





Stationary Source Tracking Database

- Data for Stationary Sources Stored in Tracking Database
 - Company and Facility Information
 - Status of Permit
 - Permitted Emission Limits
 - Location of Facility
 - Physical Address
 - Universal Transverse Mercator Coordinate System (UTM)





Active Permits Breakdown

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	Active	Permits
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Title V

 Synthetic Minor New Source Review (NSR) 14

Minor New Source Review (NSR)

Relocations

Registrations

No Permit Required

675

255



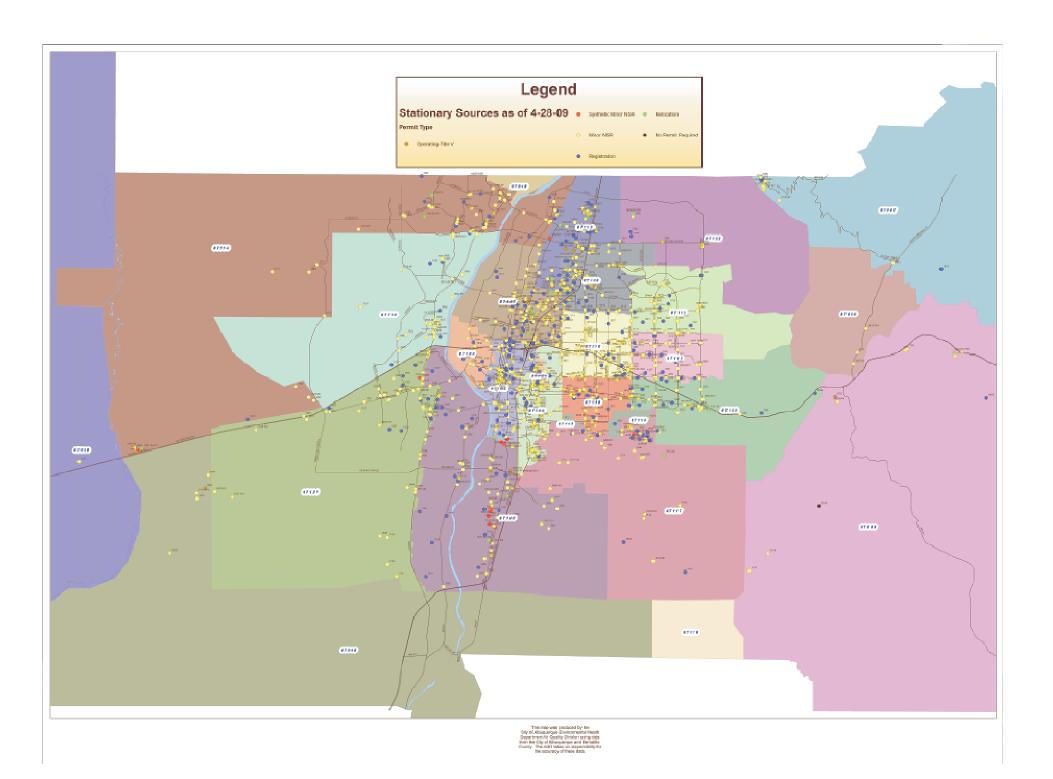


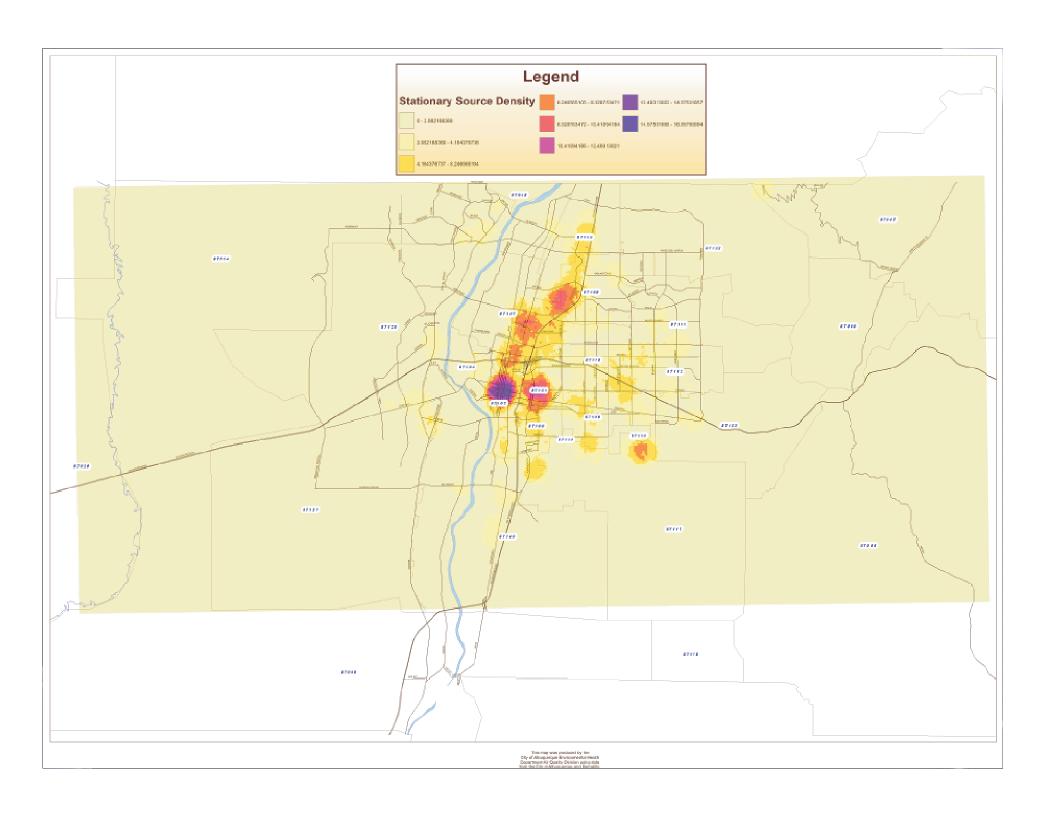
Types of Facilities

 Emergency Generators 	308
 Gas Service/Fleet Stations 	251
• Boilers	75
 Dry Cleaners 	50
Manufacturing	48
 Aggregate Processing/Crushing 	45
 Paint & Body/Coating & Spraying 	38









Criteria Pollutants

- Carbon Monoxide (CO)
- Sulfur Dioxide (SOx)
- Nitrogen Dioxide (NOx)
- Volatile Organic Compounds (VOC)
- Total Suspended Particulate (TSP)
- 10 Micron Particulate Matter (PM₁₀)
- 2.5 Micron Particulate Matter (PM_{2.5})
- Lead (Pb)
- Hazardous Air Pollutants (HAP)





Permitted Emission Limits

- Based on Potential to Emit (PTE)
 - The highest a facility is allowed to emit of a specific pollutant.
 - Very few facilities come close to emitting at the level they are permitted.
- Not Actual Pollutant Levels
 - Actual pollutant levels could be determined by emission inventory.
 - Pollutant levels for certain areas could be obtained through interpolating monitoring data.





Permitted Emission Limits

 No Sources Permitted Emission Limit will exceed National Ambient Air Quality Standards (NAAQS) or New Mexico Ambient Air Quality Standards (NMAAQS).

Pollutant		Standards	
	Federal Primary	Federal Secondary	New Mexico
Carbon Monoxide (CO)	0.700000000	ACD TO TOO TO SE	
8-hour average	9.0 ppm	none	8.7 ppm
l-hour average	35 ppm	none	13.1 ppm
Nitrogen Dioxide (NO:)			
24-hour average	none	none	0.10 ppm
Annual arithmetic mean	0.053 ррт	0.053 ppm	0.05 ppm
Ozone (O ₄)			Ι
1-hour average	0.120 ppm	0.120 ppm	none
S-hour average	0.08 ppm	0.08 ppm	none
Sulfur Dioxide (SO ₂)			
24-hour average	0.14 ppm	none	0.10 ppm
3-hour average	none	0.5 ppm	none
Annual arithmetic mean	0.03 ppm	none	0.02 ppm
Particulate Matter (PM2.4)			
24-hour average	65 μg/m ³	65 μg/m ³	none
Annual arithmetic mean	15 µg/m ³	$15 \mu g/m^3$	none
Particulate Matter (PM ₁₀)	8999 075	890807 WVSIV	
24-hour average	150 μg/m³	150 μg/m ³	none
Annual arithmetic mean	50 μg/m ³	$50 \mu g/m^3$	none
Lead (Pb)		100000000000000000000000000000000000000	
Quarterly arithmetic mean	1.5 μg/m ³	1.5 μg/m ³	none
Hydrogen Sulfide			
1-hr average	none	none	0.010 ppm
Total Reduced Sulfur			
1/2-hour average	none	none	0.003 ppm
Particulate Matter (TSP)			
24-hour average	none	none	150 µg/m"
7-day average	none	none	110 µg/m ³
30-day average	none	none	90 μg/m [*]
Annual geometric mean [20.11.8.13 NMAC - N, 7/1/04]	none	none	$60 \mu g/m^3$

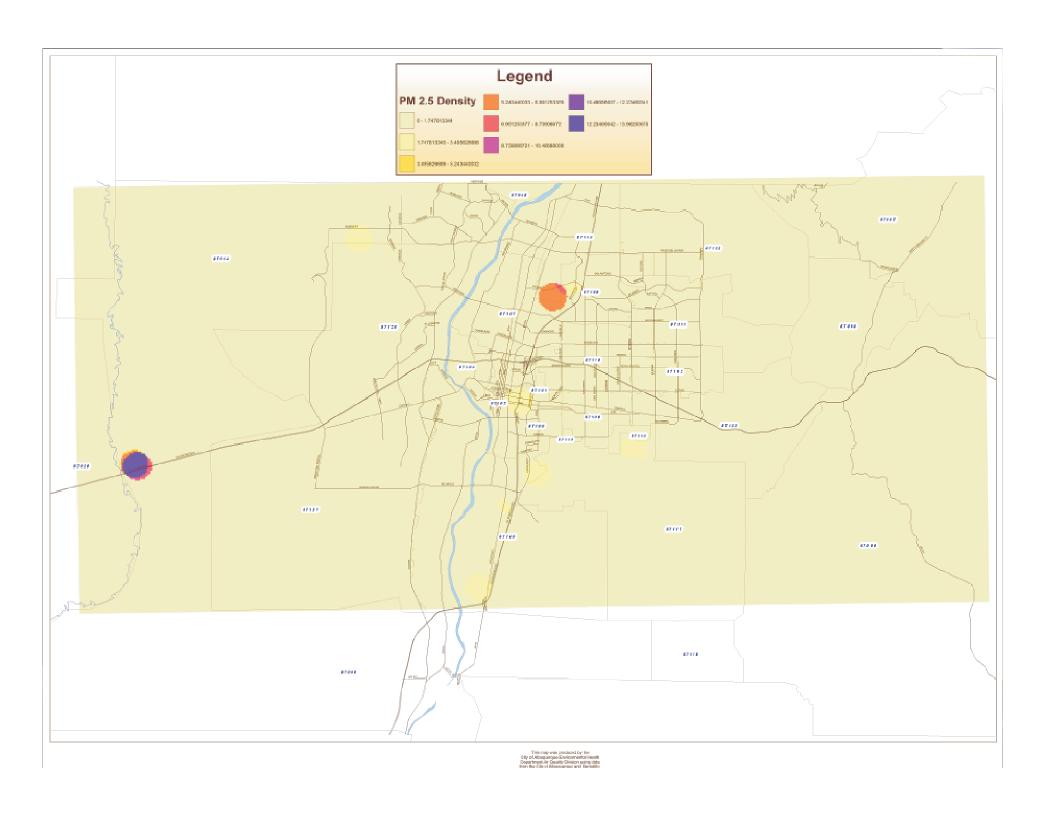


Density Maps

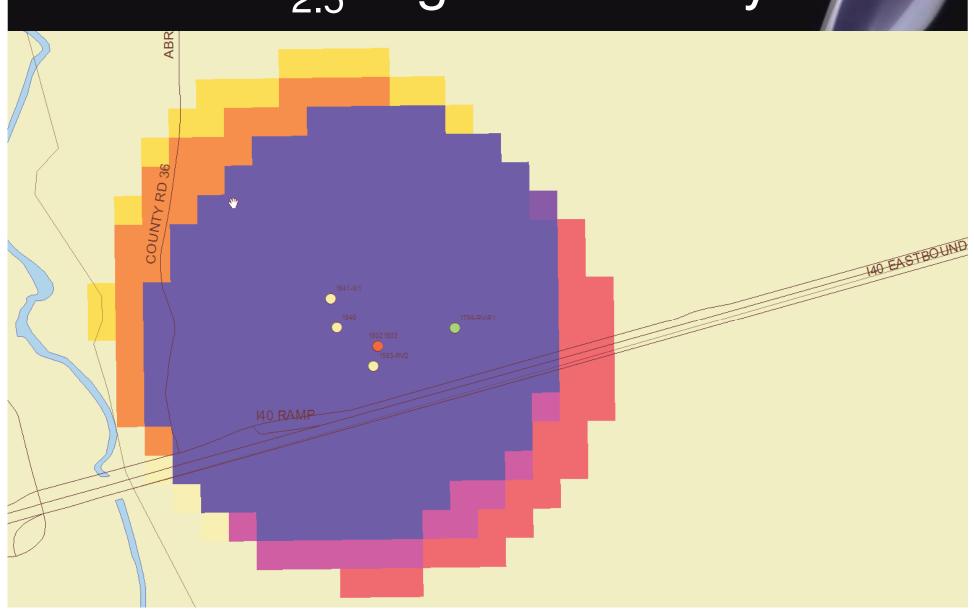
- Using the Spatial Analyst Extension and the Point Density tool in ArcMap 9.3 one can use the Permitted Emission Limits to create Density Maps for the Criteria Pollutants.
- 6.2% of all files in Database currently do not have pollutant data that is usable for density calculation.
- Only three facilities in Bernalillo County have entries associated with lead. A density map cannot be created for lead.

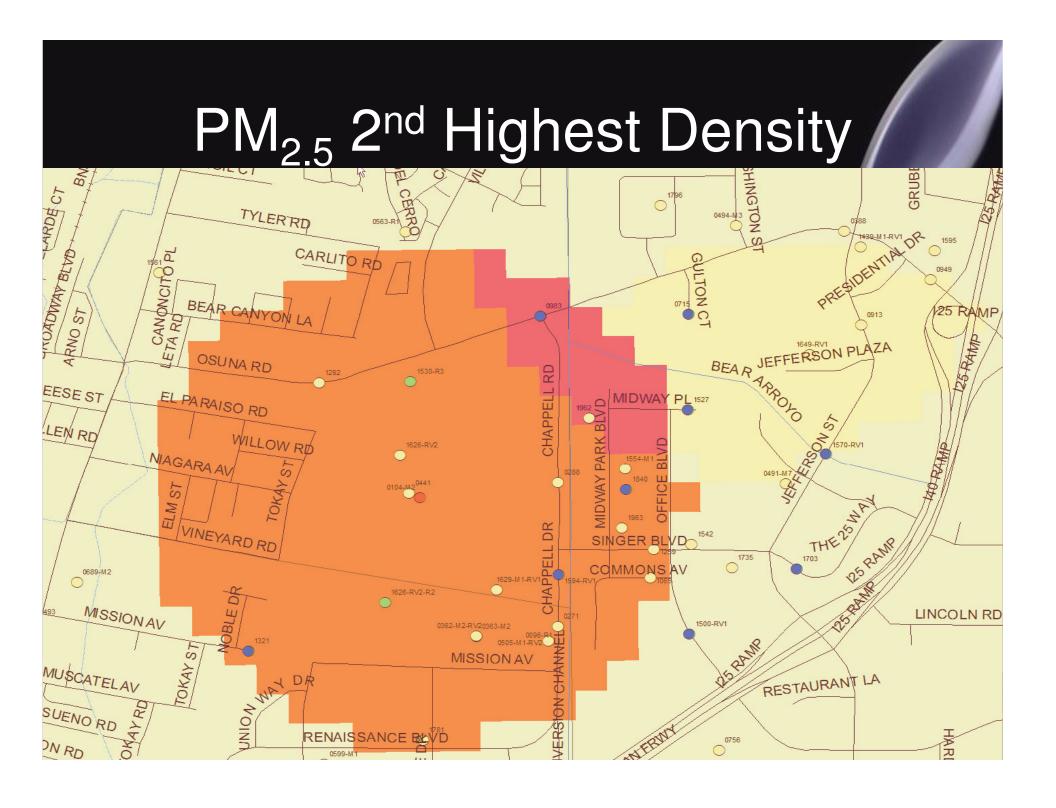


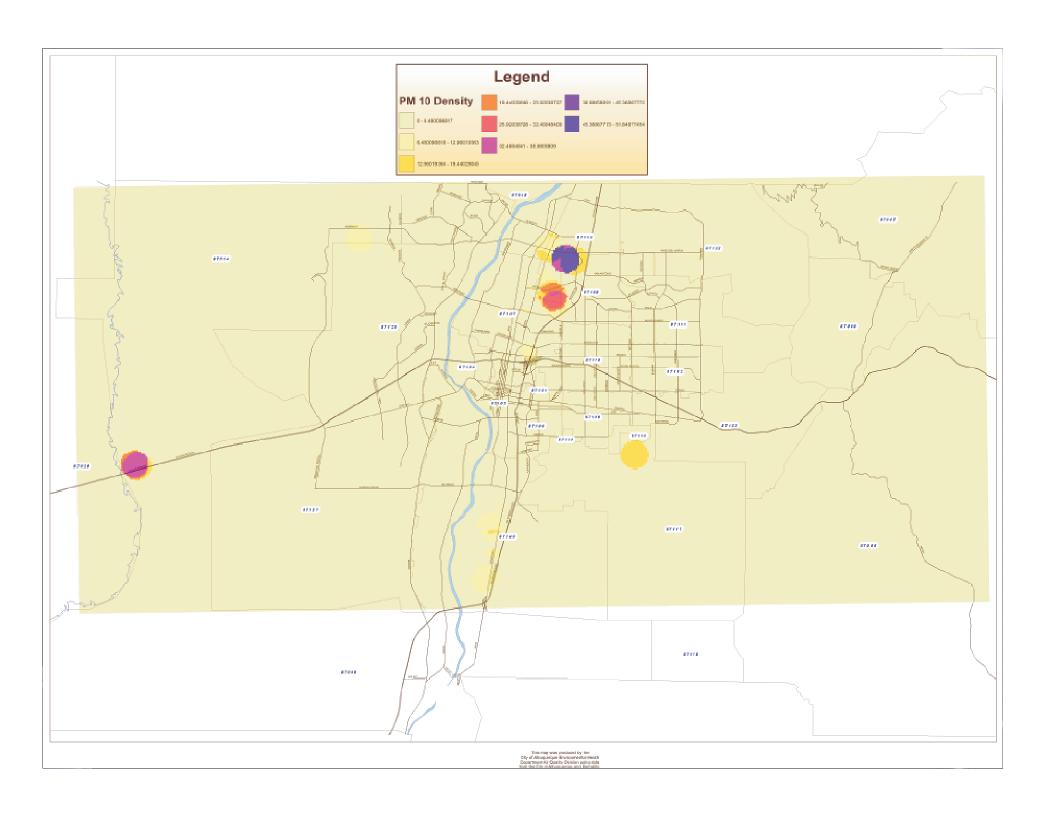


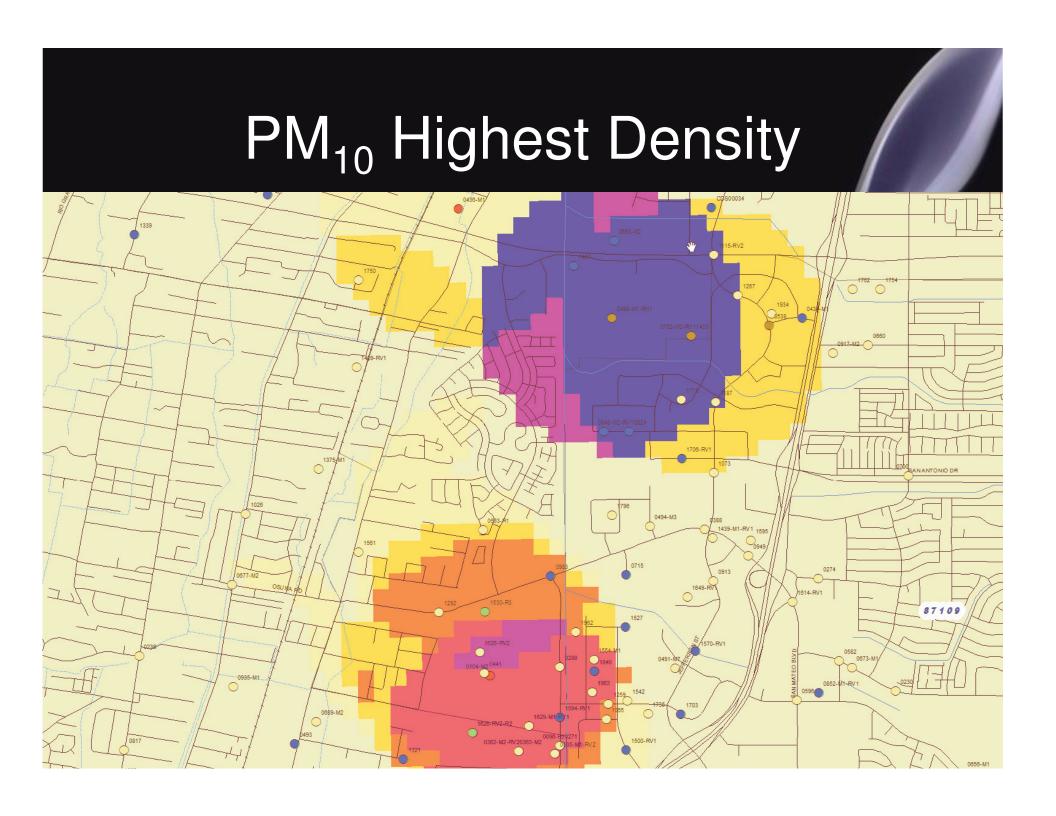


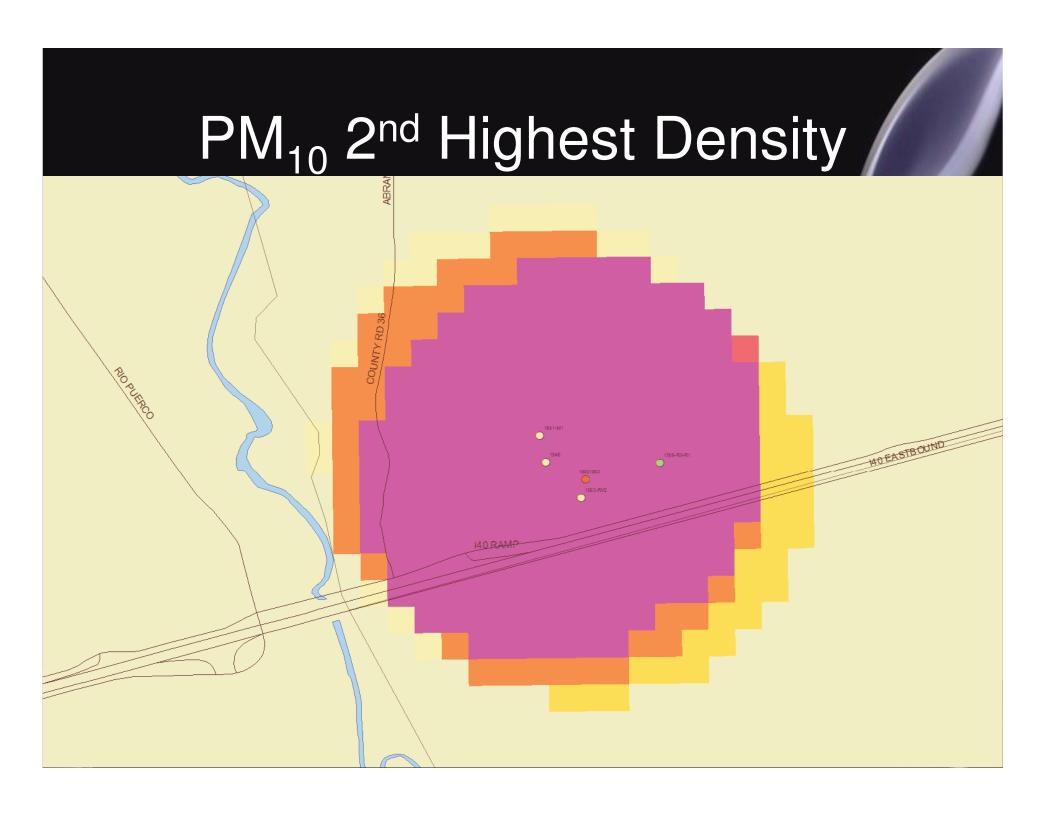




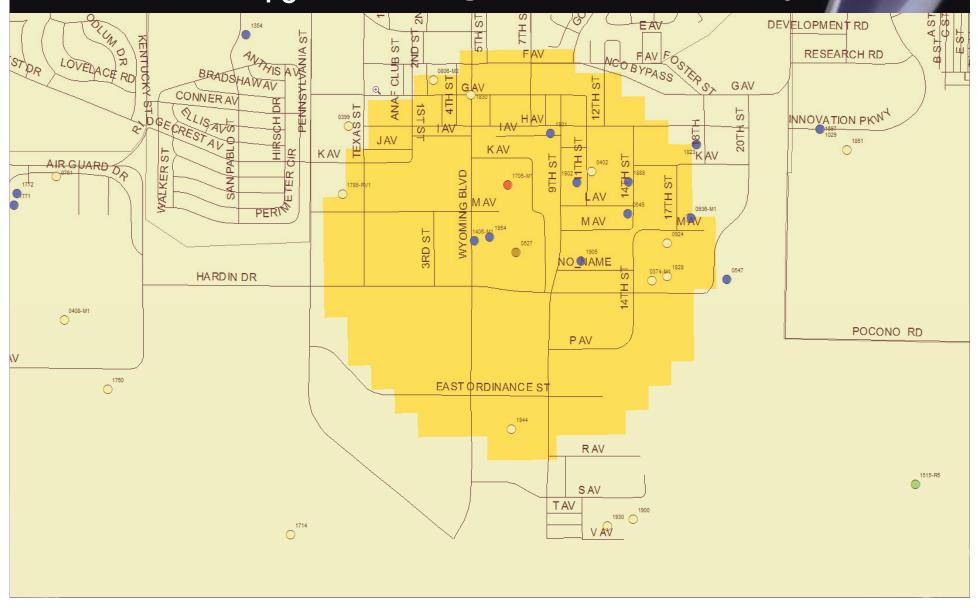


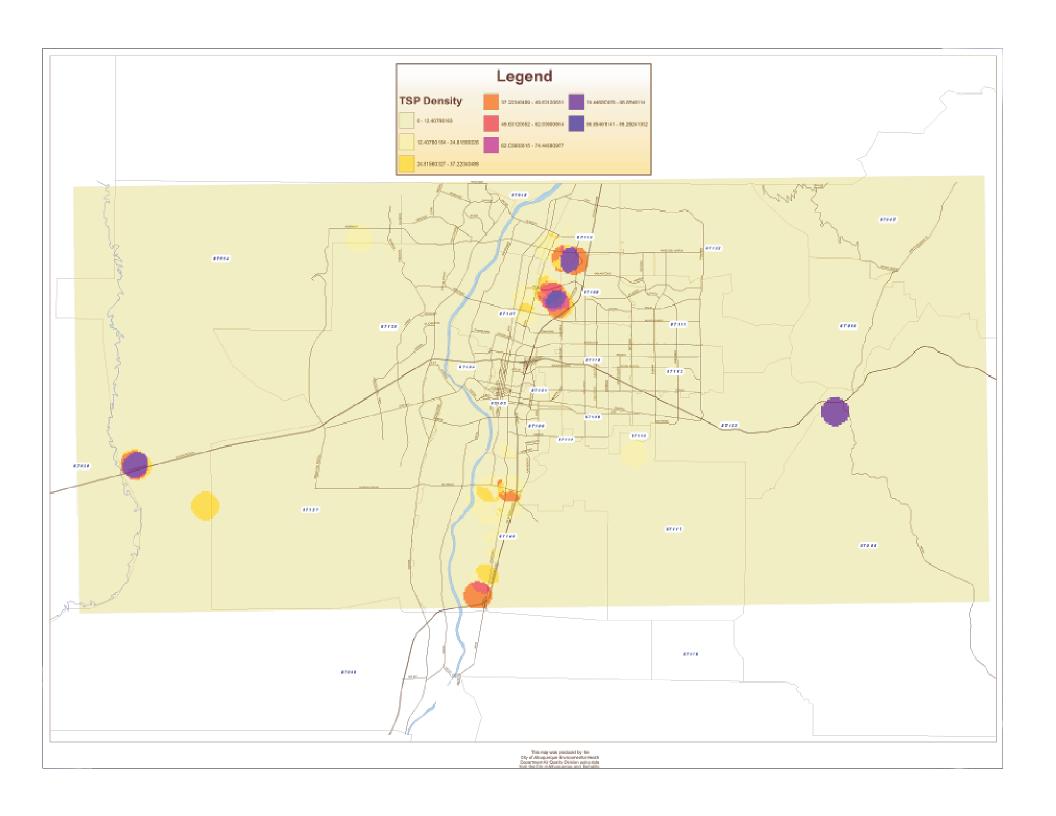






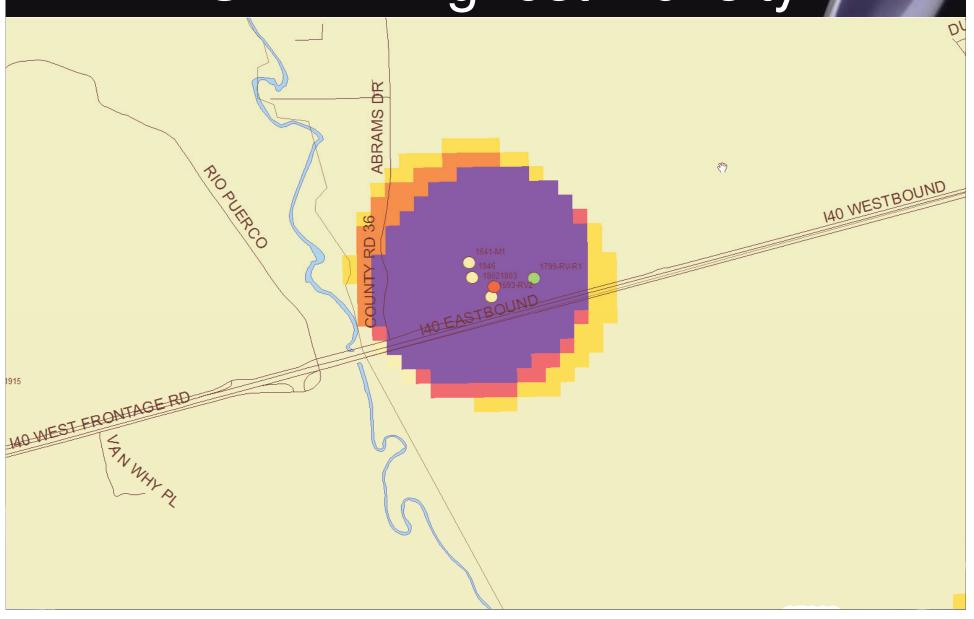
PM₁₀ 3rd Highest Density



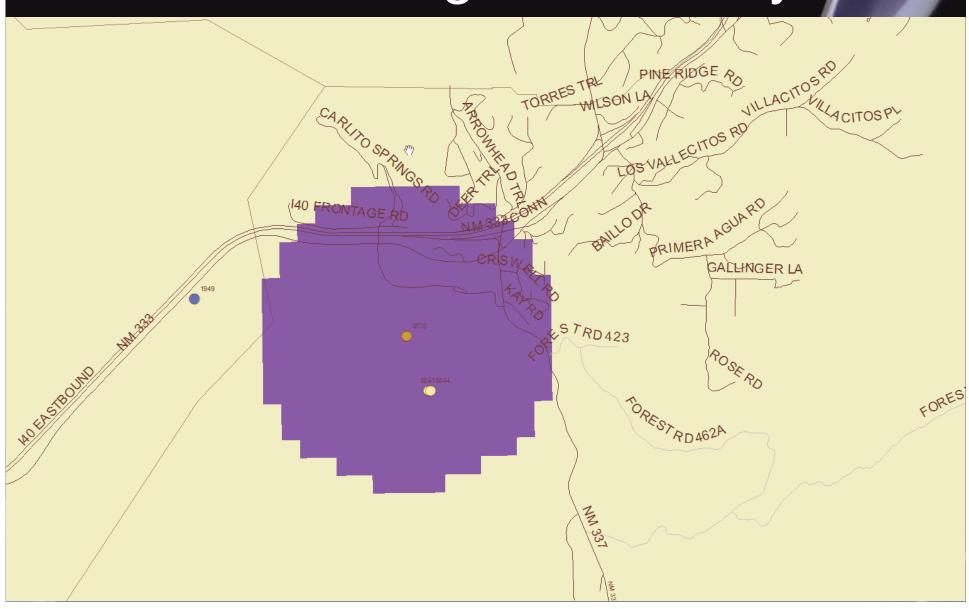


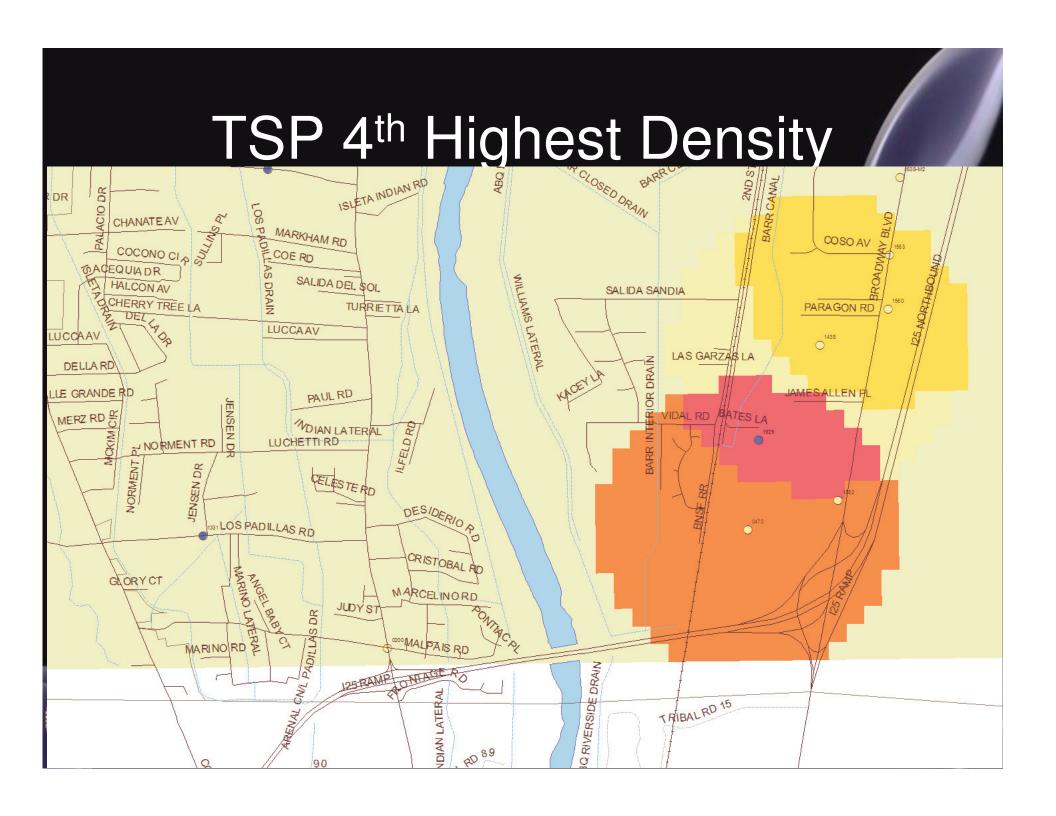
TSP Highest Density 84113 ALAMEDA BLVD PASEO DEL NORTE GARDUNO DR MIKE LA SIGNAL AV WILSHIRE AL CORONAAV EDPUEBLO RD LOUANNE LA CARMEL AV DESERTFO HOLLYAV WAYNE RD DEBBIE LA SENDA LA PALOMASAV RANCHITOS RD LOS RANCHOS RD CHAMISO L PUEBLO LUNA BOSQUE RD PINO ARROYO TASCOSALA VIVIANDR ORANA GE EASEMENT CHAVEZ RD WILLOW RDI FARWAYRO OLARRD VINEYARD RD GRECIANAN SANDIA RD KINCOLN RD VICLEOD ROSTA JEFFERSON ST

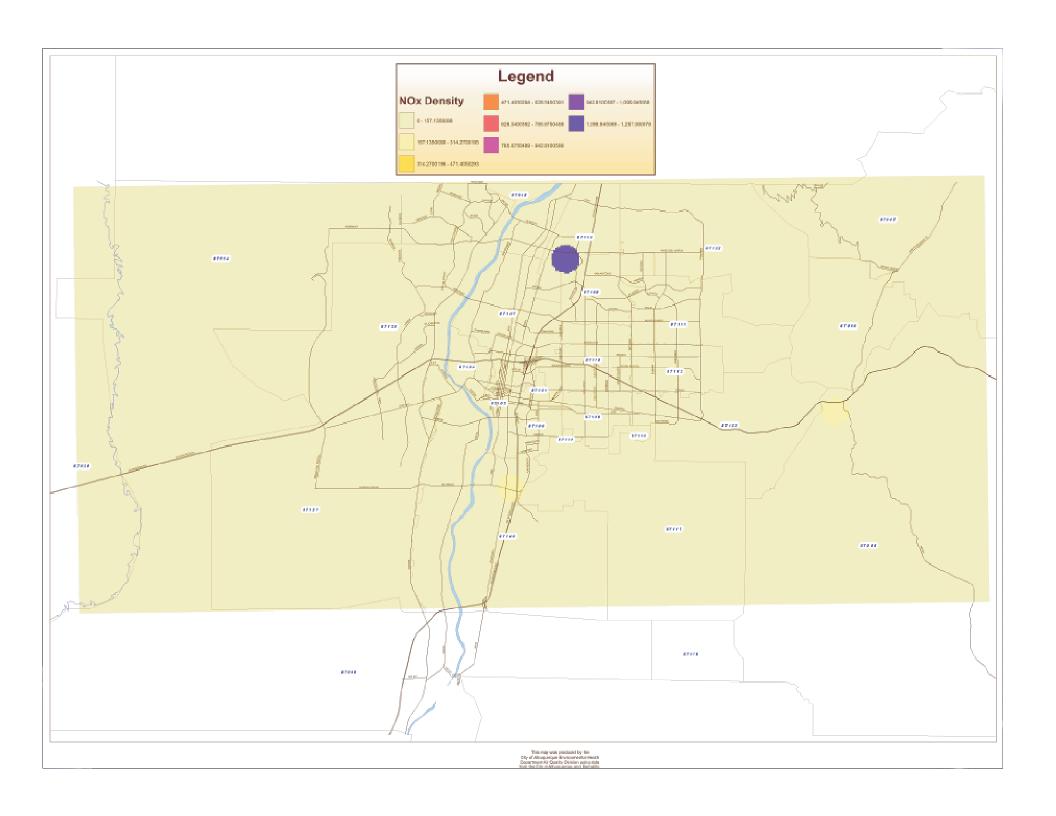
TSP 2nd Highest Density

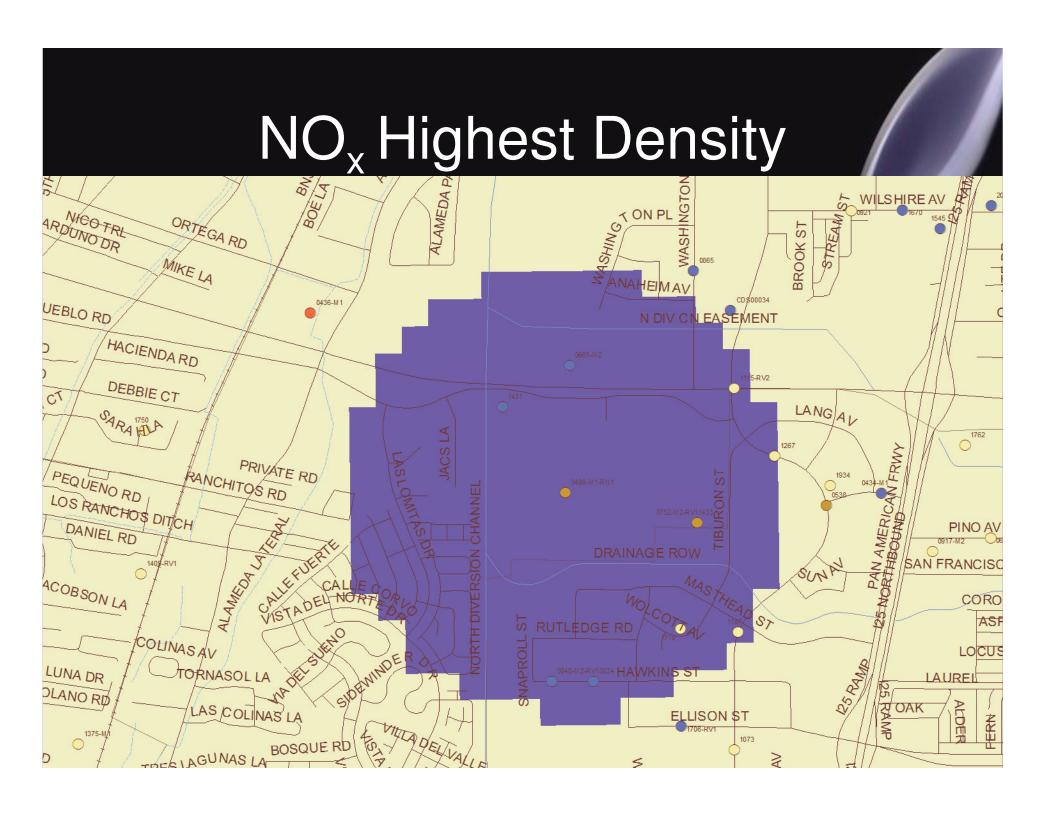


TSP 3rd Highest Density



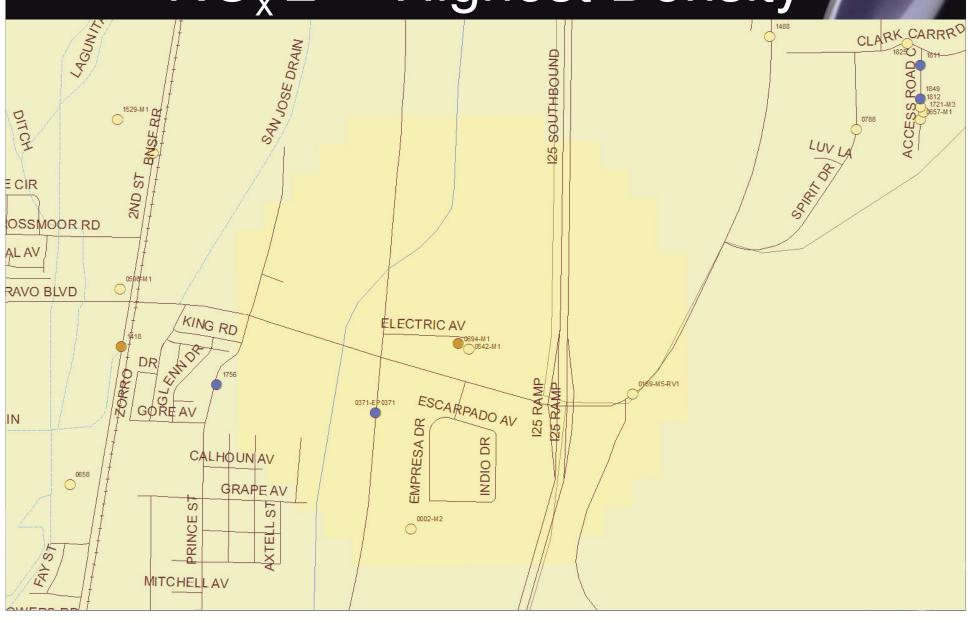


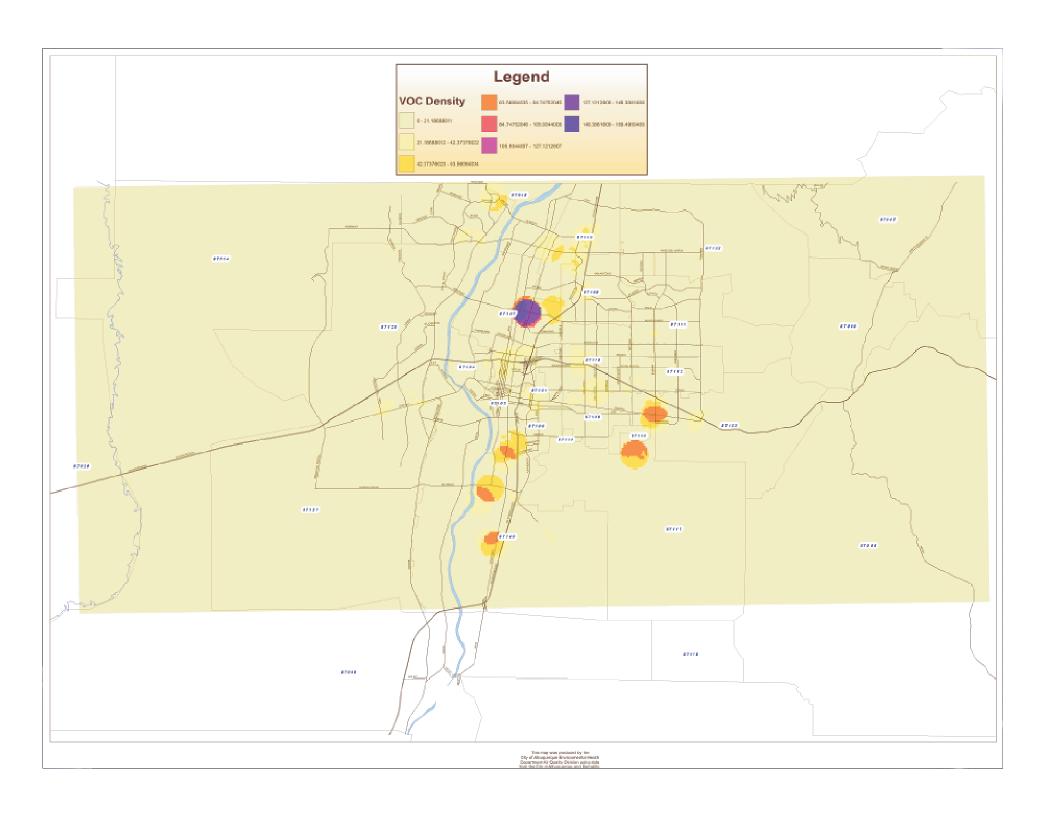




NO_x 2nd Highest Density TURQUOISE TRIDEER 40 FRONTAGE RD THERASAV SUBLIC SCHOOL RD DUNBRO OR ESTRO 423 PEST RD 462A

NO_x 2nd Highest Density

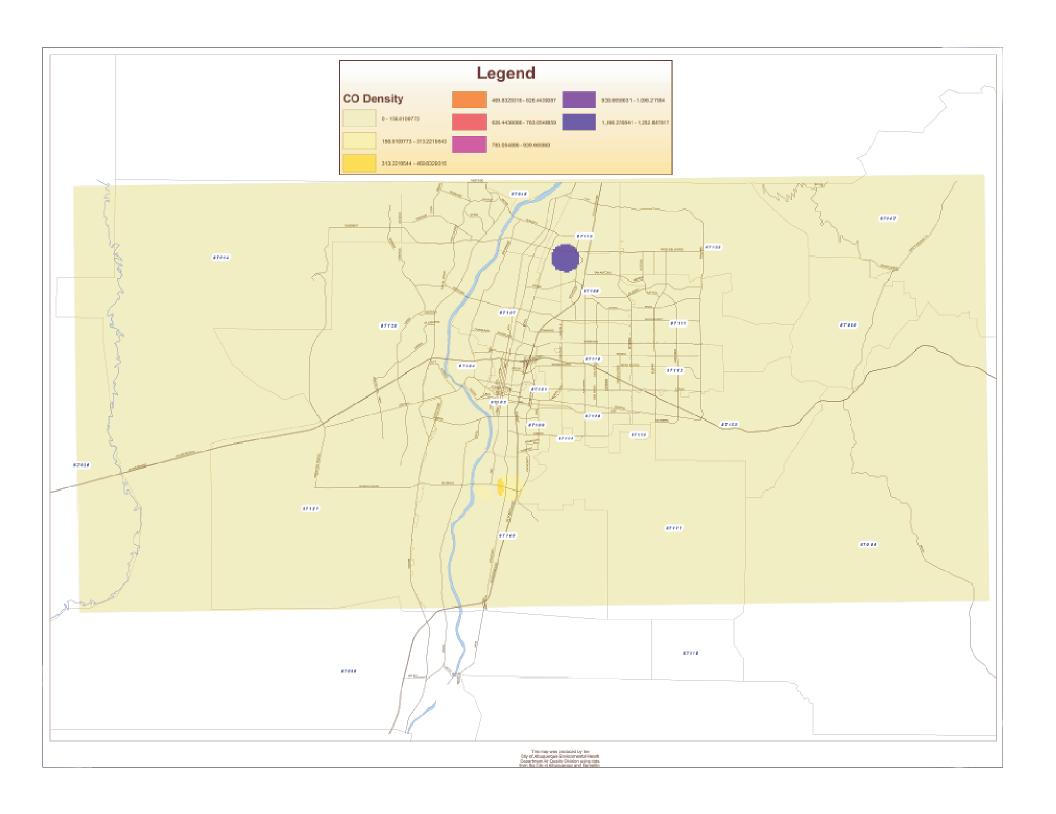


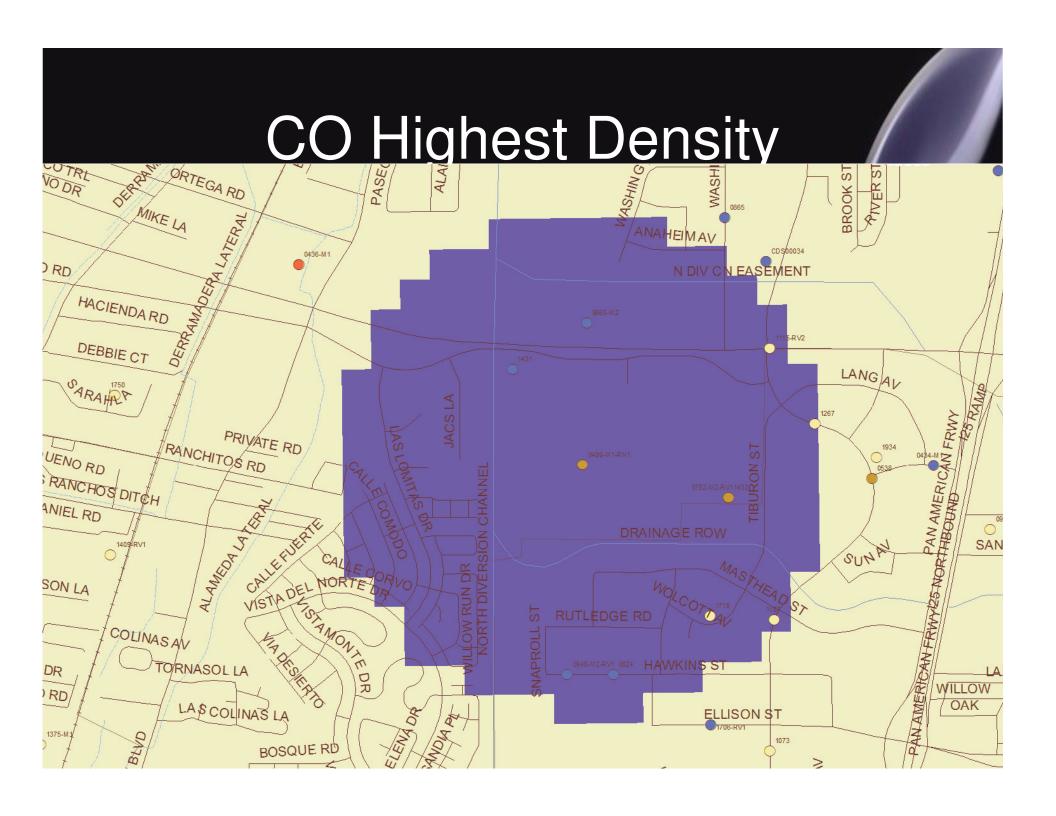


VOC Highest Density GRECIAN AV BLVD ATERAL TOKA ALAMOSA RD TA PLATA RD SANDIA RD AULINE ST ADOBE RD 0362-M2-RV20363-M2 GENEAV MISSIONAV MUSCATELAV PANAMERICANE JUANITA LA DOUGLAS MACARTHUR RENAISSANCE BLVD SAN ANDRESAV DELAMARAV SANANDRESAV GRIEGOS RD 125 RAMP BL 0698 MIDTOWNEL 9TH ST HENDRIX RD COAV LAS HERMANAS MAR\$ RD CARMONYRD HILTO ERD VASSAR PI HEADINGLYA K 0584-RV -ULANE WELLESLEY DR MONTEAL AZTECRO N MAWR DR SION CHANNEL RICHMOND DR INDUSTRIALAV ERA NDA RD MAJORAY 20012002 DR FITZGERALD RD AZTEC RD CLANE BRY MLDREDAV VST ¥

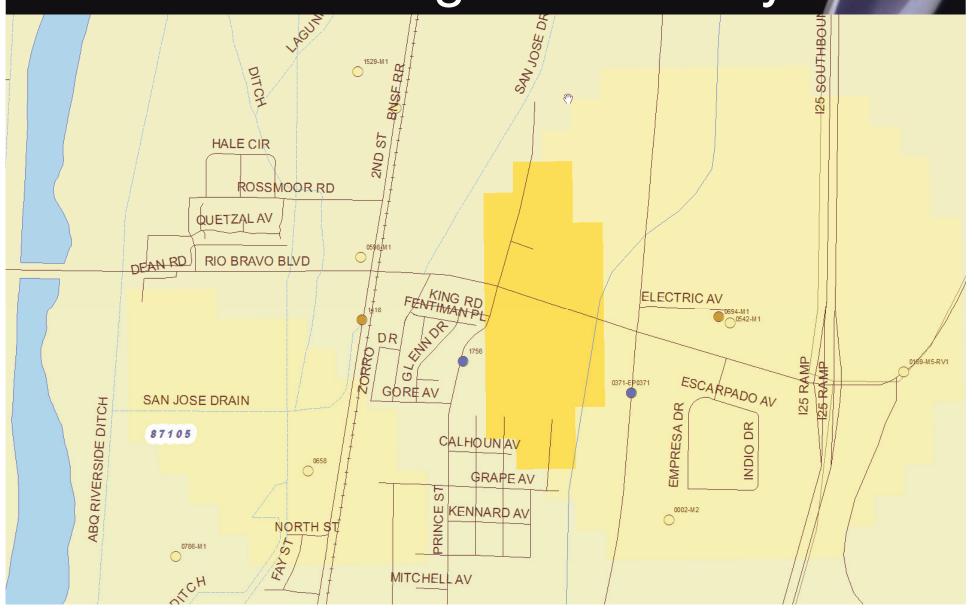
VOC 2nd Highest Density

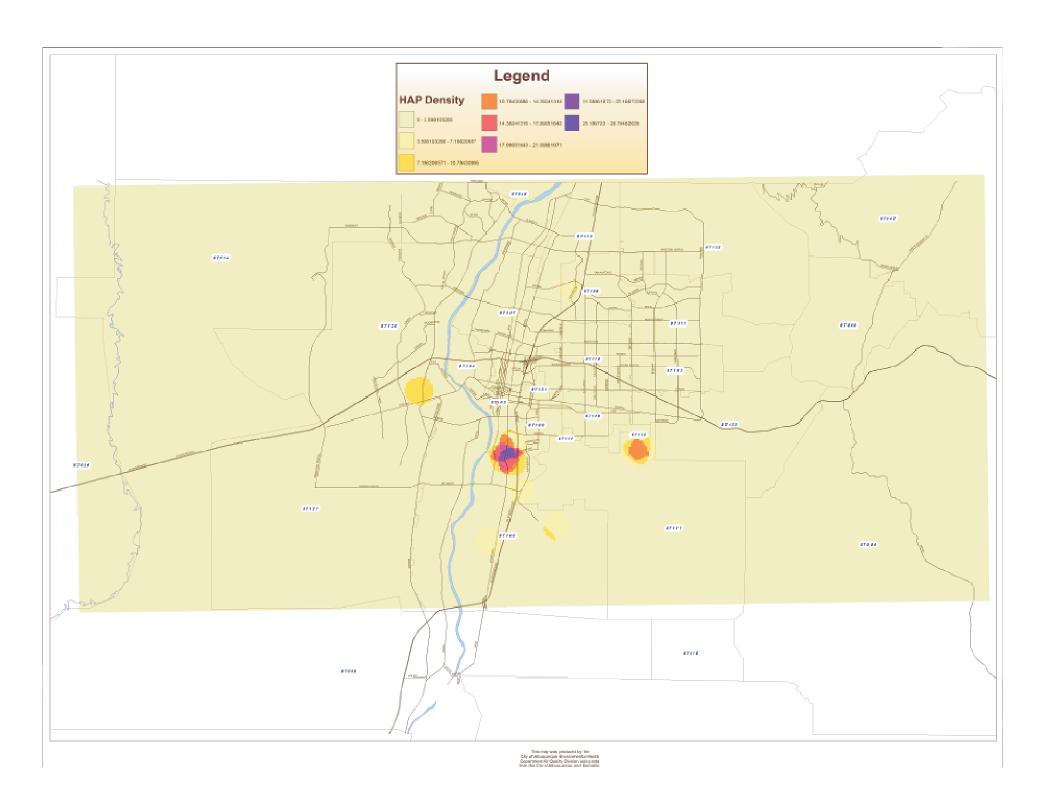
VOC 2nd Highest Density



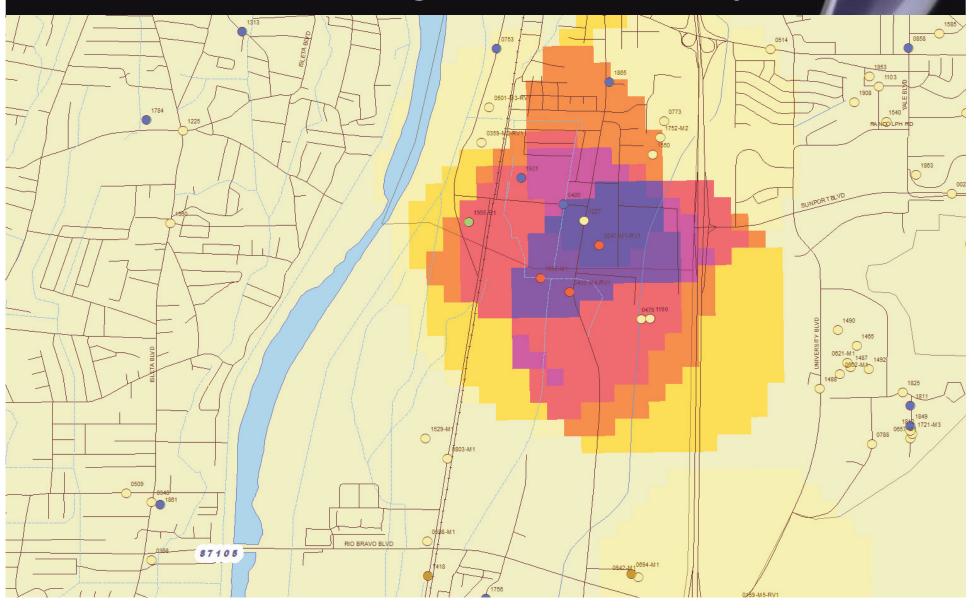


CO 2nd Highest Density





HAP Highest Density



HAP 2nd Highest Density HORSE TOWN \vdash S S GIBSON AV 5TH ST DEVELOPMENT RD PERIMETERCIR RESEARCH RD PENNSYLVÁNIA ST INNOVA TON PKNY GAV CONNERAV HIRSCHIDR FXAS ST ST KAV 17TH ST 0938-M1 0925-M1 M AV 3RD ST AYWOOD DR 0547 HARDIN DR POCONO RD P AV EAST ORDINANCE ST RAV 1515-R5 SAV **UAV**

HAP 3rd Highest Density

