Truck-Repairing & Service	753812
81111125	Automobile Performance/Sports Car Rpr	753825
81111126	Automobile Repair/Svc-Four Wheel Drive	753827
81111127	Ignition Interlock Devices-Install & Svc	753834
81111128	Machinists-Automotive	753828
81111129	Battery & Ignition Svc	753831
81111130	Auto Warranty Repair Svc	753826
81111131	Battery Recharging	753832
81111132	Motorcycles Engine Rebuilding	753833
81111401	Manifolds	753302
81111402	Mufflers & Exhaust Systems-Engine	753301
81111403	Automobile Differentials	753704
81111404	Transmissions-Automobile	753701
81111405	Transmissions-Automobile-Parts	753702
81111406	Transmissions-Truck Tractor Etc	753703
81111407	Gear Box Mfrs & Repairs	753705
81111408	Alternators & Generators-Automotive-Rpr	753908
81111409	Automobile Clutch Rebuilding	753933
81111410	Automobile Electric Service	753911
81111411	Automobile Frame Straightening	753910
81111412	Automobile Fuel Conversion	753929
81111413	Automobile Headlight Adjusting	753912
81111414	Automobile Radiator Repairing	753901
81111415	Automobile Repair/Svc Facilities-Renting	753926
81111416	Automobile Shock Absorbers	753922
81111417	Automobile Smog Control Inspections	753913
81111418	Automobile Smog Control Devices	753902
81111419	Automobile Suspensions	753932

NAICS Code	label	sic_codes
81111420	Axles	753915
81111421	Balancing Service-Automotive	753927
81111422	Brake Linings	753930
81111423	Brake Service	753914
81111424	Brake Shoe Bonding & Exchanging	753917
81111425	Buses-Repairing & Service	753921
81111426	Campers & Pick-Up Coaches-Repair & Svc	753916
81111427	Carburetors	753919
81111428	Clutches	753918
81111429	Engines-Fuel-Conversion	753924
81111430	Fuel Injection Equipment (Repairing)	753906
81111431	Fuel-Economizers	753907
81111432	Gas Tanks-Repairing	753931
81111433	Motor Homes-Repairing & Service	753909
81111434	Radiators-Coolants & Solvents	753923
81111435	Radiators-Industrial	753925
81111436	Smoke Abatement Equipment	753928
81111437	Spark Plugs	753920
81111438	Speedometers-Repairing	753934
81111439	Springs-Automotive-Sales & Service	753905
81111440	Starters-Automotive-Repairing	753935
81111441	Starters-Engine	753904
81111442	Steering Systems & Equipment-Repairing	753936
81111443	Struts	753937
81111444	Truck Air Conditioning Equip-Repairing	753939
81111445	Wheel & Rim Repairing	753949
81111446	Wheel Alignment-Frame & Axle Svc-Auto	753903
81111447	Wheel Suspension Systems	753938
81111448	Automotive Interior Leak Repair	753950
81111449	Air Bags Parts & Service	753940
81111450	Battery Charging Equipment-Repairing	753941
81111451	Automobile Computer Equipment & Repair	753951
81112101	Automobile Beds	753219
81112102	Automobile Body-Repairing & Painting	753201
81112103	Automobile Customizing	753203
81112104	Automobile Paint	753202
81112105	Automobile Pin Striping	753213
81112106	Automobile Restoration-Antique & Classic	753204
81112107	Automobile Seatcovers Tops & Upholstery	753207
81112108	Automobile-New Car Pre-Delivery Service	753220
81112109	Automobile-Reconditioning	753205
81112110	Automobile-Wood Refinishing	753214
81112111	Boat & Yacht Customizing	753216
81112112	Boat Restoration	753217
81112113	Bus Conversion	753223
81112114	Canvas Goods-Repairing	753218
81112115	Limousine-Conversions	753215
81112116	Motorcycles & Motor Scooters-Painting	753210
81112117	Motorcycles-Customizing	753211
81112118	Stock Cuts	753222
81112119	Truck Bodies-Repairing	753212
81112120	Truck Chassis Alterations & Equipment	753221
81112121	Truck-Painting & Lettering	753206
81112122	Horse Carriages-Build Repair Restore	753226

NAICS Code	label	sic_codes
81112123	Wheel Chair Van Lifts	753209
81112124	Canopies Truck Repair & Service	753224
81112125	Automobile Paint Repairing	753225
81112126	Trailers-Custom Built	753227
81112127	Vehicle Wraps	753228
81119101	Automobile Lubrication Service	754903
81119102	Lubricating Service-Mobile	754906
81119201	Automobile Detail & Clean-Up Service	754203
81119202	Automobile Upholstery Cleaning	754204
81119203	Car Washing & Polishing-Coin Operated	754205
81119204	Livestock Trailers-Washing	754207
81119205	Steam Cleaning-Automotive	754202
81119206	Truck-Washing & Cleaning	754206
81119208	Car Washing & Polishing	754201
81119801	Automobile Appearance & Protection	754919
81119802	Automobile Diagnostic Service	754907
81119803	Automobile Emission Testing	754918
81119804	Automobile Inspection Stations-New/Used	754908
81119805	Automobile Transporters & Drive-Away Co	754910
81119806	Automobile Undercoating & Rustproofing	754902
81119807	Automobile-Striping Service	754909
81119808	Automotive Consultants	754921
81119809	Automotive Information Services	754917
81119810	Automotive Svcs-Except Rpr & Car Washes	754999
81119811	Automobile Interior Repair	753952
81119812	Carbon Petroleum	754920
81119813	Motorcycle Inspection Stations	754915
81119814	Motorcycles-Transporting	754926
81119815	Recreational Vehicles-Transporting	754916
81119816	Rustproofing-Industrial	754912
81119817	Tire Ballast	753403
81119818	Tire Service	753402
81119819	Tire-Customizing & Modification	753404
81119820	Vehicle Emission Testing-Svc & Repair	754922
81119821	Vehicle Inspection Service	754914
81119822	Window Tinting Materials	754913
81119823	Engine Diagnostic Service	754928
81232001	Laundries	721101
81232002	Cleaners	721201
81232003	Cleaners & Dyers-Wholesale	721604
81232004	Fur-Storage	721901
81232005	Cleaners-Blanket	721204
81232006	Cleaners-Wholesale	721603
81232007	Laundry & Garment Services NEC	721999
81232008	Feather Renovators	721205
81232009	Drapery & Curtain Cleaners	721602
81232010	Ironing Service	721208
81232011	Drycleaning Plants-Except Rug	721698
81232012	Knit Goods-Blocking Service	721206
81232013	Dyers	721601
81232014	Pressing Machines & Services-Garment	721203
81232015	Pressing Shops	721207
81232016	Suede Cloth (Cleaning)	721209
81232018	Laundries-Drop Off Service	721210

NAICS Code	label	sic_codes
81232019	Laundries Pickup & Delivery	721211
81232020	Dry Cleaning & Laundry Lockers	721212

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