**SanGIS**

San Diego Geographic Information Source

# SanGIS Update: Performance, Statistics, Projects and Data

Presentation to the SDRGC
April 9, 2008

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SanGIS

# SanGIS Landbase, Data Warehouse & Mapping PERFORMANCE

- SanGIS maintains over 983,000 parcels and 151,00 road segments for a geographic area larger than the State of Connecticut

- Landbase currency is consistently less than 90 days of map recordation and maintained with 99.9% integrity

- Landbase, Data Warehouse and Mapping availability is consistently 99.9%+

- Staff continuously conducts outreach to members, other agencies, data customers, Public Safety and providers to help ensure timeliness and accuracy of landbase

- SanGIS proactive in seeking data: eg. Chula Vista roads prior to need by San Diego Fire dispatch

- SanGIS landbase and data warehouse serves 85% of all San Diego area jurisdictions for their digital parcel and road source in business critical and Public Safety operations

- FY09 Budget lowest in nine years at $1,445,000

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# Parcel and Road Segment Counts and Features Processed to Date

The following table provides a count of Parcels and Road Segments by jurisdiction, as well as the number of each feature that have been processed into the Landbase by SanGIS for Fiscal Year 2008.

**PARCEL & ROAD SEGMENT COUNTS AND FEATURES PROCESSED**
6/27/07 to 2/11/08

| JURISDICTION | Parcel Count | Percent | | Road Seg Count | Percent | | Parcels Added | Percent | | Road SegS Added | Percent | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carlsbad | 73,384 | 7.46% | | 5,415 | 3.58% | | 166 | 2.07% | | 21 | 3.12% | |
| Chula Vista | 60,638 | 6.16% | | 8,169 | 5.41% | | 778 | 9.69% | | 275 | 40.80% | |
| Coronado | 10,850 | 1.10% | | 1,369 | 0.91% | | 28 | 0.35% | | 0 | 0.00% | |
| County | 206,734 | 21.01% | | 44,815 | 29.66% | | 1,069 | 13.31% | | 174 | 25.82% | |
| Del Mar | 4,414 | 0.45% | | 516 | 0.34% | | 7 | 0.09% | | 2 | 0.30% | |
| El Cajon | 20,231 | 2.06% | | 2,947 | 1.95% | | 140 | 1.74% | | 6 | 0.89% | |
| Encinitas | 22,085 | 2.24% | | 3,207 | 2.12% | | 52 | 0.65% | | 0 | 0.00% | |
| Escondido | 34,199 | 3.48% | | 6,284 | 4.16% | | 421 | 3.48% | | | 0.00% | |
| Imperial Beach | 5,505 | 0.56% | | 1,071 | 0.71% | | 52 | 0.65% | | 0 | 0.00% | |
| La Mesa | 16,923 | 1.72% | | 2,492 | 1.65% | | 242 | 3.01% | | 0 | 0.00% | |
| Lemon Gorve | 7,138 | 0.73% | | 1,111 | 0.74% | | 30 | 0.37% | | 0 | 0.00% | |
| National City | 9,567 | 0.97% | | 2,367 | 1.57% | | 53 | 0.66% | | 2 | 0.30% | |
| Oceanside | 56,842 | 5.78% | | 7,378 | 4.88% | | 1018 | 12.67% | | 50 | 7.42% | |
| Poway | 15,327 | 1.56% | | 2,413 | 1.60% | | 88 | 1.10% | | 0 | 0.00% | |
| San Diego | 367,748 | 37.38% | | 51,788 | 34.27% | | 3552 | 44.22% | | 124 | 18.40% | |
| San Marcos | 21,984 | 2.23% | | 3,266 | 2.16% | | 176 | 2.19% | | 1 | 0.15% | |
| Santee | 15,482 | 1.57% | | 2,238 | 1.48% | | 43 | 0.54% | | 13 | 1.93% | |
| Solana Beach | 13,053 | 1.33% | | 672 | 0.44% | | 6 | 0.07% | | 0 | 0.00% | |
| Vista | 21,796 | 2.22% | | 3,592 | 2.38% | | 111 | 1.38% | | 6 | 0.89% | |
| **Totals** | **983,900** | **100.00%** | | **151,110** | **100.00%** | | **8,032** | **98.23%** | | **674** | **100.00%** | |

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# SanGIS Landbase
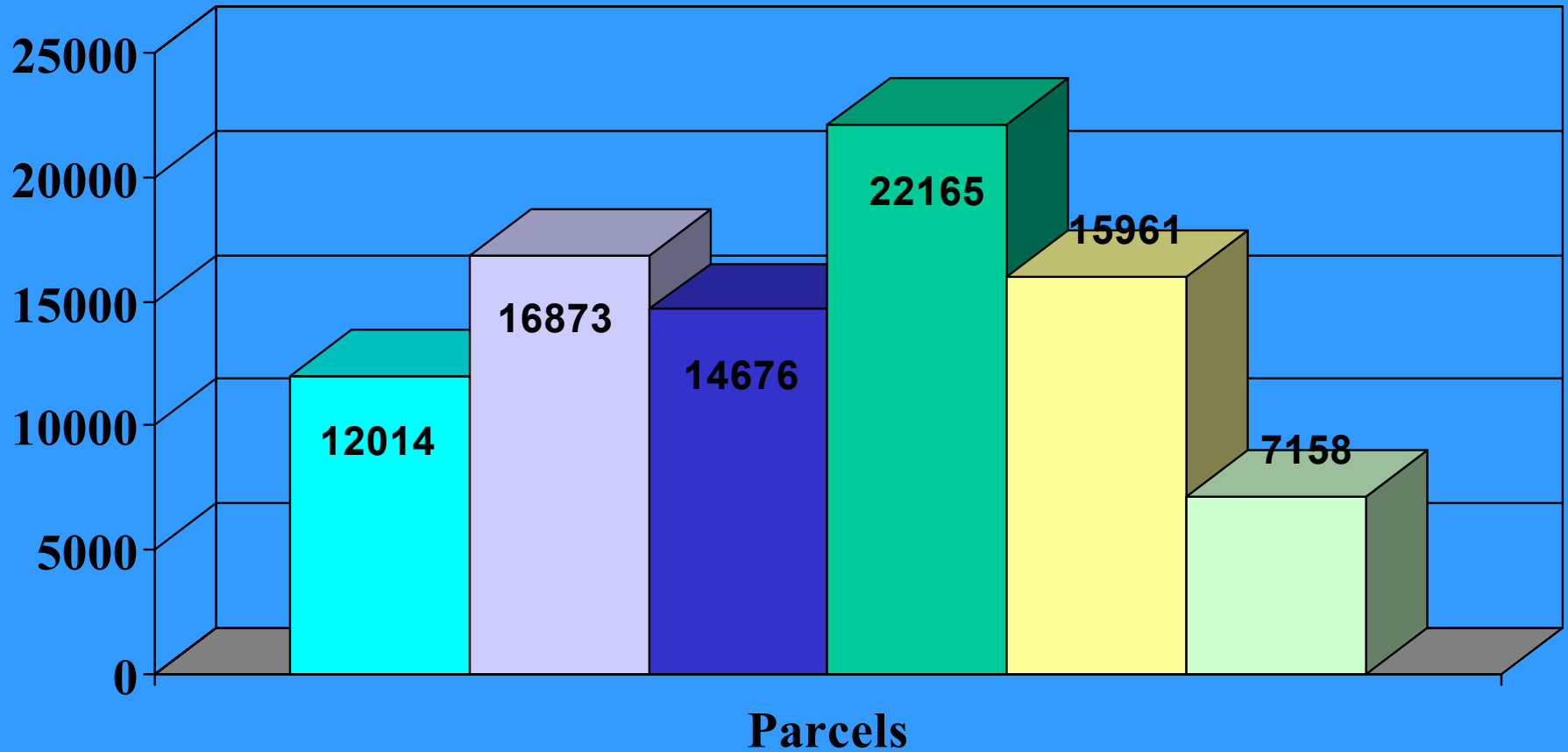
# STATISTICS

# FY03 to FY08

- SanGIS maintains not only the landbase, data warehouse and mapping, but also maintains measures of its performance

- Landbase processing workload has been cyclical over a six year period from FY03 through FY08

- SanGIS took over landbase maintenance from the City in FY03, resulting in an initial spike in the addition of landbase lots, parcels and roads and a large number of maps received

- Landbase additions declined in FY05, increased to a new high in FY06, and except for subdivisions and maps received decreased slightly in FY07.

- Statistics for FY08 are about 2/3 complete, but additions and maps received may approach FY07 values

- Significant landbase corrections were required by SanGIS when it first received the landbase, but over the past seven years the need for corrections has steadily declined; corrections are now at an all-time low at about half of any previous year

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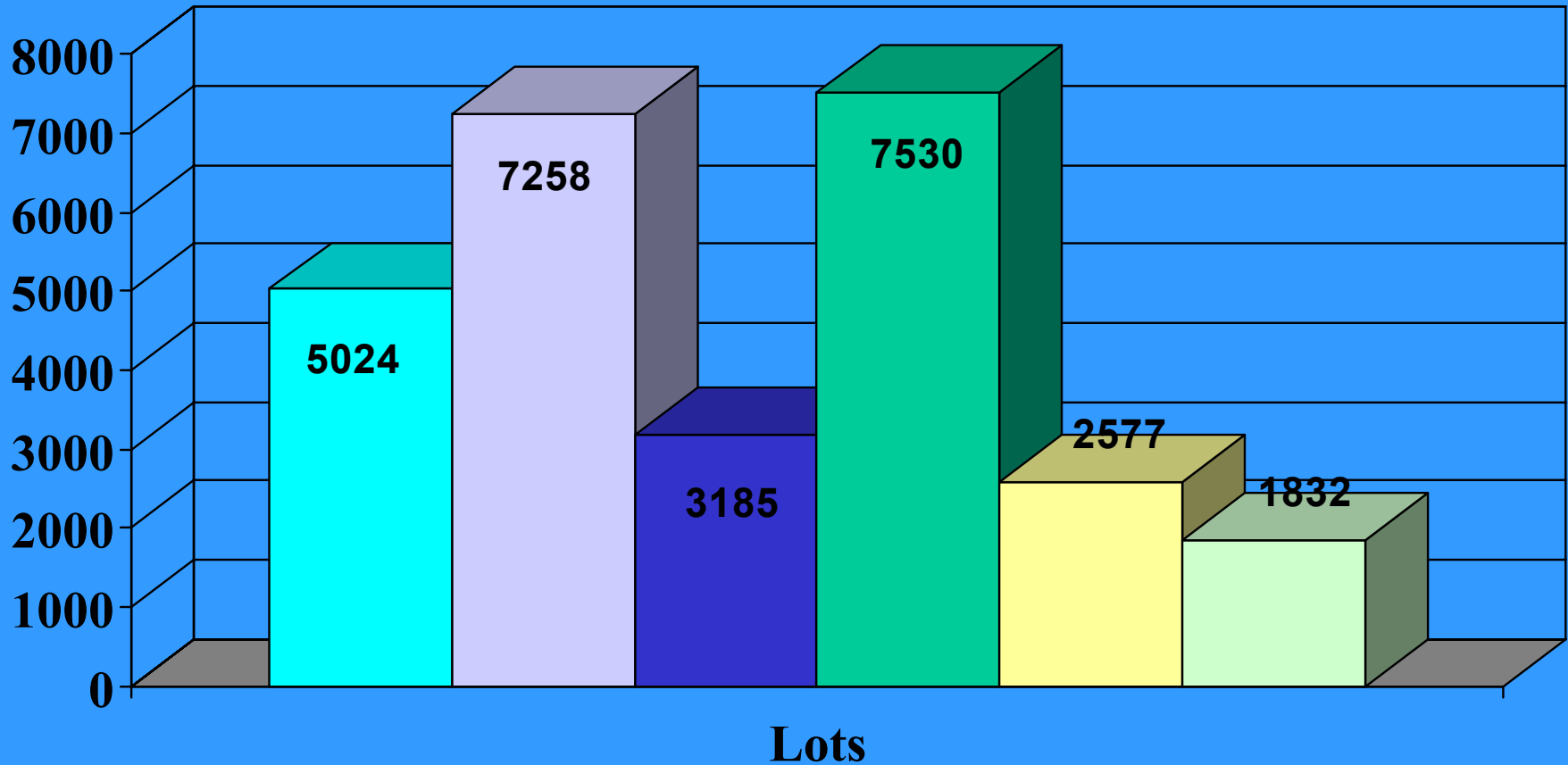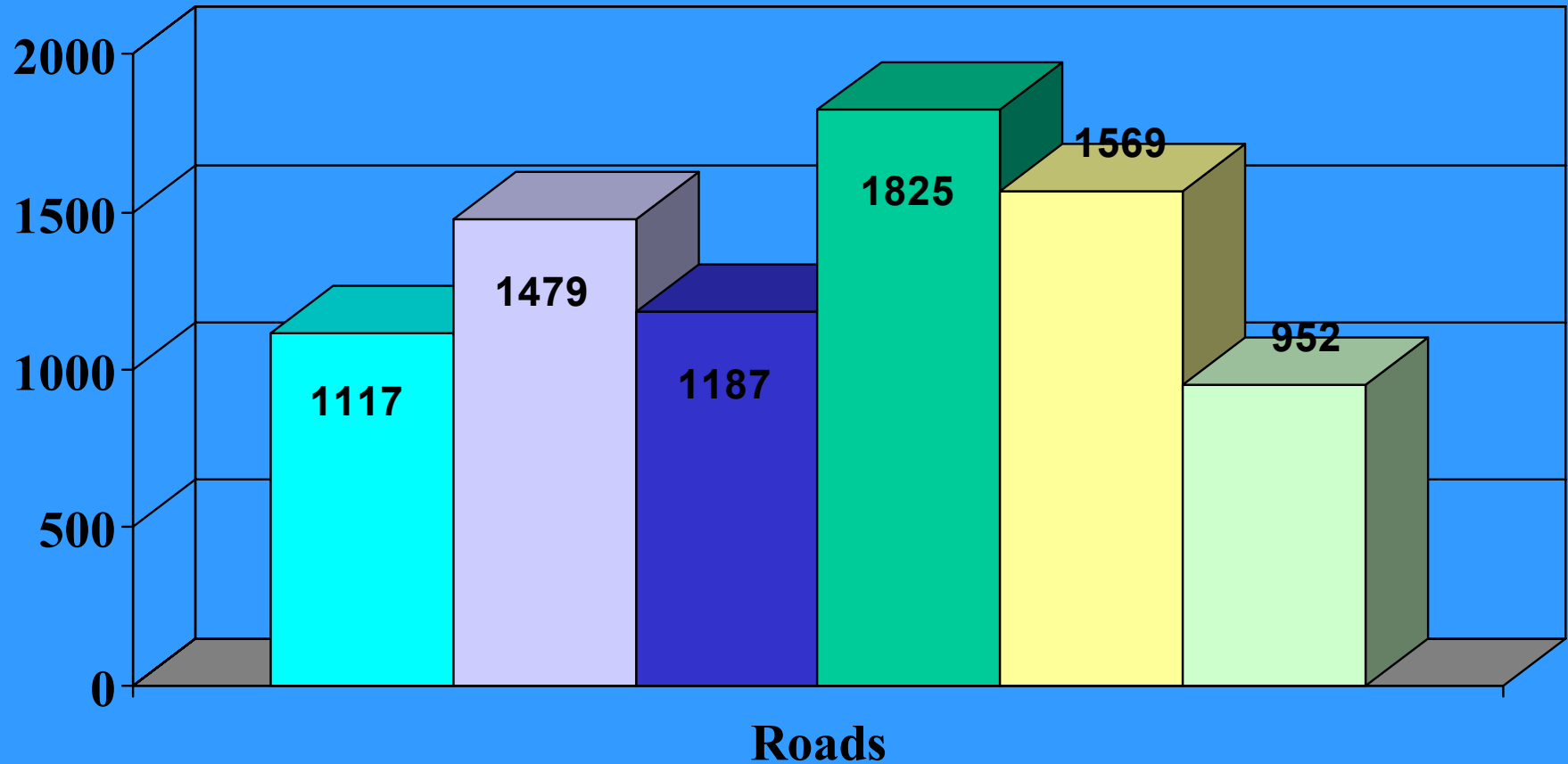
**SanGIS Landbase Additions
FY03 to FY08**

Lots

FY03 · FY04 · FY05 · FY06 · FY07 · FY08

5024 · 7258 · 3185 · 7530 · 2577 · 1832

No records for July-October FY03.
FY08 complete through February.

# SanGIS Landbase Additions
## FY03 to FY08

Parcels

Legend: FY03, FY04, FY05, FY06, FY07, FY08

Values: 12014, 16873, 14676, 22165, 15961, 7158

No records for July-October FY03.
FY08 complete through February.

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# SanGIS Landbase Additions
## FY03 to FY08



**Roads**

Legend: FY03 · FY04 · FY05 · FY06 · FY07 · FY08

Values:
- FY03: 1117
- FY04: 1479
- FY05: 1187
- FY06: 1825
- FY07: 1569
- FY08: 952

No records for July-October FY03.
FY08 complete through February.

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# SanGIS Landbase Additions
## FY03 to FY08



**Subdivisions**

Legend: ■ FY03 ■ FY04 ■ FY05 ■ FY06 ■ FY07 ■ FY08

Values: FY03 = 302, FY04 = 417, FY05 = 270, FY06 = 229, FY07 = 446, FY08 = 261

No records for July-October FY03.
FY08 complete through February.
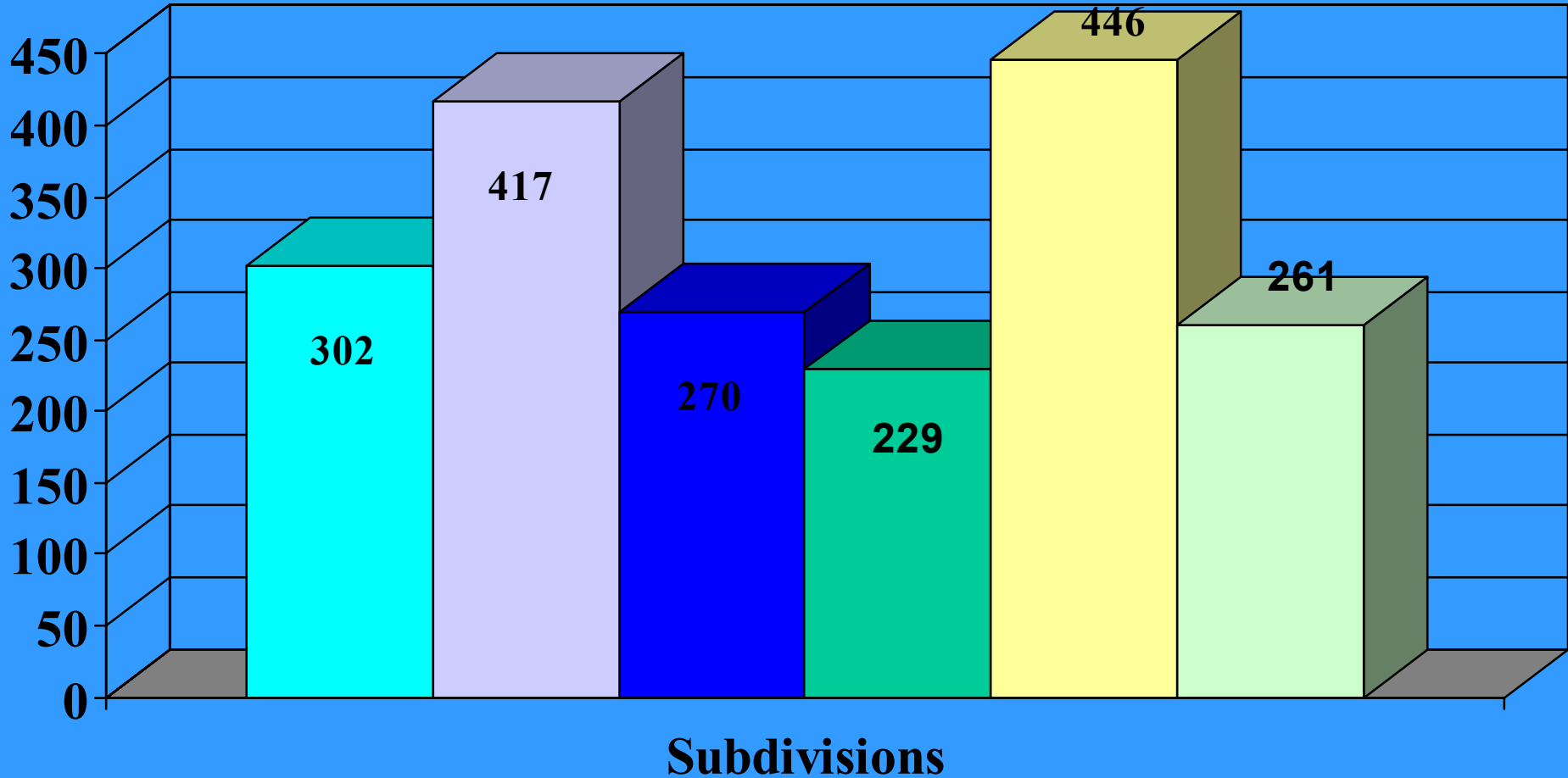
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# SanGIS Landbase Corrections
## FY03 to FY08



**Corrections**

Legend: ☐ FY03  ☐ FY04  ☐ FY05  ☐ FY06  ☐ FY07  ☐ FY08

Values shown: FY03 = 436, FY04 = 397, FY05 = 392, FY06 = 315, FY07 = 326, FY08 = 142

No records for July-October FY03.
FY08 complete through February.
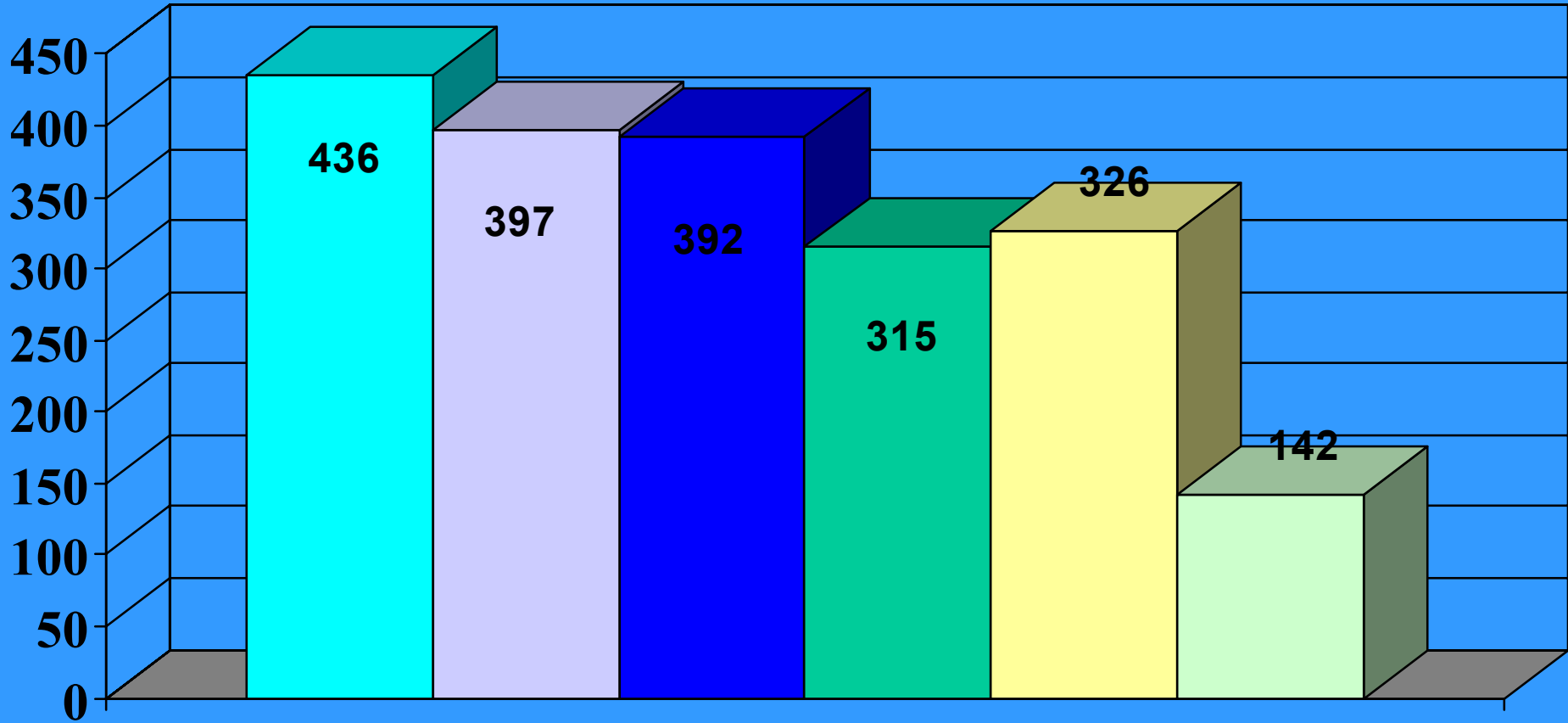
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# Total Maps and Corrections
## FY03 to FY08
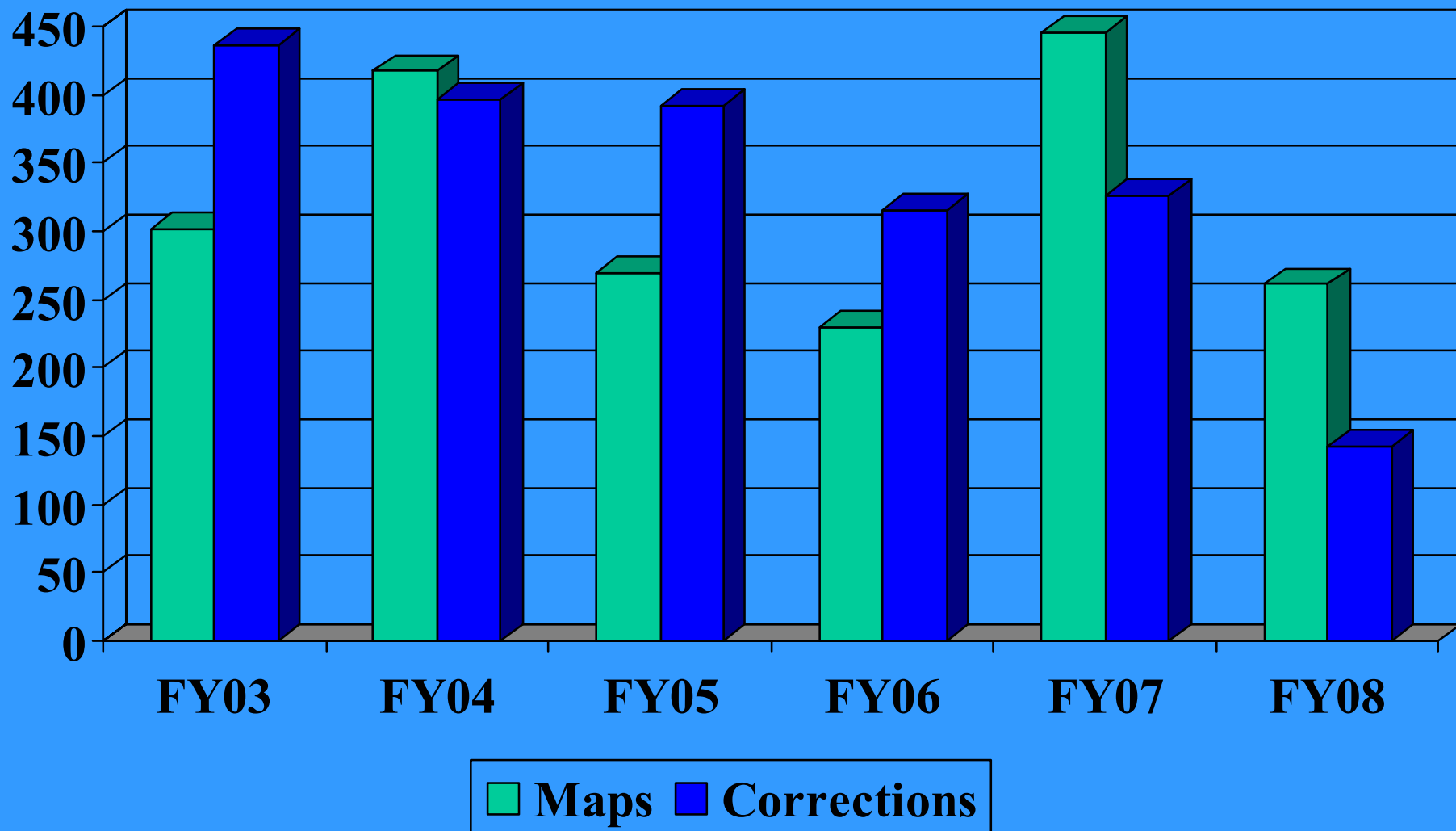


Maps processed remains high but fluctuates
Landbase corrections active and ongoing

No records for July-October FY03.
FY08 complete through February.

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# Parcels Pending Processing ("Backlog")

Summary of the number of regular and condominium parcels that are pending processing by SanGIS. The parcel counts are summarized by Maintenance Area, as depicted below. These parcels will be processed into the production landbase once the final recorded maps are received from the Assessor, which should occur by the end of April. SanGIS anticipates completing these pending parcels during the month of May, leaving June available for additional landbase cleanup in preparation for the next Fiscal Year.
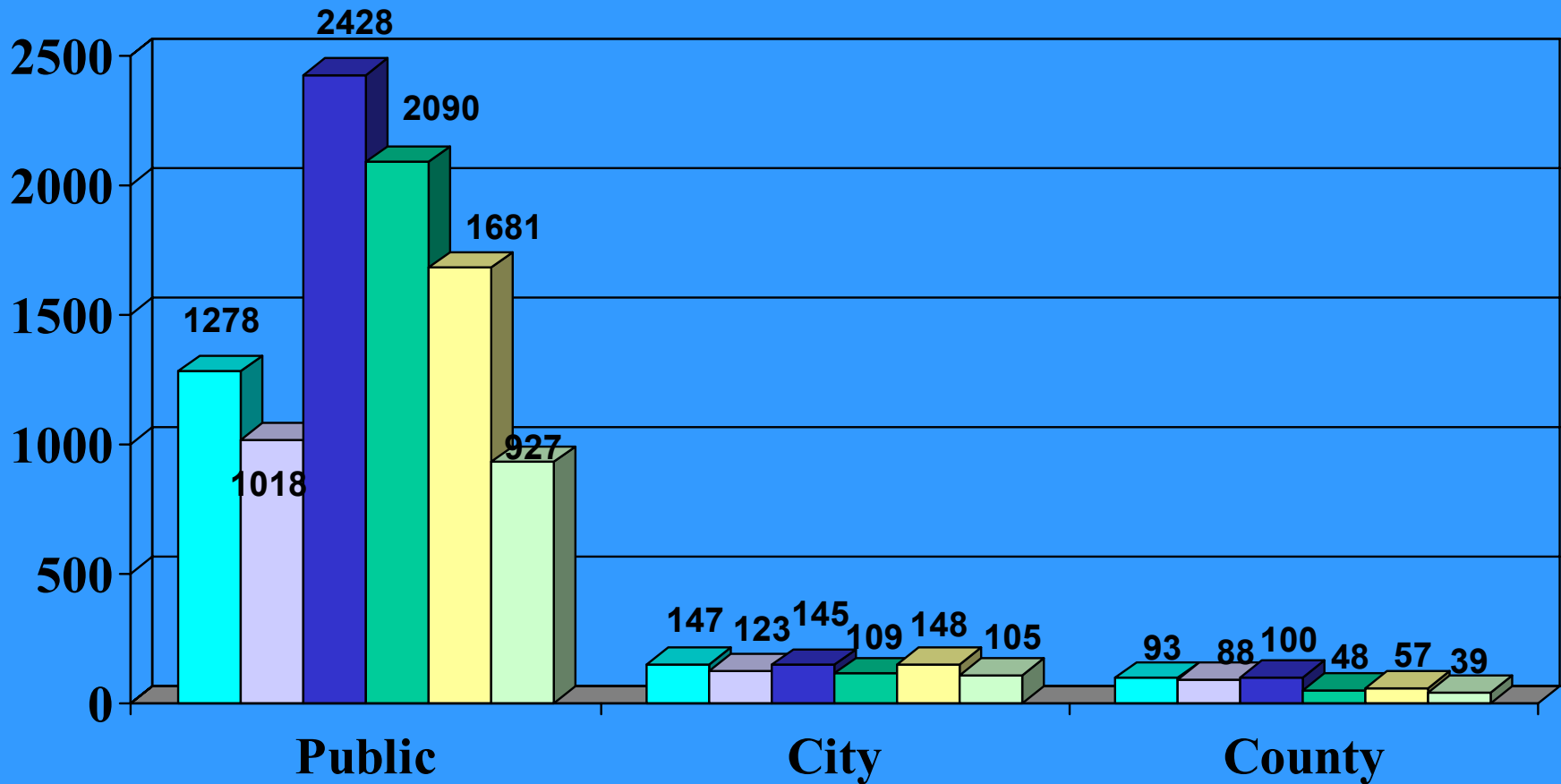
**Parcels Pending Processing ("Backlog")**
**2/11/2008**

| Area | Regular Parcels | Condominiums | Total parcels |
|------|-----------------|--------------|---------------|
| 1 | 33 | | 33 |
| 2 | 11 | | 11 |
| 3 | 4 | | 4 |
| 4 | 110 | 60 | 170 |
| 5 | 32 | 504 | 536 |
| 6 | 144 | | 144 |
| 7 | 18 | | 18 |
| 8 | 4 | | 4 |
| 9 | 158 | | 158 |
| 10 | 24 | | 24 |
| 11 | 14 | 116 | 130 |
| 12 | 2 | | 2 |
| 13 | 10 | | 10 |
| 14 | 2 | | 2 |
| 15 | 4 | | 4 |
| 16 | 38 | | 38 |
| 17 | 67 | | 67 |
| 18 | 25 | 599 | 624 |
| 19 | 11 | | 11 |
| 20 | 4 | | 4 |
| **Totals:** | **715** | **1279** | **1994** |

The above numbers will not zero-out until the Assessor Parcel Maps are completed and closed by the Assessor for the fiscal year, which should occurr in Arpil, allowing SanGIS time to process the above records in May, with the month June available for clean up work.



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# Summary of Landbase Addition Types
# FY03 to FY08
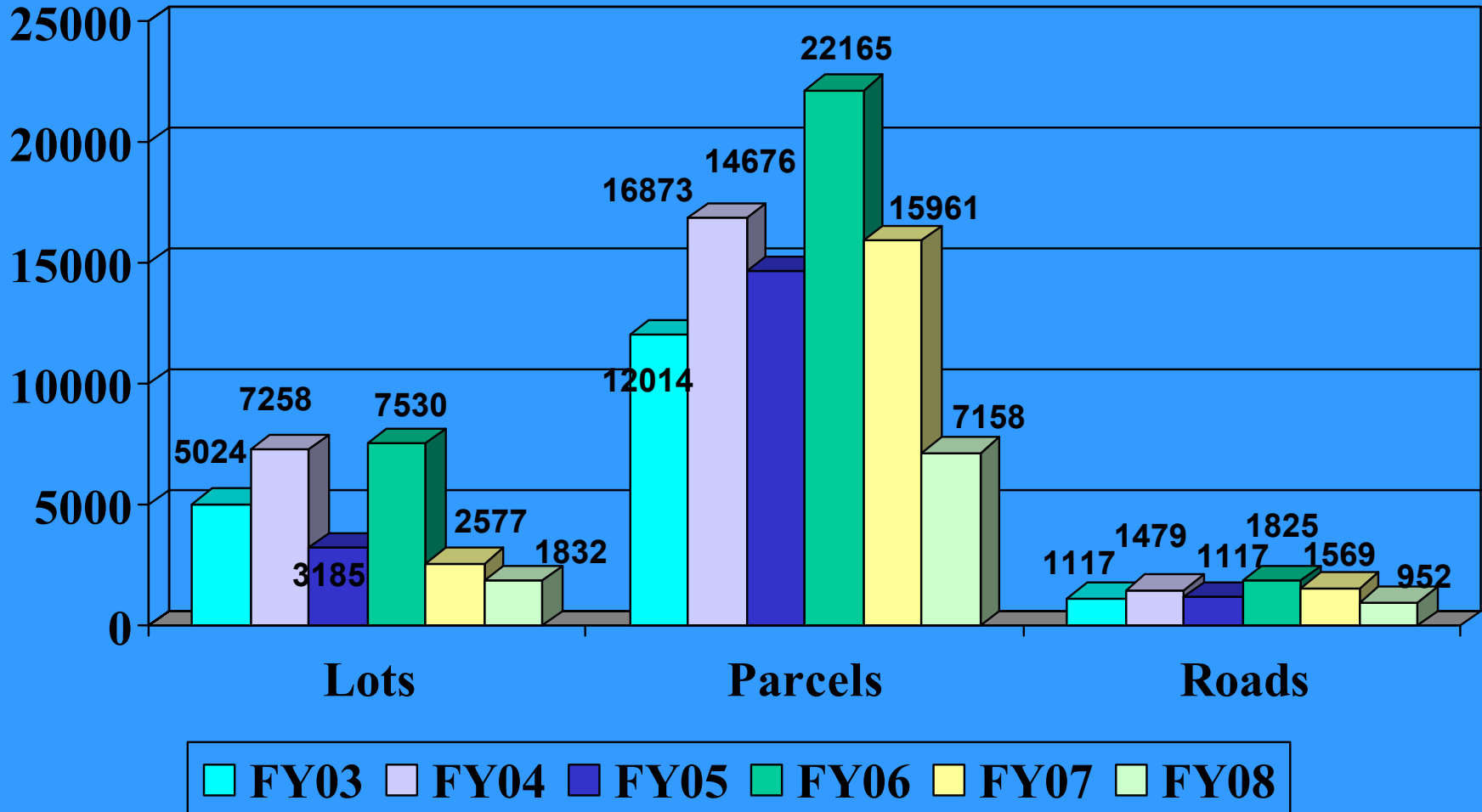
Legend: ■ FY03 ■ FY04 ■ FY05 ■ FY06 ■ FY07 ■ FY08

Lots: 5024, 7258, 3185, 7530, 2577, 1832

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Roads: 1117, 1479, 1117, 1825, 1569, 952

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Data Warehouse
STATISTICS
FY03 to FY08
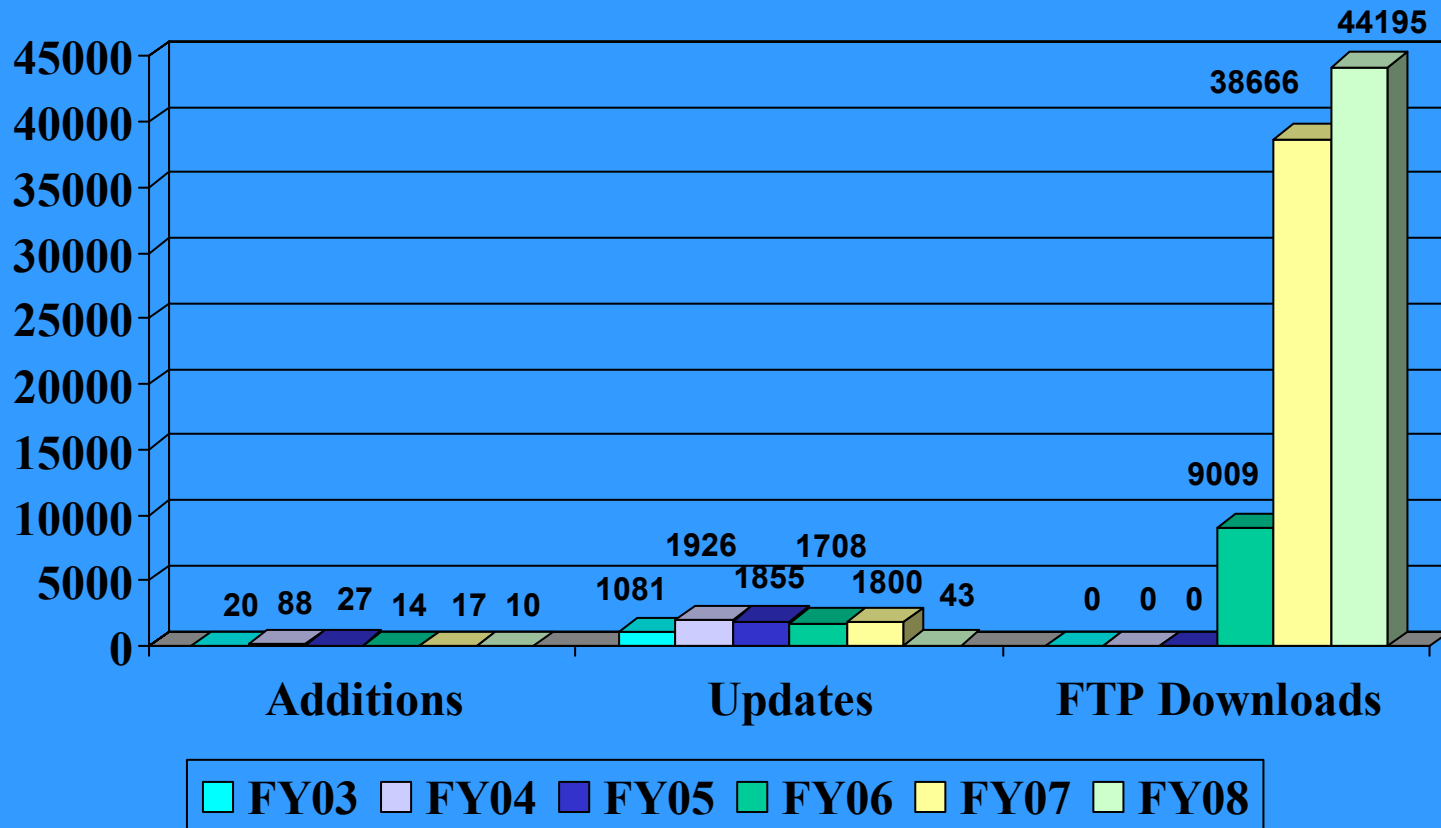
No records for July-October FY03.
FY08 complete through February.

# PROJECTS

- SanGIS Board comparing SanGIS to County's proposal to administer and operate agency

- Actions items for SanGIS-City/County service levels, broader management, moving the public FTP and mapping services, data cleanup, and more

- SanGIS continuing outreach to member agencies to enhance landbase for Public Safety and infrastructure mapping:

    - *Road edit application for SD Fire and County Sheriff for improving 911 dispatch source data*

    - *Lawbeats and MGRF (Census data) registration to Roads for improved 911 dispatch source data*

    - *Coordination with Water to improve landbase annotation*

- Continued outreach throughout the region to obtain timely landbase inputs – *thank you*

- National Hydrography Dataset for San Diego; website updated at www.sangis.org/NHD.htm

- Total of 28 projects in the FY09 budget that will be prioritized for the coming year

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# GIS DATA

- **Download SanGIS Data** for free from 34 Categories, for a total of 217 separate data layers from the SanGIS public FTP site. Refreshed every 3 months, with the landbase (lots, parcels, roads, addresses) being the most frequently updated

- **Data on DVD**, all of the above data on DVD for the current special price of $75, saving time and money

- **Thomas Bros. Page and Grid** layer is available through SanGIS for $100 for Public Safety Agencies

- Thomas Bros. Page and Grid layer is available through SanGIS for any city at a 15%-50% discount off the direct price of $1680:
    - 2-4 Cities      =     $1400 each
    - 5-9 Cites       =     $1200 each
    - 10-14 Cities   =     $1000 each
    - 15+ Cities       =     $840 each

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# Imagery DATA

- **Eagle Aerials** through SanGIS at new, lower prices.:
  - Flown November and December 2007
  - 1' spatial resolution for Western area of county, 1.5' for Eastern area
  - New aerials each year with multi-year licensing
  - Pricing sample:
    - 100 sq.mi. and 10-15 fixed seats
    - With intranet for use by 25 internal users
      - 1 year license   =          $4,200
      - 3 year license   =          $3,600
      - 5 year license   =          $2,900
    - Without intranet for use
      - 1 year license   =          $3,200
      - 3 year license   =          $2,700
      - 5 year license   =          $2,200
  - Please contact SanGIS for specific quote

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# Questions?

*For more information,*
*please contact*

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