



Aquatic Master Plan Task Force Report

NOVEMBER 2017

City of Austin Aquatic Master Plan Task Force Report

Task Force Members:

Jane Rivera, PARB Chair

Rich DePalma, PARB Vice Chair

Dawn Lewis, Task Force Vice Chair

Rick Cofer, Task Force Chair

INTRODUCTION

As directed by Austin City Council Resolution No. 20170817-052, the City of Austin Aquatic Master Plan Task Force consists of four members of the Parks and Recreation Board selected by the Parks and Recreation Board membership. On August 22, 2017, Board Chair Jane Rivera, Board Vice Chair Rich DePalma, Board Member Rick Cofer, and Board Member Dawn Lewis were unanimously appointed by the Parks and Recreation Board to serve on the Task Force. On September 26, 2017, the Task Force unanimously voted Board Member Rick Cofer as Task Force Chair and Board Member Dawn Lewis as Task Force Vice Chair.

The City Council formed the Task Force to:

- 1. Conduct public meetings and solicit additional public feedback on the draft planning tool known as the Draft Aquatic Master Plan (Plan).**

Action Taken by Task Force:

The Task Force held six public meetings at five different locations, which included citizen communication and input and one formal Community Public Input event. The Task Force held public meetings on September 10, 2017, September 19, 2017, September 26, 2017, October 16, 2017, November 14, 2017, and November 29, 2017. Additionally, the Parks and Recreation Department organized a community input event to collect information and feedback regarding the Aquatic Master Plan on October 23, 2017 at the Gus Garcia Recreation Center. All Task Force members attended this event.

Information on meetings held and public feedback collected are attached in Appendix A.

- 2. Review the Draft Aquatic Master Plan with consideration for the existing criteria related to:**
 - Geographic equity and access,
 - Environmental sustainability,
 - Fiscal sustainability,

- Historical and cultural importance,
- Popularity,
- Residential density and future population projections,
- Access to aquatics, and
- Creative funding sources and partnership opportunities.

Action Taken by Task Force:

Information was reviewed and considered.

Additional information reviewed outside of the Draft Aquatic Master Plan is attached in Appendix B.

3. Provide policy guidance on:

- A. How to prioritize investments,
- B. Possible pool closures,
- C. Building new aquatics facilities, and
- D. Recommendations for potential system funding level options for the 2018 Bond.

Action Taken by Task Force:

Policy guidance is provided in the subsequent pages.

The Task Force thanks the professional staff of the City of Austin Parks and Recreation Department, the Aquatic Advisory Board, and the Austin public for the breadth and depth of the work detailed in the Draft Aquatic Master Plan. We support the recommendations made with the modifications noted in our report. Our recommendations are presented to each of the elements in our charge from the City Council.

A. POLICY GUIDANCE ON HOW TO PRIORITIZE INVESTMENTS

Investment, Not Disinvestment, in City of Austin Aquatic System

The Task Force reviewed the proposed Master Plan and the concerns listed therein. The data is clear that decades of inadequate aquatic infrastructure funding and investment led not only to ongoing maintenance problems but also to an inability to carry out regular upgrades, thus leaving the aquatic system in the current crisis situation. At our engagement event focused solely on public input, we heard loud and clear that the public loves their neighborhood and community pools and the public strongly requests that the City of Austin keep those pools open. The public also prefers fewer large Regional Outdoor Aquatic Centers.

We believe that regional, neighborhood, and community pools are an important part of Austin's health and wellness and must be preserved. A robust aquatic system is aligned with the Imagine Austin plan to keep Austin healthy, compact, and connected. Swimming is a lifelong

leisure and wellness activity – one that can be promoted and maintained only through a healthy citywide aquatics system.

We do not consider it appropriate to maintain the status quo—taking pools out of service year after year until the city pool system has fewer, not more, facilities for an ever-growing population. Rather, we believe that every effort should be made to invest in our comprehensive aquatic system through end-of-life replacement for existing pools and adding new facilities to meet the needs of neglected areas of our city.

Why end-of-life replacement instead of continued repairs? A significant investment in a pool may extend the life of an existing pool for a few years, but a full replacement may be necessary to ensure long-term use of a pool. It is frequently more financially responsible to completely replace an existing pool rather than make only some repairs to maintain an existing pool in an inferior condition. Repairs exceeding a certain threshold are characterized as a renovation and require the pool and pool area to be brought up to current code. Meeting current code standards adds cost, but is necessary under Austin ordinance and State law.

Therefore, we recommend the following:

2018 Bond

1. On the November 2018 general election ballot, include a stand-alone bond proposition exclusively for aquatics facilities in the amount of \$124,000,000.
2. The bond proposition should include all end-of-functional life pool replacements for pools listed in years 0 through 5 within the Draft Aquatic Master Plan.
3. The costs for the pool replacements should be the total cost detailed in the Draft Aquatic Master Plan to bring existing pools up to modern, environmentally sustainable, energy and water efficient, ADA, health, and safety standards.
4. Funding identified by staff to add four additional new pools that would provide public swimming opportunities to populations not currently adequately served by a city pool – Colony Park (NE Austin), NW Austin, SE Austin, and SW Austin.
5. Funding needs to be secured, either as M&O or bond, for capital costs associated with maintenance for pools listed in years 6 through 20 within the Aquatics Master Plan.

Table 1 reflects the pools, pool information, and funding recommended in the Draft Aquatic Master Plan and supported by the Task Force. Infrastructure costs are directly from the Draft Aquatic Master Plan and are not inflation-adjusted. Please note that the Parks and Recreation Department expects that the Colony Park pool will cost closer to \$13,000,000 because of infrastructure challenges outside of the pool area.

Table 1. Aquatic Master Plan Projects Years 0-5 and System Expansion Projects

| Facilities | Square Feet of Pool | Total Pool Capacity | 3 Year Avg Attendance | Water Used per 1,000 Gallon Pool Volume | Amount |
|--|---------------------|---------------------|-----------------------|---|-----------------------|
| End-Of-Life Facility Replacement | | | | | |
| Balcones | 4,853 | 324 | 14,858 | 3,873 | \$ 7,423,000 |
| Big Stacy | 4,000 | 217 | 20,861 | 11,046 | \$ 3,250,650 |
| Brentwood | 2,731 | 182 | 12,058 | 8,167 | \$ 3,653,650 |
| Civitan | 3,515 | 160 | 2,833 | 30,097 | \$ 3,705,650 |
| Garrison | 14,485 | 859 | 25,150 | 6,161 | \$ 9,802,000 |
| Gillis | 2,550 | 143 | 4,014 | 21,186 | \$ 3,575,650 |
| Givens | 11,920 | 745 | 14,009 | 22,913 | \$ 5,759,000 |
| Little Stacy | 1,590 | 100 | 3,708 | 8,834 | \$ 3,034,720 |
| Mabel Davis (Natatorium) | 11,717 | 604 | 11,155 | 6,832 | \$ 10,140,000 |
| Martin | 4,880 | 277 | 12,388 | 1,975 | \$ 3,985,150 |
| Montopolis | 4,880 | 277 | 7,705 | 5,933 | \$ 5,258,500 |
| Northwest | 15,642 | 975 | 36,643 | 3,555 | \$ 8,684,000 |
| Walnut Creek | 14,951 | 626 | 14,977 | 6,119 | \$ 5,440,500 |
| | | | | | \$ 73,712,470 |
| System Expansion | | | | | |
| Central Aquatic Maintenance Facility | | | | | \$ 2,600,000 |
| Colony Park | | | | | \$ 13,000,000 |
| NW Austin to replace Canyon Vista | | | | | \$ 5,000,000 |
| Southeast Austin | | | | | \$ 5,000,000 |
| Southwest Austin | | | | | \$ 5,000,000 |
| Funding for Land Acquisition and Civil Engineering to Implement Expansion | | | | | \$ 20,000,000 |
| | | | | | \$ 50,600,000 |
| | | | | | |
| Grand Total | | | | | \$ 124,312,470 |

Public Private Partnerships

6. A Request for Information (RFI) and subsequent Request for Proposals (RFP) to be released for a public-private partnership in the creation of a premier indoor aquatic center on city-owned property as identified by the City Manager's office.

Future Maintenance and Operations Funding

7. Additionally, in the event maintenance and operations savings resulting from the renovated pools do not entirely offset the expense of the additional new pools, we recommend that the Parks and Recreation Department annual operating budget be increased by the amount needed to maintain each new pool plus all the existing pools as

each pool is opened to the public. Further, expanded pool hours require new funds for additional staff and operating expenses.

Public Process on Any Future Decommissioning

8. Finally, we recommend that no individual pool ever be decommissioned without an affirmative vote of the Austin City Council. If in the future, if it is ever impossible to repair or renovate an existing facility and permanent closure appears to staff to be the only solution, then staff must present the City Council with a request to hear the pool conditions and public input. Council will then make a decision either to close the pool or will identify and allocate additional funds to keep the pool open.

Additional Rationale

- Modernizing the City of Austin Aquatics System will eliminate emergency closures and pool replacements that came up over the past decade.
- The modernization will reduce maintenance and operations costs while resolving the substantial facility condition issues resulting from long standing unmet maintenance and operational needs of our pools.
- The maintenance savings should be used for operating the new pools.
- A city natatorium is requested by staff to enable staff to train lifeguards year-round so that many pools can be kept open either for extended months of operation or year-round. In fact, Aquatics Division staff note that the natatorium is a pre-condition for any extension of pool hours within the system. Such a facility would be indoor, climate-controlled, include public access, and open year-round. The facility could include outdoor swimming as well.
- To serve the entire system of pools, a centrally located pool maintenance facility is needed to house standard frequently needed parts and supplies, and where maintenance staff has planning and workspace.
- It will take a comprehensive aquatics bond to win enough support from City of Austin voters and therefore new pools included in years 6-10 are brought forward to gain the support citywide.

B. POLICY GUIDANCE ON EXISTING CRITERIA FOR POOL RANKING

We, the Task Force, as well as members of the public who attended our public input session discussed possible new criteria. We support inclusion of existing criteria:

1. Demographics, including current use, residential density—including future population;
2. Site Conditions, including any local impediments to improving some part of the pool;
3. Location, including distance from any other aquatic facility;
4. Accessibility, including anything that prohibits improving accessibility;
5. Infrastructure, such as the type and age of the pump and the filtering device;
6. Environmental, particularly sustainability;

7. Regulatory, such as zoning and ADA requirements; and
8. Operations, the cost and difficulty of maintaining the pool.

These factors added together result in the Site Suitability Rating Score. This score has been applied to every aquatic facility in the city system, and those with the lowest overall score would be, all other things being equal, those expected to have the lowest chance of continued operation should the facility reach the end of operational life.

We also recommend adding historical and cultural factors as additional criteria for the site suitability score. Staff are adding a new chapter on historic and cultural significance to the Draft Aquatic Master Plan. Additional discussions were held regarding protecting pools originally built to segregate City of Austin residents. It was noted that these pools, although originally created under a discriminatory municipal plan and policies, also reinforced a sense of community and ownership.

Staff recommends the following pools be considered of unique historic and cultural importance:

- Barton Springs
- Deep Eddy
- Big Stacy
- Rosewood
- Parque Zaragosa

Every effort should be made to keep the above pools operational, based on historical and cultural importance and the Task Force concurs. The Site Suitability Index should include historic and cultural factors considered at a higher priority when a pool facility is at point of replacement or decommissioning.

The Task Force recommends that patterns of use and population projections should be reviewed biennially to ensure that planning maintains pace with Austin's rapidly expanding and moving population. Even when Parks and Recreation Department is not actively designing a pool facility, the City should gather data regularly so that that data is available when needed.

C. POLICY GUIDANCE ON ACCESS FOR RESIDENTS WHO DO NOT HAVE ACCESS

The Task Force agrees that current data indicate the most need for new regional pools exists in the following general areas.

- Colony Park (Northeast Austin)
- Northwest Austin
- Southeast Austin
- Southwest Austin

As Austin continues to grow and expand outwards, additional geographically underserved areas may arise, and at some time in the future, the plan may need to be amended to include additional new regional pools. A new maintenance facility in Far East, Southeast, or Northeast, may be required to increase efficiency as traffic grows with the city's population.

If any future consolidation or moving of a regional pool is being considered, accessibility must be considered. (As an example, children close to the St. Johns Pool were expected to transfer to the new Bartholomew Pool, but that would require them to cross 51st Street with no protected crossway, so the effect of the closing of St. Johns was that these children have no pool.)

D. POLICY GUIDANCE ON CREATIVE FUNDING SOURCES

Three items the Task Force discussed would increase pool funding and help offset costs.

- 1. Since the public pools clearly serve a public interest (providing exercise and cooling during hot summer months), we recommend that Austin Energy & Austin Water grant "at cost" rates for water and electricity used to run the public pools. Parks and Recreation Department currently pays full rate for utilities at all facilities, and this reduction could result in positive savings for pool expenses that could be diverted to maintenance. New facilities should also include solar panels to reduce electricity use. This will be particularly helpful with the natatorium.*
- 2. Rather than automatically turning over all fees for pool usage to the city's General Fund, return all fees for pool usage to the Park and Recreation Department Aquatics capital improvement fund or for use on pool maintenance or operations. Directing pool fees to the Park and Recreation Department should not be in lieu of any existing funding or future allocation to the Park and Recreation Department.*
- 3. Austinites generally appear willing to pay individual fees for an expanded swim season and for early and late hours at existing pools.*

Through the Task Force's public engagement session, and those held during the planning and preparation of the Aquatics Master Plan, some members of the public often said they would prefer to pay a small fee to swim in a public pool than to lose the pools. Others want to keep public pool use free. We clearly heard that Austinites want public pools where their children can learn to swim, and all ages can swim together, rather than swim parks. And although most would prefer to pay a small fee than to lose pools altogether, we believe that the bond is a better idea, and we further believe there is support for a special aquatics bond to keep the neighborhood and community pools running, as well as to expand the number of regional pools.

E. POLICY GUIDANCE ON OPPORTUNITIES FOR PARTNERSHIPS

We the Task Force also support the development of an indoor natatorium to be jointly funded by and shared with some partner(s) such as Dell/Seton Hospital, the University of Texas, Austin Independent School District, or even some private partner(s). Additional City of Austin departments that may share a need for water safety instruction include Austin Police, Emergency Medical Services, and Fire, all of which might be partners. This pool would be open to the public those hours when it is not in use for lifeguard and water safety instruction or the public uses required by the public partner(s).

Finally, we also discussed such funding sources as working with companies or entities that may be interested in helping to build a new pool in an underserved area in exchange for naming rights. We hope this would not result in naming of facilities by brand names, but rather by names of foundations and/or key individuals in such organizations.

APPENDICES

Appendix A1

Public Feedback

Aquatic Master Plan Task Force Meetings

The Task Force held six (6) public meetings and one (1) formal public input event.

Meeting Dates:

- September 10, 2017
- September 19, 2017
- September 26, 2017
- October 16, 2017
- October 23, 2017 (Community Input Event)
- November 14, 2017
- November 29, 2017

Aquatic Master Plan Task Force

Community Meeting

Monday, October 23, 2017, 6:30-8:00 PM

Gus Garcia Recreation Center

1201 E Rundberg Ln, Austin, TX 78753

53 Attendees (signed-in)

Equity

- I am very opposed to creating pools with water slides and other fancy amenities at the expense of neighborhood pools
- I do not care what the national trends are. Austin needs to be livable by having pools in neighborhoods.
- Prioritizing pools on periphery of city will increase traffic and reduce accessibility of pools to all
- We can solve the tree limb problem at Little Stacy
- Please keep spaces for small children like Little Stacy
- Spend money on free pools in all areas than on weight rooms at some pools. Swimming to cool off and learning to swim and exercise are more important
- Provide safe swimming for
 - Swimming lessons
 - Exercise
 - Cooling off
- As long as we have free city pools, they provide a simple baseline of swimming opportunities. Let Schlitterbahn, etc. provide the fancy slides etc.
- Little Stacy is perfect as is, please keep it for the children.
- Little Stacy is (?) to community in South and East Austin
- Little Stacy is where children from different schools make friends
- Northwest is my neighborhood pool and I support it.

Site Suitability

- Please review the raw data for Ramsey and Reed. I don't believe the #s can be exactly identical all the way down.
- Ramsey Pool- we're marked down for accessibility- but most people walk, there is not much parking needed
- I was told the demographics looks at the per household income of residences that might use the relevant pool. I don't think it's fair to penalize neighborhoods for having income. We pay taxes too.
- When counting attendance, making clear seasonal and shorter hours vs. year-round facilities.
- Identify year-round pools

Sustainability

- Why we love Stacy: outdoor, early morning (?) high sun, min. lap 33M ok, not heavily chlorinated air (not indoor), year-round
- Need outdoor shaded year-round pools, 1 per large areas with lap availability min 33 m, 50m better
- More pools open year round that offer decent lap swimming
- Stacy being cost free helps our artists and musicians
- Pools open only 10 weeks out of 52 don't count
- Stacy built by WPA in 1936, historic pool
- Stacy only free heated pool in Austin
- Why do we have PARD employees sitting around rec centers and no children are present
- Little Stacy is a historic pool- a little oasis for tiny people- unique! We are the 3rd generation in our family to swim in and love Little Stacy
- Please save little Stacy- not every pool needs to be a McMansion
- Historic, spring-fed pools like B. Springs, Big Stacy and Deep Eddy ought to be afforded a priority.
- Drive in from onion creek to swim at Stacy 5 days a week
- Honestly I think we have a lot of fun and we just love our austin pools
- We value the diversity of our local pool- Northwest Park and the accessibility. It brings our community together.
- FUN
- Concerned for long-term commitment to providing year round lap swimming options- early morning
- Lap pool= at least 25 meters not 25 feet
- Other factors to consider for ranking, length/use of pool (lap swimming harder to find over wading), accessible year round, accessible early morning hours (6 am), accessible by bus, spring fed, historic interest
- Why do we need an indoor facility? What percentage of population will it serve? What will have to be cut to make it?
- Stacy is thermal heated
- Please add to ranking system- 1. Historic 2. Ability to be open year round 3. Non-chlorinated 4. Length (at least 30m), bus route from downtown (cultural tourist attraction)
- I've been swimming for 40 years, hope to swim 40 more. Right now I can walk to Big Stacy/Deep Eddy. Do you want me behind the wheel at age 80 and drive further away?
- Premier Indoor Aquatic Center should be lowest priority or not even considered. We currently don't need this
- I agree

Funding

- Big Stacy and Deep Eddy
 - Historic- Big Stacy built by CCC, Deep Eddy oldest in State
 - Lap lanes for la swimmers
 - A large regular group of swimmer go there very often and for many years
- Keep older swimmers healthy

- Gives kids in neighborhood a chance to learn to swim
- Draws swimmers from all socio-economic groups (no fee)
- Year round (Big Stacy is heated thermally, Deep Eddy constant temp.)
- Northwest Park- historic, diverse
- Serves variety of needs- swim teams, lessons, families, fitness, recreation
- Deep Eddy- fun, kid friendly, AWESOME!
- Mabel Davis Pool- High density of low income apartments with no other opportunities for recreation during hot summer months
- Thanks for not closing Stacy Pool. It is my therapy. The only suggestion I have is on fun pools such as tall waterslides/climbing wall, lazy river, etc is a small fee to ensure salary for lifeguards to protect the lives of our children
- Consider charging realtor fees for profits they make by advertising “near a pool and park” in areas already developed.
- Maybe a 501c3 for realtors can contribute to where they can deduct from federal taxes.
- Keep no fees for neighborhood pools
- Keep Big Stacy open
- Bond should be more substantial for aquatics (pools)
- Aquatic specific bond
- Keep Little Stacy open “think of the children.”

Appendix B1

Aquatic Facilities Tour

AQUATIC FACILITIES VIRTUAL TOUR

Aquatic Master Plan Task Force

September 19, 2017

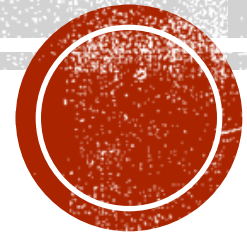
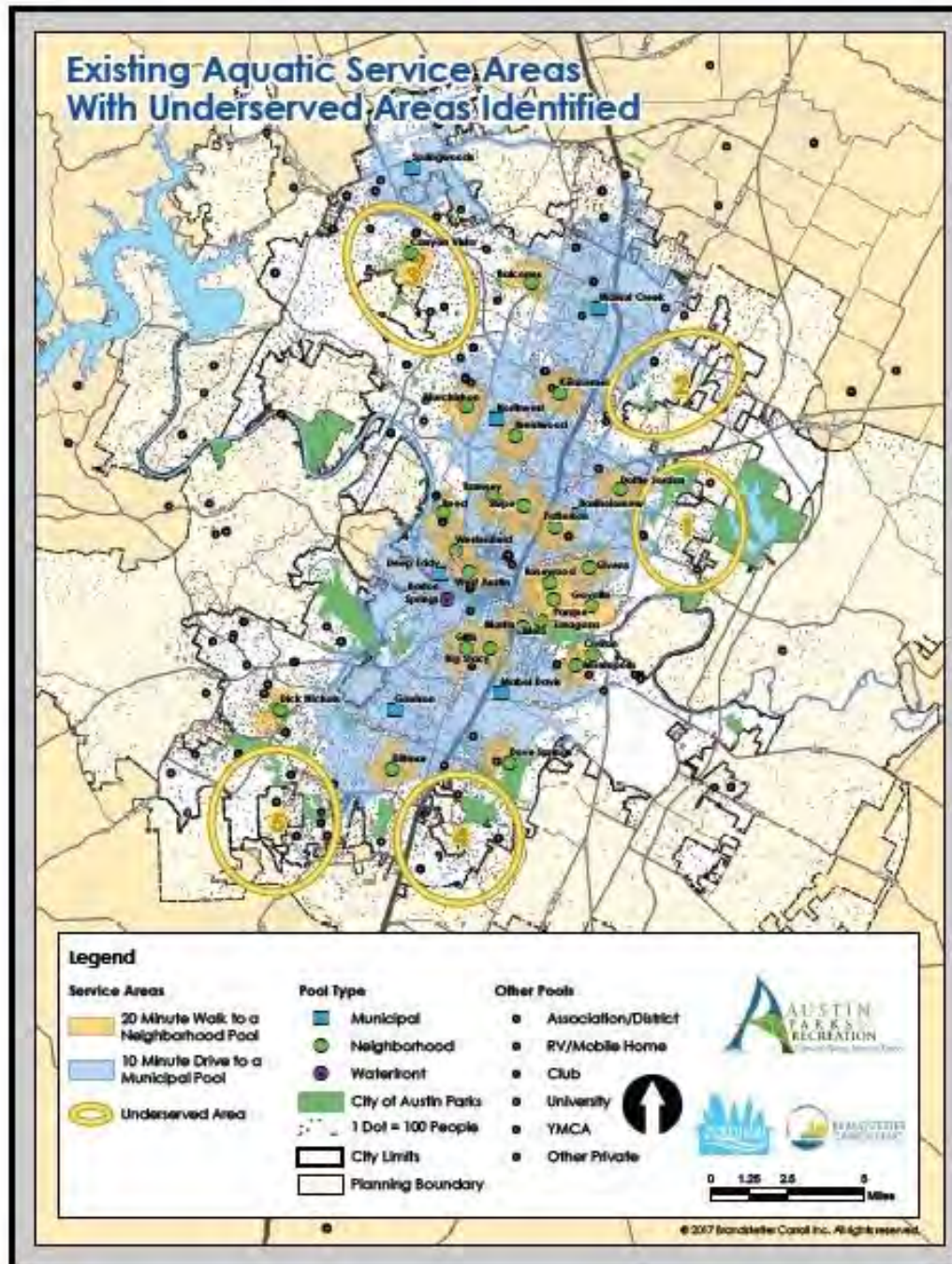
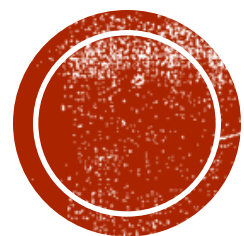


Figure 2.13: Existing Aquatic Service Areas with Underserved Areas





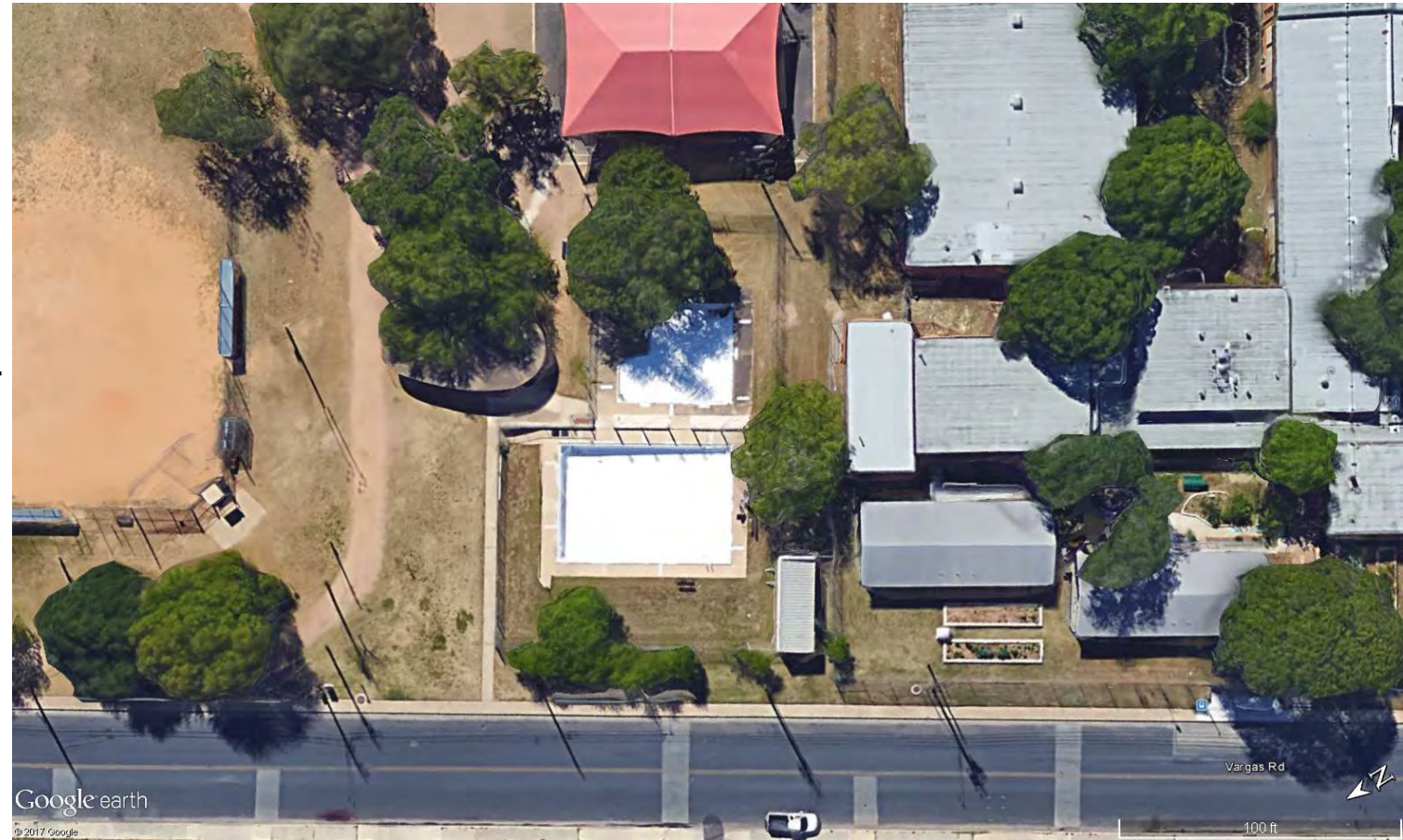
CRITICAL POOLS



CIVITAN POOL

- **Year Built/Renovated:** 1964
- **Volume:** 72,000 gal
- **Current Classification:** Neighborhood
- **City Council District:** District 3
- **Facility Address:** 513 Vargas Rd.
- **Recommendations:**

Appendix E pg # E-58





SITE





POOL/DECK





RESTROOM





PUMP ROOM



GILLIS POOL

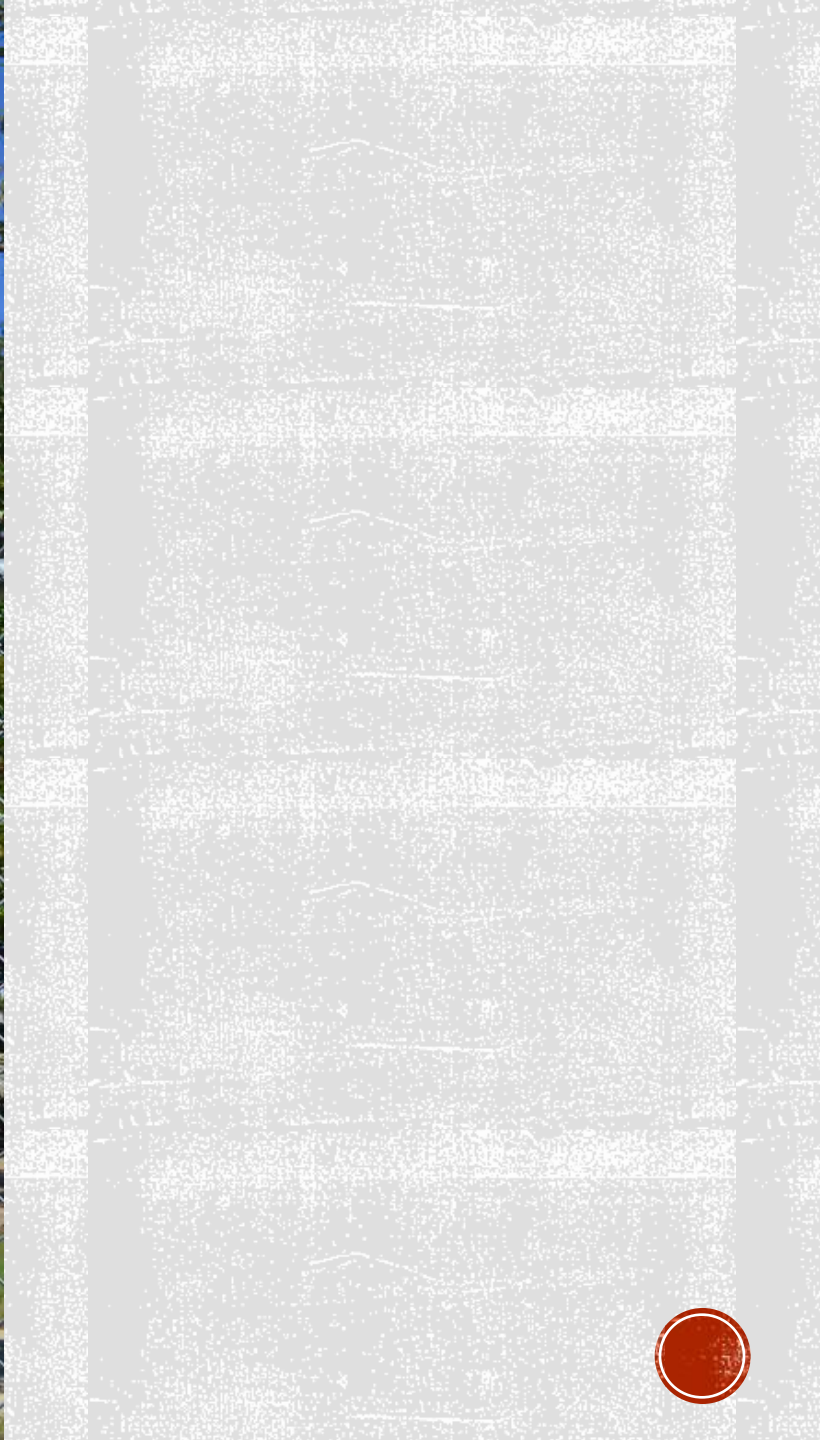
- **Year Built/Renovated:** 1954 / 1979
- **Volume:** 144,340 gal
- **Current Classification:** Neighborhood
- **City Council District:** District 3
- **Facility Address:** 2504 Durwood St.
- **Recommendations:**

Appendix E pg # E--64





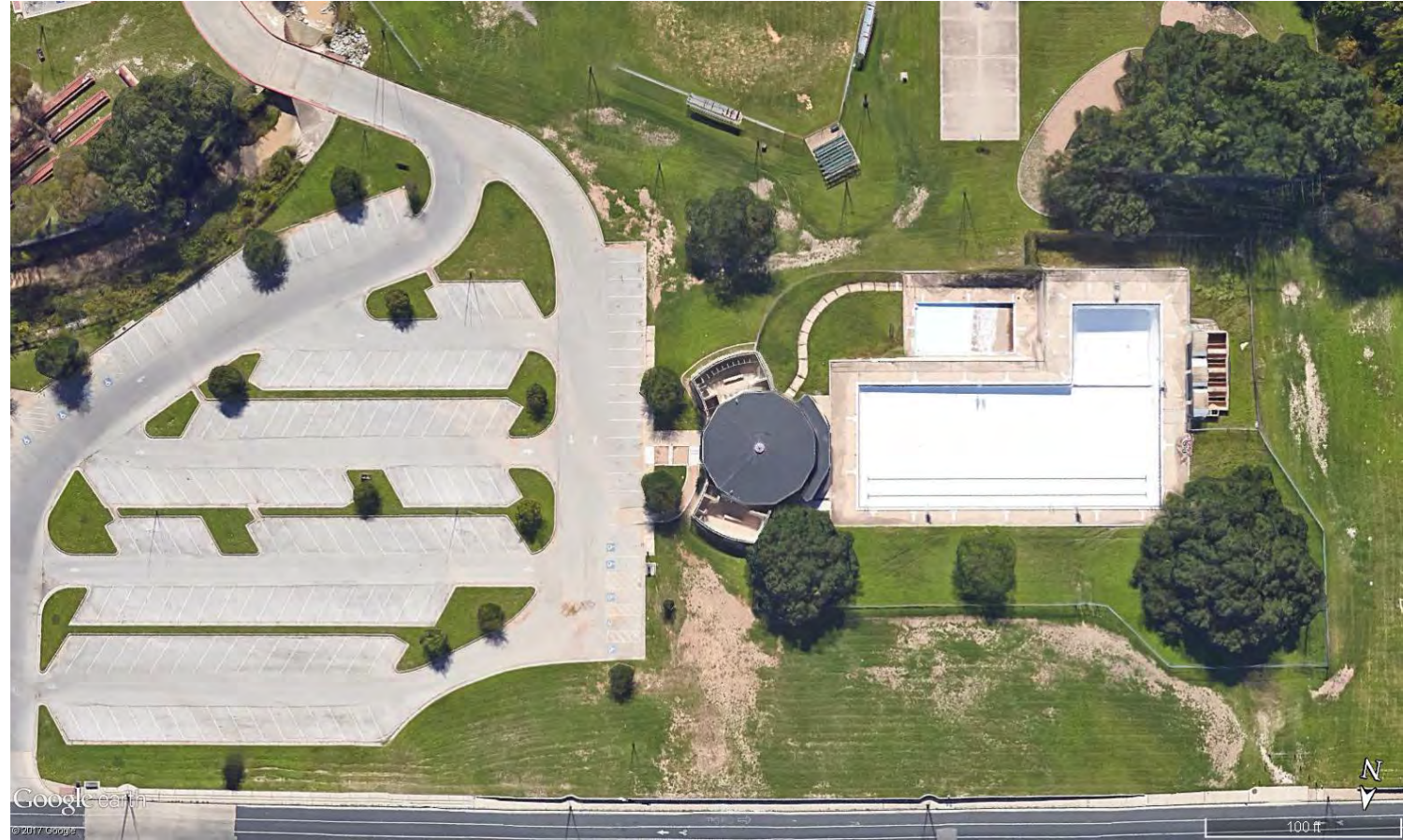




GIVENS POOL

- **Year Built/Renovated:** 1958
- **Volume:** 464,450 gal
- **Current Classification:** Neighborhood
- **City Council District:** District 1
- **Facility Address:** 3811 E. 12th St.
- **Recommendations:**

Appendix E pg # E-32





SITE





POOL/DECK



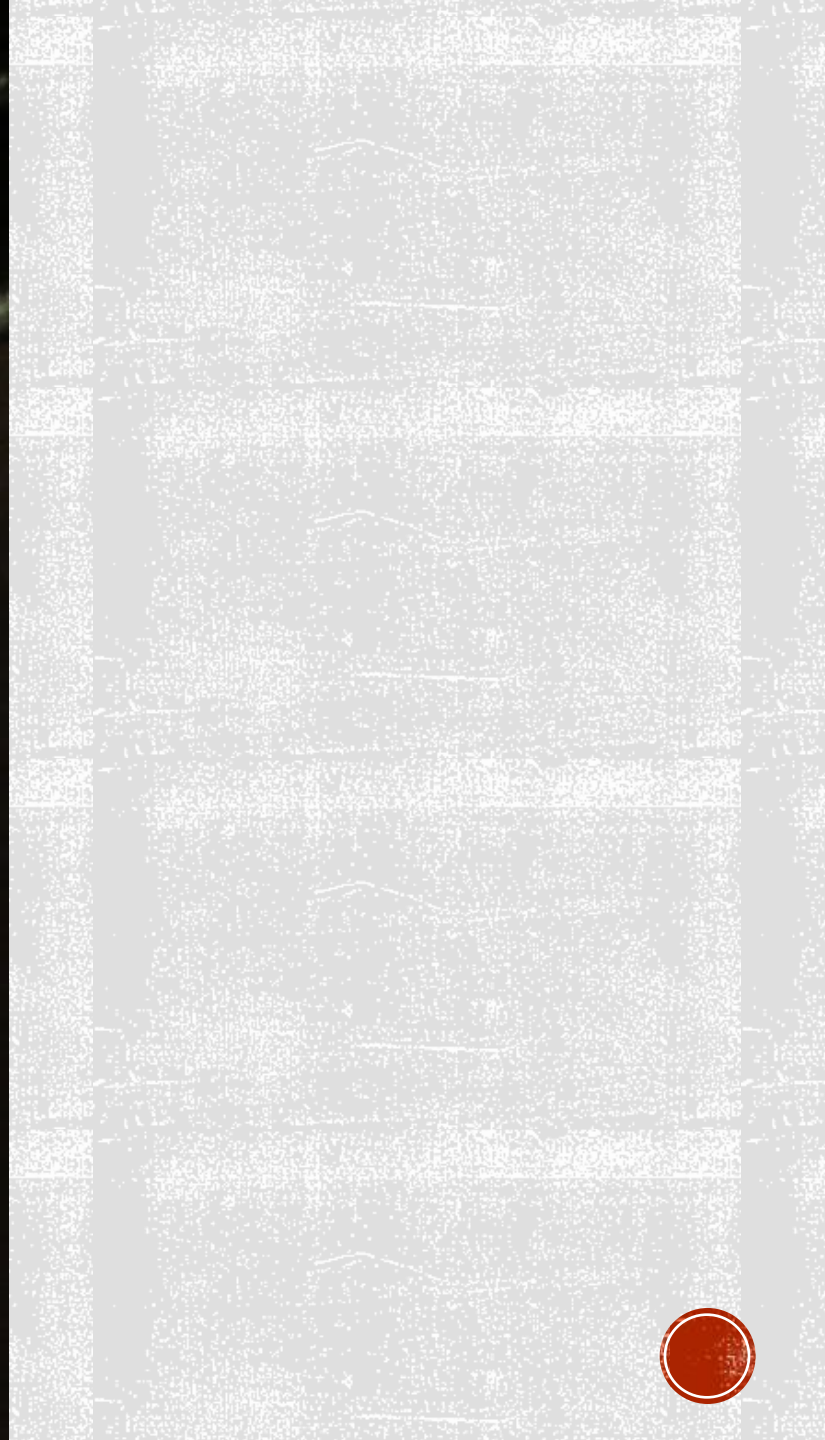




POOL SHELL LEAK

Northwest wall of the pool







INSIDE THE PUMP ROOM

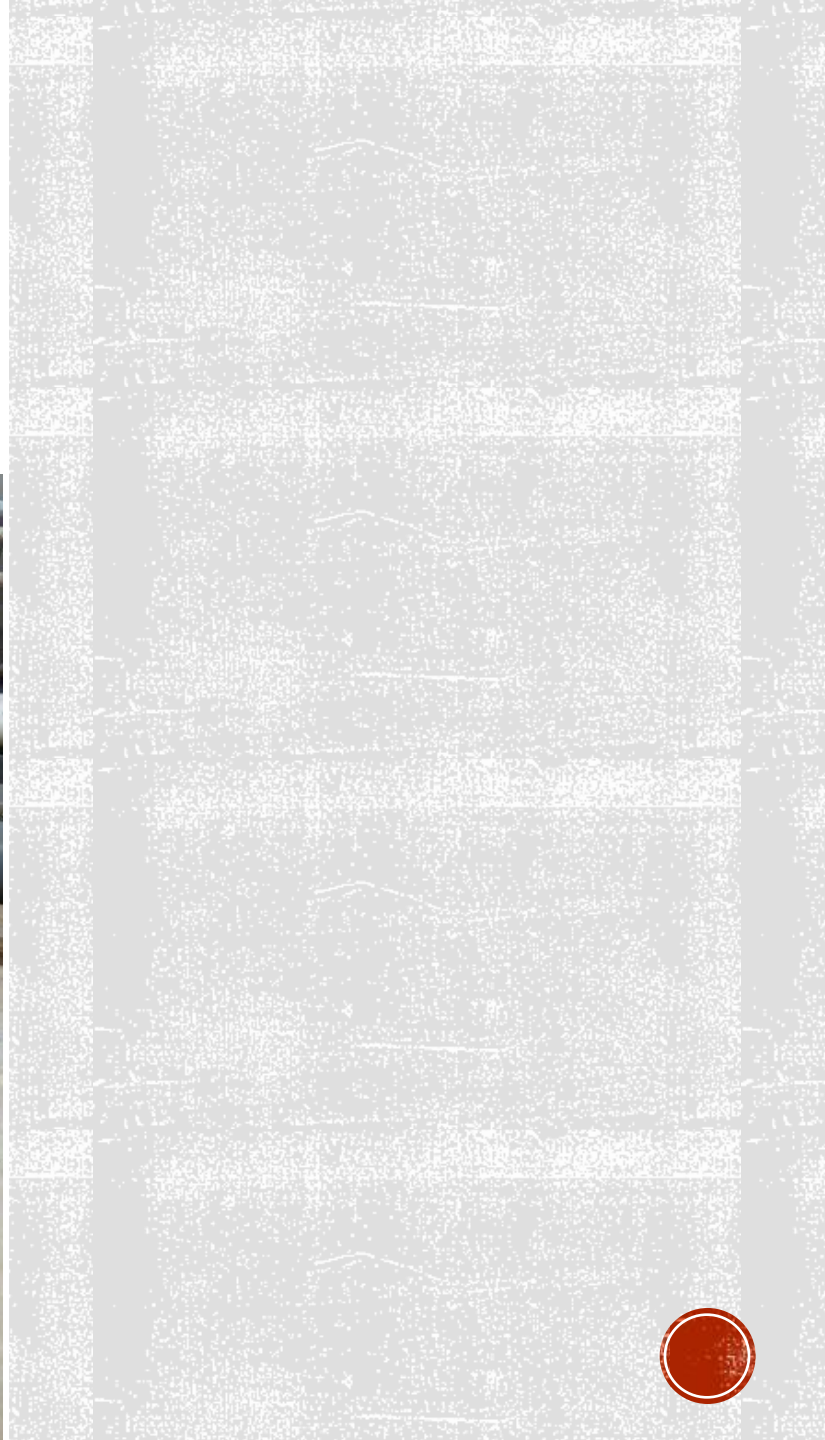






PUMP ROOM







RESTROOM

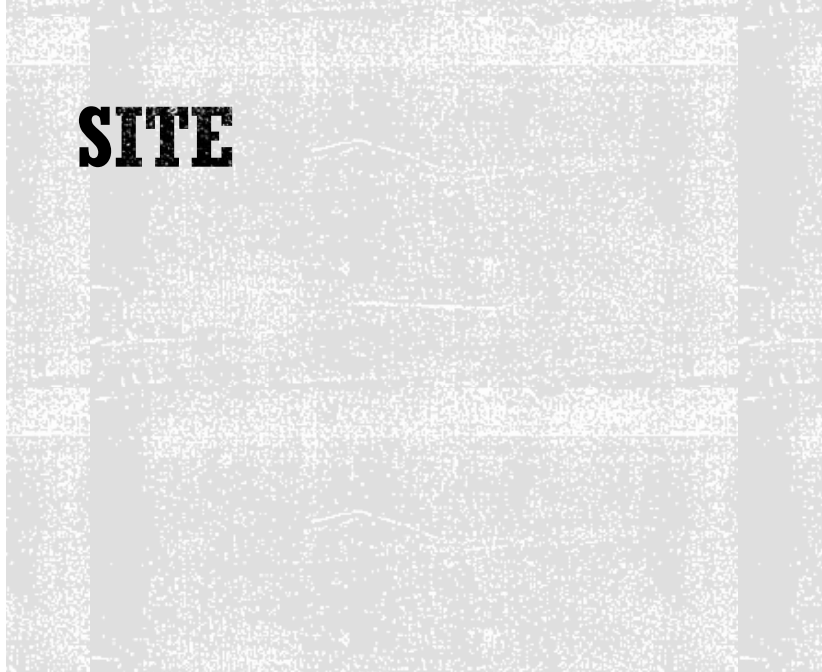


GOVALLE POOL

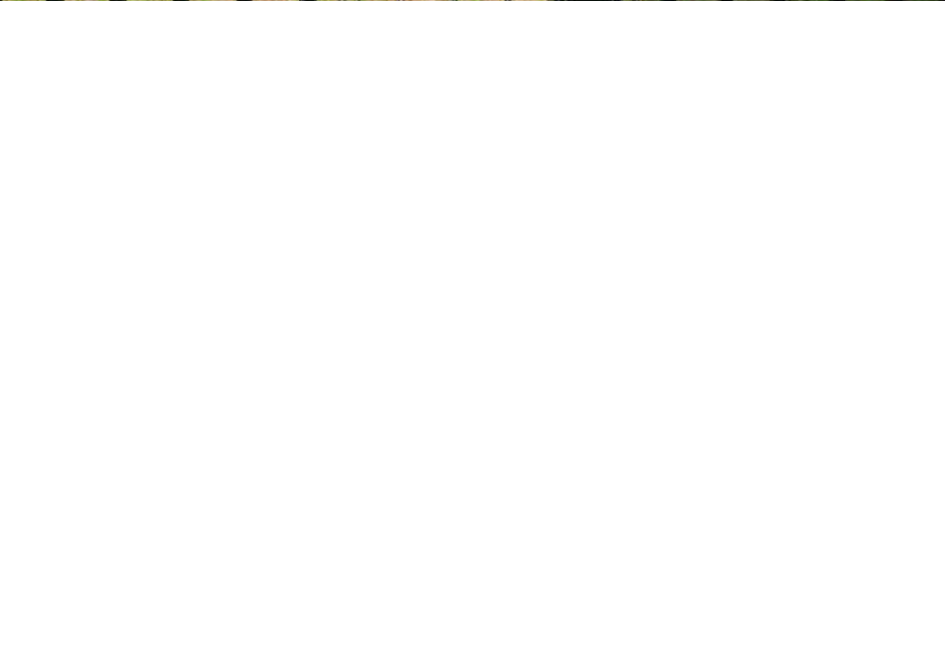
- **Year Built/Renovated:**
1954 / 1986 / In Progress
- **Volume:** 72,000 gal
- **Current Classification:** Neighborhood
- **City Council District:** District 3
- **Facility Address:** 5200 Bolm Rd.
- **Recommendations:**

Appendix E pg # E-46





SITE





POOL/DECK





PUMP ROOM



MONTOPOLIS POOL

- **Year Built/Renovated:** 1978
- **Volume:** 203,000 gal
- **Current Classification:** Neighborhood
- **City Council District:** District 3
- **Facility Address:** 1200 Montopolis Dr.
- **Recommendations:**

Appendix E pg # E-35





SITE





POOL/DECK





RESTROOM





PUMP ROOM



NORTHWEST POOL

- **Year Built/Renovated:** 1956
- **Volume:** 578,945 gal
- **Current Classification:** Municipal
- **City Council District:** District 7
- **Facility Address:** 7000 Ardath St.
- **Recommendations:** Appendix E pg # E-13





SITE





POOL/DECK





RESTROOMS





PUMP ROOM





PUMP ROOM



SHIPE POOL

- **Year Built/Renovated:** 1934
- **Volume:** 159,025
- **Current Classification:** Neighborhood
- **City Council District:** District 9
- **Facility Address:** 4400 Avenue G.
- **Recommendations:**

Appendix E pg # E-46

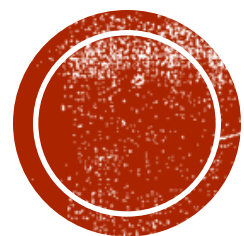


SHIPE WADING POOL

- **Year Built/Renovated:** 1934 / 1997
- **Volume:**
- **Current Classification:** Wading Pool
- **City Council District:** District 9
- **Facility Address:** 4400 Avenue G.
- **Recommendations:**

Appendix E pg # E-46





RENOVATED POOLS



BARTHOLOMEW POOL

- **Year Built/Renovated:** 1961 / 2013
- **Volume:** 231,071 gal
- **Current Classification:** Municipal Pool
- **City Council District:** District 4
- **Facility Address:** 5200 Berkman Drive
- **Recommendations:** Appendix E pg # E-3



DEEP EDDY POOL

- **Year Built/Renovated:** 1916 / 2012
- **Volume:**
- **Current Classification:** Municipal
- **City Council District:** District 10
- **Facility Address:** 401 Deep Eddy Ave.
- **Recommendations:**



WESTENFIELD POOL

- **Year Built/Renovated:** 1931 / 2013
- **Volume:** 123,071 gal
- **Current Classification:** Neighborhood
- **City Council District:** District 10
- **Facility Address:** 2008 Enfield Rd.
- **Recommendations:**

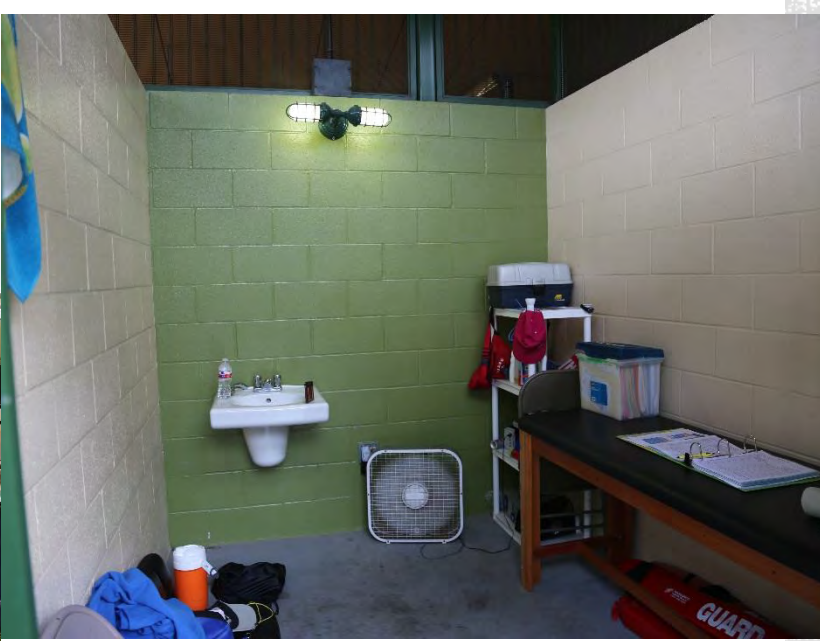
Appendix E pg # E-97





OLD WESTENFIELD





SITE





POOL/DECK





RESTROOM



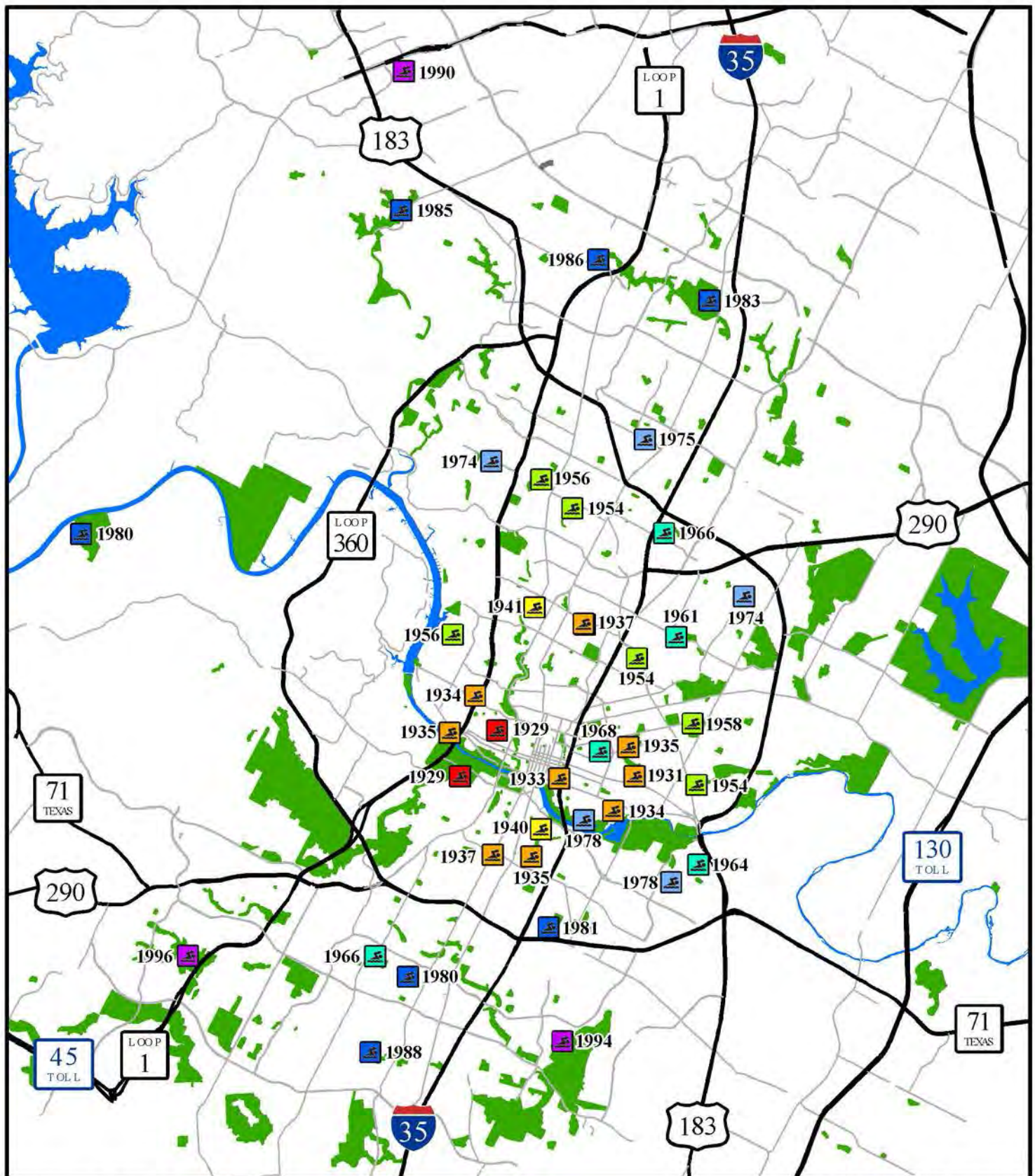


PUMP ROOM



Appendix B2

Geography and Population



PARD Pools: Locations and Dates



Legend

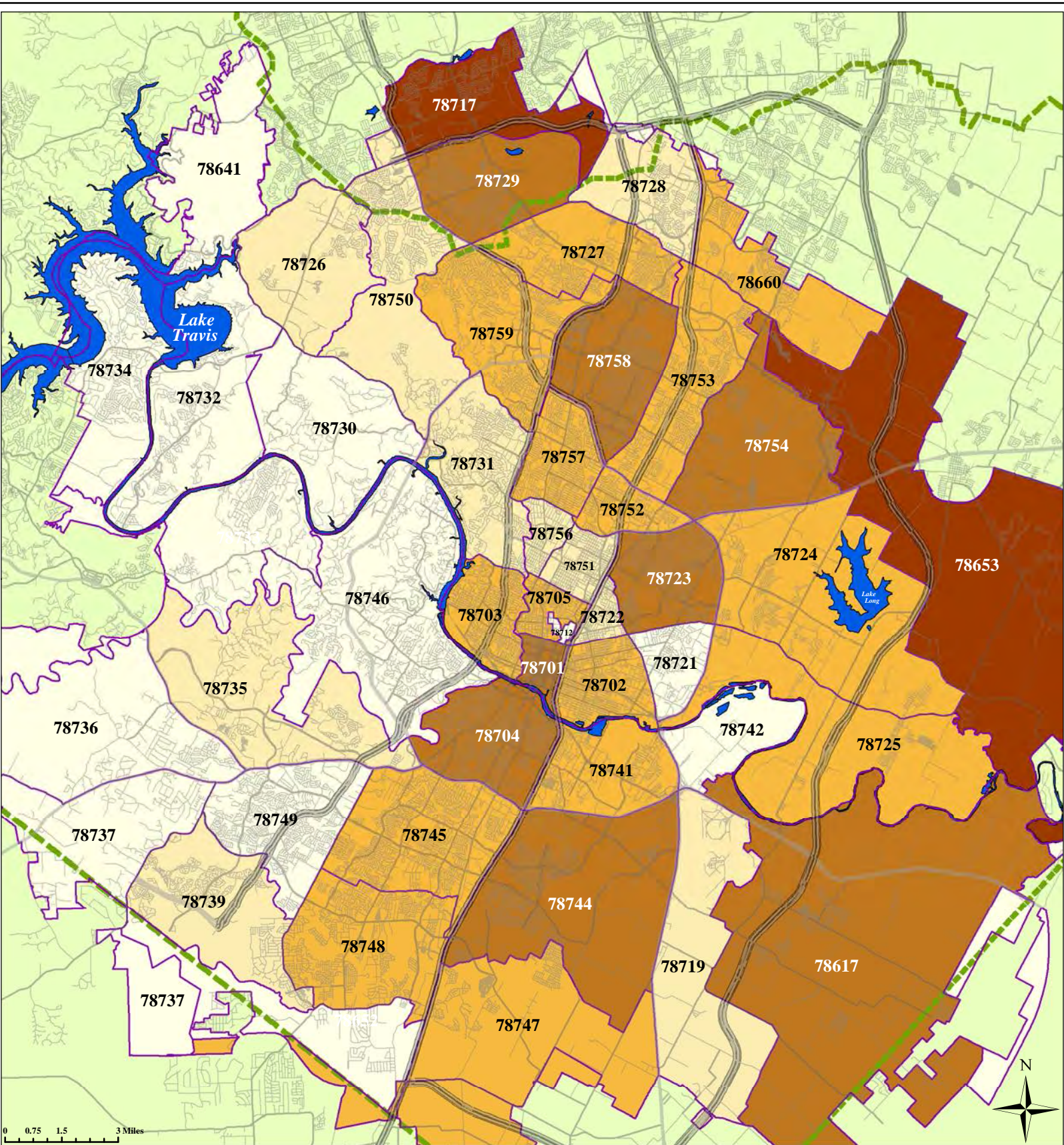
| | | | | | |
|--|--------|--|--------|--|----------------------|
| | 1920'S | | 1950'S | | 1980's |
| | 1930'S | | 1960'S | | 1990's |
| | 1940'S | | 1970'S | | City of Austin Parks |
| | | | | | Lakes |

13 October 2017 hardya

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. This product has been produced by the Parks and Recreation Department for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.

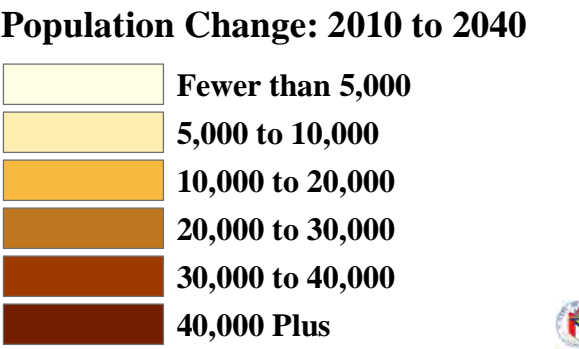
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Miles





Total Population Change: 2010 to 2040 Forecast

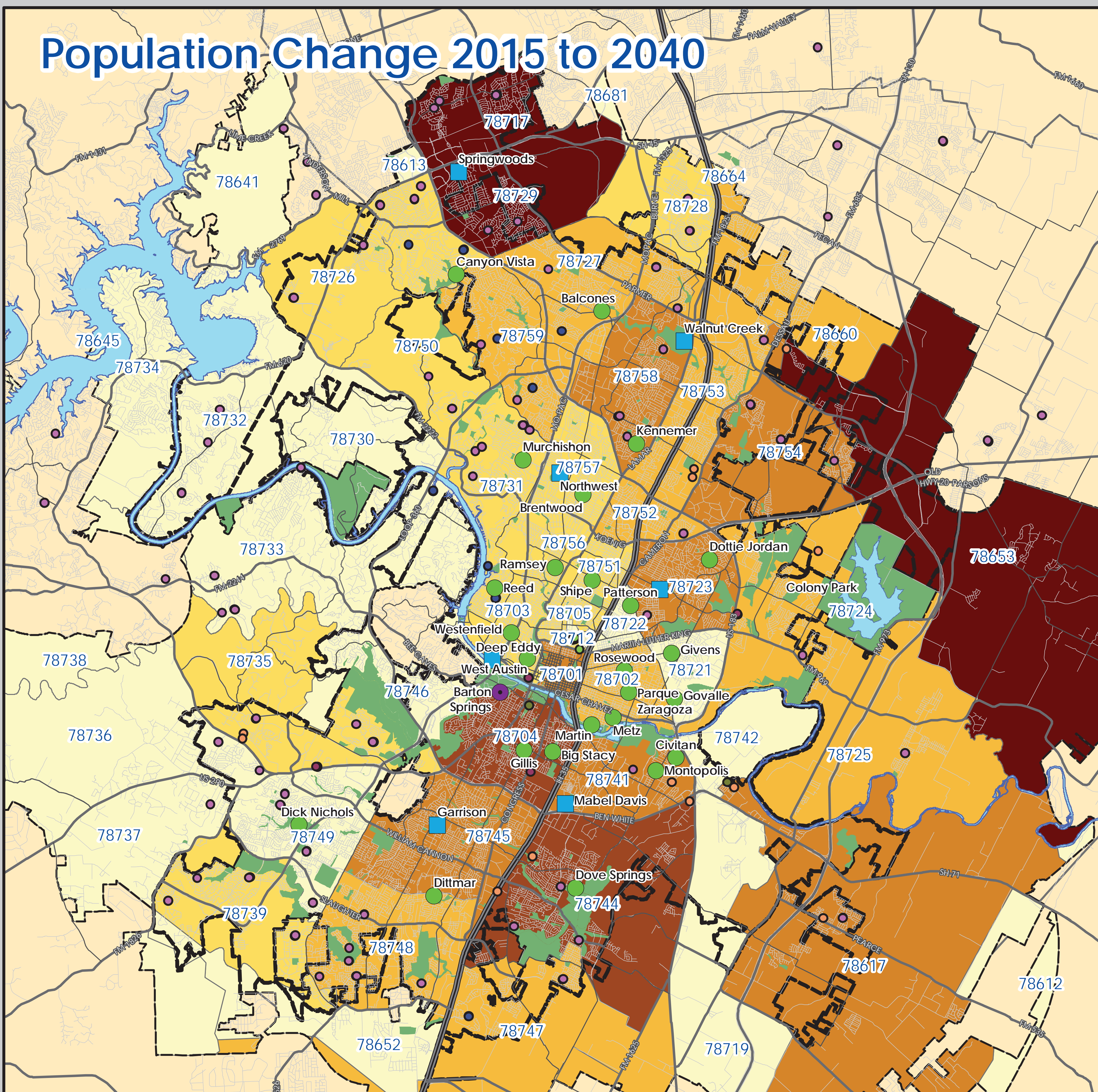
ZIP Codes, Austin, Texas



counties
 ZIP Codes



Population Change 2015 to 2040



Legend

Population Change

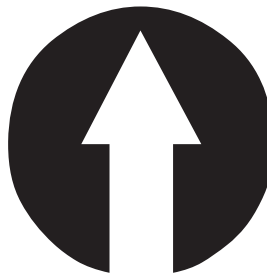
- Under 5,000
- 5,000 to 10,000
- 10,000 to 15,000
- 15,000 to 20,000
- 20,000 to 25,000
- Over 25,000

Pool Type

- Municipal
- Neighborhood
- Waterfront
- City of Austin Parks
- City Limits
- Planning Boundary

Other Pools

- Association/District
- RV/Mobile Home
- Club
- University
- YMCA
- Other Private



DTI 2040 Population and Employment Forecast

Introduction, Methodology, and Discussion

Introduction

The City of Austin's "DTI 2040 Population and Employment Forecast" is a long-range, small-polygon-based population and employment forecast produced by the City Demographer in conjunction with other City departments, most notably Austin Water. The close collaboration between the City's Planning Department and the City's Water Utility spans many decades and is responsible for the production of several accurate population and employment forecasts over the years.

DTI is an acronym, standing for **D**elphi, **T**rends and **I**mage Austin, and 2040 refers to the final year of the forecast, also known as the forecast horizon. The specific influences exerted on the overall forecast by the components of Delphi, Trends, and Image Austin are discussed in detail in the methodology sections of this document. DTI 2040 is the first long-range, small-polygon-based forecast to be collectively and collaboratively created by City departments for Austin following the release of Census 2010 data. The fundamental purpose of the forecast is to predict the future total population and employment within each polygon in the study area, for the year 2020 and the horizon year 2040.

Population Forecast Methodology

STEP ONE: Establish the Baseline

To establish a 2010 population baseline, Census 2010 block-level population data were aggregated into 227 proprietary polygons within the DTI 2040 study area ([please see map](#)) which is basically the City of Austin's Full and Limited Purpose jurisdictions plus the City's Extra-Territorial jurisdiction. In most cases, census blocks fit neatly within the study area's polygons, thereby creating a solid baseline.

STEP TWO: Determine future population totals for the study area as a whole

A population control total for the DTI 2040 study area for 2020 and 2040 was generated from the long-range population projection for the City of Austin, using an assumed ratio relationship between the study area and the City as a whole. The ratio relationship between the study area and the City has proven to be extremely stable over time. It is considered a viable method of determining what the total population within the study area will be in the future, assuming that the City's forecasted future total populations are closely aligned to the actual trajectory of growth that is realized over the forecast period.

STEP THREE: Disaggregating the 2040 population control total into polygons

Each polygon within the study area was assigned a portion of the projected increment of overall population growth for the entire study area. Estimating each polygon's portion of overall population growth was accomplished by initially assigning a "growth factor" to each polygon. Growth factors determine each polygon's potential population growth from 2010 to 2040. Essentially, the growth factor for each polygon is the result of accuracy calibrations originating from the City's Smart Growth forecast, a previously produced regional forecast. The calibrated growth factors were used only as initial starting points from which corrections and modifications were made.

STEP FOUR: Adjustments from the “Delphi Team”

The preliminary future populations for 2040 for each polygon—determined by applying the growth factor for each polygon—within the study area were reviewed by the “Delphi Team.” This refers to the “Delphi Method,” which is an interactive forecasting method that relies on a panel of experts.^{1,2} Each person on the Delphi Team requires a deep knowledge of the study area, knowledge of emerging developments, and the potential for future development within the study area.

The Delphi Team included demographers, engineers, geographers, and planners and represented decades of experience within the greater Austin area.

STEP FIVE: Input data influencing Delphi Team decisions

- Emerging residential and mixed-use developments;
- Position of the polygon within the overall study area, a factor which takes into account roadway accessibility and proximity to other developments;
- Momentum of population growth within the polygon from 2000 to 2010;
- Approved and applied for Water Utility Service Extension Agreements;
- Adjacency to Imagine Austin Activity Centers and Corridors, assessing the viability of growth ranges assigned to these centers and corridors;
- Construction activity and delivered product from 2010 to 2013; and
- Aerial photography and numerous Geographic Information Systems (GIS) land use and environmental constraint layers to determine future potential for development and redevelopment.

It is important not to underestimate the level of analysis and methodological rigor applied to each individual DTI 2040 polygon in terms of the intensity of examination delivered from the Delphi Team. This collaborative, comprehensive and in-depth analysis of each individual polygon on the part of the Delphi Team is what makes the Delphi Method so valuable, basically bringing the complexities and nuances of population and employment forecasting out from within an opaque black box and into the transparent open. Experts debating, persuading and compromising with an end result being superior to a result generated by the blind heavy-hand of an algorithm.

STEP SIX: Create “market timers” for each polygon to determine year 2020 population totals

A default value of 33% was set as a market timer for each polygon, meaning that each polygon will gain roughly 1/3 of the total population increment expected between 2010 and 2040 by 2020. The Delphi Team then reviewed each individual polygon’s 2020 predicted total population and made adjustments based on the overall consensus of the team.

Employment Forecast Methodology

STEP ONE: Establish the Baseline

To establish a 2010 employment baseline, address-specific total employment data were aggregated into the DTI 2040 study area’s 227 polygons. The 2010 base employment data were provided by CAMPO (metropolitan Austin’s Municipal Planning Organization). Analysts at CAMPO spent an enormous amount of time and energy scrubbing and perfecting the employment data, working through issues such as all school district employees being assigned to the district central office rather being correctly assigned and distributed to the hundreds of various work sites and schools across the district. Without the valuable efforts from CAMPO staff, the City’s DTI 2040 could not have been produced.

¹ Woudenberg, Fred, “An Evaluation of Delphi,” *Technological Forecasting and Social Change*, Sept. 1991.

² Gordon, Theodore J., “The Delphi Method,” *The Millennium Project, Future Research Methodology—V3.0*, 1999.

STEP TWO: Generate an employment control total for the study area

A control total for the number of future jobs expected within the study area was generated by projecting into the future the current ratio between total population and the total number of jobs. This type of projection is standard and in this case assumes an increasing jobs-to-population ratio as the overall commuting shed of metropolitan Austin is assumed to continue to spatially expand. Put another way, in relative terms, the total number of jobs within the study area will begin to slowly approach the total population residing within the study area. In one extreme but illustrative example, the number of jobs within Manhattan greatly outnumbers the number of people living on the island.

STEP THREE: Create study area districts

To facilitate the disaggregation of the employment control total, polygon districts were created by grouping collections of contiguous study area polygons together yielding 20 larger districts, each containing 9 to 13 individual study area polygons.

STEP FOUR: Generate an initial employment growth increment for each district

Each district's share of the total number of study area jobs from the 2010 baseline was used to assume a future potential portion of total study area jobs for each district. For example, using the 2010 data, the study area district covering most of greater downtown Austin has the largest share of total jobs and was assumed to also have the largest share of total study area jobs in 2040. Some districts will experience large gains in overall share (districts in places like North Burnet-Gateway), and some districts will lose overall share (districts that currently include employment centers such as the IRS facility in southeast Austin). The resultant total number of jobs predicted by 2040 for each district was reviewed and adjusted by the Delphi Team.

STEP FIVE: Disaggregate district totals into individual polygons

The Delphi Team examined each district and disaggregated district employment totals into each individual polygon within that district using the current share and future share (relative to the district total) technique for each individual DTI 2040 polygon.

The Delphi Team used the same set of input data employed during the allocation process of population.

- Emerging commercial and mixed-use developments;
- Position of the polygon within the overall study area, a factor which takes into account roadway accessibility and proximity to other developments;
- Momentum of employment growth within the polygon from 2000 to 2010;
- Approved and applied for Water Utility Service Extension Agreements;
- Adjacency to Imagine Austin Activity Centers and Corridors, assessing the viability of growth ranges assigned to these centers and corridors;
- Construction activity and delivered product from 2010 to 2013; and
- Aerial photography and numerous Geographic Information Systems (GIS) land use and environmental constraint layers to determine future potential for development and redevelopment.

STEP SIX: Create “market timers” for each polygon to determine year 2020 population totals

A default value of 33% was set as a market timer for each polygon, meaning that each polygon will gain roughly 1/3 of the total employment increment expected between 2010 and 2040 by 2020. The Delphi Team then reviewed each individual polygon's 2020 predicted total employment and made adjustments based on the overall consensus of the team.

Discussion

All population and employment forecasts occupy a position along a continuum of modeling philosophy, with one end of the continuum representing purely policy-driven forecasts and the other end of the continuum representing purely market trends-driven forecasts. Austin's DTI 2040 forecast is positioned towards the end where purely market trends-driven forecasts reside. The DTI 2040 forecast is therefore more of a market trends forecast than a policy forecast. Elements of a policy forecast include potential population and employment growth expected to occur within Imagine Austin activity centers and along mixed-use corridors. These growth expectations were adjusted using knowledge of the trends within current development patterns and practices.

The DTI 2040 forecast incorporates an envisioned urban-centric future of growth and development for Austin and yet also accounts for widely distributed, low-density suburban development that will surely continue to occur. The DTI 2040 forecast explicitly assumes a significant amount of redevelopment within the central urban area along with continued greenfield development where possible across the study area. The DTI 2040 forecast also takes into account that Austin's future employment pattern will be one of increased "multi-nucleation," meaning that while downtown will continue to be the region's largest employment center, other significant clusters of employment will emerge regionally.

Worthy of mention is the fact that there are parallel yet inferior parcel-level forecast products currently available for the Austin area. Long-range forecasts based on parcel-level modelling notoriously suffer from what is known as aggregation bias.³ Aggregation bias can create a forecasting situation in which the predicted land uses of individual parcels cumulatively result in a grossly over-estimated study area total. Whereas the DTI 2040 forecast utilizes a far more reliable technique of beginning with a total increment of growth for the study area, both population and employment, and then distributing these increments into all constituent study area polygons based on attributes that estimate an individual polygon's attractiveness to future growth.

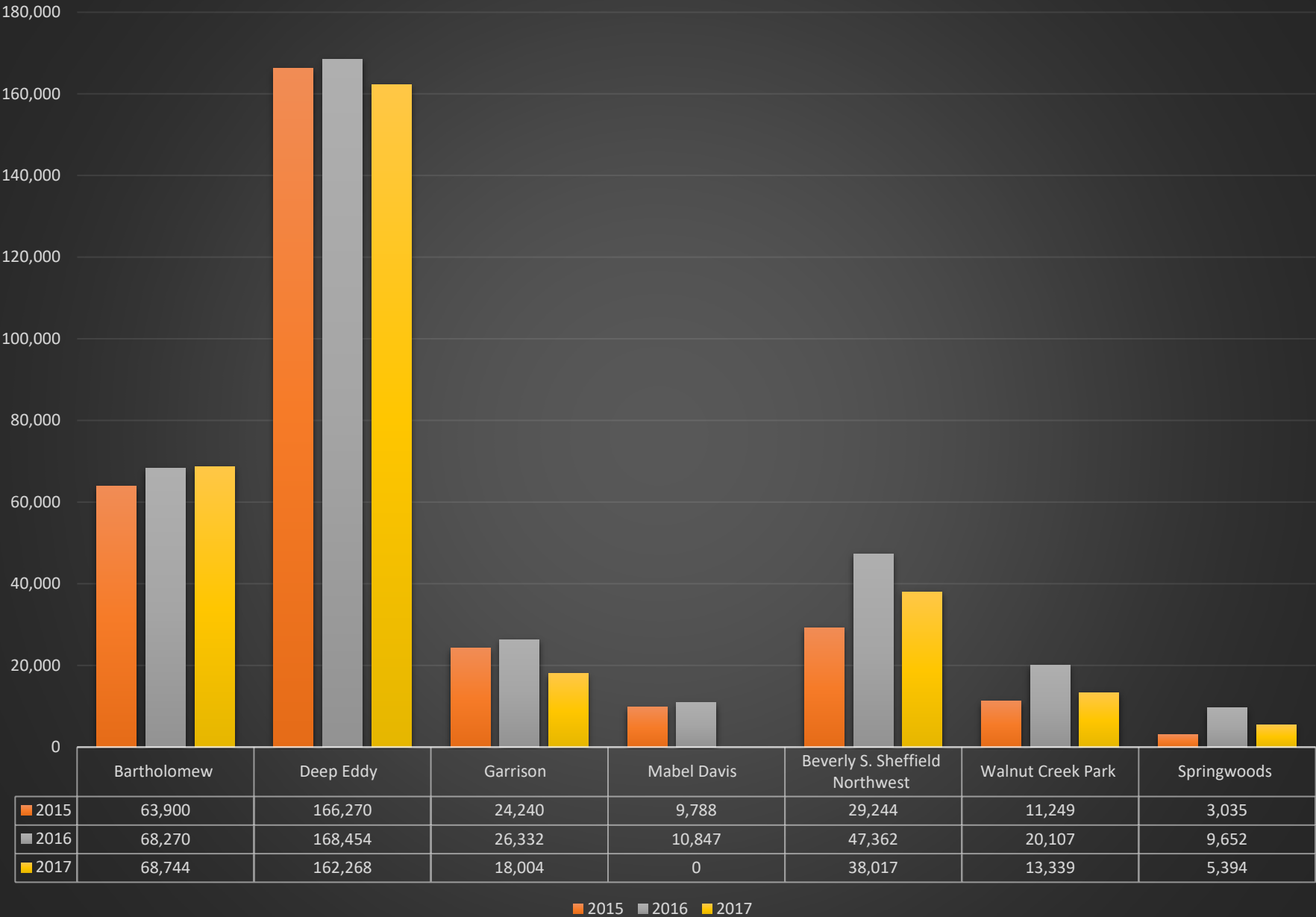
And finally, the Delphi Team studied a wide variety of thematic, analytic maps generated using the newly created forecast data to show overall trends and the relationships between population growth and employment growth across the study area. Qualitative, visual assessments of mapped forecast results were a critical tool in determining the overall viability of the forecast.

³ Aggregation Bias in Small Area polygon-based Forecasting. Dr. Ronald Mitchelson, Professor of Geography, University of Georgia, paper presented to the Association of American Geographers Annual Conference, 1986.

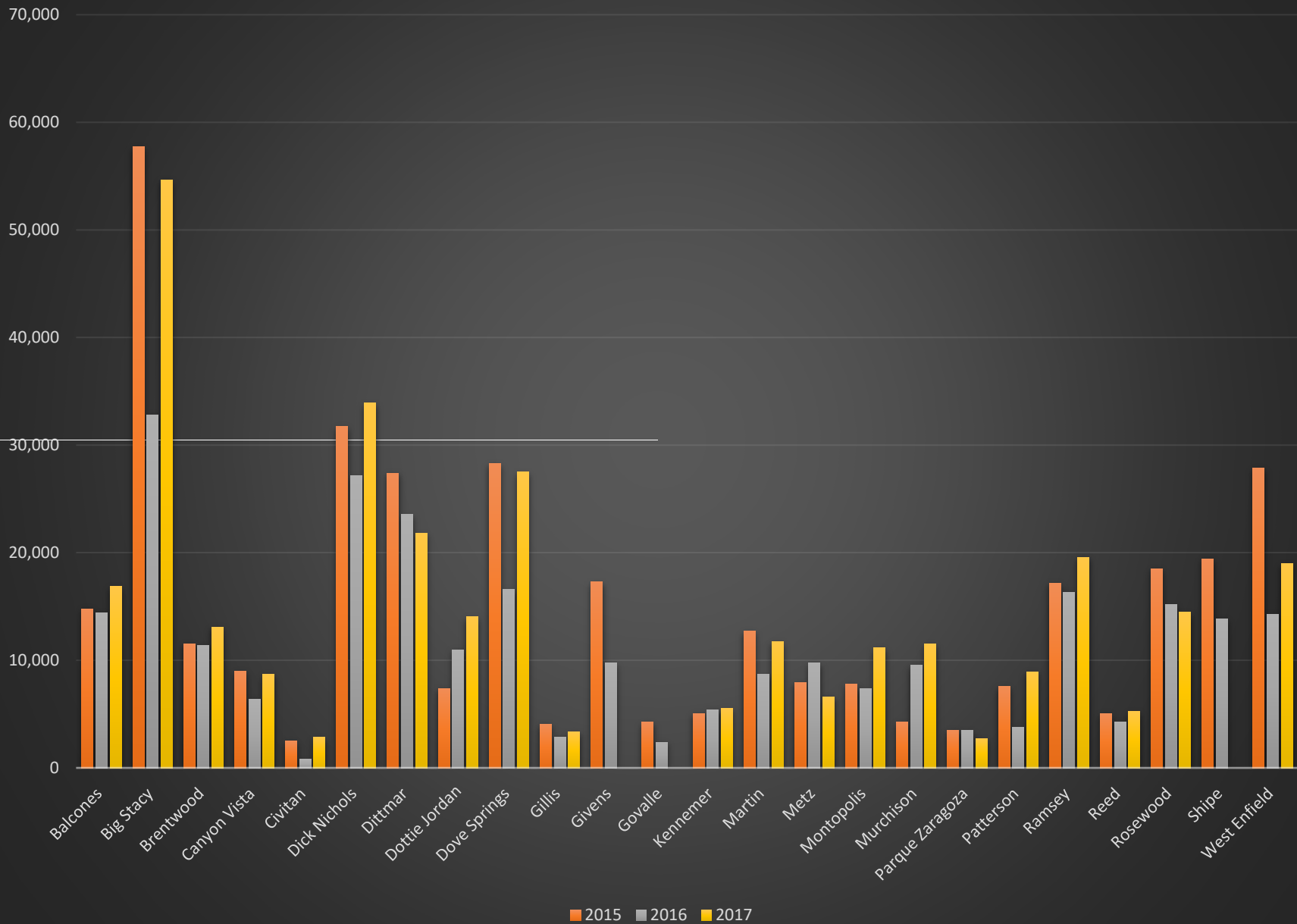
| Pool Name | Balcones | Bartholomew | Big Stacy | Brentwood | Canyon Vista | Civitan | Deep Eddy | Dick Nichols | Dittmar | Dottie Jordan | Dove Springs | Garrison | Gillis | Givens | Govalle | Kenemer | Little Stacy | Mabel Davis | Martin | Metz | Montopolis | Murchison | Northwest | Parque Zaragoza | Patterson | Ramsey | Reed | Rosewood | Shipe | Springwoods | Walnut Creek | Westernfield | West Austin |
|-----------------|----------|-------------|-----------|-----------|--------------|---------|-----------|--------------|---------|---------------|--------------|----------|--------|--------|---------|---------|--------------|-------------|--------|------|------------|-----------|-----------|-----------------|-----------|--------|------|----------|-------|-------------|--------------|--------------|-------------|
| Balcones | 0 | 10.2 | 14.5 | 6.8 | 4.6 | 16.1 | 10.9 | 19.3 | 20.3 | 21 | 19.5 | 16.6 | 14.1 | 13.1 | 15.2 | 4.8 | 11.9 | 16.2 | 14 | 12.9 | 16.4 | 6.2 | 5.3 | 14 | 10.4 | 8.5 | 9.7 | 13.4 | 9.5 | 7 | 3.6 | 10 | 11 |
| Bartholomew | 10 | 0 | 7.1 | 4 | 12.8 | 6.7 | 6.8 | 16.9 | 15.3 | 2.3 | 11.4 | 11.9 | 7.4 | 2.4 | 3.7 | 5.4 | 6.6 | 8 | 5.3 | 5.3 | 5.7 | 6.4 | 4.9 | 3.9 | 1.8 | 3.4 | 6.1 | 3.2 | 2.7 | 14 | 8.3 | 5.9 | 5.6 |
| Big Stacy | 12.3 | 6.9 | 0 | 9.5 | 20.7 | 4.7 | 4.1 | 10.8 | 6.6 | 9.3 | 4.5 | 4.8 | 1 | 6.2 | 4.9 | 10.6 | 0.6 | 1.7 | 2.7 | 3.3 | 4 | 10 | 9.8 | 4.2 | 6.1 | 7.5 | 6.3 | 4.4 | 6.3 | 20 | 8.3 | 4.6 | 3.7 |
| Brentwood | 6.4 | 4.1 | 9.5 | 0 | 9.9 | 8.5 | 6.5 | 15 | 16.7 | 5 | 14.1 | 12.3 | 9.8 | 6.3 | 6.9 | 3.2 | 8.9 | 14.4 | 7.8 | 8 | 8.9 | 3.5 | 1.3 | 7.6 | 4.1 | 2.3 | 5.1 | 7.1 | 3 | 14 | 6.1 | 5.6 | 5.7 |
| Canyon Vista | 5.1 | 13.2 | 17.4 | 9.9 | 0 | 17.9 | 13.2 | 20.9 | 21.7 | 13.1 | 22.5 | 18.3 | 17.1 | 15.6 | 16.2 | 8.6 | 16.9 | 19.2 | 17 | 17.3 | 18.2 | 6.7 | 9.1 | 16.9 | 13.4 | 11.3 | 11.8 | 16.4 | 12.5 | 5.5 | 8.7 | 12.3 | 13.2 |
| Civitan | 14.8 | 5.6 | 4.7 | 8.4 | 17.3 | 0 | 6.5 | 15 | 11.8 | 6.4 | 5.3 | 9.5 | 8.1 | 3 | 1.8 | 10.2 | 4.8 | 4.9 | 3.7 | 2.7 | 0.8 | 14.4 | 9.7 | 2.7 | 4.8 | 7.1 | 8.3 | 3.2 | 5.8 | 19.9 | 13.1 | 6.6 | 6.3 |
| Deep Eddy | 11.5 | 7.2 | 4.1 | 7.4 | 14 | 6.4 | 0 | 8.9 | 9.5 | 10 | 9.3 | 6.3 | 3.8 | 6 | 5.7 | 9.4 | 3.5 | 5.9 | 3.7 | 4 | 6.6 | 6.9 | 6.6 | 4.1 | 5.6 | 4.2 | 2.2 | 4.5 | 5.5 | 17 | 13.2 | 1.1 | 1.3 |
| Dick Nichols | 19.5 | 15.5 | 9.7 | 15.3 | 20.5 | 14.6 | 9.2 | 0 | 5.5 | 19 | 8.9 | 4.9 | 8.9 | 14.4 | 14 | 18.4 | 10 | 9.6 | 12 | 12.3 | 12.8 | 14.9 | 14.8 | 12.7 | 14.1 | 13 | 11.5 | 13 | 14 | 24.9 | 22 | 9.5 | 9.7 |
| Dittmar | 20.3 | 12.6 | 6.6 | 15.3 | 22.7 | 10.7 | 10 | 5.5 | 0 | 15.9 | 5.6 | 3.3 | 6 | 11.7 | 11.9 | 16.3 | 7 | 6.6 | 9.7 | 9.8 | 9.6 | 14.6 | 15.8 | 9.9 | 11.6 | 13.2 | 12.3 | 10.3 | 12.5 | 25.7 | 19.8 | 10.4 | 9.2 |
| Dottie Jordan | 9.1 | 2.3 | 9.3 | 5.5 | 12.5 | 6.4 | 8.6 | 19.8 | 15.7 | 0 | 11.5 | 13.7 | 10 | 3.3 | 4.5 | 5.4 | 9.2 | 9.8 | 7 | 6 | 7.1 | 7.9 | 6.4 | 5.1 | 3.4 | 5.5 | 8.4 | 4.8 | 5 | 15.6 | 7.9 | 7.7 | 7.5 |
| Dove Springs | 19 | 10.7 | 4.5 | 13.4 | 21.5 | 5.5 | 8.9 | 9.3 | 5.7 | 12.3 | 0 | 4.7 | 5.4 | 8.1 | 6.8 | 14.4 | 5.6 | 3.1 | 5.9 | 6.9 | 4.6 | 14.5 | 15.7 | 7.8 | 9.5 | 11.2 | 11 | 8.3 | 10 | 24.5 | 17.5 | 9.3 | 9.1 |
| Garrison | 16.7 | 11.8 | 4.8 | 12.6 | 17.7 | 10 | 6.5 | 4.9 | 3.3 | 14.6 | 4.7 | 0 | 4.1 | 12.4 | 9.8 | 15.5 | 5.5 | 4.8 | 7.2 | 8.3 | 7.9 | 12.1 | 12 | 9.1 | 10.8 | 8.7 | 8.8 | 9.4 | 11.2 | 22.2 | 18.6 | 6.9 | 6 |
| Gillis | 14.2 | 7.9 | 1 | 10 | 16.7 | 5.3 | 4 | 8.8 | 6 | 10 | 5.3 | 4.1 | 0 | 7 | 5.9 | 11.7 | 1.6 | 2.4 | 3.3 | 4.3 | 4.6 | 9.7 | 9.3 | 4.5 | 6.7 | 6.3 | 6.1 | 4.5 | 7 | 19.7 | 14.7 | 4.3 | 3.4 |
| Givens | 12.5 | 2.4 | 6.2 | 6.2 | 15 | 3 | 5.9 | 14.4 | 12.4 | 3.3 | 9.5 | 10.9 | 6.1 | 0 | 1.4 | 7.9 | 5.7 | 7.1 | 3.6 | 2.7 | 3.4 | 10 | 7.2 | 1.9 | 2.5 | 4.9 | 6.5 | 1.7 | 3.6 | 18 | 11 | 5 | 4.6 |
| Govalle | 13 | 3.7 | 4.9 | 6.8 | 15.6 | 1.8 | 5.7 | 15 | 12.9 | 4.5 | 6.7 | 9.8 | 5.9 | 5.9 | 0 | 8.5 | 4.6 | 5.1 | 3 | 2 | 2.2 | 9.1 | 7.8 | 1.4 | 3.1 | 5.5 | 7 | 1.8 | 4.2 | 18.6 | 11.6 | 5.6 | 5.2 |
| Kenemer | 4.8 | 5.4 | 10.3 | 3.2 | 8.6 | 10.2 | 9.4 | 18.5 | 18 | 5.5 | 15 | 15.4 | 11.6 | 7.6 | 8.2 | 0 | 10 | 11.6 | 9.4 | 9.7 | 10.6 | 4.6 | 2.9 | 8.8 | 5.8 | 4.8 | 7.3 | 7.7 | 4.8 | 11.1 | 3.6 | 7.3 | 7.8 |
| Little Stacy | 14.4 | 6.3 | 0.6 | 8.4 | 16.8 | 4.6 | 4 | 9.9 | 7.4 | 8.7 | 5.3 | 5.2 | 1.5 | 5.4 | 4.3 | 10 | 0 | 2.4 | 1.8 | 2.8 | 3.8 | 9.8 | 9.4 | 3.5 | 5.1 | 6.2 | 6.1 | 3.7 | 5.8 | 19.8 | 13.4 | 4.4 | 3.3 |
| Mabel Davis | 16.2 | 8 | 1.7 | 14.4 | 19.2 | 4.9 | 5.9 | 9.6 | 6.6 | 10.6 | 3.1 | 4.8 | 2.4 | 7.1 | 5.1 | 11.5 | 2.6 | 0 | 3.7 | 3.7 | 3.8 | 11.6 | 11.6 | 4.4 | 7 | 8.5 | 8 | 5.1 | 7.3 | 21.6 | 14.6 | 6.2 | 5.4 |
| Martin | 14 | 5.6 | 2.7 | 7.9 | 16.4 | 3.6 | 3.7 | 12.2 | 9.1 | 6.9 | 7.3 | 7.2 | 3.7 | 3.6 | 2.9 | 9.4 | 2.4 | 3.7 | 0 | 1 | 4 | 9.5 | 9.2 | 1.7 | 3.9 | 5.5 | 5.7 | 1.8 | 4.8 | 19.4 | 12.4 | 4.1 | 3.3 |
| Metz | 14.2 | 5 | 3.3 | 8.3 | 16.7 | 2.6 | 4 | 12.5 | 9.6 | 6 | 6.7 | 8.5 | 4.3 | 2.9 | 1.9 | 9.3 | 2.9 | 3.7 | 1 | 0 | 3 | 9.8 | 8.5 | 0.8 | 3.6 | 5.7 | 6.1 | 1.5 | 5 | 19.8 | 12.7 | 4.4 | 3.7 |
| Montopolis | 14.2 | 5.8 | 4 | 8.9 | 18.9 | 0.8 | 6.6 | 12.8 | 9.6 | 6.8 | 4.7 | 7.9 | 4.6 | 3.5 | 2.1 | 10.6 | 4.1 | 3.8 | 4 | 2.6 | 0 | 12.4 | 10.1 | 3.1 | 5.2 | 7.6 | 8.7 | 3.8 | 6.3 | 21.9 | 14.6 | 7.1 | 6.1 |
| Murchison | 6.1 | 6.4 | 10 | 3.9 | 6.8 | 14.2 | 6.4 | 14.8 | 15.1 | 7.7 | 15.1 | 12.1 | 9.7 | 9.1 | 9.1 | 4.3 | 9.4 | 11.6 | 9.6 | 9.8 | 14.6 | 0 | 2.9 | 9.7 | 6.3 | 3.9 | 4.5 | 9 | 4.7 | 11.5 | 8.4 | 5.1 | 6.5 |
| Northwest | 5.3 | 4.9 | 9.8 | 1.3 | 9.1 | 10 | 6.6 | 15.3 | 16.6 | 6.4 | 14.8 | 12.6 | 9.3 | 7.2 | 7.8 | 2.9 | 9.6 | 11.4 | 9.2 | 8.5 | 10.4 | 2.9 | 0 | 9.2 | 4.9 | 2.8 | 5.4 | 7.1 | 3.6 | 11.7 | 7.1 | 5.7 | 6.3 |
| Parque Zaragoza | 13.8 | 4.2 | 4.2 | 8.2 | 16.3 | 2.6 | 4 | 13 | 10.5 | 5.5 | 7.7 | 9.2 | 4.5 | 1.9 | 1.4 | 8.8 | 3.9 | 4.4 | 1.7 | 0.8 | 3 | 9.6 | 9.2 | 0 | 2.9 | 5.1 | 5.6 | 0.7 | 4.3 | 19.4 | 11.9 | 4.2 | 3.7 |
| Patterson | 10 | 1.6 | 6.1 | 3.9 | 12.7 | 4.6 | 5.8 | 14.3 | 12.3 | 4.3 | 9.8 | 10.8 | 6.9 | 2.4 | 2.9 | 5.3 | 5.6 | 7 | 4.8 | 3.9 | 5 | 6.1 | 4.9 | 3.2 | 0 | 2.6 | 4.9 | 1.9 | 1.3 | 15.8 | 8.2 | 4.9 | 4.5 |
| Ramsey | 8.5 | 3.4 | 7.5 | 2.3 | 10.9 | 7 | 4 | 13 | 13.7 | 5.3 | 11.9 | 8.7 | 6.3 | 4.9 | 5.5 | 4.8 | 7 | 8.5 | 5.5 | 6.1 | 7.6 | 3.9 | 2.8 | 5 | 2.6 | 0 | 2.8 | 4.8 | 1.3 | 14 | 7.5 | 3.3 | 3.3 |
| Reed | 8.2 | 5.7 | 6.6 | 5.7 | 8.7 | 9.8 | 2.2 | 11.4 | 11.8 | 8.1 | 11.5 | 8.5 | 6 | 6.3 | 6.9 | 7.7 | 6 | 7.9 | 5.9 | 6.2 | 8.6 | 4.4 | 4.9 | 5.9 | 4.9 | 2.6 | 0 | 5 | 3.6 | 15.2 | 11.4 | 1.7 | 2.5 |
| Rosewood | 13.3 | 3.7 | 4.2 | 6.4 | 15.8 | 3.3 | 4.3 | 13 | 11 | 4.8 | 9 | 9.5 | 5.4 | 1.8 | 1.8 | 7.6 | 4.3 | 5.1 | 2.1 | 1.7 | 3.7 | 8.2 | 8.4 | 1 | 1.9 | 4 | 5 | 0 | 3.5 | 18.9 | 11.8 | 3.7 | 3 |
| Shipe | 9.4 | 2.7 | 6.3 | 3 | 11.8 | 5.8 | 5.5 | 14 | 12.5 | 5 | 10 | 11.1 | 7 | 3.6 | 4.2 | 4.8 | 5.8 | 7.3 | 4.8 | 5 | 6.3 | 4.7 | 3.6 | 4.3 | 1.3 | 1.3 | 3.8 | 3.4 | 0 | 14.9 | 7.8 | 4.3 | 4 |
| Springwood | 7.6 | 15.6 | 20.7 | 13.2 | 5.5 | 21.4 | 16.3 | 24.7 | 26.1 | 15.6 | 25 | 22.1 | 21.6 | 18 | 18.6 | 11.1 | 20 | 21.6 | 19.5 | 19.7 | 22.1 | 11.6 | 11.8 | 19.3 | 15.8 | 16 | 15.1 | 18.9 | 16.3 | 0 | 9.1 | 15.4 | 16.4 |
| Walnut Creek | 3.6 | 8.3 | 8.3 | 6.1 | 8.7 | 13.2 | 13.4 | 22 | 19 | 8.6 | 18 | 18.1 | 14.2 | 10.7 | 11.2 | 3.6 | 13 | 14.6 | 12.5 | 12.7 | 13.6 | 8.4 | 6.3 | 12.3 | 8.2 | 7.5 | 12.3 | 11.9 | 9.3 | 9.1 | 0 | 12.5 | 10.8 |
| Westernfield | 10.1 | 5.9 | 4.6 | 5.6 | 12.5 | 6.6 | 1.1 | 9.5 | 9.7 | 7.7 | 9.8 | 6.9 | 4.3 | 5 | 5.6 | 7.3 | 3.9 | 6.2 | 4.1 | 4.4 | 7.1 | 5.1 | 5.7 | 4.2 | 4.9 | 3.3 | 1.7 | 3.4 | 4.1 | 15.6 | 12.6 | 0 | 1 |
| West Austin | 10.9 | 5.6 | 3.7 | 5.7 | 13.3 | 6.3 | 1.3 | 9.7 | 9.2 | 7.5 | 9.1 | 6 | 4.3 | 4.6 | 5.2 | 7.8 | 3.1 | 5.4 | 3.3 | 3.7 | 6.1 | 6.5 | 6.3 | 3.2 | 4.5 | 3.3 | 2.5 | 3.3 | 4.3 | 16.4 | 12.2 | 1 | 0 |

| | | | |
|--|----------------------------|-----------------------------|-----------------------|
| Pools that are less than or equal to 1 | Pools 5 or less miles away | Pools 10 or less miles away | Greater than 10 miles |
|--|----------------------------|-----------------------------|-----------------------|

Municipal Pools

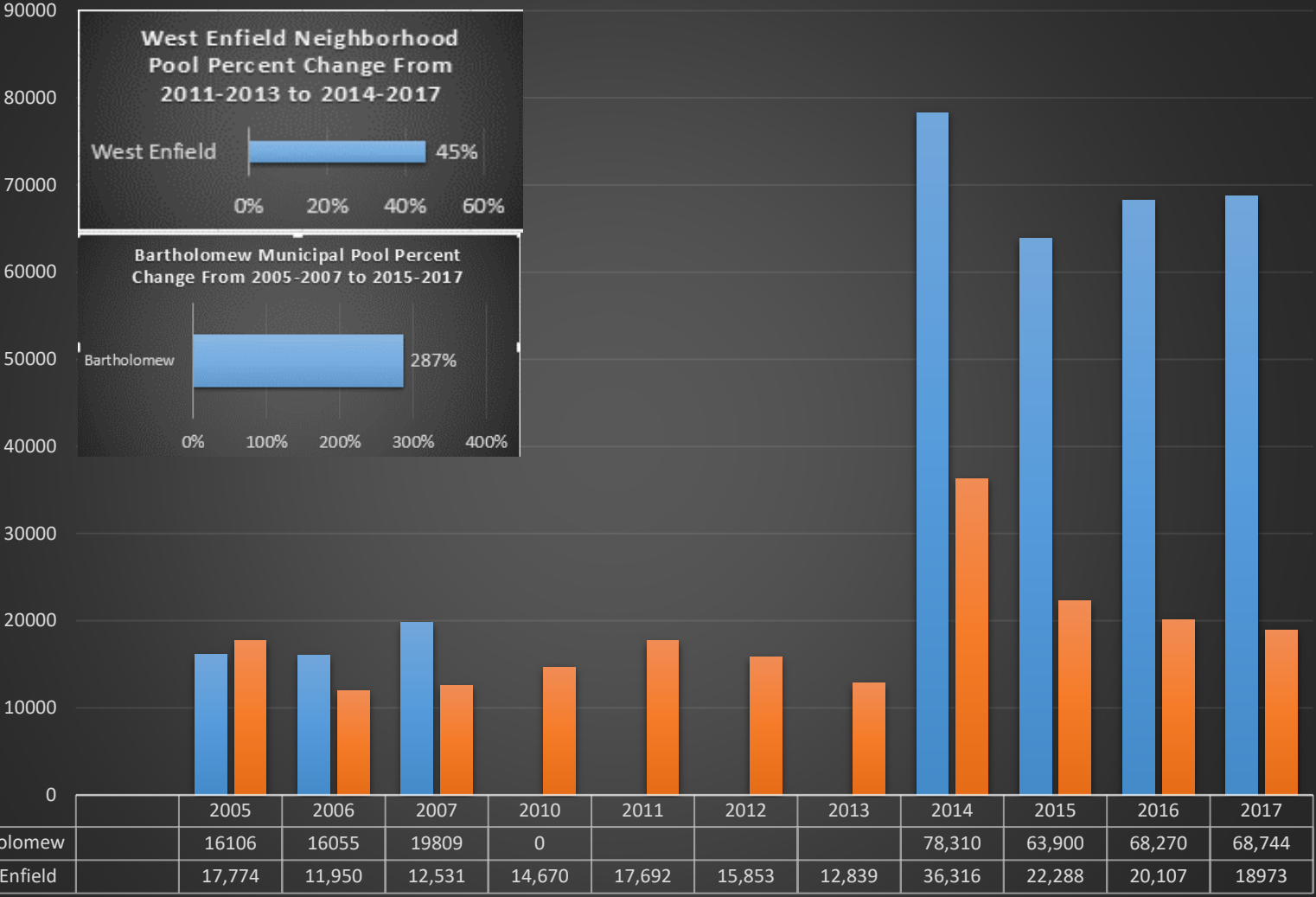


Neighborhood Pools



| POOL | | 2015 | 2016 | 2017 |
|-----------------------------------|--|--------|--------|--------|
| Neighborhood Pools | | | | |
| Balcones Neighborhood Pool | | 14,774 | 14392 | 16863 |
| Big Stacy Neighborhood Pool | | 57,737 | 32826 | 54660 |
| Brentwood Neighborhood Pool | | 11,533 | 11405 | 13094 |
| Canyon Vista Neighborhood Pool | | 8,960 | 6411 | 8704 |
| Civitan Neighborhood Pool | | 2,508 | 782 | 2,832 |
| Dick Nichols Neighborhood Pool | | 31,726 | 27142 | 33901 |
| Dittmar Neighborhood Pool | | 27,401 | 23559 | 21777 |
| Dottie Jordan Neighborhood Pool | | 7,391 | 10989 | 14036 |
| Dove Springs Neighborhood Pool | | 28,278 | 16578 | 27495 |
| Gillis Neighborhood Pool | | 4,051 | 2861 | 3326 |
| Givens Neighborhood Pool | | 17,267 | 9770 | Closed |
| Govalle Neighborhood Pool | | 4,243 | 2,396 | Closed |
| Kennemer Neighborhood Pool | | 5,059 | 5404 | 5507 |
| Martin Neighborhood Pool | | 12,703 | 8,672 | 11,731 |
| Metz Neighborhood Pool | | 7,939 | 9,756 | 6,618 |
| Montopolis Neighborhood Pool | | 7,756 | 7,340 | 11,142 |
| Murchison Neighborhood Pool | | 4,262 | 9,523 | 11,502 |
| Parque Zaragoza Neighborhood Pool | | 3,497 | 3,464 | 2,748 |
| Patterson Neighborhood Pool | | 7,585 | 3,753 | 8,925 |
| Ramsey Neighborhood Pool | | 17,178 | 16,326 | 19,565 |
| Reed Neighborhood Pool | | 5,057 | 4,269 | 5,223 |
| Rosewood Neighborhood Pool | | 18,505 | 15,182 | 14,446 |
| Shipe Neighborhood Pool | | 19,429 | 13,866 | Closed |
| West Enfield Neighborhood Pool | | 27,850 | 14,288 | 18,973 |

Attendance before and after renovations



Bartholomew West Enfield

Appendix B3

Pool Distances

Balcones - 12017 Amherst Dr. 78727

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|---|---|
| | Walnut Creek Municipal (3.6 miles) | Northwest Municipal Pool (5.3 miles) Springwoods Municipal Pool (7.6 miles) |
| | Neighborhood Pools Canyon Vista (4.5 miles) Kennemer Neighborhood Pool (4.8 miles) | Neighborhood Pools Murchison (6.2 miles) Brentwood Pool (6.8 miles) Ramsey (8.5 miles) Shipe (9.4 miles) Reed (9.7 miles) Westenfield (10 miles) |

Bartholomew - 1800 E. 51st St. 78723

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|---|---|
| | Northwest Municipal (4.9 miles) | Deep Eddy Municipal (6.8 miles) Mabel Davis Municipal (8 miles) Walnut Creek Municipal (8.3 miles) |
| | Neighborhood Pools Dottie Jordan (2.3 miles) Givens (2.4 miles) Govalle (3.7 miles) Parque Zaragoza (3.9 miles) Patterson (1.8 miles) Ramsey (3.4 miles) Rosewood (3.2 miles) Shipe (2.7 miles) Brentwood (4 miles) | Neighborhood Pools Balcones (10 miles) Civitan (5.3 miles) Gillis (7.4 miles) Kennemer (5.4 miles) Martin (5.3 miles) Metz (5.3 miles) Montopolis (5.7 miles) Murchison (6.4 miles) Reed (6.1 miles) Big Stacy (7.1 miles) West Austin (5.6 miles) Westenfield (5.9 miles) Little Stacy (6.6 miles) |

Big Stacy - E. Live Oak St. 78704

| Pools that are less than or equal to 1 mile away | | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|---|
| | | Garrison (4.8 miles) Northwest (9.8 miles) | Deep Eddy (4.1 miles) Mabel Davis (1.7 miles) Walnut Creek (8.3 miles) |
| Neighborhood Pools Little Stacy (0.6 miles) Gillis (1 mile) | | Neighborhood Pools Martin (2.7 miles) Metz (3.3 miles) West Austin (3.7 miles) Montopolis (4 miles) Parque Zaragoza (4.2 miles) Rosewood (4.4 miles) Dove Springs (4.5 miles) Westenfield (4.6 miles) Civitan (4.7 miles) Govalle (4.9 miles) Patterson (6.1 miles) | Neighborhood Pools Givens (6.2 miles) Reed (6.3 miles) Shipe (6.3 miles) Dittmar (6.6 miles) Ramsey (7.5 miles) Dottie Jordan (9.3 miles) Brentwood (9.5 miles) Dick Nichols (9.7 miles) Murchison (10 miles) |

Brentwood - 6710 Arroyo Seca St. 78757

| Pools that are less than or equal to 1 mile away | | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|--|
| | | Bartholomew Municipal (4.1 miles) Northwest Municipal (1.3 miles) | Deep Eddy Municipal (6.5 miles) Walnut Creek Municipal (6.1 miles) |
| | | Neighborhood Pools Dottie Jordan (5 miles) Kennemer (3.2 miles) Murchison (3.5 miles) Patterson (4.1 miles) Ramsey (2.3 miles) Shipe (3 miles) | Neighborhood Pools Balcones (6.4 miles) Big Stacy (9.5 miles) Canyon Vista (9.9 miles) Civitan (8.5 miles) Gillis (9.8 miles) Givens (6.3 miles) Govalle (6.9 miles) Little Stacy (8.9 miles) Martin (7.8 miles) Metz (8 miles) |
| | | | Neighborhood Pools Montopolis (8.9 miles) Parque Zaragoza (7.6 miles) Reed (5.1 miles) Rosewood (7.1 miles) West Austin (5.7 miles) Westenfield (5.6 miles) |

Canyon Vista - 8455 Spicewood Spings Rd. 78759

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|----------------------------|--|
| | | Northwest Municipal (9.1 miles) Springwoods Municipal (5.5 miles) Walnut Creek Municipal (8.7 miles) |
| | | Neighborhood Pools Balcones (5.1 miles) Brentwood Pool (9.9 miles) Kennemer (8.6 miles) Murchison (6.7 miles) |

Civitan - 513 Vargas, 78741

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|--|
| | Mabel Davis Municipal (4.9 miles) | Bartholomew Municipal (5.6 miles) Deep Eddy Municipal (6.5 miles) Garrison Municipal (9.5 miles) Northwest Municipal (9.7) |
| Neighborhood Pools Montopolis (0.8 mile) | Neighborhood Pools Big Stacy (4.7) Givens (3 miles) Govalle (1.8 miles) Little Stacy (4. 8) Martin (3.7 miles) Metz (2.7 miles) Parque Zaragoza (2.7 miles) Patterson (4.8 miles) Rosewood (3.2 miles) | Neighborhood Pools Brentwood (8.4 miles) Dottie Jordan (6.4 miles) Dove Springs (5.3 miles) Gillis (8.1 miles) Ramsey (7.1 miles) Reed (8.3 miles) Shipe (5.8 miles) West Austin (6.3 miles) Westenfield (6.6 miles) |

Deep Eddy - 401 Deep Eddy Ave, 78703

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|---|--|
| | | Bartholomew Municipal (7.2 miles) Garrison Municipal (6.3 miles) Mabel Davis Municipal (5.9 miles) Northwest Municipal (6.6 miles) |
| | Neighborhood Pools Big Stacy (4.1 miles) Gillis (3.8 miles) Little Stacy (3.5) Martin (3.7 miles) Metz (4 miles) Parque Zaragoza (4.1 miles) Ramsey (4.2 miles) Reed (2.2 miles) Rosewood (4.5 miles) West Austin (1.3 miles) Westenfield (1.1 miles) | Neighborhood Pools Brentwood (7.4 miles) Civitan (6.4 miles) Dick Nichols (8.9 miles) Dittmar (9.5 miles) Dottie Jordan (10 miles) Dove Springs (9.3 miles) Givens (6 miles) Govalle (5.7 miles) Kennemer (9.4 miles) Montopolis (6.6 miles) Murchison (6.9 miles) Patterson (5.6 miles) Shipe (5.5 miles) |

Dick Nichols - 8011 Beckett, 78749

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--------------------------------|---|
| | Garrison Municipal (4.9 miles) | Deep Eddy Municipal (9.2 miles) Mabel Davis Municipal (9.6 miles) |
| | | Neighborhood Pools Big Stacy (9.7 miles) Dittmar (5.5 mile) Dove Springs (8.9 miles) Gillis (8.9 miles) Little Stacy (10 miles) West Austin (9.7 miles) Westenfield (9.5 miles) |

Dittmar - 1009 W. Dittmar Rd. 78745

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--------------------------------|--|
| | Garrison Municipal (3.3 miles) | Mabel Davis Municipal (6.6 miles) Deep Eddy Municipal (10 miles) |
| | | Neighborhood Pools Big Stacy (6.6 miles) Dick Nichols (5.5 miles) Dove Springs (5.6 miles) Gillis (6 miles) Little Stacy (7 miles) Martin (9.7 miles) Metz (9.8 miles) Montopolis (9.6 miles) Parque Zaragoza (9.9 miles) West Austin (9.2 miles) |

Dottie Jordan - 2803 Loyola Dr. 78723

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|
| | Bartholomew Municipal (2.3 miles) | Deep Eddy Municipal (8.6 miles) Northwest Municipal (6.4 miles) Walnut Creek Municipal (7.9 miles) Mabel Davis (9.8 miles) |
| | Neighborhood Pools Givens (3.3 miles) Govalle (4.5 miles) Patterson (3.4 miles) Rosewood (4.8 miles) Shipe (5 miles) | Neighborhood Pools Balcones (9.1 miles) Big Stacy (9.3 miles) Brentwood (5.5 miles) Civitan (6.4 miles) Gillis (10 miles) Kennemer (5.4 miles) Little Stacy (9.2 miles) Martin (7 miles) Metz (6 miles) Montopolis (7.1 miles) |
| | | Neighborhood Pools Murchison (7.9 miles) Parque Zaragoza (5.1 miles) Ramsey (5.5 miles) Reed (8.4 miles) West Austin (7.5 miles) Westenfield (7.7 miles) |

Dove Springs - 5701 Ainez Dr. 78744

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|---|---|
| | Garrison Municipal (4.7 miles) Mabel Davis Municipal (3.1 miles) | Deep Eddy Municipal (8.9 miles) |
| | Neighborhood Pool Big Stacy (4.5 miles) Montopolis (4.6 miles) | Neighborhood Pools Civitan (5.5 miles) Dittmar (5.7 miles) Gillis (5.4 miles) Givens (8.1 miles) Govalle (6.8 miles) Little Stacy (5.6 miles) Martin (5.9 miles) Metz (6.9 miles) Parque Zaragoza (7.8 miles) Patterson (9.5 miles) Rosewood (8.3 miles) Shipe (10 miles) West Austin (9.1 miles) |
| | | West Enfield (9.3 miles) |

Garrison - 6001 Manchaca Rd. 78745

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|---|--|
| | Mabel Davis Municipal (4.8 miles) | Deep Eddy Municipal (6.5 miles) |
| | Neighborhood Pools Big Stacy (4.8 miles) Dick Nichols (4.9 miles) Dittmar (3.3 miles) Gillis (4.1 miles) | Neighborhood Pools Civitan (10 miles) Govalle (9.8 miles) Little Stacy (5.5 miles) Martin (7.2 miles) Metz (8.3 miles) Montopolis (7.9 miles) Parque Zaragoza (9.1 miles) Ramsey (8.7 mile) Reed (8.8 miles) Rosewood (9.4 miles) West Austin (6 miles) Westenfield (6.9 miles) |

Gillis - 2504 Durwood, 78704

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|
| | Deep Eddy Municipal (4 miles) Garrison Municipal (4.1 miles) Mabel Davis Municipal (2.4 miles) | Bartholomew Municipal (7.9 miles) Northwest Municipal (9.3 miles) |
| Neighborhood Pools Big Stacy (1 mile) | Neighborhood Pools Little Stacy (1.6 miles) Martin Pool (3.3 miles) Metz (4.3 miles) Montopolis (4.6 miles) Parque Zaragoza (4.5 miles) Rosewood (4.5 miles) West Austin (3.4 miles) Westenfield (4.3 miles) | Neighborhood Pools Brentwood (10 miles) Civitan (5.3 miles) Dick Nichols (8.8 miles) Dittmar (6 miles) Dottie Jordan (10 miles) Dove Springs (5.3 miles) Givens (7 miles) Govalle (5.9 miles) Murchison (9.7 miles) Patterson (6.7 miles) Ramsey (6.3 miles) Reed (6.1 miles) Shipe (7 miles) |

Givens - 3811 E. 12th St. 78721

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|
| | Bartholomew Municipal (2.4 miles) | Deep Eddy Municipal (5.9 miles) Mabel Davis Municipal (7.1 miles) Northwest Municipal (7.2 miles) |
| | Neighborhood Pools Civitan (3 miles) Dottie Jordan (3.3 miles) Govalle (1.4 miles) Martin (3.6 miles) Metz (2.7 miles) Montopolis (3.4 miles) Parque Zaragoza (1.9 miles) Patterson (2.5 miles) Ramsey (4.9 miles) Rosewood (1.7 miles) Shipe (3.6 miles) West Austin (4.6 miles) | Neighborhood Pools Big Stacy (6.2 miles) Brentwood (6.2 miles) Dove Springs (9.5 miles) Gillis (6.1 miles) Kennemer (7.9 miles) Little Stacy (5.7 miles) Murchison (10 miles) Reed (6.5 miles) |
| | Westenfield (5 miles) | |

Govalle - 5200 Bolm Rd. 78721

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away | |
|--|-----------------------------------|-----------------------------------|--|
| | Bartholomew Municipal (3.7 miles) | Deep Eddy Municipal (5.7 miles) | |
| | | Garrison Municipal (9.8 miles) | |
| | | Mabel Davis Municipal (5.1 miles) | |
| | | Northwest Municipal (7.8 miles) | |
| | Neighborhood Pools | Neighborhood Pools | |
| | Big Stacy (4.9 miles) | Brentwood (6.8 miles) | |
| | Civitan (1.8 miles) | Dove Springs (6.7 miles) | |
| | Dottie Jordan (4.5 miles) | Gillis (5.9 miles) | |
| | Givens (1.4 miles) | Kennemer (8.5 miles) | |
| | Little Stacy (4.6 miles) | Murchison Pool (9.1 miles) | |
| | Martin (3 miles) | Ramsey (5.5 miles) | |
| | Metz (2 miles) | Reed (7 miles) | |
| | Montopolis (2.2 miles) | West Austin (5.2 miles) | |
| | Parque Zaragoza (1.4 miles) | Westenfield (5.6 miles) | |
| | Patterson (3.1 miles) | | |
| | Rosewood (1.8 miles) | | |
| | Shipe (4.2 miles) | | |

Kennemer - 1032 Payton Gin, 78758

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away | |
|--|------------------------------------|-----------------------------------|-----------------------------|
| | Northwest Municipal (2.9 miles) | Bartholomew Municipal (5.4 miles) | |
| | Walnut Creek Municipal (3.6 miles) | Deep Eddy Municipal (9.4 miles) | |
| | Neighborhood Pools | Neighborhood Pools | Neighborhood Pools |
| | Balcones (4.8 miles) | Canyon Vista (8.6 miles) | Parque Zaragoza (8.8 miles) |
| | Brentwood (3.2 miles) | Dottie Jordan (5.5 miles) | Patterson (5.8 miles) |
| | Murchison (4.6 miles) | Givens (7.6 miles) | Reed (7.3 miles) |
| | Ramsey (4.8 miles) | Govalle (8.2 miles) | Rosewood (7.7 miles) |
| | Shipe (4.8 miles) | Little Stacy (10 miles) | West Austin (7.8 miles) |
| | | Martin (9.4 miles) | West Enfield (7.3 miles) |
| | | Metz (9.7 miles) | |
| | . | | |

Little Stacy - 1401 Sunset Ln, 78704

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|
| | Mabel Davis (2.4 miles) Deep Eddy (4 miles) | Garrison (5.2 miles) Bartholomew (6.3 miles) Northwest (9.4 miles) |
| Neighborhood Pools Big Stacy (0.6 miles) | Neighborhood Pools Civitan (4.6 miles) Gillis (1.5 miles) Govalle (4.3 miles) Martin (1.8 miles) Metz (2.8 miles) Montopolis (3.8 miles) Parque Zaragoza (3.5 miles) Rosewood (3.7 miles) West Austin (3.3 miles) Westenfield (4.4 miles) | Neighborhood Pools Brentwood (8.4 miles) Dick Nichols (9.9 miles) Dittmar (7.4 miles) Dottie Jordan (8.7 miles) Dove Springs (5.3 miles) Givens (5.4 miles) Murchison (9.8 miles) Patterson (5.1 miles) Ramsey (6.2 miles) Reed (6.1 miles) Shipe (5.8 miles) |

Mabel Davis - 3427 Parker Ln. 78741

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|--|
| | Garrison Municipal (4.8 miles) | Deep Eddy Municipal (5.9 miles) Bartholomew Municipal (8 miles) |
| | Neighborhood Pools Big Stacy (1.7 miles) Civitan (4.9 miles) Dove Springs (3.1 miles) Gillis (2.4 miles) Little Stacy (2.6 miles) Martin (3.7 miles) Metz (3.7 miles) Montopolis (3.8 miles) Parque Zaragoza (4.4 miles) | Neighborhood Pools Dick Nichols (9.6 miles) Dittmar (6.6 miles) Givens (7.1 miles) Govalle (5.1 miles) Patterson (7 miles) Ramsey (8.5 miles) Reed (8 miles) Rosewood (5.1 miles) Shipe (7.3 miles) West Austin (5.4 miles) West Enfield (6.2 miles) |

Martin - 1626 Nash Hernandez Sr. Rd. 78702

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|--|
| | Deep Eddy Municipal (3.7 miles) Mabel Davis Municipal (3.7 miles) | Bartholomew Municipal (5.6 miles) Garrison Municipal (7.2 miles) Northwest Municipal (9.2 miles) |
| Neighborhood Pools Metz (1 mile) | Neighborhood Pools Big Stacy (2.7 miles) Civitan (3.6 miles) Gillis (3.7 miles) Givens (3.6 miles) Govalle (2.9 miles) Little Stacy (2.4 miles) Montopolis (4 miles) Parque Zaragoza (1.7 miles) Patterson (3.9 miles) Rosewood (1.8 miles) West Austin (3.3 miles) Westenfield (4.1 miles) | Neighborhood Pools Brentwood (7.9 miles) Dittmar (9.1 miles) Dottie Jordan (6.9 miles) Dove Springs (7.3 miles) Kennemer (9.4 miles) Murchison (9.5 miles) Ramsey (5.5 miles) Reed (5.7 miles) Shipe (4.8 miles) |

Metz - 2407 Canterbury, 78702

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|
| | Bartholomew Municipal (5 miles) Deep Eddy Municipal (4 miles) Mabel Davis Municipal (3.7 miles) | Garrison Municipal (8.5 miles) Northwest Municipal (8.5 miles) |
| Neighborhood Pools Parque Zaragoza (0.8 mile) Martin (1 mile) | Neighborhood Pools Big Stacy (3.3 miles) Civitan (2.6 miles) Gillis (4.3 miles) Givens (2.9 miles) Govalle (1.9 miles) Little Stacy (2.9 miles) Montopolis (3 miles) Patterson (3.6 miles) Rosewood (1.5 miles) Shipe (5 miles) West Austin (3.7 miles) Westenfield (4.4) | Neighborhood Pools Brentwood (8.3 miles) Dittmar (9.6 miles) Dottie Jordan (6 miles) Dove Springs (6.7 miles) Kennemer (9.3 miles) Murchison (9.8 miles) Ramsey (5.7 miles) Reed (6.1 miles) |

Montopolis - 1200 Montopolis Dr. 78741

| Pools that are less than or equal to 1 mile away | | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|---|
| | | Mabel Davis Municipal (3.8 miles) | Bartholomew Municipal (5.8 miles) Deep Eddy Municipal (6.6 miles) Garrison Municipal (7.9 miles) |
| Neighborhood Pools | | Neighborhood Pools | Neighborhood Pools |
| Civitan (0.8 miles) | | Big Stacy (4 miles) Dove Springs (4.7 miles) Gillis (4.6 miles) Givens (3.5 miles) Govalle (2.1 miles) Little Stacy (4.1 miles) Martin (4 miles) Metz (2.6 miles) Parque Zaragoza (3.1 miles) Rosewood (3.8 miles) | Brentwood (8.9 miles) Dittmar (9.6 miles) Dottie Jordan (6.8 miles) Patterson (5.2 miles) Ramsey (7.6 miles) Reed (8.7 miles) Shipe (6.3 miles) West Austin (6.1 miles) Westenfield (7.1 miles) |

Murchison - 3700 North Hills Dr. 78731

| Pools that are less than or equal to 1 mile away | | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|--|---|
| | | Northwest Municipal (2.9 miles) | Bartholomew Municipal (6.4 miles) Deep Eddy Municipal (6.4 miles) Walnut Creek Municipal (8.4 miles) |
| | | Neighborhood Pools | Neighborhood Pools |
| | | Brentwood (3.9 miles) Kennemer (4.3 miles) Ramsey (3.9 miles) Reed (4.5 miles) Shipe (4.7 miles) | Neighborhood Pools Big Stacy (10 miles) Gillis (9.7 miles) Givens (9.1 miles) Govalle (9.1 miles) Little Stacy (9.4 miles) Martin (9.6 miles) Metz (9.8 miles) Parque Zaragoza (9.7 miles) |

Northwest -7000 Ardath, 78757

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|---|--|
| | Bartholomew Municipal (4.9 miles) | Deep Eddy Municipal (6.6 miles) Walnut Creek Pool (7.1 miles) |
| | Neighborhood Pools Brentwood (1.3 miles) Kennemer (2.9 miles) Murchison (2.9 miles) Patterson (4.9 miles) Ramsey (2.8 miles) Shipe (3.6 miles) | Neighborhood Pools Balcones (5.3 miles) Civitan (10 miles) Dottie Jordan (6.4 miles) Givens (7.2 miles) Reed (5.4 miles) Rosewood (7.1 miles) West Austin (6.3 miles) Westenfield (5.7 miles) |
| | | Neighborhood Pools Big Stacy (9.8 miles) Canyon Vista (9.1 miles) Gillis (9.3 miles) Govalle (7.8 miles) Little Stacy (9.6 miles) Martin (9.2 miles) Metz (8.5 miles) Parque Zaragoza (9.2 miles) |

Parque Zaragoza - 741 Pedernales St.78731

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|---|--|
| | Bartholomew Municipal (4.2 miles) Deep Eddy Municipal (4 miles) Mabel Davis Municipal (4.4 miles) | Garrison Municipal (9.2 miles) Northwest Municipal (9.2 miles) |
| Neighborhood Pools Metz (0.8 mile) Rosewood (0.7 miles) | Neighborhood Pools Big Stacy (4.2 miles) Civitan (2.6 miles) Gillis (4.5 miles) Givens (1.9 miles) Govalle (1.4 miles) Little Stacy (3.9 miles) Martin (1.7 miles) Montopolis (3 miles) Patterson (2.9 miles) West Austin (3.7 miles) Westenfield (4.2 miles) | Neighborhood Pools Brentwood (8.2 miles) Dottie Jordan (5.5) Dove Springs (7.7 miles) Kennemer (8.8 miles) Murchison (9.6 miles) Ramsey (5.1 miles) Reed (5.6 miles) |

Patterson - 4200 Brookview Rd. 78722

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|-----------------------------------|------------------------------------|
| | Bartholomew Municipal (1.6 miles) | |
| | Northwest Municipal (4.9 miles) | Deep Eddy Municipal (5.8 miles) |
| | Neighborhood Pools | Mabel Davis Municipal (7 miles) |
| | Shipe (1.3 miles) | Walnut Creek Municipal (8.2 miles) |
| | Rosewood (1.9 miles) | |
| | Givens (2.4 miles) | Neighborhood Pools |
| | Ramsey (2.6) | Balcones (10 miles) |
| | Govalle (2.9 miles) | Dove Springs (9.8 miles) |
| | Parque Zaragoza (3.2 miles) | Gillis (6.9 miles) |
| | Brentwood (3.9 miles) | Kennemer (5.3 miles) |
| | Metz (3.9 miles) | Murchison (6.1 miles) |
| | Dottie Jordan (4.3 miles) | |
| | West Austin (4.5 miles) | |
| | Civitan (4.6 miles) | |
| | Martin (4.8 miles) | |
| | Reed (4.9 miles) | |
| | Westenfield (4.9 miles) | Little Stacy (5.6 miles) |
| | Montopolis (5 miles) | Big Stacy (6.1 miles) |

Ramsey - 4201 Burnet Rd. 78756

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|-----------------------------------|------------------------------------|
| | Bartholomew Municipal (3.4 miles) | Garrison Municipal (8.7 miles) |
| | Deep Eddy Municipal (4 miles) | Mabel Davis Municipal (8.5 miles) |
| | Northwest Municipal (2.8 miles) | Walnut Creek Municipal (7.5 miles) |
| | Neighborhood Pools | Neighborhood Pools |
| | Brentwood (2.3 miles) | Balcones (8.5 miles) |
| | Givens (4.9 miles) | Big Stacy (7.5 miles) |
| | Kennemer (4.8 miles) | Civitan (7 miles) |
| | Murchison (3.9 miles) | Dottie Jordan (5.3 miles) |
| | Parque Zaragoza (5 miles) | Gillis (6.3 miles) |
| | Patterson (2.6 miles) | Govalle (5.5 miles) |
| | Reed (2.8 miles) | Little Stacy (7 miles) |
| | Rosewood (4.8 miles) | Martin (5.5 miles) |
| | Shipe (1.3 miles) | Metz (6.1 miles) |
| | West Austin (3.3 miles) | Montopolis (7.6 miles) |
| | Westenfield (3.3 miles) | |

Reed - 2600 Pecos St. 78703

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away | |
|--|---|---|--|
| | Bartholomew Municipal (5.7 miles) Deep Eddy Municipal (2.2 miles) Northwest Municipal (4.9 miles) | Garrison Municipal (8.5 miles) Mabel Davis Municipal (7.9 miles) | |
| | Neighborhood Pools Brentwood (3.6 miles) Murchison (4.4 miles) Patterson (4.9 miles) Ramsey (2.6 miles) Rosewood (5 miles) Shipe (3.6 miles) West Austin (2.5 miles) Westenfield (1.7 miles) | Neighborhood Pools Brentwood 5.7 miles) Dottie Jordan (8.1 miles) Gillis (6 miles) Givens (6.3 miles) Little Stacy (6 miles) Martin (5.9 miles) Metz (6.2 miles) Parque Zaragoza (5.9 miles) | Neighborhood Pools Balcones (8.2 miles) Balcones (9.7 miles) Big Stacy (6.6 miles) Canyon Vista (8.7 miles) Civitan (9.8 miles) Govalle (6.9 miles) Kennemer (7.7 miles) Montopolis (8.6 miles) |

Rosewood - 1182 Pleasant Valley, 78702

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away | |
|---|---|---|--|
| | Bartholomew (3.7 miles) Deep Eddy (4.3 miles) | Garrison (9.5 miles) Mabel Davis (5.1 miles) Northwest (8.4 miles) | |
| Neighborhood Pools Parque Zaragoza (1 mile) | Neighborhood Pools Big Stacy (4.2 miles) Civitan (3.3 miles) Dottie Jordan (4.8 miles) Givens (1.8 miles) Govalle (1.8 miles) Little Stacy (4.3 miles) Martin (2.1 miles) Metz (1.7 miles) Montopolis (3.7 miles) Patterson (1.9 miles) Ramsey (4 miles) Reed (5 miles) Shipe (3.5 miles) West Austin (3 miles) Westenfield (3.7 miles) | Neighborhood Pools Brentwood (6.4 miles) Dove Springs (9 miles) Gillis (5.4 miles) Kennemer (7.6 miles) Murchison (8.2 miles) | |

Shipe - 4400 Avenue G, 78751

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|---------------------------------------|-----------------------------------|
| | Bartholomew (2.7 miles) | Deep Eddy Municipal (5.5 miles) |
| | Northwest Municipal (3.6 miles) | Mabel Davis Municipal (7.3 miles) |
| | Neighborhood Pools | Walnut Creek (7.8 miles) |
| | Big Stacy (6.3 miles) | Neighborhood Pools |
| | Brentwood (3 miles) | Balcones (9.4 miles) |
| | Dottie Jordan (5 miles) | Big Stacy (6.3 miles) |
| | Givens (3.6 miles) | Civitan (5.8 miles) |
| | Govalle (4.2 miles) | Dove Springs (10 miles) |
| | Kennemer (4.8 miles) | Gillis (7 miles) |
| | Little Stacy (5.8 miles) | Montopolis (6.3 miles) |
| | Martin (4.8 miles) | |
| | Metz (5 miles) | |
| | Murchison (4.7 miles) | |
| | Parque Zaragoza (4.3 miles) | |
| | Patterson (1.3 miles) | |
| | Ramsey (1.3 miles) | |
| | Reed (3.8 miles) Rosewood (3.4 miles) | |
| | West Austin (4 miles) | |
| | Westenfield (4.3 miles) | |

Springwoods - 13340 Lyndhurst St. 78729

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|----------------------------|-----------------------------|
| | | Walnut Creek (9.1 miles) |
| | | |
| | | Neighborhood Pools |
| | | Canyon Vista (5.5 miles) |
| | | Balcones (7.6 miles) |

Walnut Creek - 12138 N. Lamar, 78758

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|
| | | Northwest (6.3 miles) Bartholomew (8.3 miles) Springwoods Pool (9.1 miles) |
| | Neighborhood Pools | Neighborhood Pools |
| | Balcones (3.6 miles) Kennemer (3.6 miles) | Brentwood (6.1 miles) Ramsey (7.5 miles) Patterson (8.2 miles) Big Stacy (8.3 miles) Murchison (8.4 miles) Canyon Vista (8.7 miles) Shipe (9.3 miles) |

Westenfield - 2008 Enfield Rd. 78703

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|--|---|
| West Austin Pool (1 mile) | Deep Eddy Municipal (1.1 miles) | Bartholomew (5.9 miles) Garrison Municipal (6.9 miles) Mabel Davis Municipal (6.2 miles) Northwest Municipal (5.7 miles) |
| | Neighborhood Pools | Neighborhood Pools |
| | Big Stacy (4.6 miles) Gillis (4.3 miles) Givens (5 miles) Martin (4.1 miles) Metz (4.4 miles) Parque Zaragoza (4.2 miles) Patterson (4.9 miles) Ramsey (3.3 miles) Reed (1.7 miles) Rosewood (3.4 miles) Shipe (4.1 miles) Stacy Wading (3.9 miles) | Brentwood (5.6 miles) Civitan (6.6 miles) Dich Nichols (9.5 miles) Dittmar (9.7 miles) Dottie Jordan (7.7 miles) Dove Springs (9.8 miles) Govalle (5.6 miles) Kennermer (7.3 miles) Montopolis (7.1 miles) Murchison (5.1 miles) |

West Austin - 1317 W. 10th St. 78703

| Pools that are less than or equal to 1 mile away | Pools 5 or less miles away | Pools 10 or less miles away |
|--|----------------------------|-----------------------------|
|--|----------------------------|-----------------------------|

West Enfield (1 mile)

Deep Eddy Municipal (1.3 miles)

Mabel Davis Municipal (5.4 miles)
Bartholomew (5.6 miles)
Garrison Municipal (6 miles)
Northwest Municipal (6.3 miles)

Neighborhood Pools

Big Stacy (3.7 miles)
Gillis (4.3 miles)
Givens (4.6 miles)
Martin (3.3 miles)
Metz (3.7 miles)
Parque Zaragoza (3.2 miles)
Patterson (4.5 miles)
Ramsey (3.3 miles)
Reed (2.5 miles)
Rosewood Pool (3.3)
Shipe (4.3 miles)
Stacy Wading (3.1 miles)

Neighborhood Pools

Brentwood (5.7 miles)
Civitan (6.3 miles)
Dick Nichols (9.7 miles)
Dittmar (9.2 miles)
Dottie Jordan (7.5 miles)
Dove Springs (9.1 miles)
Govalle (5.2 miles)
Kennemer (7.8 miles)
Montopolis (6.1 miles)
Murchison (6.5 miles)

Appendix B4

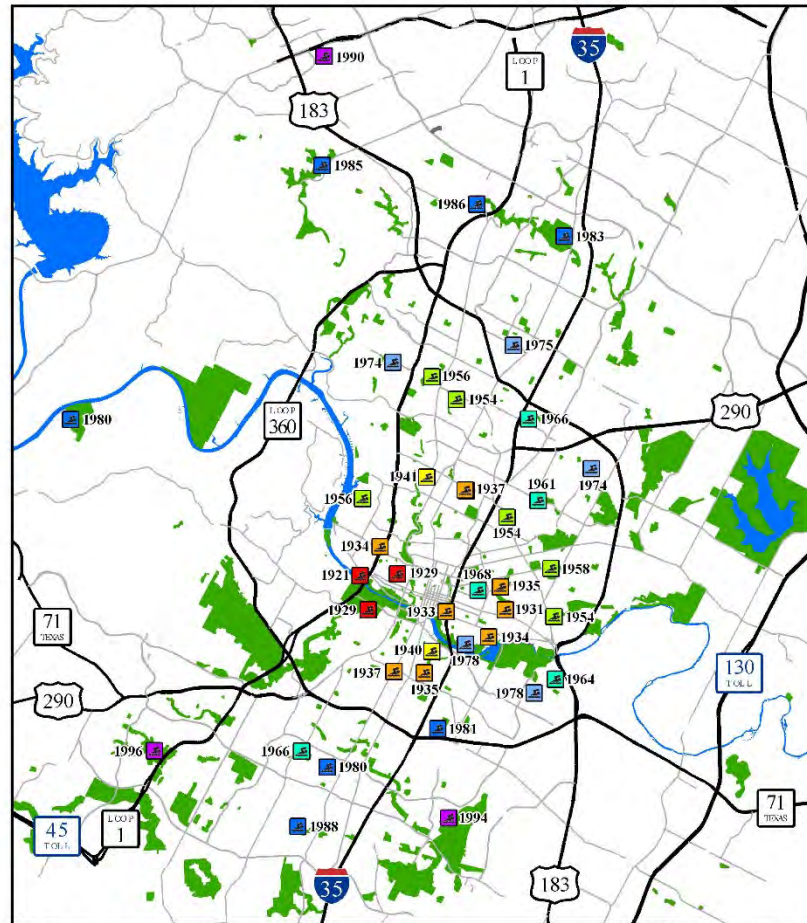
Presentation

City of Austin Aquatic Master Plan Task Force

October 16, 2017



Historical and Cultural Importance



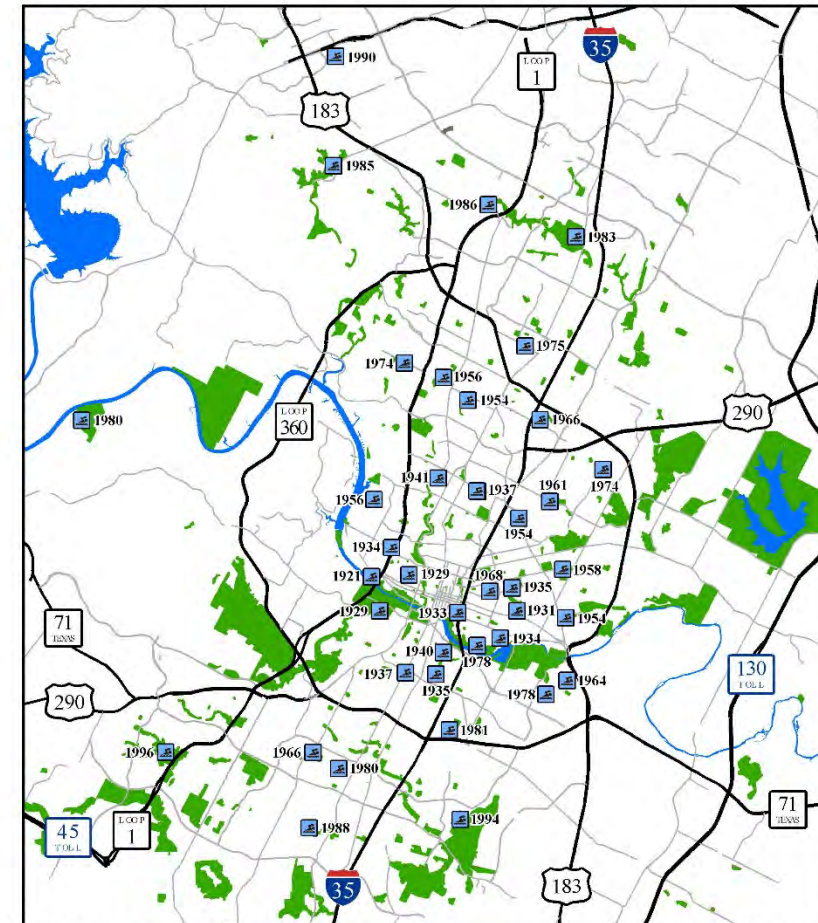
PARD Pools:
Locations and Dates



Legend



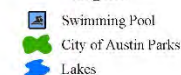
11 October 2017 hardya
This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. This product has been produced by the Parks and Recreation Department for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.



PARD Pools:
Locations and Dates



Legend



11 October 2017 hardya
This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. This product has been produced by the Parks and Recreation Department for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.

Historical and Cultural Importance

It was assigned and released to Alder July 22.

Negro Swimming Pool Site Chosen

Rosewood Park

Purchase of the Huppert home, 401 on Rosewood Avenue for use as a negro park and swimming pool will be formally completed by the city council Thursday morning at the regular session. Members of the council said Wednesday afternoon. The new negro park site will cost the city \$11,500 and it is being purchased through Charles Woodland Jr., of Carl Woodland & Sons. The city exercised an option on the site Tuesday but the purchase will not be ratified until Thursday morning. Aside from this, the council will likely consider only routine matters according to Councilman Jack Mueller.

Property purchase for Rosewood American Statesman 19xx

Council Buys Park for Negroes

The Charles Huppert home, 401 on Rosewood Avenue, which is to be purchased by the city and converted into a park for negroes, Mayor F. W. McRae said yesterday. The mayor said the members of the council, individually, have approved the payment of \$11,500 for the property. The transaction will be officially approved at the Thursday meeting of the council. According to the mayor, and City Manager Adam Johnson will be instructed to complete the negotiations.

Mr. Johnson said that Charles Woodland, agent, was notified Tuesday that the city would take the property; the day the option on it was to expire. Money for the purchase will be taken from the city's available funds and returned when the first installment of the \$100,000 park bonds is sold. The bonds may be sold about October, Mr. Johnson said.

Excerpt from 1928 Austin Master Plan

In our studies in Austin we have found that the negroes are present in small numbers in practically all sections of the city, excepting the area just east of East Avenue and south of the City Cemetery. This area seems to be all negro population. It is our recommendation that the nearest approach to the solution of the race segregation problem will be the recommendation of this district as a negro district; and that all facilities and conveniences be provided the negroes in this district as an incentive to draw the negro population to this area. This will eliminate the necessity of duplication of white and black schools, white and black parks, and other duplicate facilities for this area. We are recommending that sufficient area be acquired adjoining the negro high school to provide adequate space for a complete negro play-field in connection with the negro high school. We further recommend that the negro schools in this area be provided with ample and adequate play ground space and facilities similar to the white schools of the city.

A very important addition to the Recreation Department during 1931 was the acquisition of Zaragoza Park for the Mexicans. This park contains 9.52 acres located in the eastern part of the city, and when fully developed will be one of the most attractive parks in the city. There are two concrete tennis courts, which are also used as dance pavilions, a band stand, comfort stations and a full-sized athletic field located on this park.

1931 Acquisition of Parque Zaragoza

Historical and Cultural Importance

Preservation Austin:

- Eligible designation – 50 year plus
- City of Austin Historic Districts
- Secretary of Interior's National Criteria for Evaluation
- Designated Historic resources
 - Barton Springs Pool
 - Deep Eddy
- Some pools are 'contributing resources' such as Shipe and West Austin
- Additional Criteria merits designation
- Historic Preservation: A Planning Tool
-

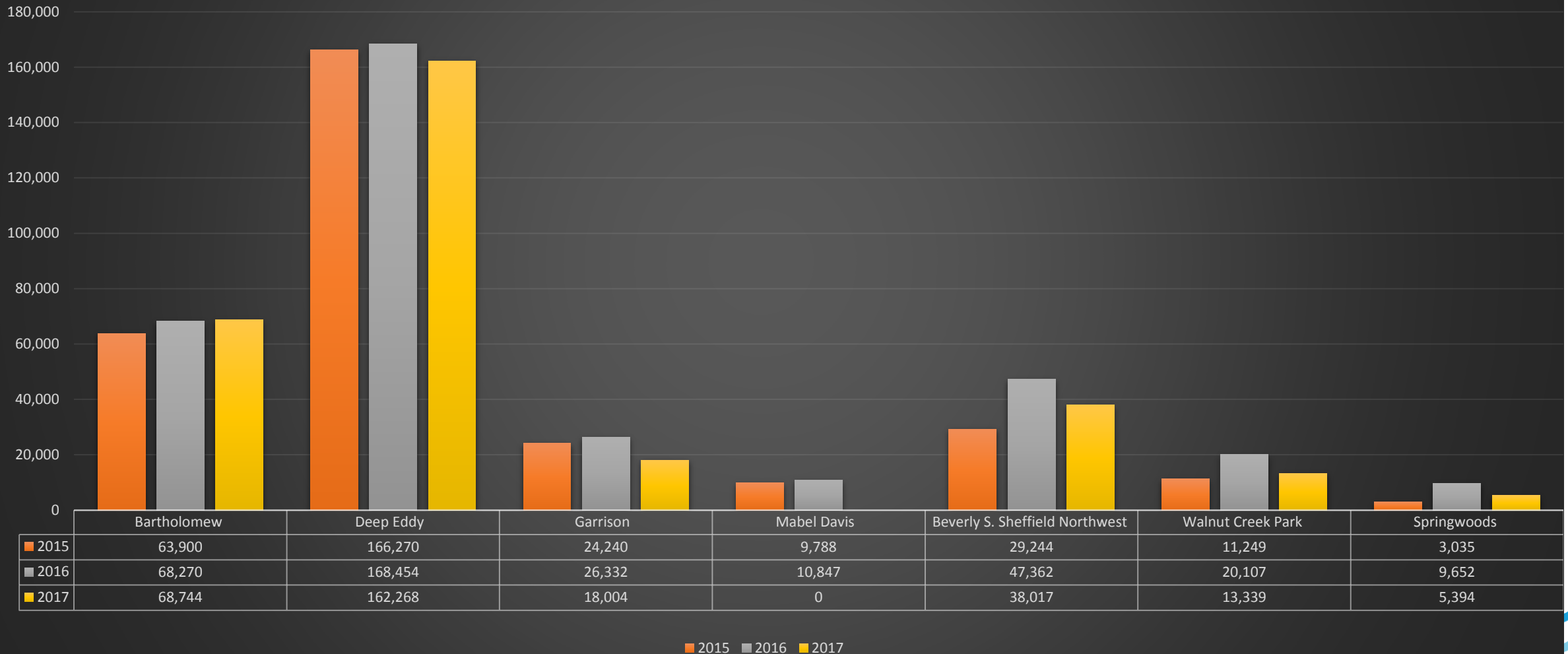
Geographic and Attendance Information

| Pool Name | Balcones | Bartholomew | Big Stacy | Brentwood | Canyon Vista | Civitan | Deep Eddy | Dick Nichols | Dittmar | Dottie Jordan | Dove Springs | Garrison | Gillis | Givens | Govalle | Kenemer | Little Stacy | Mabel Davis | Martin | Metz | Montopolis | Murchison | Northwest | Parque Zaragoza | Patterson | Ramsey | Reed | Rosewood | Shipe |
|-----------------|----------|-------------|-----------|-----------|--------------|---------|-----------|--------------|---------|---------------|--------------|----------|--------|--------|---------|---------|--------------|-------------|--------|------|------------|-----------|-----------|-----------------|-----------|--------|------|----------|-------|
| Balcones | 0 | 10.2 | 14.5 | 6.8 | 4.6 | 16.1 | 10.9 | 19.3 | 20.3 | 21 | 19.5 | 16.6 | 14.1 | 13.1 | 15.2 | 4.8 | 11.9 | 16.2 | 14 | 12.9 | 16.4 | 6.2 | 5.3 | 14 | 10.4 | 8.5 | 9.7 | 13.4 | 9.5 |
| Bartholomew | 10 | 0 | 7.1 | 4 | 12.8 | 6.7 | 6.8 | 16.9 | 15.3 | 2.3 | 11.4 | 11.9 | 7.4 | 2.4 | 3.7 | 5.4 | 6.6 | 8 | 5.3 | 5.3 | 5.7 | 6.4 | 4.9 | 3.9 | 1.8 | 3.4 | 6.1 | 3.2 | 2.7 |
| Big Stacy | 12.3 | 6.9 | 0 | 9.5 | 20.7 | 4.7 | 4.1 | 10.8 | 6.6 | 9.3 | 4.5 | 4.8 | 1 | 6.2 | 4.9 | 10.6 | 0.6 | 1.7 | 2.7 | 3.3 | 4 | 10 | 9.8 | 4.2 | 6.1 | 7.5 | 6.3 | 4.4 | 6.3 |
| Brentwood | 6.4 | 4.1 | 9.5 | 0 | 9.9 | 8.5 | 6.5 | 15 | 16.7 | 5 | 14.1 | 12.3 | 9.8 | 6.3 | 6.9 | 3.2 | 8.9 | 14.4 | 7.8 | 8 | 8.9 | 3.5 | 1.3 | 7.6 | 4.1 | 2.3 | 5.1 | 7.1 | 3 |
| Canyon Vista | 5.1 | 13.2 | 17.4 | 9.9 | 0 | 17.9 | 13.2 | 20.9 | 21.7 | 13.1 | 22.5 | 18.3 | 17.1 | 15.6 | 16.2 | 8.6 | 16.9 | 19.2 | 17 | 17.3 | 18.2 | 6.7 | 9.1 | 16.9 | 13.4 | 11.3 | 11.8 | 16.4 | 12.5 |
| Civitan | 14.8 | 5.6 | 4.7 | 8.4 | 17.3 | 0 | 6.5 | 15 | 11.8 | 6.4 | 5.3 | 9.5 | 8.1 | 3 | 1.8 | 10.2 | 4.8 | 4.9 | 3.7 | 2.7 | 0.8 | 14.4 | 9.7 | 2.7 | 4.8 | 7.1 | 8.3 | 3.2 | 5.8 |
| Deep Eddy | 11.5 | 7.2 | 4.1 | 7.4 | 14 | 6.4 | 0 | 8.9 | 9.5 | 10 | 9.3 | 6.3 | 3.8 | 6 | 5.7 | 9.4 | 3.5 | 5.9 | 3.7 | 4 | 6.6 | 6.9 | 6.6 | 4.1 | 5.6 | 4.2 | 2.2 | 4.5 | 5.5 |
| Dick Nichols | 19.5 | 15.5 | 9.7 | 15.3 | 20.5 | 14.6 | 9.2 | 0 | 5.5 | 19 | 8.9 | 4.9 | 8.9 | 14.4 | 14 | 18.4 | 10 | 9.6 | 12 | 12.3 | 12.8 | 14.9 | 14.8 | 12.7 | 14.1 | 13 | 11.5 | 13 | 14 |
| Dittmar | 20.3 | 12.6 | 6.6 | 15.3 | 22.7 | 10.7 | 10 | 5.5 | 0 | 15.9 | 5.6 | 3.3 | 6 | 11.7 | 11.9 | 16.3 | 7 | 6.6 | 9.7 | 9.8 | 9.6 | 14.6 | 15.8 | 9.9 | 11.6 | 13.2 | 12.3 | 10.3 | 12.5 |
| Dottie Jordan | 9.1 | 2.3 | 9.3 | 5.5 | 12.5 | 6.4 | 8.6 | 19.8 | 15.7 | 0 | 11.5 | 13.7 | 10 | 3.3 | 4.5 | 5.4 | 9.2 | 9.8 | 7 | 6 | 7.1 | 7.9 | 6.4 | 5.1 | 3.4 | 5.5 | 8.4 | 4.8 | 5 |
| Dove Springs | 19 | 10.7 | 4.5 | 13.4 | 21.5 | 5.5 | 8.9 | 9.3 | 5.7 | 12.3 | 0 | 4.7 | 5.4 | 8.1 | 6.8 | 14.4 | 5.6 | 3.1 | 5.9 | 6.9 | 4.6 | 14.5 | 15.7 | 7.8 | 9.5 | 11.2 | 11 | 8.3 | 10 |
| Garrison | 16.7 | 11.8 | 4.8 | 12.6 | 17.7 | 10 | 6.5 | 4.9 | 3.3 | 14.6 | 4.7 | 0 | 4.1 | 12.4 | 9.8 | 15.5 | 5.5 | 4.8 | 7.2 | 8.3 | 7.9 | 12.1 | 12 | 9.1 | 10.8 | 8.7 | 8.8 | 9.4 | 11.2 |
| Gillis | 14.2 | 7.9 | 1 | 10 | 16.7 | 5.3 | 4 | 8.8 | 6 | 10 | 5.3 | 4.1 | 0 | 7 | 5.9 | 11.7 | 1.6 | 2.4 | 3.3 | 4.3 | 4.6 | 9.7 | 9.3 | 4.5 | 6.7 | 6.3 | 6.1 | 4.5 | 7 |
| Givens | 12.5 | 2.4 | 6.2 | 6.2 | 15 | 3 | 5.9 | 14.4 | 12.4 | 3.3 | 9.5 | 10.9 | 6.1 | 0 | 1.4 | 7.9 | 5.7 | 7.1 | 3.6 | 2.7 | 3.4 | 10 | 7.2 | 1.9 | 2.5 | 4.9 | 6.5 | 1.7 | 3.6 |
| Govalle | 13 | 3.7 | 4.9 | 6.8 | 15.6 | 1.8 | 5.7 | 15 | 12.9 | 4.5 | 6.7 | 9.8 | 5.9 | 5.9 | 0 | 8.5 | 4.6 | 5.1 | 3 | 2 | 2.2 | 9.1 | 7.8 | 1.4 | 3.1 | 5.5 | 7 | 1.8 | 4.2 |
| Kenemer | 4.8 | 5.4 | 10.3 | 3.2 | 8.6 | 10.2 | 9.4 | 18.5 | 18 | 5.5 | 15 | 15.4 | 11.6 | 7.6 | 8.2 | 0 | 10 | 11.6 | 9.4 | 9.7 | 10.6 | 4.6 | 2.9 | 8.8 | 5.8 | 4.8 | 7.3 | 7.7 | 4.8 |
| Little Stacy | 14.4 | 6.3 | 0.6 | 8.4 | 16.8 | 4.6 | 4 | 9.9 | 7.4 | 8.7 | 5.3 | 5.2 | 1.5 | 5.4 | 4.3 | 10 | 0 | 2.4 | 1.8 | 2.8 | 3.8 | 9.8 | 9.4 | 3.5 | 5.1 | 6.2 | 6.1 | 3.7 | 5.8 |
| Mabel Davis | 16.2 | 8 | 1.7 | 14.4 | 19.2 | 4.9 | 5.9 | 9.6 | 6.6 | 10.6 | 3.1 | 4.8 | 2.4 | 7.1 | 5.1 | 11.5 | 2.6 | 0 | 3.7 | 3.7 | 3.8 | 11.6 | 11.6 | 4.4 | 7 | 8.5 | 8 | 5.1 | 7.3 |
| Martin | 14 | 5.6 | 2.7 | 7.9 | 16.4 | 3.6 | 3.7 | 12.2 | 9.1 | 6.9 | 7.3 | 7.2 | 3.7 | 3.6 | 2.9 | 9.4 | 2.4 | 3.7 | 0 | 1 | 4 | 9.5 | 9.2 | 1.7 | 3.9 | 5.5 | 5.7 | 1.8 | 4.8 |
| Metz | 14.2 | 5 | 3.3 | 8.3 | 16.7 | 2.6 | 4 | 12.5 | 9.6 | 6 | 6.7 | 8.5 | 4.3 | 2.9 | 1.9 | 9.3 | 2.9 | 3.7 | 1 | 0 | 3 | 9.8 | 8.5 | 0.8 | 3.6 | 5.7 | 6.1 | 1.5 | 5 |
| Montopolis | 14.2 | 5.8 | 4 | 8.9 | 18.9 | 0.8 | 6.6 | 12.8 | 9.6 | 6.8 | 4.7 | 7.9 | 4.6 | 3.5 | 2.1 | 10.6 | 4.1 | 3.8 | 4 | 2.6 | 0 | 12.4 | 10.1 | 3.1 | 5.2 | 7.6 | 8.7 | 3.8 | 6.3 |
| Murchison | 6.1 | 6.4 | 10 | 3.9 | 6.8 | 14.2 | 6.4 | 14.8 | 15.1 | 7.7 | 15.1 | 12.1 | 9.7 | 9.1 | 9.1 | 4.3 | 9.4 | 11.6 | 9.6 | 9.8 | 14.6 | 0 | 2.9 | 9.7 | 6.3 | 3.9 | 4.5 | 9 | 4.7 |
| Northwest | 5.3 | 4.9 | 9.8 | 1.3 | 9.1 | 10 | 6.6 | 15.3 | 16.6 | 6.4 | 14.8 | 12.6 | 9.3 | 7.2 | 7.8 | 2.9 | 9.6 | 11.4 | 9.2 | 8.5 | 10.4 | 2.9 | 0 | 9.2 | 4.9 | 2.8 | 5.4 | 7.1 | 3.6 |
| Parque Zaragoza | 13.8 | 4.2 | 4.2 | 8.2 | 16.3 | 2.6 | 4 | 13 | 10.5 | 5.5 | 7.7 | 9.2 | 4.5 | 1.9 | 1.4 | 8.8 | 3.9 | 4.4 | 1.7 | 0.8 | 3 | 9.6 | 9.2 | 0 | 2.9 | 5.1 | 5.6 | 0.7 | 4.3 |
| Patterson | 10 | 1.6 | 6.1 | 3.9 | 12.7 | 4.6 | 5.8 | 14.3 | 12.3 | 4.3 | 9.8 | 10.8 | 6.9 | 2.4 | 2.9 | 5.3 | 5.6 | 7 | 4.8 | 3.9 | 5 | 6.1 | 4.9 | 3.2 | 0 | 2.6 | 4.9 | 1.9 | 1.3 |
| Ramsey | 8.5 | 3.4 | 7.5 | 2.3 | 10.9 | 7 | 4 | 13 | 13.7 | 5.3 | 11.9 | 8.7 | 6.3 | 4.9 | 5.5 | 4.8 | 7 | 8.5 | 5.5 | 6.1 | 7.6 | 3.9 | 2.8 | 5 | 2.6 | 0 | 2.8 | 4.8 | 1.3 |
| Reed | 8.2 | 5.7 | 6.6 | 5.7 | 8.7 | 9.8 | 2.2 | 11.4 | 11.8 | 8.1 | 11.5 | 8.5 | 6 | 6.3 | 6.9 | 7.7 | 6 | 7.9 | 5.9 | 6.2 | 8.6 | 4.4 | 4.9 | 5.9 | 4.9 | 2.6 | 0 | 5 | 3.6 |
| Rosewood | 13.3 | 3.7 | 4.2 | 6.4 | 15.8 | 3.3 | 4.3 | 13 | 11 | 4.8 | 9 | 9.5 | 5.4 | 1.8 | 1.8 | 7.6 | 4.3 | 5.1 | 2.1 | 1.7 | 3.7 | 8.2 | 8.4 | 1 | 1.9 | 4 | 5 | 0 | 3.5 |
| Shipe | 9.4 | 2.7 | 6.3 | 3 | 11.8 | 5.8 | 5.5 | 14 | 12.5 | 5 | 10 | 11.1 | 7 | 3.6 | 4.2 | 4.8 | 5.8 | 7.3 | 4.8 | 5 | 6.3 | 4.7 | 3.6 | 4.3 | 1.3 | 1.3 | 3.8 | 3.4 | 0 |
| Springswood | 7.6 | 15.6 | 20.7 | 13.2 | 5.5 | 21.4 | 16.3 | 24.7 | 26.1 | 15.6 | 25 | 22.1 | 21.6 | 18 | 18.6 | 11.1 | 20 | 21.6 | 19.5 | 19.7 | 22.1 | 11.6 | 11.8 | 19.3 | 15.8 | 16 | 15.1 | 18.9 | 16.3 |
| Walnut Creek | 3.6 | 8.3 | 8.3 | 6.1 | 8.7 | 13.2 | 13.4 | 22 | 19 | 8.6 | 18 | 18.1 | 14.2 | 10.7 | 11.2 | 3.6 | 13 | 14.6 | 12.5 | 12.7 | 13.6 | 8.4 | 6.3 | 12.3 | 8.2 | 7.5 | 12.3 | 11.9 | 9.3 |
| Westenfield | 10.1 | 5.9 | 4.6 | 5.6 | 12.5 | 6.6 | 1.1 | 9.5 | 9.7 | 7.7 | 9.8 | 6.9 | 4.3 | 5 | 5.6 | 7.3 | 3.9 | 6.2 | 4.1 | 4.4 | 7.1 | 5.1 | 5.7 | 4.2 | 4.9 | 3.3 | 1.7 | 3.4 | 4.1 |
| West Austin | 10.9 | 5.6 | 3.7 | 5.7 | 13.3 | 6.3 | 1.3 | 9.7 | 9.2 | 7.5 | 9.1 | 6 | 4.3 | 4.6 | 5.2 | 7.8 | 3.1 | 5.4 | 3.3 | 3.7 | 6.1 | 6.5 | 6.3 | 3.2 | 4.5 | 3.3 | 2.5 | 3.3 | 4.3 |

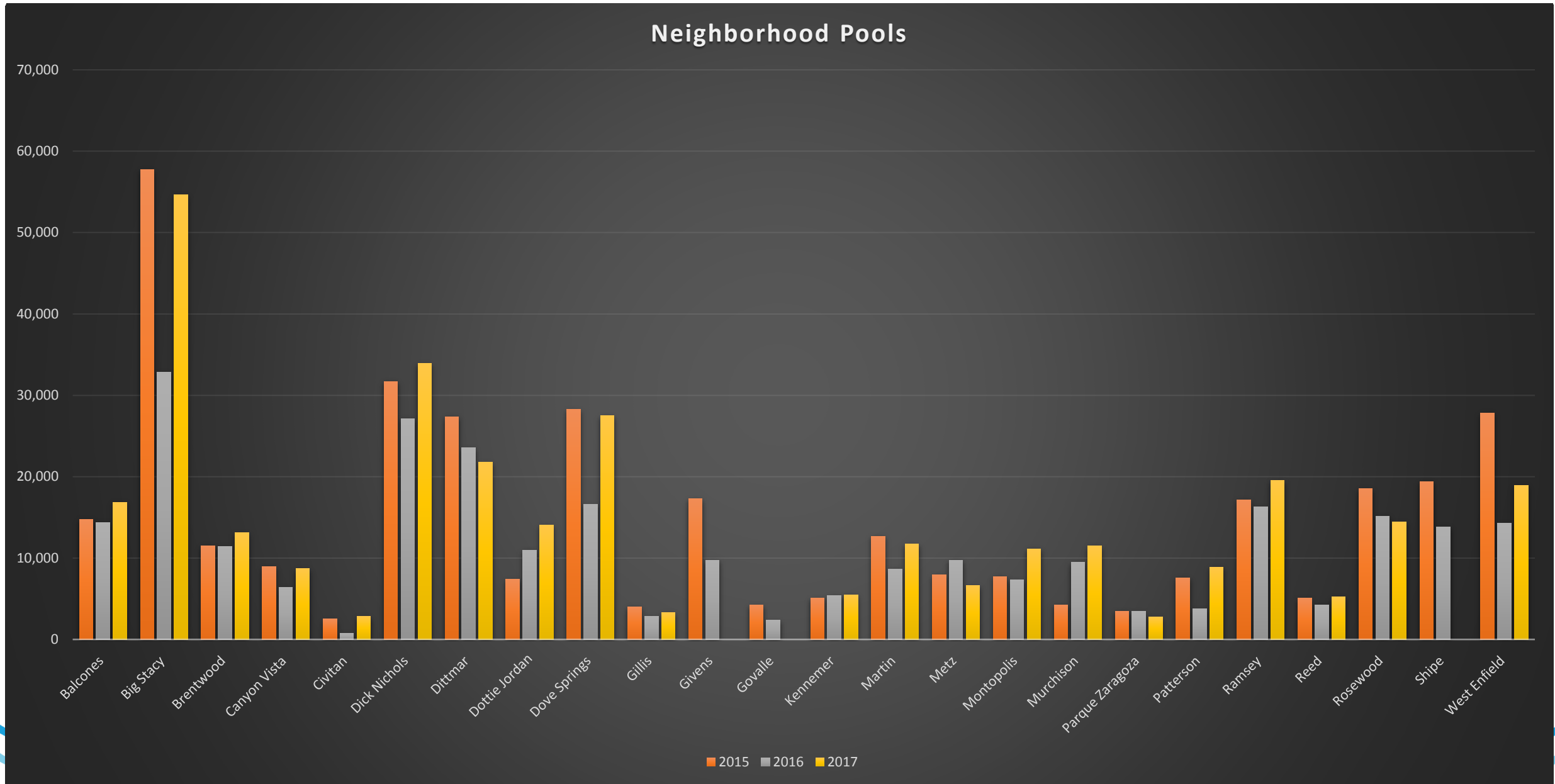
| | | | |
|-----------------------------|----------------------------|-----------------------------|---------------------|
| Pools that are less than or | Pools 5 or less miles away | Pools 10 or less miles away | reater than 10 mile |
|-----------------------------|----------------------------|-----------------------------|---------------------|

Attendance Municipal Pools

Municipal Pools



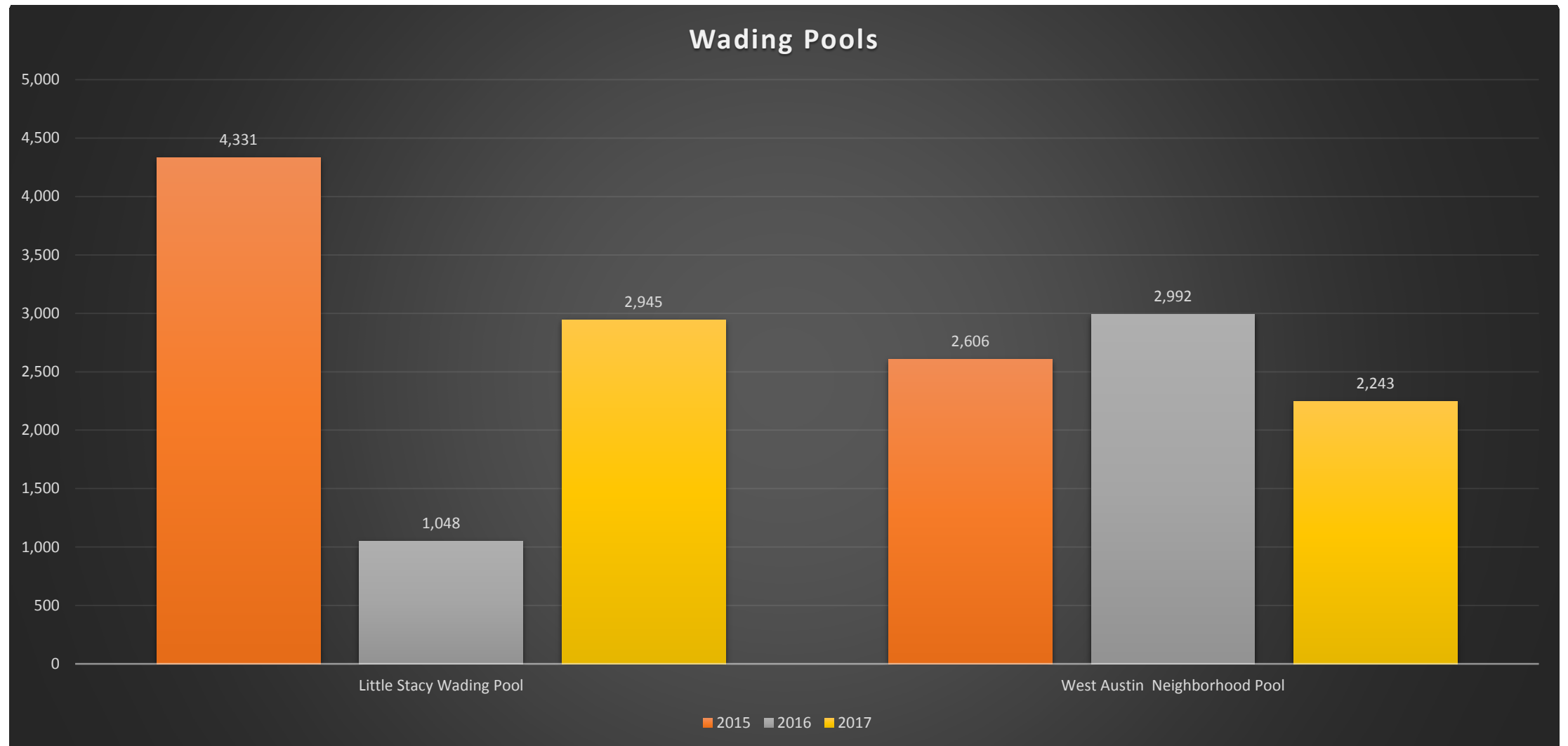
Attendance at Neighborhood Pools



Attendance

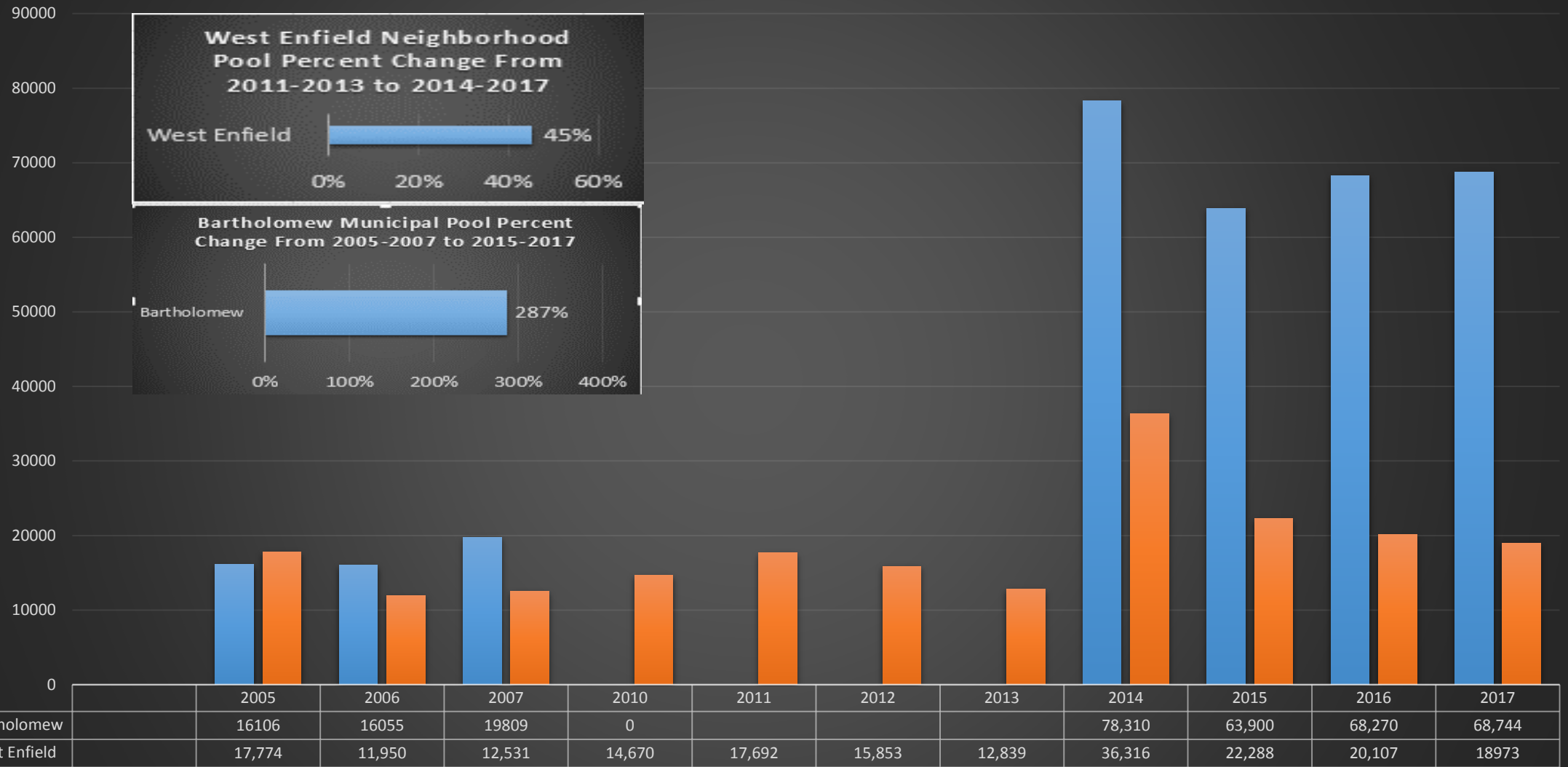
| POOL | 2015 | 2016 | 2017 |
|-----------------------------------|--------|--------|--------|
| Neighborhood Pools | | | |
| Balcones Neighborhood Pool | 14,774 | 14392 | 16863 |
| Big Stacy Neighborhood Pool | 57,737 | 32826 | 54660 |
| Brentwood Neighborhood Pool | 11,533 | 11405 | 13094 |
| Canyon Vista Neighborhood Pool | 8,960 | 6411 | 8704 |
| Civitan Neighborhood Pool | 2,508 | 782 | 2,832 |
| Dick Nichols Neighborhood Pool | 31,726 | 27142 | 33901 |
| Dittmar Neighborhood Pool | 27,401 | 23559 | 21777 |
| Dottie Jordan Neighborhood Pool | 7,391 | 10989 | 14036 |
| Dove Springs Neighborhood Pool | 28,278 | 16578 | 27495 |
| Gillis Neighborhood Pool | 4,051 | 2861 | 3326 |
| Givens Neighborhood Pool | 17,267 | 9770 | Closed |
| Govalle Neighborhood Pool | 4,243 | 2,396 | Closed |
| Kennemer Neighborhood Pool | 5,059 | 5404 | 5507 |
| Martin Neighborhood Pool | 12,703 | 8,672 | 11,731 |
| Metz Neighborhood Pool | 7,939 | 9,756 | 6,618 |
| Montopolis Neighborhood Pool | 7,756 | 7,340 | 11,142 |
| Murchison Neighborhood Pool | 4,262 | 9,523 | 11,502 |
| Parque Zaragoza Neighborhood Pool | 3,497 | 3,464 | 2,748 |
| Patterson Neighborhood Pool | 7,585 | 3,753 | 8,925 |
| Ramsey Neighborhood Pool | 17,178 | 16,326 | 19,565 |
| Reed Neighborhood Pool | 5,057 | 4,269 | 5,223 |
| Rosewood Neighborhood Pool | 18,505 | 15,182 | 14,446 |
| Shipe Neighborhood Pool | 19,429 | 13,866 | Closed |
| West Enfield Neighborhood Pool | 27,850 | 14,288 | 18,973 |

Attendance at Wading Pools



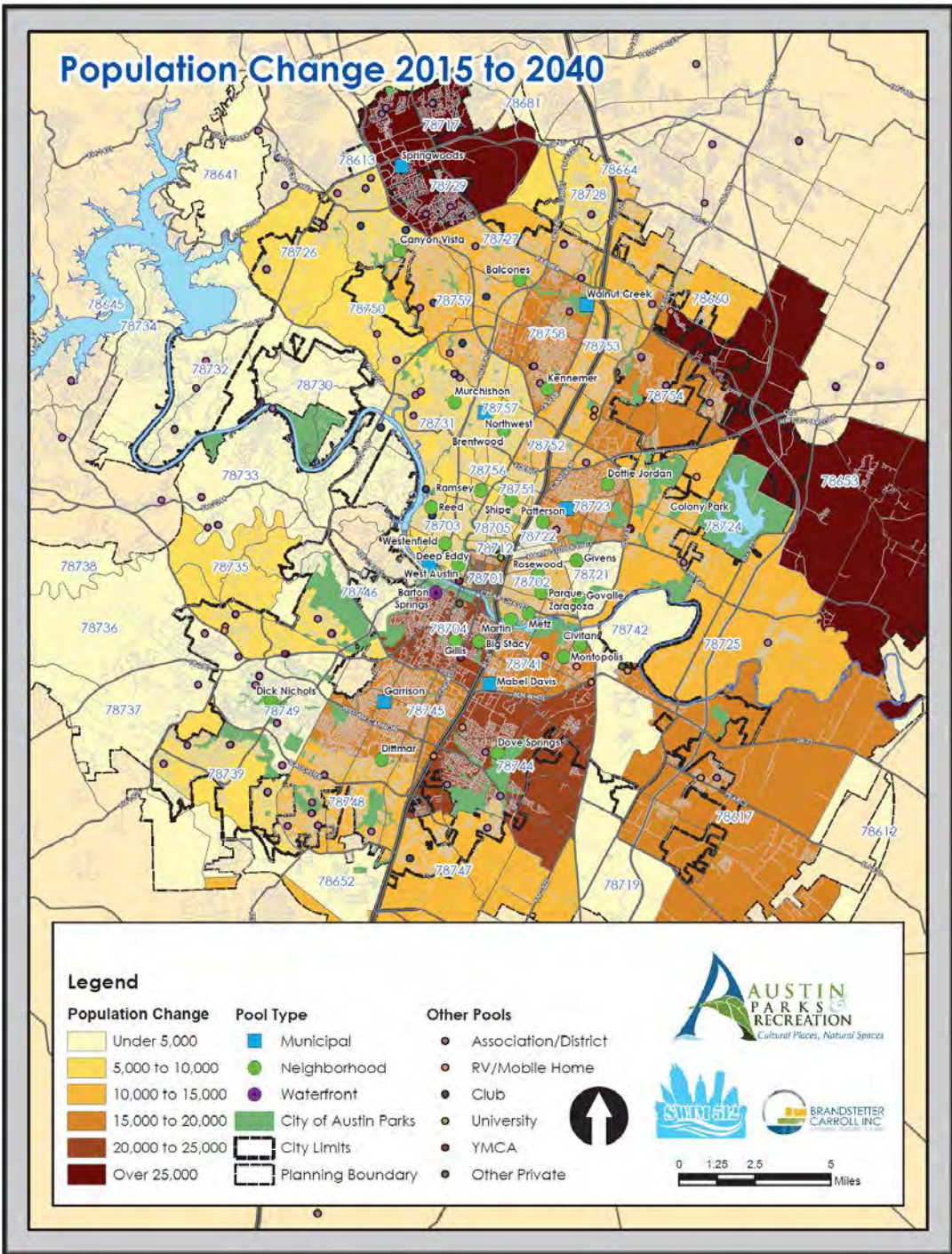
Attendance Before and After Renovations

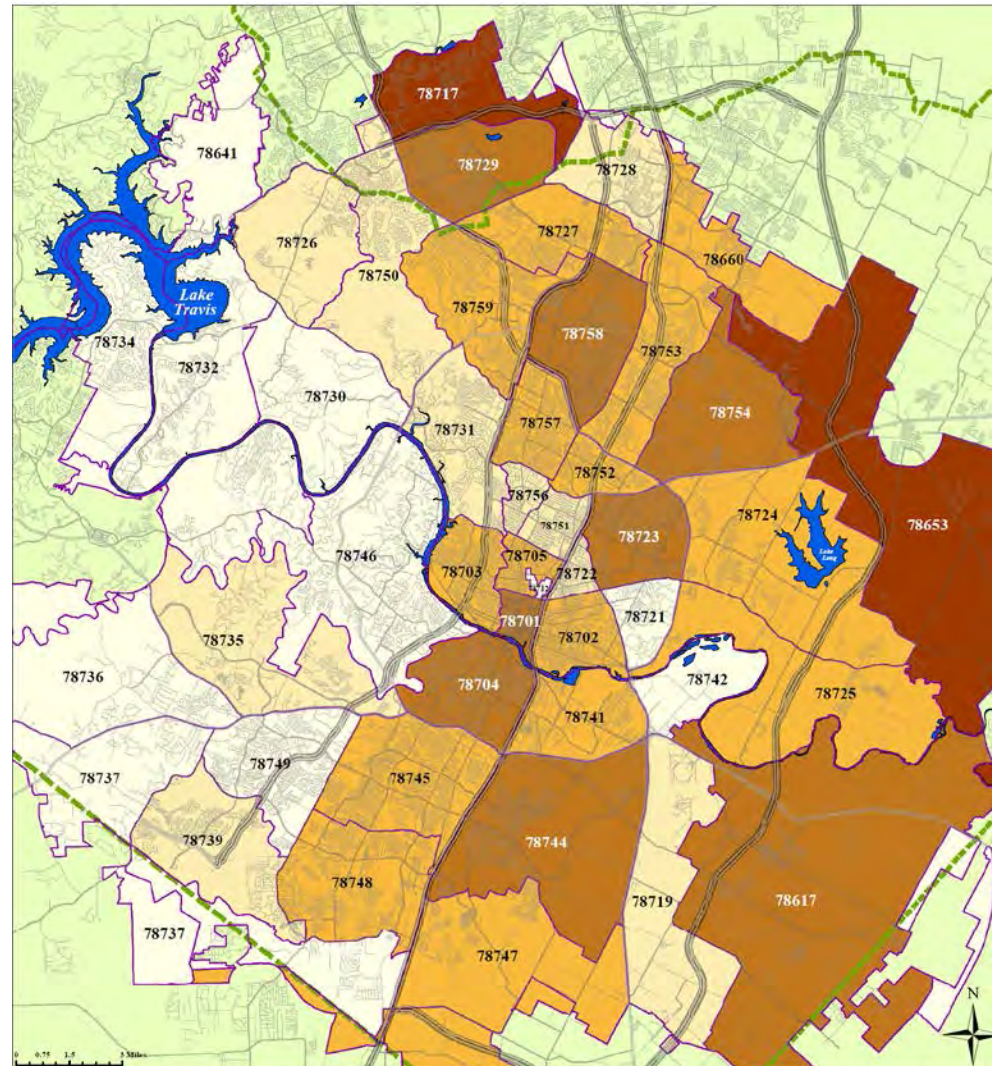
Attendance before and after renovations



Bartholomew West Enfield

Population Change 2015 to 2040





Total Population Change: 2010 to 2040 Forecast

ZIP Codes, Austin, Texas

counties
 ZIP Codes

Population Change: 2010 to 2040

| | |
|--|------------------|
| | Fewer than 5,000 |
| | 5,000 to 10,000 |
| | 10,000 to 20,000 |
| | 20,000 to 30,000 |
| | 30,000 to 40,000 |
| | 40,000 Plus |

DT2040 FORECAST
Products



Partnership Opportunities

Increased partnership opportunities would contribute to a more sustainable aquatic system

- Increased Availability of Learn to Swim Programs
- Collaboration with Private Businesses
- Search out Potential Partners and Sponsors for an Indoor an Aquatic Center
- Partnerships with Club Teams, High School Teams, Compleitive Divers and Synchronized Swimmers
- Seek Partnerships with Local School Districts
- Internal Partnerships with other PARD Divisions

Other Partnerships

Guest Speakers

- University of Texas
Ann Nellis/Director
Lee and Joe Jamail Texas Swimming Center
- YMCA
Kathleen Schneeman/Human Resources Director
YMCA of Austin

Bond Election Advisory Taskforce Reinvestment in Facilities and Assets Working Group

Terry Jungman
Asset Management Division Manager

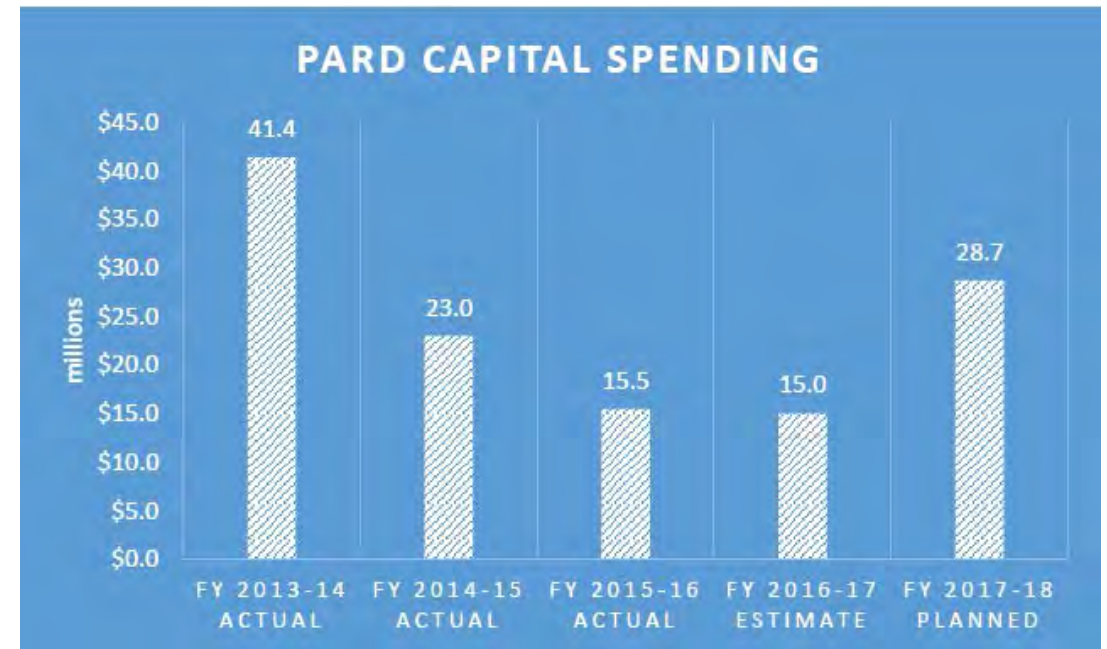
Outline

- CIP Overview
- 2018 Bond Proposal
- Prioritization
- Program Detail



Parks and Recreation Department Capital Program Overview

- PARD Capital Funding Sources
- General Obligation Bonds
- 1998 G.O. Bonds
- 2006 G.O. Bonds
- 2012 G.O. Bonds
- Certificates of Obligation
- Parkland Dedication Fees
- Mitigation Fees
- Grants (TPWD, TXDoT, etc)
- Donations / PPP



2012 G.O. Bond –Project Highlights

Montopolis Community and Rec Center

- \$15.5M project budget
- Scope: Demolition of existing rec center and development of joint-use facility for PARD and HHSD

Emma Long Metro Park

- \$2.6M project budget
 - \$1M Grant TPWD
- Scope: Phase 1 renovation of day-use and overnight camping amenities

Waller Creek District

- \$13M project budget
 - Significant PPP with WCC
- Scope: Redevelopment of Waterloo and Palm Park and creek corridor trail connectivity



2012 G.O. Bond –Program Highlights

- **Program –Playscapes**

- \$2M program budget
- Scope: Renovation and replacement of non-compliant playgrounds at 17+ parks city-wide

- **Program –Aquatics**

- \$5M program budget
- Scope: Renovation and replacement of failing pool infrastructure at 25+ parks city-wide
- Includes \$3M for renovation to Westenfield Pool

- **Program –Building Renovations**

- \$1.5M program budget
- Scope: Renovation and replacement of building systems (HVAC, roof, plumbing, electrical, etc) at 20+ sites city-wide



2018 G.O. Bond –Proposal

- Reinvestment in Facilities and Assets

| Department | Amount |
|----------------------|----------------------|
| Parks & Recreation | \$120 Million |
| Library | \$20 Million |
| Austin Public Health | \$10 Million |
| Public Safety | \$90 Million |
| Total | \$240 Million |



- Parkland and Open Space

| Category | Amount |
|---------------------------|---------------|
| Open Space- Parkland | \$30 M |
| Open Space- Water Quality | \$20 M |
| TOTAL | \$50 M |

2018 G.O. Bond –Reinvestment Plan

| Category | Amount | Reinvestment Plan |
|------------------------------|---------------|---|
| Aquatics | \$15 M | Renovation of 1 pool. Reinvestment into 46 existing aquatic facilities city-wide including plumbing and filtration systems, chemical controls, pool shell liners, and other non-compliant pool equipment. |
| Facility Improvements | \$40 M | Renovation of existing building systems at over ~30 sites including roof, HVAC, mechanical, electrical, plumbing, elevators, ADA accessibility, and interior renovations. May also support expansion of existing facilities to meet growing demand. |
| Infrastructure | \$65 M | |
| Playscapes | \$4 M | Complete renovation of ~10 playscapes city-wide including change-out of equipment and safety surfacing. Replacement of non-compliant pea gravel safety surfacing city-wide. |
| Trails | \$5 M | Development of ~5 miles of new trail as a continuation of on-going trail networks. Renovation of existing trails city-wide including ADA accessibility, trail stabilization, and trail amenities. |
| Parking Lots & Roadways | \$2 M | Resurfacing of worn and obsolete surfaces over approximately 30 sites throughout the City. |
| Athletics | \$8 M | Resurfacing of ~6 sport courts, replacement of failing light poles at ~3 sport fields, and upgrades to golf and tennis facilities. Renovation of existing tennis centers and greenways. Includes renovation of Pharr Tennis Center. |
| Parkland Improvements | \$42 M | Holistic park improvements at all scales (metro, district, neighborhood, pocket, special) including ~4 destination-scale parks and ~8 neighborhood-scale parks. May include renovation of existing parks or development of new parks. |
| Cemeteries | \$4 M | Preservation and restoration of cultural assets across the 5 city-owned cemeteries including landscape enhancements, facility upgrades, accessibility, and drainage improvements. |
| Total | \$120M | |

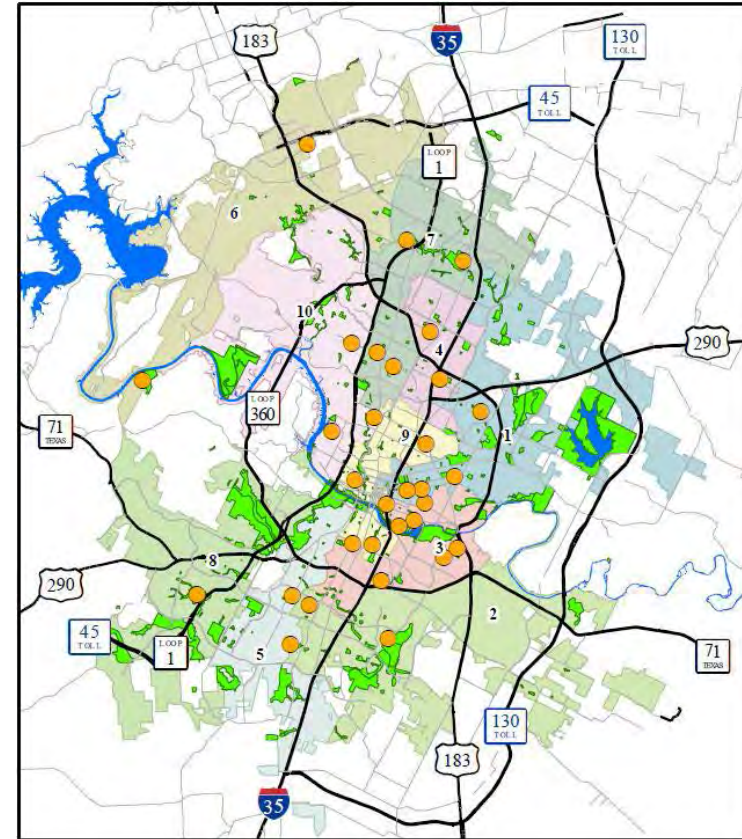


Prioritization Criteria

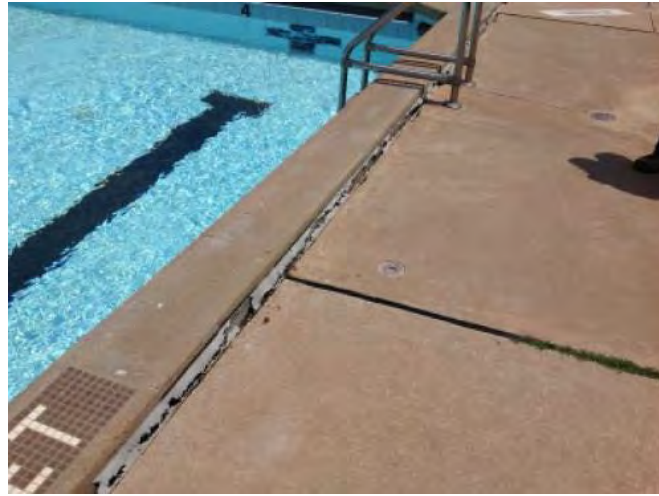
- Failing infrastructure system-wide
- Public safety/regulatory compliance
- Planning Documents
- PARD Long-Range Plan
- PARD CIP Strategic Plan
- Imagine Austin Comp Plan
- Completed master plan/preliminary design
- Community engagement
- Shovel readiness
- Geographic Equity
- Partnerships/leveraging opportunities
- 5-6 year implementation cycle
- Program flexibility vs project specific

Program Detail: Aquatics

- \$15 million
- Replacement of obsolete aquatic facilities and equipment; to include at least 1 complete pool renovation
- Who will benefit:
- City-wide
- DRAFT Aquatic Strategic Plan
- Project Examples:
- Pool supply lines
- Chemical controls
- Pump and filtration systems
- Givens Neighborhood Pool



Program Detail: Aquatics



Revenue Generation Opportunities

Increased revenue generation would contribute to a more sustainable aquatic system

- Fees and Charges
- Concessions
- Naming Rights and Sponsorships
- Partnerships
- Increased Programming
- PARD Aquatic Revenues

Funding Options

- Bonds/Reserve Funding
- Land Sales
- Sweetened Beverage Tax
- Grants
- Sponsorships (Naming Rights)
- Public/Private Partnerships
- HOT Funding