PARK SECTOR 18

PARK SECTOR 18 SUMMARY

PARK SECTOR 18 PRIORITIES

These priorities were developed by using condition assessment information from site visits, standard-based needs analysis (NRPA standards and the Trust for Public Land ParkScore™ Project), and public input via an online survey, park user interviews, community events and Capital Improvement Plan (CIP) meetings.

1. Acquire new parkland
2. Develop new park facilities
3. Revitalize existing parks
4. Develop Neighborhood connections to parks and trails
5. Develop partnerships with the school system and other entities
6. Preserve environmentally sensitive areas

RECOMMENDATIONS

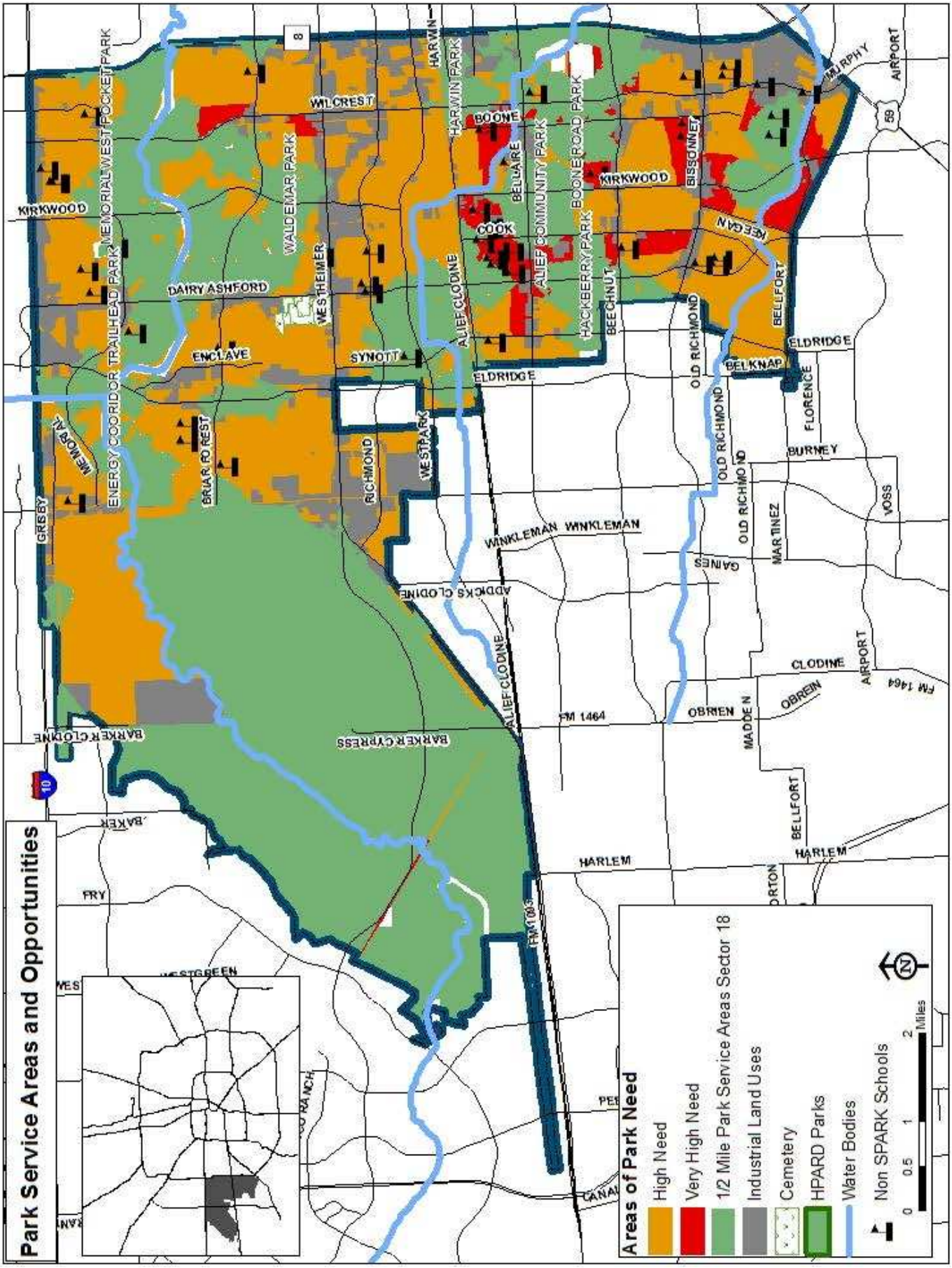
The parks in Park Sector 18 that have the highest need for redevelopment are Boone Road Park and Waldemar Park.

In this Park Sector 401 acres of parkland are needed. Even though the need analysis for parkland shows a great need for parkland, this analysis only accounts for Pocket, Neighborhood and Community parks. This Park Sector is unusual in that it is served by four Regional Harris County parks: Terry Hershey Park, George Bush Park, Art Storey Park and Archbishop Joseph A. Fiorenza Park. Nonetheless there is still a need for smaller scale parks in areas of need. This is the second most populous Park Sector that carries 11.3% of the total population in the City of Houston. There are areas of need throughout almost the entire Park Sector.

Furthermore, the population in west Houston is projected to grow immensely in coming years. Schools not participating in the SPARK School Park Program (Non-SPARK schools) should be explored as potential future partnerships for park space. Schools are located in many of the areas of need and very high need for parkland and opportunities seem widespread. Because of the great need for parkland and playgrounds in this Park Sector, a partnership with the SPARK Park program and Houston Independent School District (HISD) would be highly beneficial.

This Park Sector is deficient in playgrounds, picnic shelters, trails, outdoor basketball courts, tennis courts, volleyball courts, dog parks, skate parks, community centers, swimming pools, spraygrounds and softball fields. In the 2014 survey, the top three priorities of residents in Park Sector 18 when asked what recreational needs existed in their Neighborhood were: hike, bike and walk trails, open space and natural areas, and picnic areas and pavilions. Three bayous, Buffalo, Brays and Keegans Bayous traverse this Park Sector and there are approximately 18 miles of trails planned for these bayous through the Bayou Greenways Initiative (BG 2020). The West Houston Trails Master Plan (WHTMP) proposes a north-south 8.7 mile spine trail along a utility corridor (Wycliff Highline Spine Trail) which would begin north of I-10 and connect the trail along Buffalo Bayou inside Terry Hershey Park to Brays Bayou and would fill a gap in need for park and open space. Other services and amenities that residents asked for in the write-in portion of the survey were: fitness programs, outdoor environmental education and camping, fishing activities, senior programming, archery programs, youth nature programs, tai chi and yoga, community gardens, and youth ages 0-6 programming. Over 28% of the population in this Park Sector is obese as compared to City of Houston at 30%. Based on these health metrics, partnerships should be pursued to increase levels of physical activity and programming that promotes healthy living should be explored.

Sources: 2010 Census, 2010 Health of Houston Survey, American Community Survey 2013, Houston Parks Board, HPARD 2014 Online Survey, Trust for Public Land ParkScore™ Project, 2040 H-GAC population projections by Park Sector


Park Service Areas and Opportunities
Areas of Park Need
High Need
Very High Need
1/2 Mile Park Service Areas Sector 18
Industrial Land Uses
Cemetery
HPARD Parks
Water Bodies
Non SPARK Schools
0 0.5 1 2 Miles
KIRKWOOD
MEMORIAL WEST POCKET PARK
WILCREST
HARWIN
HARWIN PARK
BOONE
BELLAIRE
ALIEF COMMUNITY PARK
BOONE ROAD PARK
KIRKWOOD
BISSONNET
MURPHY
AIRPORT
WALDEMAR PARK
COOK
HACKBERRY PARK
BEECHNUT
NEEGAN
TRAILHEAD PARK
DAIRY ASHFORD
WESTHEIMER
ALIEF CLODINE
ENCLAVE
SYNOTT
ELDRIDGE
OLD RICHMOND
BELLFORT
BELKNAP
FLORENCE
ENERGY CORRIDOR
MEMORIAL
GREGBY
BRIAR FOREST
RICHMOND
WESTPARK
BURNEY
WINKLEMAN
GAINES
MARTINEZ
VOSS
ADDICKS CLODINE
CLODINE
FM 1464
OBREIN
MADDEN
BARKER CLODINE
BARKER CYPRESS
BARKER
HARLEM
FRY
WESTGREEN
PEE
LANA

EXISTING HPARD PARKS

Facility Name	Address	Street	Total Acres	Trail Length
Pocket Parks				
Energy Corridor Trailhead Park		N. Eldridge/ Buffalo Bayou	0.79	N/A
Kendall Community Center	609	N. Eldridge	0.08	N/A
Memorial West Pocket Park (undeveloped)	13922	Memorial Drive	0.72	N/A
Total HPARD Pocket Park Acreage			**1.60**	
Neighborhood Parks				
Harwin Park	11305	Harwin	8.83	0.70
Waldemar Park	11700	Waldemar	3.95	0.19
Total HPARD Neighborhood Park Acreage			**12.80**	
Community Parks				
Alief Community Park	11903	Bellaire Blvd	37.30	0.53
Boone Road Park	7700	Boone Rd.	27.38	1.06
Hackberry Park	7777	South Dairy Ashford	22.44	0.70
Total HPARD Community Park Acreage			**87.10**	
Urban Trails / Shared Use Paths				
West Side Hike and Bike Trail				1.90
Total HPARD Park Acreage			**101.40**	
Total HPARD Trail Length				**5.08**

EXISTING COMMUNITY CENTERS AND POOLS

Community Centers and Pool Facilities	Address	Zip Code	Agency Responsible
Alief Community Center and Pool	11903 Bellaire Blvd	77072	HPARD
Hackberry Community Center	7777 South Dairy Ashford	77072	HPARD
Kendall Community Center	603 East 35th	77079	HPARD

PARK SERVICE AREAS

The Park Service Area map was produced using data provided by the Trust for Public Land ParkScore™ Project to show areas of park need. The green areas represent a ½ mile service area of public parks (city or county) and SPARK Parks (school parks open to the public after school) or other publicly accessible non-HPARD Parks.

The orange and red represent areas where there is not access to a park within a ½ mile. The degree of need (red is very high need and orange is high need) is based on population density, household income (less than $35,000), and presence of youth (19 yrs or younger). The office and industrial land uses are represented in gray, to specifically highlight residential and commercial areas of need. Roughly 39% of this Park Sector is not served by a park, which is lower than that of the entire city (55%). Non-SPARK schools are indicated on the map as black flags to explore as potential future partnerships for park space.

PARK SECTOR FACTS

- This Park Sector contains 9,060 acres of parkland (Harris County, HPARD & other providers). Of the 37,443 acres in this Park Sector, 24% of this acreage is parkland.
- There are approximately 240,000 residents, making this the second most populous Park Sector that carries 11.3% of the total population in the City of Houston. It also has the second largest concentration of Asian-Americans (14%) in the city.
- Even though this Park Sector is served by George Bush Park there is a need for 401 acres of Neighborhood and Community parks. This is based on the current population (2010 US Census) of the Park Sector and needs assessment done for Pocket, Neighborhood and Community parks (number of acres per 1,000 people).
- The Trust for Public Land ParkScore™ shows high need in northwest and central portion of the Park Sector.
- Park Sector 18 has a total of 32 miles of trails.
- H-GAC population projections estimate that this area will add over 58,000 residents by 2040. To meet the parkland needs for the estimated 2040 population an additional 175 acres of parkland will be needed.

NEEDS ASSESSMENT FOR AMENITIES IN PARK SECTOR

The table below shows the total existing amenities (including, HPARD, County and SPARK Parks) as of 2015, the target goal per amenity, and the amenities needed based on population standards for each amenity using 2010 US Census Population. The last row shows the estimated number of amenities needed based on the H-GAC population projections for 2040 and amenity standards used in the 2007 Parks Master Plan.

AMENITY	PLAYGROUNDS	PICNIC SHELTERS	TRAILS (MILES)	OUTDOOR BASKETBALL COURTS	TENNIS	VOLLEYBALL	DOG PARKS	SKATE PARKS	COMMUNITY CENTERS	SWIMMING POOLS	OUTDOOR SPRAYGROUNDS	BASEBALL (LIT and UNIT)	SOFTBALL (LIT and UNIT)	SOCCER (LIT and UNIT)
2015 Goal	60	24	50	20	24	5	2	2	8	5	2	8	8	55
2015 Existing	24	18	37*	3	6	0	0	0	3	1	1	8	0	55
2015 Needed	36	6	13	17	18	5	2	2	5	4	1	-	8	-
2040 Needed	15	6	12	5	6	1	1	-	2	1	1	2	2	-

* This number includes 5 miles of trails inside the city limits along Brays Bayou under the Bayou Greenways 2020 (BG2020 Initiative).

GUIDE FOR ESTIMATED COST OF NEW AMENITIES, PARKLAND, AMENITY RENOVATIONS AND OPERATION AND MAINTENANCE FOR PARK SECTOR

The table below contains costs estimates (in 2015 dollars) based on the needs assessment using 2010 US Census population and population projections provided by H-GAC per Park Sector for 2040, for both amenities and land in this Park Sector. In addition, the cost estimates (in 2015 dollars) for renovation of existing facilities and operation and maintenance are listed. A general explanation of each figure and its source is listed below:

1. Cost of New System Amenities: This is the estimated cost for amenities based on the needs assessment above. Costs are estimated for 2015 and 2040 based on costs of 2014 HPARD projects. These costs are a guide and do not include site specific constraints such as utility extensions, flood mitigation or the purchase of land if expansion of the park was needed for these amenities.
2. Cost of Park Land: This is the land needed to meet the parkland standards for 2015 and 2040 based on the 2010 US Census and the H-GAC estimated population projections respectively. Land costs are based on land values by Park Sector, provided by H-GAC, from 2014 HCAD values for properties greater than 5,000 sq ft in size and with no structures.
3. Cost of HPARD Amenity Renovation: The 2015 cost estimate is based on the assessment that 30% of the existing facilities in this Park Sector need renovation. The 2040 cost estimate is based on the assessment that the remaining 2/3 of the facilities from 2015 and 30% of the new facilities will need renovation to meet the population growth. Costs are estimated for 2015 and 2040 based on costs of 2014 HPARD projects.
4. Annual Operation & Maintenance: This figure is based on the national average for parks and recreation operational spending amount ($63) per resident in 2013 according the Trust for Public Land publication "2014 City Park Facts." Houston spent $29 per resident on parks and recreation in 2013.
   This figure shows what the cost of spending this average amount per resident would be based on the current population and the projected population in 2040.

	1	2	3	4
	COST OF NEW SYSTEM AMENITIES	COST OF NEW PARK LAND	COST OF HPARD EXISTING AMENITY RENOVATION	ANNUAL COST OF OPERATION AND MAINTENANCE
2015	$123,000,000	401 Acres- $100,000,000	$11,000,000	$15,000,000
2040	$46,000,000	175 Acres- $42,000,000	$74,000,000	$4,000,000
TOTAL 2040	$169,000,000	576 Acres- $142,000,000	$85,000,000	$19,000,000

PARK SECTOR PROFILE 18

LOCATION AND POLITICAL BOUNDARIES

Park Sector 18 is located west of Beltway 8, south of I-10, and north of 59.
Park Sector Size: 37,443 acres or 59 square miles
Population: 240,553 people, Density: 4,169 persons/sq. mi.
Political Boundaries within Park Sector 18:

- Council Districts: F, G, and J
- Super neighborhoods contained in this Park Sector: Eldridge/ West Oaks, Memorial, Briar Forest Area, Westchase, and Alief
- TIRZ: Village Enclaves and Southwest Houston
- Management Districts: HCID 4 (Energy Corridor), Westchase, and International Management District

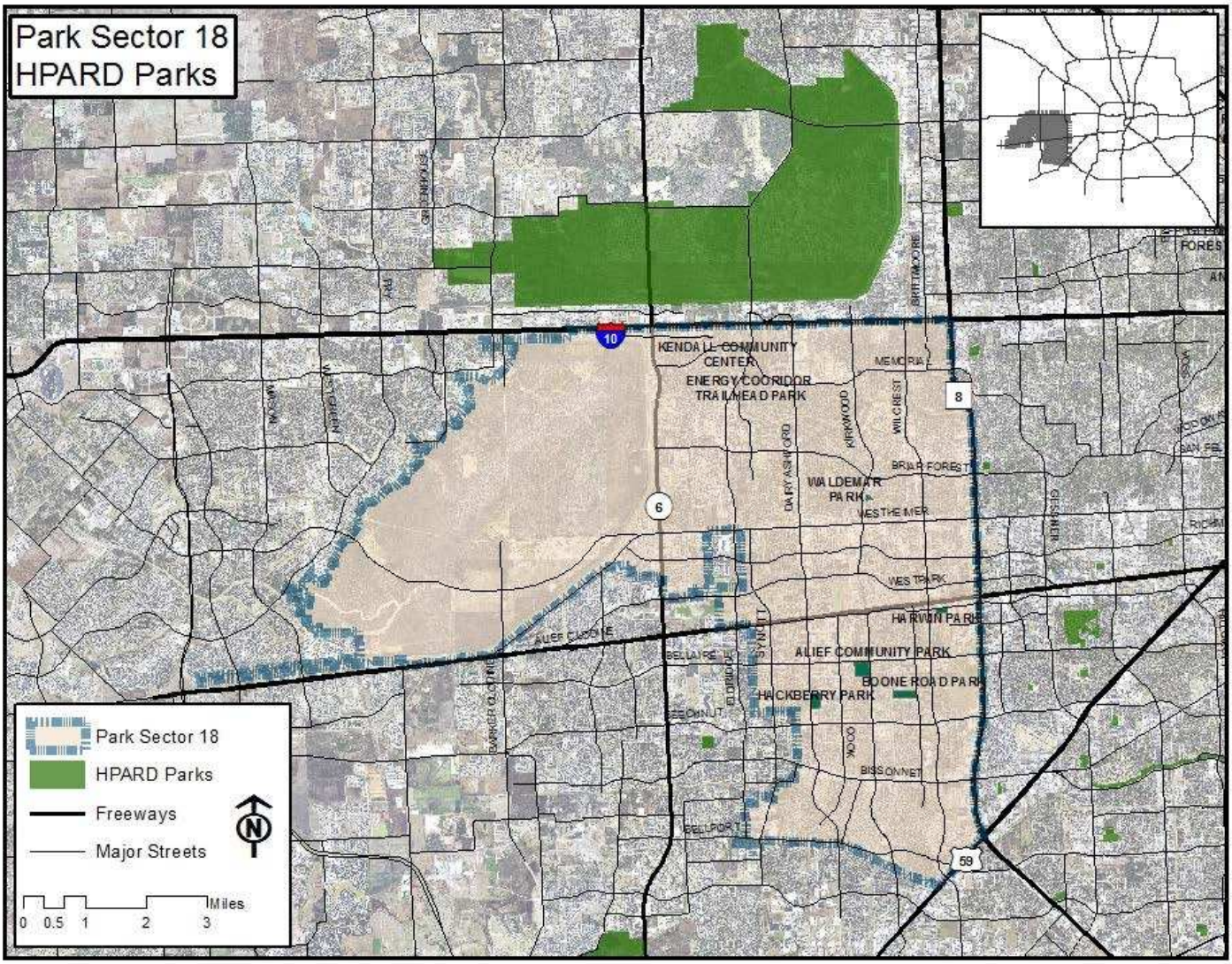


FIGURE 1. PARK SECTOR 18 BOUNDARY AND HPARD PARKS

DEMOGRAPHIC PROFILE

Ethnicity

	Park Sector 18 Population	Park Sector 18 Percent of Total	Houston Population	Houston Percent of Total
Total Population	**240,553**	-	**2,119,831**	-
Hispanic or Latino	78,710	32.7%	919,668	43.8%
Non-Hispanic White	69,238	28.8%	537,901	25.6%
Non-Hispanic Black	53,760	22.3%	485,956	23.1%
Non-Hispanic American-Indian	428	0.2%	126,098	6.1%
Non-Hispanic Asian	33,585	14.0%		
Non-Hispanic Hawaiian or Pacific Islander	84	0.0%		
Non-Hispanic Some Other Race	4,748	2.0%	26,828	1.3%

TABLE 1. PARK SECTOR 18 ETHNICITY (2010 CENSUS & CITY OF HOUSTON PLANNING AND DEVELOPMENT DEMOGRAPHIC DATA)

This Park Sector contains 11.3% of the population of Houston. The majority (33%) of residents are Hispanic/Latinos, followed Non-Hispanic Whites (29%), Non-Hispanic Blacks (22%), and Asian-Americans (14%). The majority of the population lives along the freeways that comprise the boundaries of the Park Sector. The densest areas in the Park Sector are in Alief, south of the Westpark Tollway, while the Memorial and Briarforest areas are the least densely populated parts of the Park Sector.

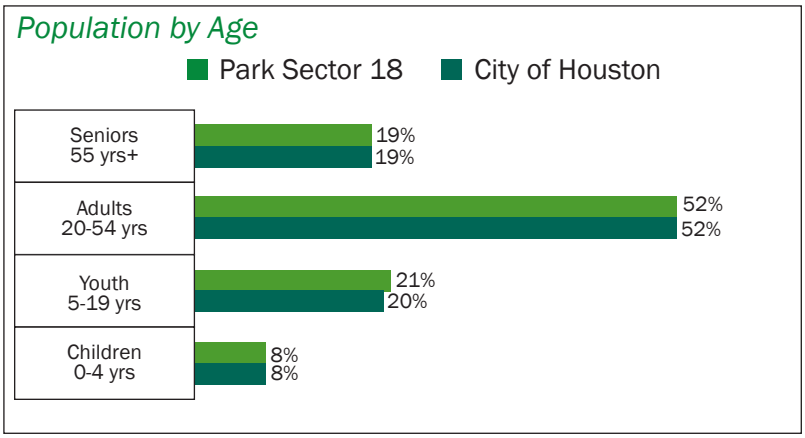


FIGURE 2. CITY OF HOUSTON VS. PARK SECTOR 18 AGE CITY OF HOUSTON ORTS BY HPARD PROGRAM AGES (2011 AMERICAN COMMUNITY SURVEY, CITY OF HOUSTON PD)

The age profile for this Park Sector shows that all of the age groups in this Park Sector closely mirror these present throughout the entire City of Houston. The population of individuals 19 and under comprises nearly a third of the population. Over one-half of the population is between the ages of 20-54 years and the population 55 years+ accounts for 19% or 46,953 individuals. These demographic trends can help inform future programming and park improvements.

Program Group	Age Groups	PS 18 Population	PS 18 Percent of Total	Program Age Group	City of Houston Population	City of Houston Percent of Total	Program Age Group
Children	0-4 yrs	18,814	8%	8%	166,066	8%	8%
Youth	5-9 yrs	17,304	7%	21%	148,843	7%	21%
	10-14 yrs	16,376	7%		135,622	7%	
	15-19 yrs	16,221	7%		140,673	7%	
Adults	20-34 yrs	60,128	25%	52%	539,348	26%	52%
	35-44 yrs	34,732	14%		286,117	14%	
	45-54 yrs	32,789	13%		265,060	13%	
Senior	55-64 yrs	25,307	10%	19%	204,852	10%	19%
	65 yrs +	21,646	9%		192,689	9%	

TABLE 2. CITY OF HOUSTON VS. PARK SECTOR 18 AGE CITY OF HOUSTON ORTS WITH FURTHER BREAKDOWN FOR ALL PROGRAM AGE GROUPS

Housing

There are a total of 104,913 housing units in this Park Sector. The percent of vacant housing in Park Sector 18 (11.2%) is slightly lower as compared to the vacancy rates for the entire city (12.3%). Home ownership for this Park Sector (37.4%) is slightly lower than that of the City of Houston (39.7%) and the share of renters (51.3%) is higher than that of the city's (47.1%).

Income

The median household income for this Park Sector ($50,741) is somewhat higher than that of the City of Houston ($48,322). 46,339 households, or 49%, in this area have an income below the Houston median household income.

Educational Attainment

Within Park Sector 18 the percent (38%) of individuals 25+ years of age with a Bachelor's degree or higher is significantly higher than the relative percent for the entire City of Houston (28%). The percentage of individuals with only a 5th- 12th grade education (12%) is lower than that of the rest of the City of Houston (20%). The other trends of educational attainment in this Park Sector are similar to those for the City of Houston.

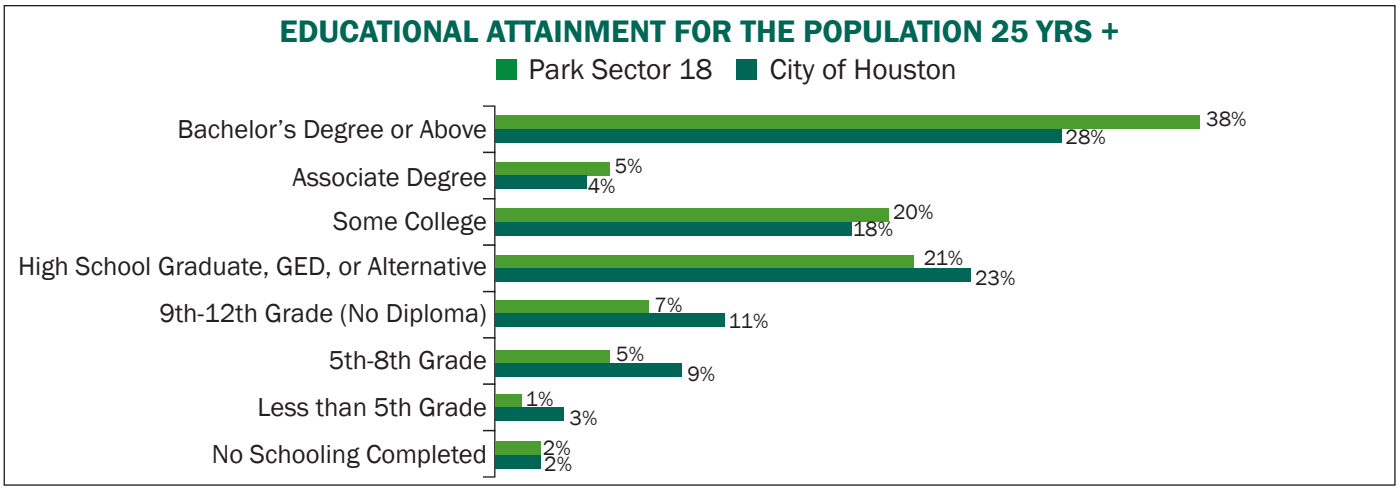


FIGURE 3. EDUCATIONAL ATTAINMENT (2011 CITY OF HOUSTON PD)

Community Health

The Health of Houston Survey 2010 data (aggregated by Park Sector by the Houston Department of Health and Human Services) shows that 28.9% of the adult population in this Park Sector is considered obese, as compared to 30.8% for the entire population of the City of Houston. Even though the percent of obese population is lower, the percent of overweight population in this area is higher and may present an opportunity for intervention. The survey also showed that 11.7% of the adult population received a diagnosis of diabetes by a professional, which is about the same as the level for the entire city (11.4%). In addition, this survey inquired about physical activity level and the results indicate that 29.8% of the respondents in this Park Sector engage in a moderate physical activity for 5 or more days a week, which is lower than that of the entire city (32%). The national initiative, Healthy People 2020, has a goal to increase the amount of adults who engage in moderate physical activity for at least 5 days a week for 30 minutes to 47.9% of the population. The current national average of adults engaging in this level of aerobic activity is 43.5%.

Finally, the survey shows that 16.7% of the population does not engage in moderate physical activity at all, which is about the lower than the rate for the entire city (21.2%). As HPARD plans and prioritizes investments for future parks and trails, it should take into account the accessibility of parks, amenities provided and the impact to the health of the community in the long term. HPARD is an active participant in the Healthy Communities Initiative, Community Transformation Initiative, Healthy Kids Houston, and the Sustainable Communities Houston-Galveston Regional Plan, among other efforts. This involvement should continue with an emphasis on partnerships, measurable outcomes, and engagement with the community to encourage physical activity and help identify physical barriers to park access.

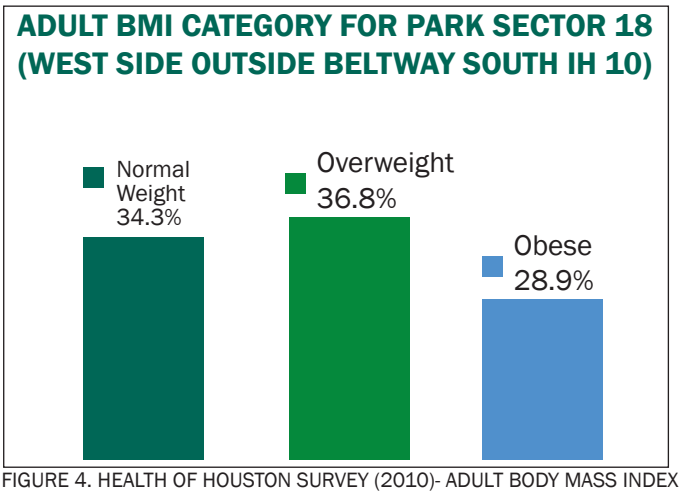


FIGURE 4. HEALTH OF HOUSTON SURVEY (2010)- ADULT BODY MASS INDEX

Moderate Physical Activity in the Last Seven Days	Percentage (%)
0	16.70
1	9.90
2	12.50
3	21.60
4	9.50
5	9.60
6	5.60
7	14.60

TABLE 3. HEALTH OF HOUSTON SURVEY (2010)- MODERATE PHYSICAL ACTIVITY

LAND USE ANALYSIS

	Number of Parcels	Percent of Parcels	Acreage of Parcels	Percent of Acreage
Single-Family	44,537	78.2%	7,239	26.5%
Multi-Family	7,327	12.9%	2,139	7.8%
Commercial	1,154	2.0%	2,336	8.5%
Office	277	0.5%	842	3.1%
Industrial	319	0.6%	867	3.2%
Public & Institutional	359	0.6%	1,944	7.1%
Transportation	245	0.4%	843	3.1%
Parks & Open Space	813	2.8%	8,945	32.7%
Undeveloped	1,582	2.8%	1,820	6.7%
Agriculture Production	290	0.5%	350	1.3%
TOTAL	56,977	100%	27,326	100%

TABLE 4. LAND USE BY DESCRIPTION (2013 HCAD)

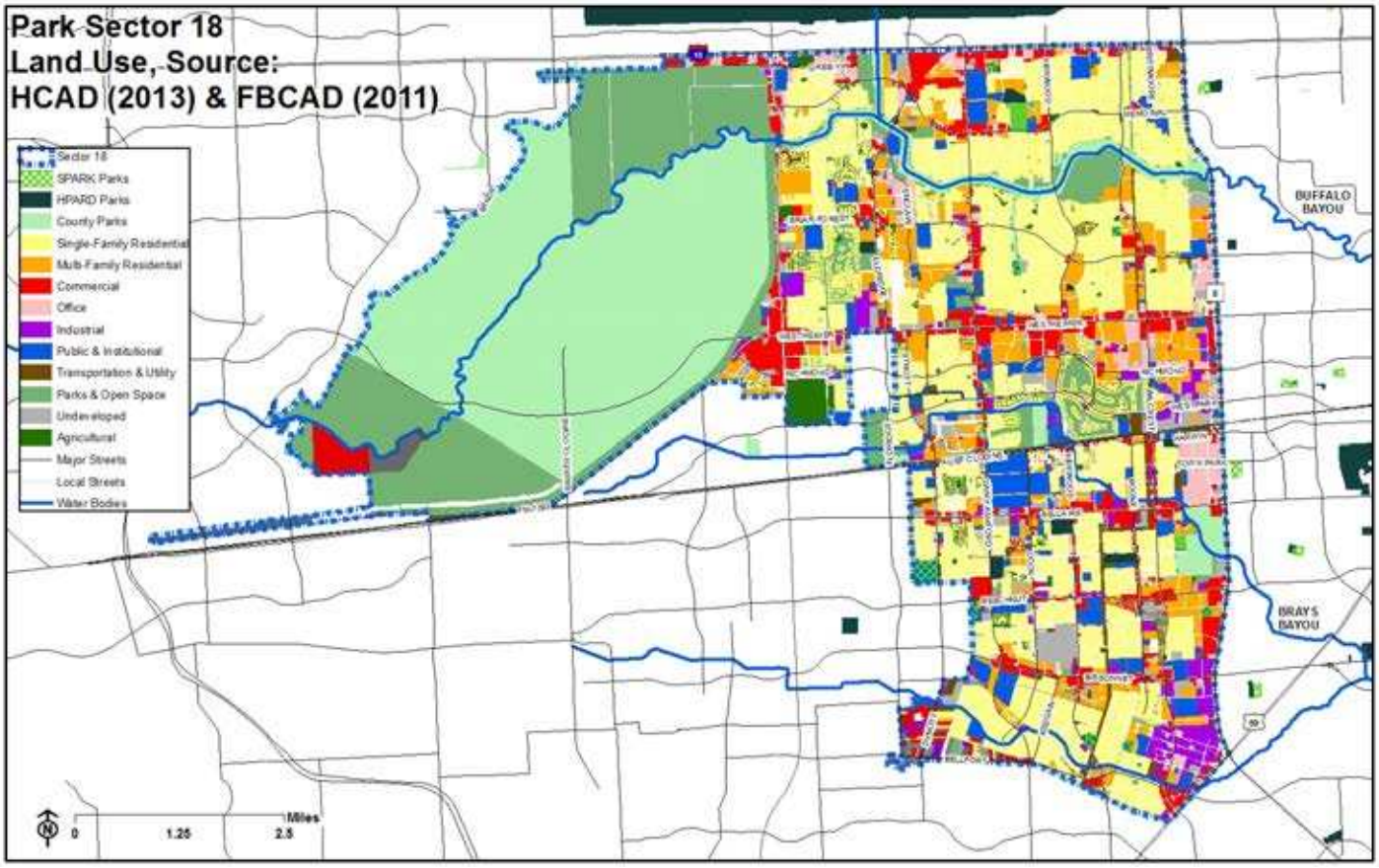


FIGURE 5. PARK SECTOR 18 LAND USE MAP (2013 HCAD) AND HPARD, COUNTY, AND SPARK PARKS

Park Sector 18 straddles both Harris and Fort Bend County. A significant percent of the acreage (32.7%) is Parks and Open Space due to the large area occupied by George Bush Park (Harris County) and additional acreage managed in the Barker Reservoir. Single-family and multi-family residential make up 91% of the parcels and 34% of the acreage of this Park Sector.

HPARD PARKS AND TRAILS

Facility Name	Address	Street	Total Acres	Trail Length
Pocket Parks				
Energy Corridor Trailhead Park		N. Eldridge/ Buffalo Bayou	0.79	N/A
Kendall Community Center	609	N. Eldridge	0.08	N/A
Memorial West Pocket Park (undeveloped)	13922	Memorial Drive	0.72	N/A
Total HPARD Pocket Park Acreage			**1.60**	
Neighborhood Parks				
Harwin Park	11305	Harwin	8.83	0.70
Waldemar Park	11700	Waldemar	3.95	0.19
Total HPARD Neighborhood Park Acreage			**12.8**	
Community Parks				
Alief Community Park	11903	Bellaire Blvd	37.30	0.53
Boone Road Park	7700	Boone Rd.	27.38	1.06
Hackberry Park	7777	South Dairy Ashford	22.44	0.7
Total HPARD Community Park Acreage			**87.10**	
Urban Trails / Shared Use Paths				
West Side Hike and Bike Trail				1.9
	Total HPARD Park Acreage		**101.4**	
	Total HPARD Trail Length			**5.08**

TABLE 5. HPARD PARKS, ACREAGE, AND TRAILS INTERNAL TO HPARD PARKS, BAYOU AND URBAN/SHARED USE TRAILS IN PARK SECTOR 18

The Houston Parks and Recreation Department operates 8 parks in the area accounting for 101 acres of parkland. Harris County maintains and operates 11 parks in this Park Sector, totaling 8,958 acres.

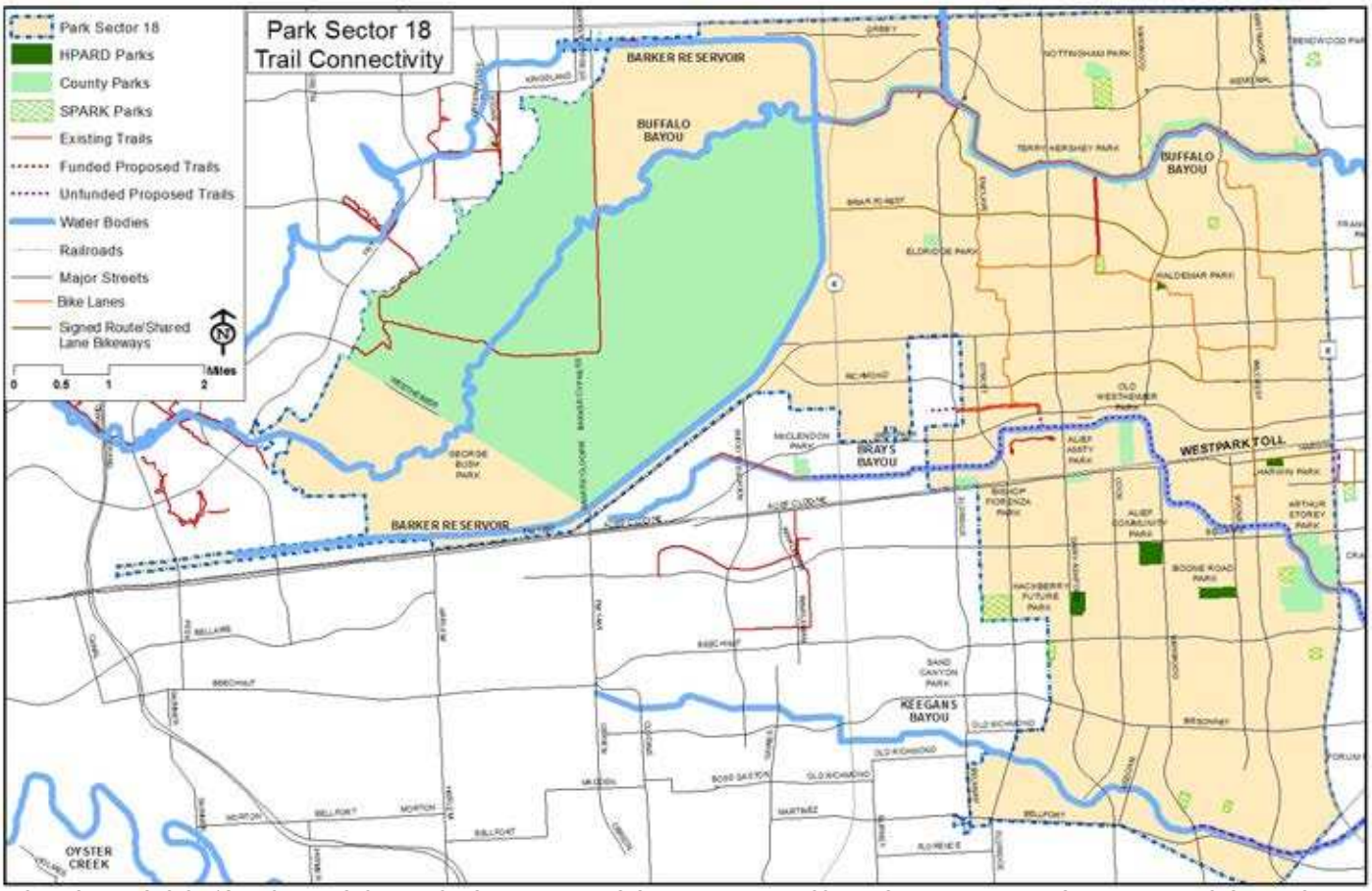


FIGURE 6. PARK SECTOR 18 BAYOU TRAILS, ON- AND OFF-STREET BIKEWAY SYSTEM (PWE), HPARD, COUNTY, SPARK, PRIVATE PARKS, BIKE/PED BRIDGES AND LIGHT RAIL

The 10.83 miles of trails that run along Buffalo Bayou in Harris County Terry Hershey Park provide an excellent east/west connection in the northern portion of the Park Sector. There is a connector to the Terry Hershey trail that runs from Ashford Elementary School and is connected to east/west on-street bike lanes. While the Harris County George Bush Park is not under HPARD's purview, if the trail along Buffalo Bayou in this park were to be continued, a complete east/west connection would be established in the northern part of the Park Sector. There are several segments of already existing trail along Brays Bayou in this Park Sector; also, there is an unfunded segment (5 miles) Bayou Greenway 2020 trails planned for this along this bayou between Arthur Storey Park and McClendon Park. Connecting the trail along Brays Bayou would connect three Harris County parks and the West Side Hike and Bike trail in this Park Sector and serve areas in Alief which currently have trails only inside parks, but few or no connecting trails, greenways, shared paths or bike lanes. Keegan's Bayou travels east-west along the southern border of this Park Sector; a 3-mile trail (1.3 miles inside this Park Sector) from Gessner to Kirkwood began construction in 2013. Once this segment is completed, it will provide residents in this area with non-vehicular access to the entire Brays Bayou trail system, Columbia Tap trail, the light rail system, the Medical Center, and Hermann Park and Downtown.

There is an existing utility easement running north-south between Wilcrest and Kirkwood which should be explored as a connector between Brays and Keegan Bayous. The West Houston Trails Master Plan (WHTMP) proposes a north-south 8.7 mile spine trail along a utility corridor (Wycliff Highline Spine Trail) which would begin north of I-10 and connect the trail along Buffalo Bayou inside Terry Hershey to Brays Bayou. The Eldridge Spine Trail (from Briar Forest south to Bellaire) proposed by the (WHTMP) connects Brays Bayou, the Energy Corridor and gives access to single-family, multi-family, retail and restaurants in the area.

County Parks and Trails

County Park				
Facility Name	**Address**	**Street**	**Total Acres**	**Trail Length**
Alief Amity Park	12509	Alief Clodine Road	11.00	0.17
Arthur Storey Park	7400	W. Sam Houston Parkway South	208.36	1.77
Beeler Memorial Park	1150	Enclave Parkway	1.00	0.06
Archbishop Joseph A. Fiorenza Park	4025	Eldridge Parkway	349.70	0.60
George Bush Park	16756	Westheimer Parkway	7800	11.36
Molly Pryor Memorial Orchard	15200	Memorial Drive	1.10	0.60
Nottingham Park	14205	Kimberley Lane	22.50	0.75
Old Westheimer Park			48.00	N/A
Ray Miller Park	1800	Eldridge Parkway	15.00	0.64
Sgt. JR Hatch Sport Park	17525	Katy Freeway	1.80	0.08
Terry Hershey Park	15200	Memorial Drive	500.00	10.83
		Total HC Park Acreage	**8,958.46**	
		Total HC Trail Length		**26.26**

TABLE 6. TRAILS INTERNAL TO COUNTY PARKS, BAYOU AND URBAN/SHARED USE TRAILS IN PARK SECTOR 18

SPARK Parks

There are 9 Elementary Schools participating in the SPARK Program providing access to park space and a variety of amenities to the public.

SPARK Parks				
Facility Name	**Address**	**Street**	**Total Acres***	**Amenities**
Alexander Elementary School	8500	Brookwulf Dr	9.39	Playground
Ashford Elementary School	1815	Shannon Valley	9.58	Playground
Askew Elementary School	11200	Wood Lodge Dr	6.70	Playground, 0.15 mi Trail, Unlit Soccer Field
Chambers Elementary School	10700	Carvel Ln	12.15	Playground, 0.22 mi Trail, Picnic Pavilion
Cummings Elementary School	10455	Kirkwood Rd	10.04	Playground, 0.24 mi Trail
Landis Elementary School	10255	Spice	8.07	Playground, 2 Outdoor Basketball Courts, Swing Set
Liestman Elementary School	7610	Synott Rd	48.91	Playground, Swing Set
Meadow Wood Elementary School	14230	Memorial Dr	38.68	Playground, 0.22 mi Trail, Picnic Pavilion
Smith Elementary School	11300	Stancliff	5.21	Playground, Swing Set, Picnic Pavilion
Total Acres*			**148.73**	

TABLE 7. SPARK PARK ELEMENTARY, MIDDLE AND HIGH SCHOOLS FOR PARK SECTOR 18 BASED ON DATA PROVIDED ON 2011 BY THE SPARK PROGRAM
*Acreage is overstated because it is based on the parcel corresponding to entire school and not the SPARK Park only.

Open and Green Space

To determine level of service the 2007 Master Plan outlined standard distances based on park classification as well as population. Analysis in this section will be done based on population (acres/1,000 people) as well as park accessibility within a ½ mile radius using data provided by The Trust for Public Land ParkScore™ Project. The table below shows the level of service (LOS) based on the 2007 HPARD recommended standards of a number of acres per 1,000 people using the 2010 Census population. According to the HPARD recommended standards per park type (2007 HPARD Master Plan Criteria Facility Needs): 0.005 acres/1,000 people for a Pocket Park, this Park Sector meets the standard. This Park Sector is lacking 198 acres of Neighborhood Parks and 203 acres of Community Parks for a total of 401 acres of parkland. The acreage for Regional Park will be accounted for when the city-wide analysis.

Park Type	HPARD Park Number	HC Park Number	HPARD Acreage	County Acreage	Other Providers	Total Park Acreage	HPARD Recommended Standard	Current HPARD LOS	Current Total Inventory LOS	HPARD NEED (2010 Population)	Total Inventory NEED 2010 Population
								Population		240,553	
Pocket Park (<1 acre)	3	0	1.6	0	0	1.51	0.005 ac/1,000 people	0.01	0.01	-0.39	-0.39
Neighborhood Park (1-15 acres)	2	5	12.8	29.9	0	42.68	1 ac/1,000 people	0.05	0.18	227.77	197.87
Community Park (16-150 acres)	3	2	87.12	70.5	0	157.62	1.5 ac/1,000 people	0.36	0.66	273.71	203.21
Regional Parks (151+ acres)	0	4	0	8,858.1	0	8,862.06	8.0 ac/1,000 people				
TOTAL	8	11	101.41	8,958.5	0	201.81	19 acres/1,000			501.48	401.08

TABLE 8. HPARD LOS AND PARKLAND NEED ANALYSIS
A negative number in the last two columns means there is a surplus, a positive number means there is a need.

Another way to measure the level of service provided by parks is by looking at a "walkable" distance (1/2 mile radius) from the park regardless of the size of this park. The Rice University Shell Center for Sustainability published the Houston Sustainable Development Indicators: A Comprehensive Development Review for Citizens, Analysts, and Decision Makers and used ¼ of a mile distance of persons living from a park as a sustainability indicator for quality of life and determined that 44% of residents have access to a public space (King 2012). The Trust for Public Land (Trust for Public Land (TPL)) ParkScore™ Project study mapped the park needs of the City of Houston based on accessibility by density, age, and income. The methodology used by Trust for Public Land (TPL) ParkScore™ Project factors in the accessibility to a public park within ½ mile considering freeways and major thoroughfares as barriers to park access. Trust for Public Land (TPL) ParkScore™ Project found that 45% of residents have access to public spaces (Trust for Public Land (TPL) 2012). The map was produced using data provided by Trust for Public Land (TPL) ParkScore™ Project.

The areas in green on the map below represent the area within ½ mile of existing parks not blocked by freeways or major roads. Roughly 39% of the live/play areas (residential= yellow and orange and some commercial= red) in this Park Sector are not served by a park, which is dramatically lower than that of the entire city (55%). This percentage was calculated by subtracting the areas served, industrial areas, and acreage of private parks from the total acreage of the Park Sector. The construction of trails along Brays and Keegans Bayous will have an obvious impact on access. Connectors into the trail bayou systems for Buffalo, Brays and Keegan will be key in servicing those areas within ½ miles radius from the trails.

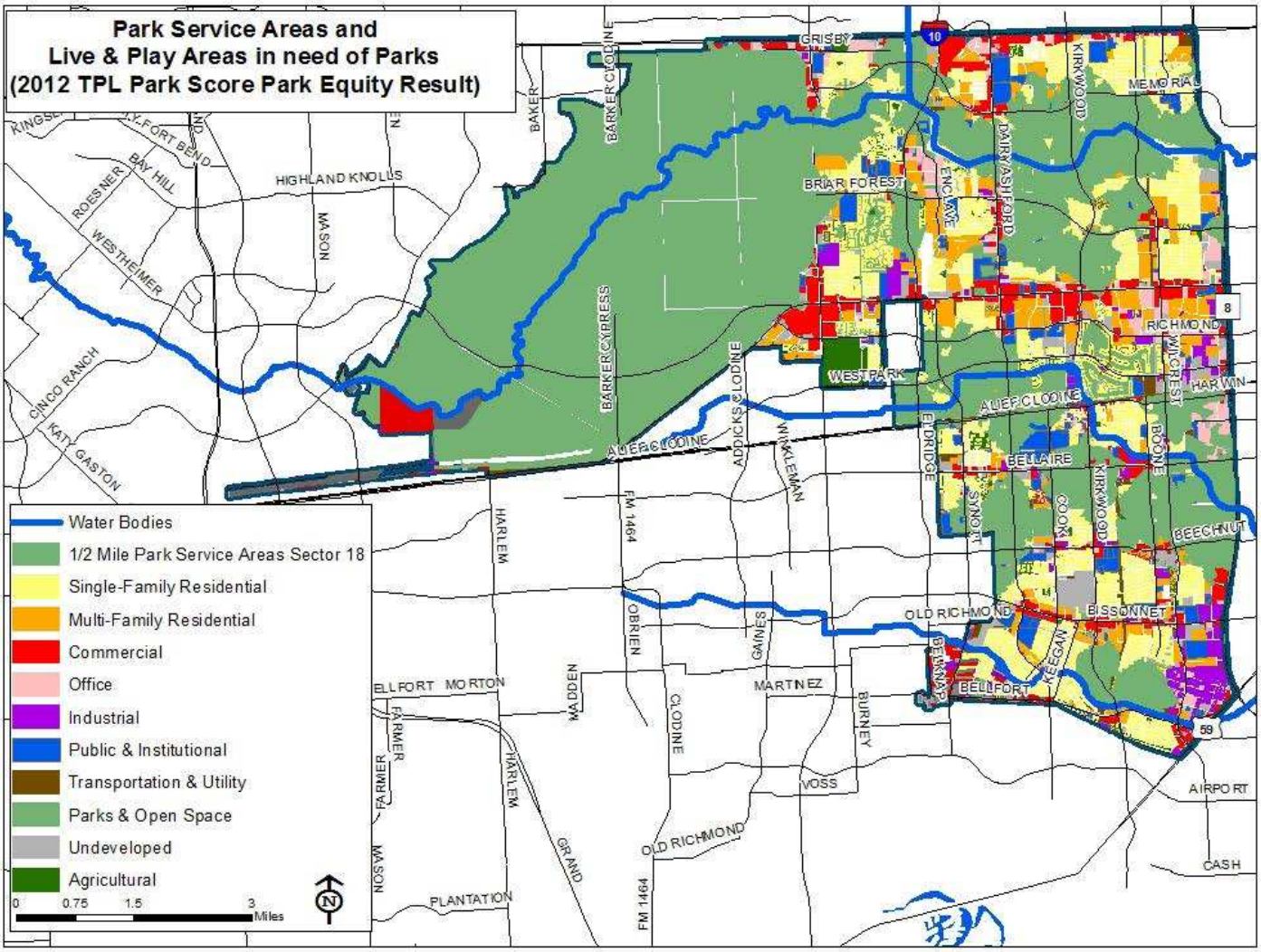


FIGURE 7. PARK SECTOR 18 PARK SERVICE AREAS (1/2 MILES ACCESS) AND LIVE/PLAY AREAS OF NEED

AMENITIES AND SERVICES

Figure 7 shows some of the community services available in this Park Sector: community centers, libraries, and community service providers. There are three HPARD community centers located in this Park Sector: Alief, Kendall, and Hackberry Community Centers. The Kendall Community Center is located inside the Kendall Library.

The West Houston Community Center is a charitable organization that provides space for drug and alcohol abuse support programs to meet, such as: Alcoholics Anonymous, Cocaine Anonymous, and Palmer Drug Abuse Program.
The libraries in this Park Sector provide computer access, community meeting space and educational programs.

The Addicks Park and Ride is located just north of I-10 east of Highway 6 and the Mission Bend Park and Ride is just south of Alief Clodine west of Eldridge. The libraries in this Park Sector provide computer access, community meeting space, and educational programs.

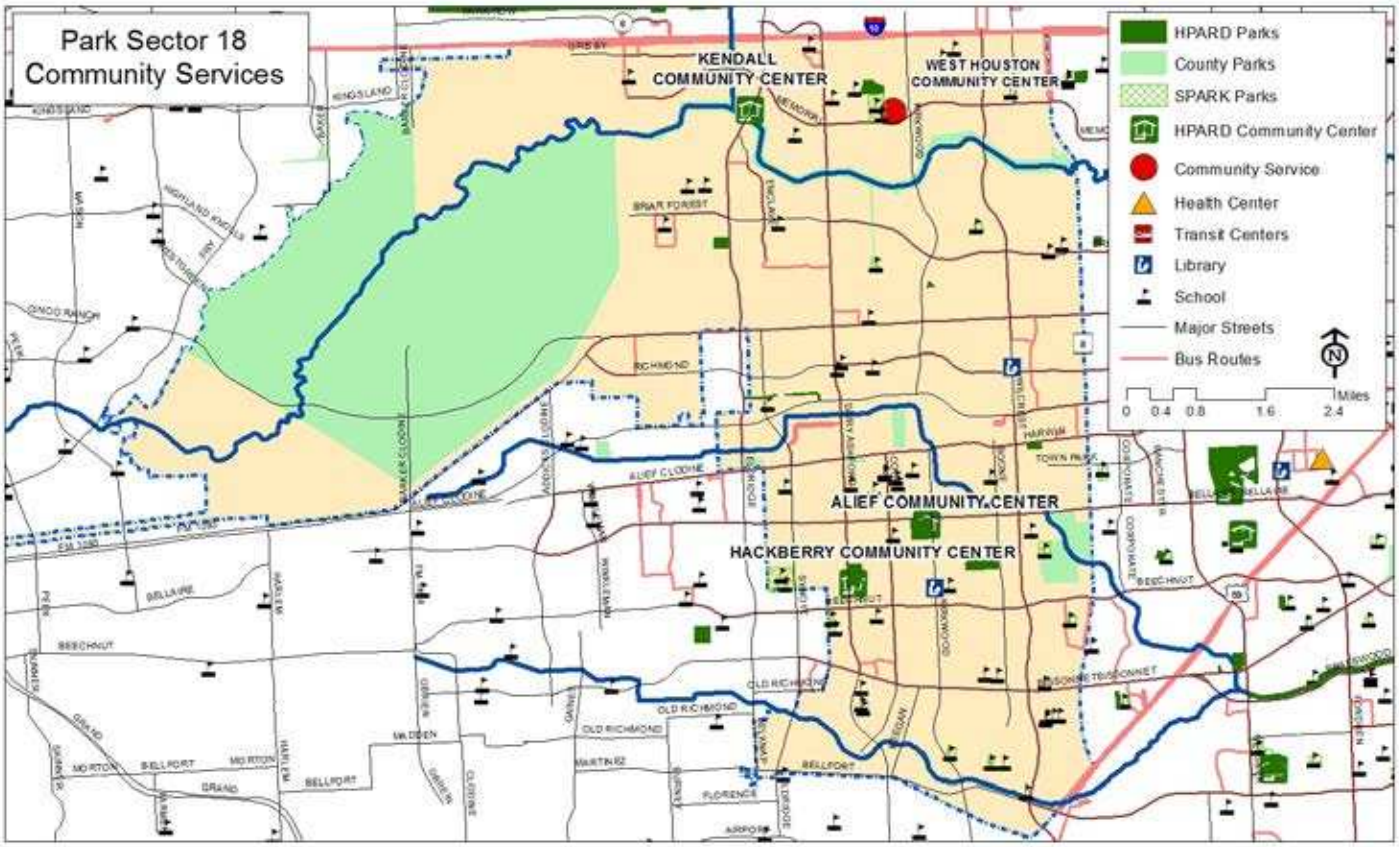


FIGURE 8. PARK SECTOR 18 COMMUNITY SERVICES AND PUBLIC TRANSIT

Amenities - Level of Service

The HPARD standards by amenity have been applied to the amenities in Park Sector 18. The standard for each amenity is then compared to the 2010 Census population data for this Park Sector to determine if the standard has been met or if more amenities are needed. The last two columns show the number of facilities needed to meet the standard using HPARD inventory only and using all providers in the Park Sector. According to these recommended HPARD standards, HPARD, Harris County and other providers are meeting the needs of the residents for baseball and soccer fields. This Park Sector is deficient in (36) playgrounds, picnic shelters (6), outdoor basketball courts (17), tennis courts (18), volleyball courts (5) dog parks (2), skate parks (2), community centers (5), swimming pools (4), outdoor spray grounds (1), and softball fields (8).

The apparent significant shortage of playgrounds (36) should be explored and the possibility of additional SPARK Parks could help as part of the strategy to meet the needs in this Park Sector. There is potential for establishment of additional SPARK parks in this area based on the existence and location of schools. Five of the eight properties managed by HPARD have playgrounds; of the properties which do not have playgrounds, one is undeveloped, and the other two seem too small to provide a playground.

	HPARD	Harris County	Other Providers	Total	Recommended HPARD Standard		Current HPARD Level of Service		Current Total Inventory Level of Service		HPARD NEEDS Over/ Under Service	Total Inventory NEEDS Over/ Under Standard
								Population	240,553			
Playgrounds	6	9	9	24	1	4,000	1	40,092	1	10,023	54	36
Picnic Shelters	5	10	3	18	1	10,000	1	48,111	1	13,364	19	6
Trails	5.1	26.3	0.83	32	0.2	1,000	0.02	1,000	0.13	1,000	43	16
Outdoor Basketball Courts	1	0	2	3	1	12,000	1	240,553	1	80,184	19	17
Tennis	4	2	0	6	1	10,000	1	60,138	1	40,092	20	18
Volleyball	0	0	0	0	1	50,000	0	240,553	0	240,553	5	5
Dog Parks	0	0	0	0	1	100,000	0	240,553	0	240,553	2	2
Skate Parks	0	0	0	0	1	100,000	0	240,553	0	240,553	2	2
Community Centers	3	0	0	3	1	30,000	1	80,184	1	80,184	5	5
Swimming Pools	1	0	0	1	1	50,000	1	240,553	1	240,553	4	4
Outdoor Spraygrounds	1	0	0	1	1	100,000	1	240,553	1	240,553	1	1
Baseball (Lit & Unlit)	2	6	0	8	1 field	30,000	1	120,277	1	30,069	6	0
Softball (Lit & Unlit)	0	0	0	0	1 field	30,000	0	240,553	0	240,553	8	8
Soccer (Lit & Unlit)	7	47	1	55	1 field	10,000	1	34,365	1	4,374	17	-31

TABLE 9. LEVEL OF SERVICE FOR AMENITIES IN PARK SECTOR 18
A negative number in the last two columns means there is a surplus, a positive number means there is a need.

Status of Projects (POS/CIP/CDBG/Grants)

- Alief Park: A new hike and bike trail was installed in June 2011.
- Harwin Park: In August 2012 a project was completed that included a new walking trail, accessible parking spaces with an accessible ramp, parking lot striping, accessible signage, site furnishings, and drainage improvements.
- Kendall Community Center: In 2011, a new library and community center were built.
- The West Side Hike and Bike trail was replaced in 2014.

SUPPLEMENTAL MAPS:

Park Sector 18 Council Districts

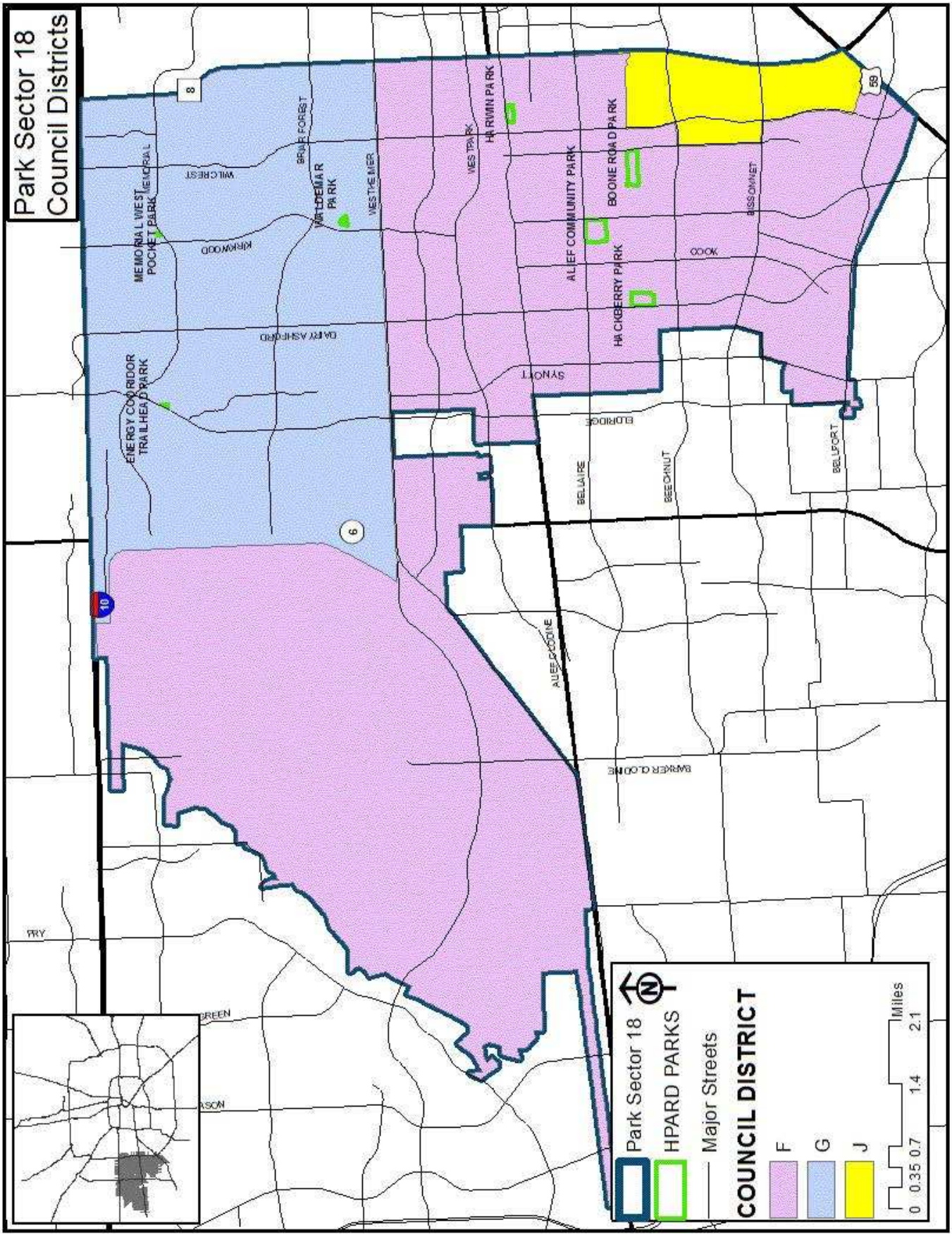


FIGURE 1: PARK SECTOR 18 COUNCIL DISTRICTS

Park Sector 18 Tax Increment Reinvestment Zone (TIRZs) and Management Districts

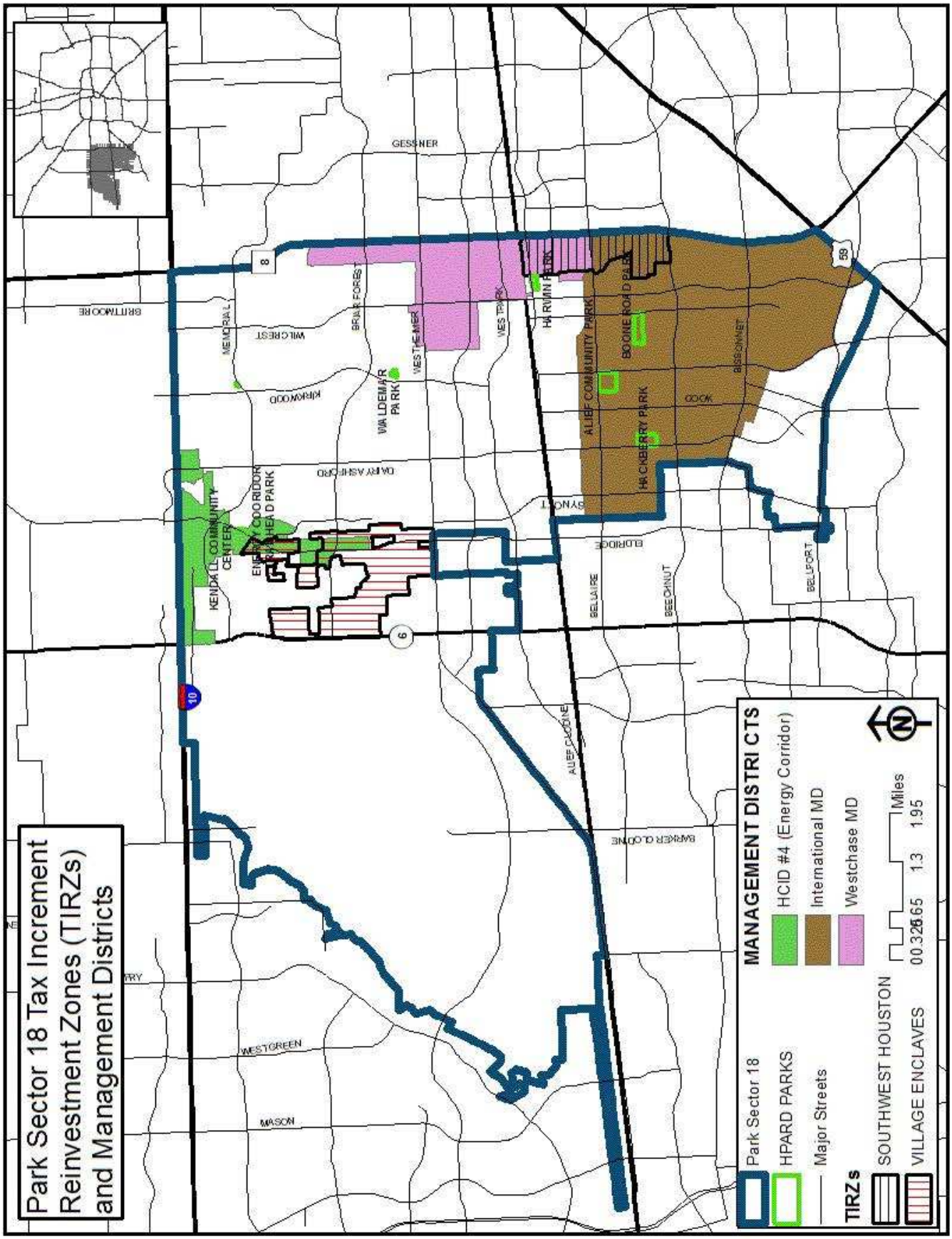


FIGURE 2: PARK SECTOR 18 MANAGEMENT DISTRICTS AND TIRZS

Park Sector 18 Super neighborhoods

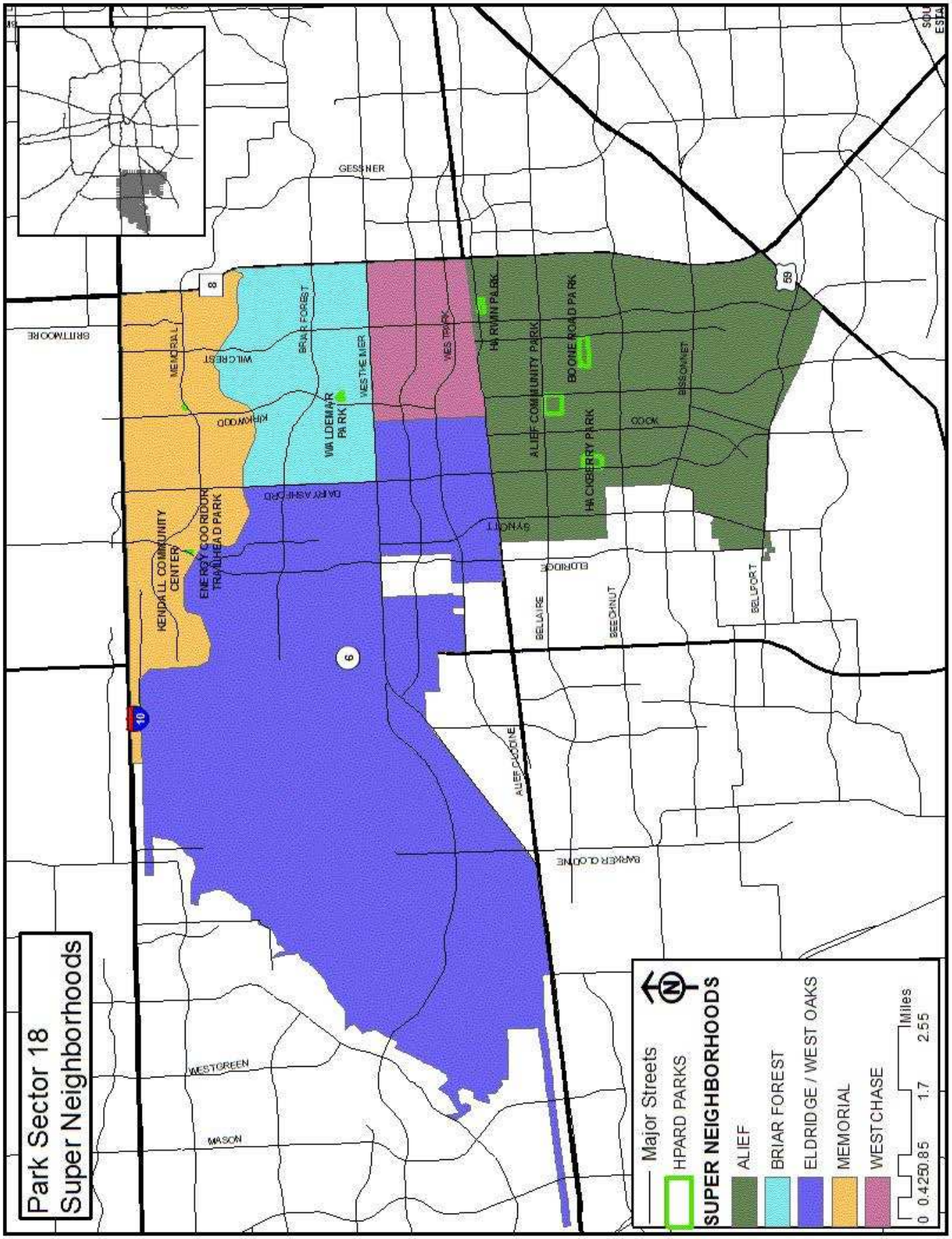


FIGURE 3: PARK SECTOR 18 SUPER NEIGHBORHOODS

Park Sector 18 Floodplain Areas

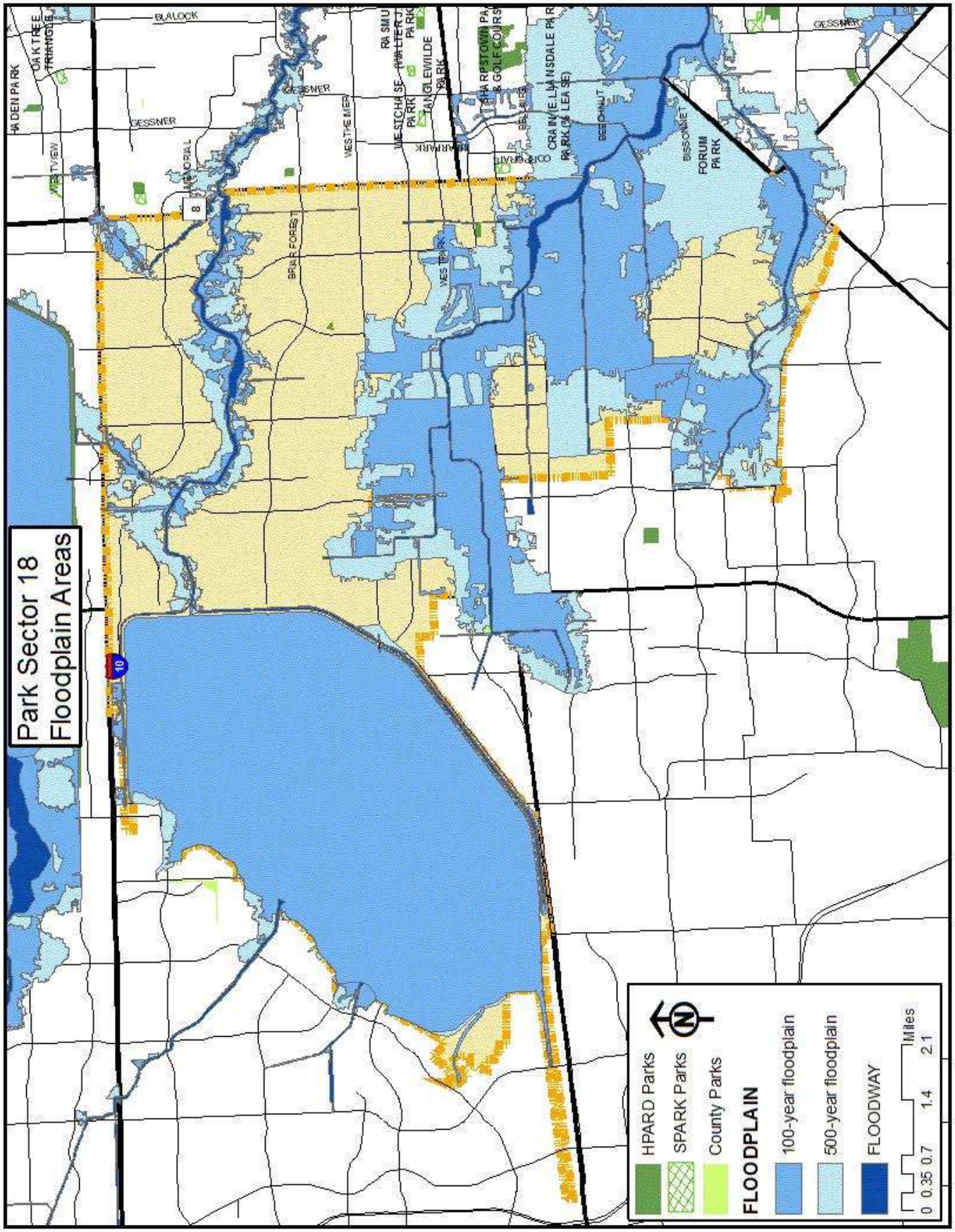


FIGURE 4: PARK SECTOR 18 FLOODPLAIN AREAS