PARK SECTOR 4

PARK SECTOR 4 SUMMARY

PARK SECTOR 4 PRIORITIES

These priorities were developed by using condition assessment information from site visits, standard-based needs analysis (NRPA standards and data provided by 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. Revitalize existing parks
2. Develop Neighborhood connections to parks and trails
3. Develop new park facilities
4. Preserve environmentally sensitive areas
5. Develop partnerships with the school system and other entities
6. Acquire new parkland

RECOMMENDATIONS

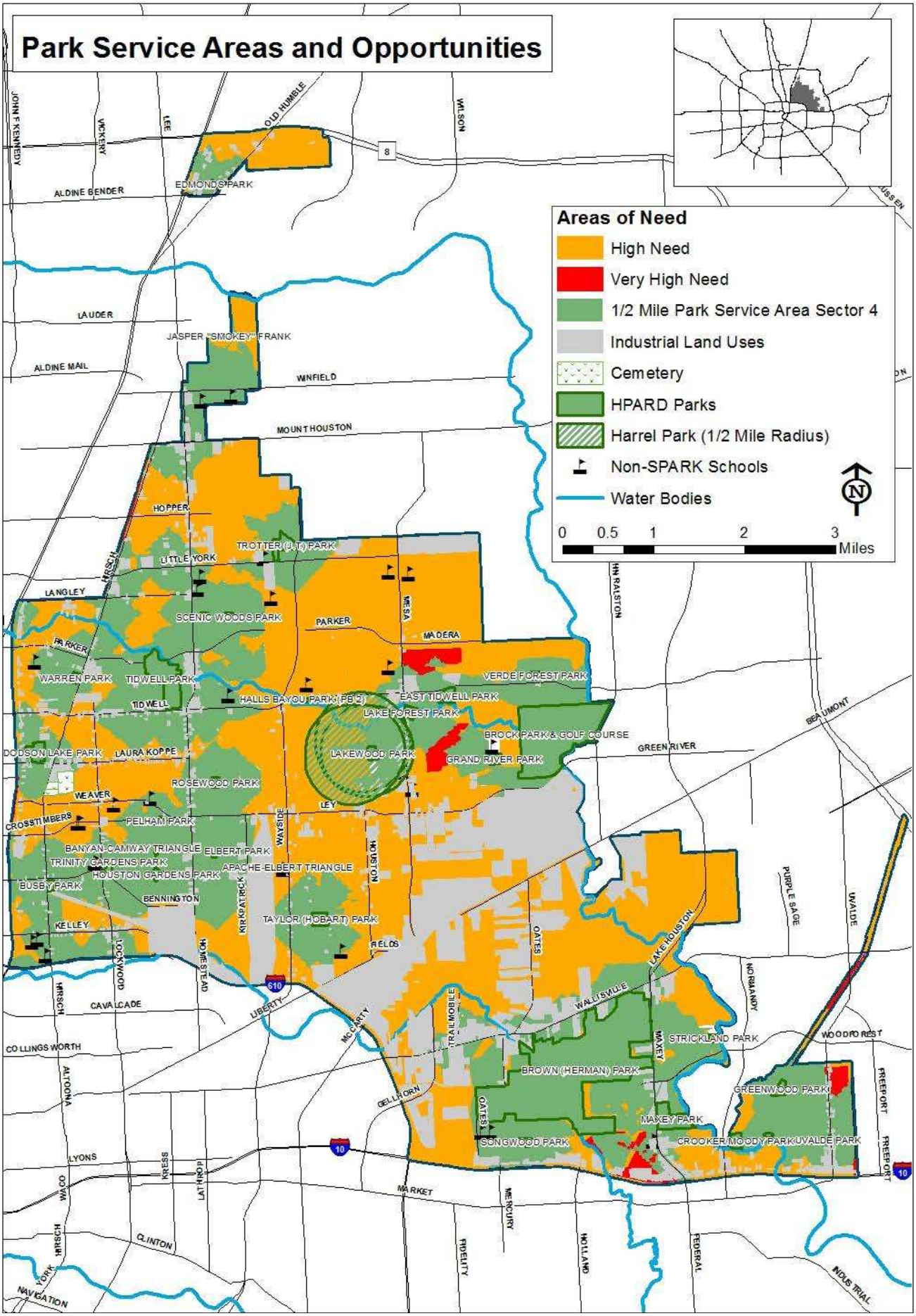
The parks in Park Sector 4 that have the highest need for redevelopment are listed from greatest need to least need: Trinity Gardens Park, Gleason Park, Greens Bayou Park, Jasper "Smokey" Frank Park, and Trotter (J.T.) Park.

At the current population, there is sufficient parkland; however, there are gaps in service areas in many areas of the Park Sector. There are large tracts of undeveloped land as well as land classified as agricultural in this Park Sector.

Almost 67% of the population in this Park Sector have incomes considered to be low to moderate. Pursuing Community Development Block Grants (CDBG) for park improvements should be a priority. Schools not participating in the SPARK School Park Program (Non-SPARK schools) should be explored as potential future partnerships for park space. In addition, CDBG funding could be considered in partnership with the SPARK program to add park space to the system and provide improvements at Non-Spark Schools. As there is little redevelopment occurring in this sector, this Park Sector should be targeted for CIP and bond funds for future development and land acquisition.

Also, while many amenity needs are met based on the 2010 population, existing amenities should be updated as many are aged or in poor condition. This Park Sector is deficient in volleyball courts and skate parks. There are several parks in this Park Sector that remain undeveloped that could be developed with needed amenities. There are approximately 18 miles of trails planned for the bayous in this Park Sector under the Bayou Greenways 2020 (BG2020 Initiative) program. In the 2014 survey, the top three priorities of residents in Park Sector 4 when asked what recreational needs existed in their Neighborhood were: upgraded community centers, hike, bike and walk trails, and gymnasiums. Other services and amenities that residents asked for in the write-in portion of the survey were: community gardens, senior facilities and programming, kayaking facilities, track and field programming, bike safety courses, swim lessons, fishing activities, nutrition and fitness programming, dance and theater programs, flag football leagues, and senior programming. Because of the health profile (obesity, 41.5%, and diabetes, 15.8%, levels higher than the city as a whole of 30.8% and 11.4% respectively) of this Park Sector, partnerships focused on recreational options and programming that promote healthy living should be explored.

Sources: 2010 US Census, 2010 Health of Houston Survey, American Community Survey 2013, Houston Parks Board, HPARD 2014 Online Survey, Trust for Public Land ParkScore™ Project and Houston-Galveston Area Council population projections for 2040 by Park Sector.


Park Service Areas and Opportunities
Areas of Need
High Need
Very High Need
1/2 Mile Park Service Area Sector 4
Industrial Land Uses
Cemetery
HPARD Parks
Harrel Park (1/2 Mile Radius)
Non-SPARK Schools
Water Bodies
0 0.5 1 2 3 Miles
EDMONDS PARK
JASPER "SMOKEY" FRANK
TROTTER (J.T.) PARK
SCENIC WOODS PARK
WARREN PARK
TIDWELL PARK
HALLS BAYOU PARK (PB 2)
EAST TIDWELL PARK
LAKE FOREST PARK
VERDE FOREST PARK
BROCK PARK & GOLF COURSE
GRAND RIVER PARK
LAKEWOOD PARK
DODSON LAKE PARK
LAURA KOPPE
ROSEWOOD PARK
PELHAM PARK
BANYAN-CAMWAY TRIANGLE
TRINITY GARDENS PARK
HOUSTON GARDENS PARK
ELBERT PARK
APACHE-ELBERT TRIANGLE
BUSBY PARK
BENNINGTON
TAYLOR (HOBART) PARK
STRICKLAND PARK
BROWN (HERMAN) PARK
GREENWOOD PARK
MAXEY PARK
SONGWOOD PARK
CROOKER/MOODY PARK
UVALDE PARK
OLD HUMBLE
ALDINE BENDER
LAUDER
ALDINE MAIL
WINFIELD
MOUNT HOUSTON
HOPPER
LITTLE YORK
LANGLEY
PARKER
MADERA
GREEN RIVER
BEAUMONT
LIBERTY
CAVALCADE
COLLINGSWORTH
LYONS
MARKET
CLINTON
NAVIGATION
WALLISVILLE
LAKE HOUSTON
WOODPOREST
FREEPORT
INDUSTRIAL

EXISTING HPARD PARKS

Facility Name	Address	Street	Total Acres	Trail Length
Pocket Parks				
Apache-Elbert Triangle	7000	Elbert	0.81	N/A
Banyan-Camway Triangle	7200	Camway/6900 Banyan	0.78	N/A
Total HPARD Pocket Park Acreage			**1.59**	
Neighborhood Parks				
Busby Park	6700	Hirsch	5.83	N/A
Crooker/Moody Park	400	Westmont/West Canal	11.00	N/A
Darien Park	7100	Darien	1.00	N/A
East Tidwell Park	9300	E. Tidwell	14.34	N/A
Edmonds Park	6400	Hamblen	2.90	N/A
Elbert Park	7400	Banyan	1.00	N/A
Gleason Park	7200	Gleason	3.44	N/A
Grand River Park	8400	Grand River	9.96	N/A
Greens Bayou Park	700	Westmont Dr	3.30	N/A
Greenwood Park	602	Beresford	10.30	N/A
Halls Bayou Park (PB2)	8000	Tidwell @ Halls Bayou	3.49	N/A
Houston Gardens Park	6901	Apache	7.88	0.39
Lake Forest Park	9200	Mesa Dr	9.32	0.43
Lakewood Park	8811	Feland	9.20	0.14
Pelham Park	7500	Fountaine	3.00	N/A
Rosewood Park	8200	Darien	5.72	0.36
Scenic Woods Park	7449	Lakewood	5.16	0.34
Songwood Park	548	Westshire	6.75	0.33
Strickland Park	300	Highridge/Tammarack	6.10	N/A
Trinity Gardens Park	4903	Bennington	5.10	N/A
Uvalde Park	1020	Uvalde	1.03	N/A
Verde Forest Park	8800	Brock Park Blvd.	5.00	0.20
Warren Park	4301	Topping	6.00	N/A
Total HPARD Neighborhood Park Acreage			**136.82**	
Community Parks				
Dodson Lake Park	9010	Dodson	24.45	0.50
Jasper "Smokey" Frank	13400	River Trail Drive	19.98	N/A
Maxey Park	601	Maxey Rd	41.16	N/A
Taylor (Hobart) Park	8100	Kenton	15.21	0.49
Tidwell Park	9720	Spaulding	85.23	0.30
Trotter (J.T.) Park	7809	East Little York	26.77	N/A
Total HPARD Community Park Acreage			**212.80**	
Regional Parks				
Brock Park and Golf Course	8201	John Ralston	354.85	0.17
Brown (Herman) Park	400	Mercury Drive	717.35	4.41

Urban Trails/Shared Use Paths/Greenways		
Halls Bayou		2.40
	Total HPARD Park Acreage	**351.21**
	Total HPARD Trail Length	**10.50**

EXISTING COMMUNITY CENTERS AND POOLS

Community Centers and Pool Facilities	Address	Zip Code	Agency Responsible
Greenwood Park Pool	602 Beresford	77015	HPARD
Lakewood Community Center	8811 Feland	77028	HPARD
Taylor (Hobart) Community Center and Pool	8100 Kenton	77028	HPARD
Tidwell Community Center and Pool	9720 Spaulding	77016	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 31% of the live/play areas in this Park Sector are not served by a park, significantly 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 1,432 acres of parkland (Harris County, HPARD & other providers). Of the 26,888 acres in this Park Sector, 5% of this acreage is parkland.
- There are approximately 95,000 residents, 51% African-American and there is a high percentage of youth and seniors.
- Based on the standard of acreage of parkland per 1,000 residents, this Park Sector has sufficient parkland; however, as seen on the map there are gaps in parkland in some areas.
- H-GAC population projections estimate that this area will add roughly 20,000 residents by 2040.

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 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	30	13	34	16	16	2	1	1	3	3	2	20	9	10
2015 Existing	30	13	34*	16	16	0	1	0	3	3	2	20	9	10
2015 Needed	-	-	-	-	-	2	-	1	-	-	-	-	-	-
2040 Needed	-	-	-	-	-	-	-	1	-	-	-	-	-	-

* This number includes miles of trails currently planned along Greens Bayou (9 miles), Halls Bayou (5 miles) and Hunting Bayou (4 miles) under the Bayou Greenways (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 and 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 per resident 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 OPERATIO AND MAINTENANCE
2015	$5,000,000	0 Acres $0	$30,000,000	$6,000,000
2040	$9,000,000	0 Acres $0	$64,000,000	$1,000,000
TOTAL 2040	$14,000,000	0 Acres $0	$94,000,000	$7,000,000

PARK SECTOR PROFILE 4

LOCATION AND POLITICAL BOUNDARIES

Park Sector 4 is located east of US 59, north of IH-610 and I-10, and southwest of Beltway 8
Park Sector Size: 26,888 acres or 42.01 square miles.
Population: 95,417 people, Density: 2,271 persons/sq. mi.
Political Boundaries within Park Sector 4:

- Council Districts: B and I
- Super neighborhoods contained in this Park Sector: Eastex-Jensen Area, East Little York/ Homestead, IAH/ Airport Area, Trinity/ Houston Gardens, Kashmere Gardens, Settegast, East Houston, El Dorado/Oates Prairie, Hunterwood, Northshore
- TIRZ: LeLand Woods
- Management Districts: Greater Northside

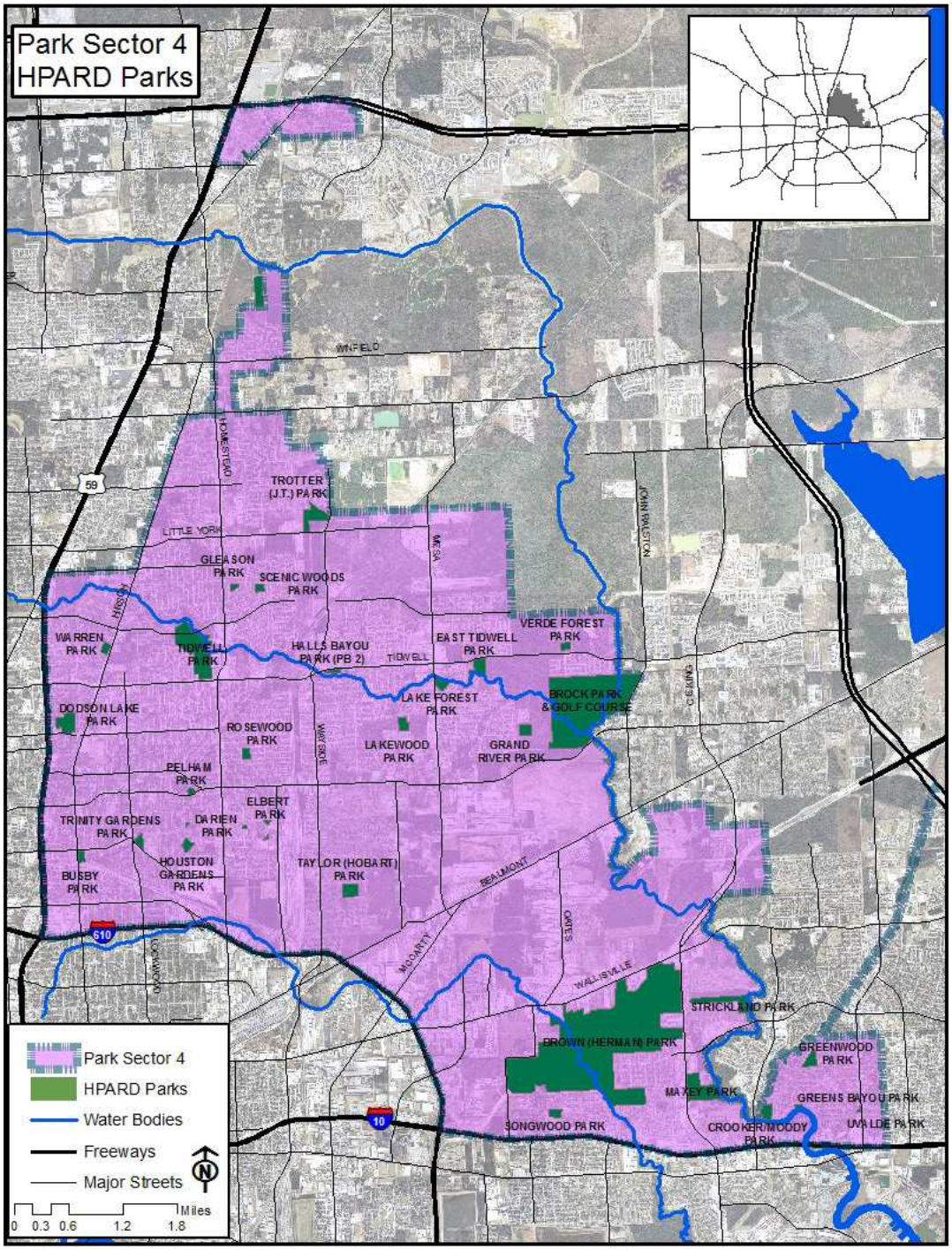


FIGURE 1. PARK SECTOR 4 BOUNDARY AND HPARD PARKS

DEMOGRAPHIC PROFILE

Ethnicity

	Park Sector 4 Population	Park Sector 4 Percent of Total	Houston Population	Houston Percent of Total
Total Population	**95,417**	-	2,119,831	-
Hispanic or Latino	39,968	41.9%	919,668	43.8%
Non-Hispanic White	5,551	5.8%	537,901	25.6%
Non-Hispanic Black	48,831	51.2%	485,956	23.1%
Non-Hispanic American-Indian	159	0.2%	126,098	6.1%
Non-Hispanic Asian	253	0.3%		
Non-Hispanic Hawaiian or Pacific Islander	8	0.0%		
Non-Hispanic Some Other Race	647	0.7%	26,828	1.3%

TABLE 1. PARK SECTOR 4 ETHNICITY (2010 CENSUS & CITY OF HOUSTON PLANNING AND DEVELOPMENT DEMOGRAPHIC DATA)

This Park Sector contains about 4.5% of the population of Houston; the majority (51%) of residents are Non-Hispanic Blacks, followed by Hispanic/Latino (42%), and Non-Hispanic Whites (6%). The most dense portions of the Park Sector are along I-10 on the eastern portion of the Park Sector and in the area north of Tidwell between Hempstead Highway and John Ralston Road. Density increases outside the city limits between the city limits/Park Sector and Beltway 8 and Highway 59.

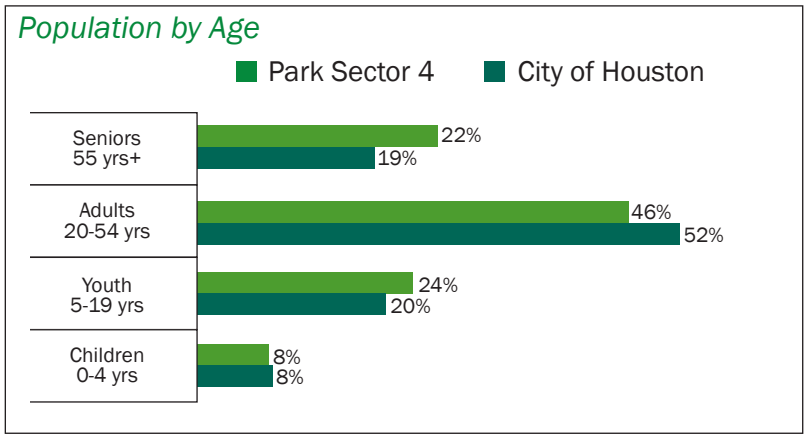


FIGURE 2. CITY OF HOUSTON VS. PARK SECTOR 4 AGE CITY OF HOUSTON ORTS BY HPARD PROGRAM AGES (2011 AMERICAN COMMUNITY SURVEY, CITY OF HOUSTON PD)

The age profile for this Park Sector shows that the percent of population under 19 (32%) is higher than the percentage of the rest of the city (28%). Further breakdown of the age groups, as shown in Figure 2., reveals that, the distribution of age groups in this Park Sector generally mirrors the same pattern as the entire City of Houston. There are slightly less (46%) adults 20-54 years old than the rest of the City of Houston (52%). These demographic trends can help inform future programming and park improvements.

Program Group	Age Groups	PS 4 Population	PS 4 Percent of Total	Program Age Group	City of Houston Population	City of Houston Percent of Total	Program Age Group
Children	0-4 yrs	8,220	8%	8%	166,066	8%	8%
Youth	5-9 yrs	7,980	8%	24%	148,843	7%	21%
	10-14 yrs	7,438	8%		135,622	7%	
	15-19 yrs	7,681	8%		140,673	7%	
Adults	20-34 yrs	20,311	21%	46%	539,348	26%	52%
	35-44 yrs	11,750	12%		286,117	14%	
	45-54 yrs	12,315	13%		265,060	13%	
Senior	55-64 yrs	10,135	10%	22%	204,852	10%	19%
	65 yrs +	11,482	12%		192,689	9%	

TABLE 2. CITY OF HOUSTON VS. PARK SECTOR 4 AGE CITY OF HOUSTON ORTS WITH FURTHER BREAKDOWN FOR ALL PROGRAM AGE GROUPS

Housing

There are a total of 30,348 housing units in this Park Sector. The percent of vacant housing in Park Sector 4 (12.3%) is the same as the vacancy rates for the entire city (12.3%). Home ownership for this Park Sector (51.5%) is much higher than that of the City of Houston's home ownership rate (39.7%); similarly, the share of renters (35.7%) is lower than that of the city's as a whole (47.1%).

Income

The median household income for this Park Sector ($28,410) is significantly lower than that of the City of Houston ($48,322). In this Park Sector seventy-three percent (73%) or 22,811 households in this area have an income below the Houston median household income. According to the City of Houston Housing and Community Development data (low or moderate income derived from 2000 Census as per federal regulations) 66.9% of the population are low to moderate income; therefore, this area could qualify for Community Development Block Grant (CDBG) funds.

Educational Attainment

Within Park Sector 4 the percent (7%) of individuals 25+ years of age with a Bachelor's degree or above is significantly lower than the relative percent for the entire City of Houston (28%). Conversely, the percentage of those within this Park Sector without a high school degree (37%) is higher than that of the City of Houston (25%).

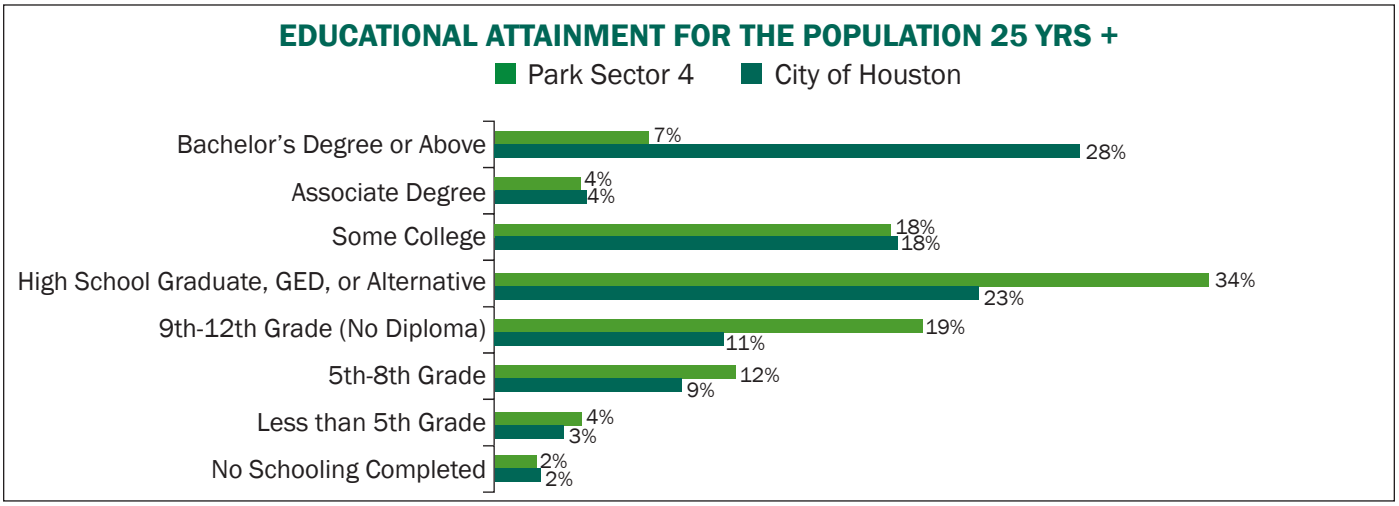


FIGURE 3. EDUCATIONAL ATTAINMENT (2011 CITY OF HOUSTON PD)

Community Health

The Health of Houston Survey 2010 data (aggregated by Park Sector by the Houston Department of Health and Human Services) shows that 41.5% 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. The survey also showed that 15.8% of the adult population received a diagnosis of diabetes by a professional, which is above the level for the entire city (11.4%). In addition, this survey inquired about physical activity level and the results indicate that almost 40% of the respondents in this Park Sector engage in a moderate physical activity for 5 or more days a week, which is higher 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 over a fifth of the population in this Park Sector (20.7%) does not engage in moderate physical activity at all, which is slightly 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.

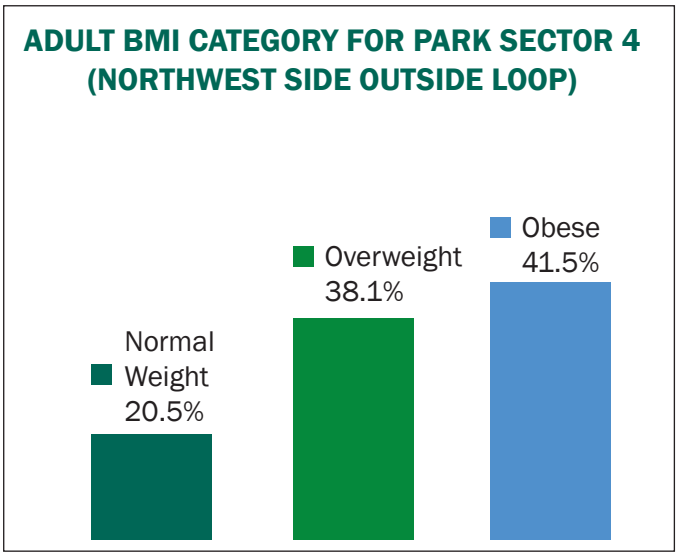


FIGURE 4. HEALTH OF HOUSTON SURVEY (2010)- ADULT BODY MASS INDEX

Moderate Physical Activity in the Last Seven Days	Percentage (%)
0	20.70
1	1.20
2	19.10
3	5.80
4	13.90
5	19.50
6	0.70
7	19.10

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

LAND USE ANALYSIS

Almost 68% of the parcels in Park Sector 4 are residential, making up almost one-third of the acreage (28%) in the area. This is a low percentage of residential parcels compared to other Park Sectors. Over a quarter of the acreage (25.6%) is undeveloped land; as seen on Figure 4, there are large tracts as well as many smaller parcels scattered amongst the single-family areas. Industrial land use takes up almost 14% of the acreage in this area. The industrial parcels are concentrated mostly along Liberty/Beaumont Highway and Wallisville Road. Thirteen percent (13.3%) of the acreage is public and institutional; the largest parcel is the former North Forest Independent School District property in the northeast area of this Park Sector.

	Number of Parcels	Percent of Parcels	Acreage of Parcels	Percent of Acreage
Single-Family	27,330	66.9%	6,714	27.9%
Multi-Family	294	0.7%	431	1.8%
Commercial	865	2.1%	780	3.2%
Office	50	0.1%	52	0.2%
Industrial	667	1.6%	3,352	13.9%
Public & Institutional	1,738	4.3%	3,192	13.3%
Transportation	720	1.8%	762	3.2%
Parks & Open Space	528	1.3%	1,166	4.9%
Undeveloped	8,534	20.9%	6,149	25.6%
Agriculture Production	75	0.2%	1,429	5.9%
TOTAL	40,820	100%	23,928	100%

TABLE 4. LAND USE BY DESCRIPTION (2013 HCAD)

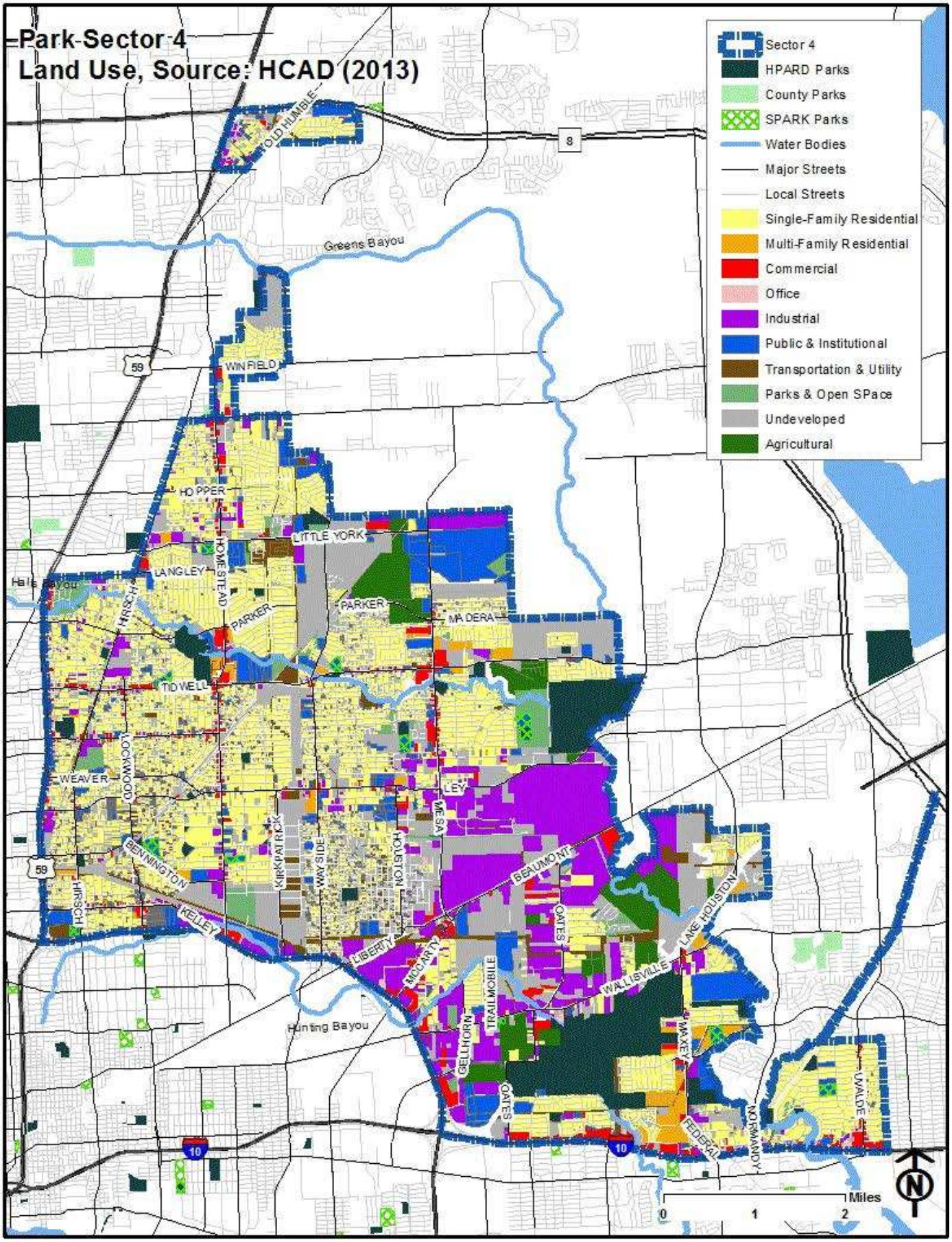


FIGURE 5. PARK SECTOR 4 LAND USE MAP (2011 HCAD) AND HPARD, COUNTY, AND SPARK PARKS

HPARD PARKS AND TRAILS

Facility Name	Address	Street	Total Acres	Trail Length
Pocket Parks				
Apache-Elbert Triangle	7000	Elbert	0.81	N/A
Banyan-Camway Triangle	7200	Camway/6900 Banyan	0.78	N/A
Total HPARD Pocket Park Acreage			**1.59**	
Neighborhood Parks				
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Tidwell Park	9720	Spaulding	85.23	0.30
Trotter (J.T.) Park	7809	East Little York	26.77	N/A
Total HPARD Community Park Acreage			**216.80**	
Regional Parks				
Brock Park & Golf Course	8201	John Ralston	354.85	0.17
Brown (Herman) Park	400	Mercury Drive	717.35	4.41

Urban Trails/Shared Use Paths/Greenways	
Halls Bayou	2.4
Total HPARD Park Acreage	**1,423.4**
Total HPARD Trail Length	**10.5**

TABLE 5. HPARD PARKS, ACREAGE, AND TRAILS INTERNAL TO HPARD PARKS, BAYOU AND URBAN/SHARED USE TRAILS IN PARK SECTOR 4

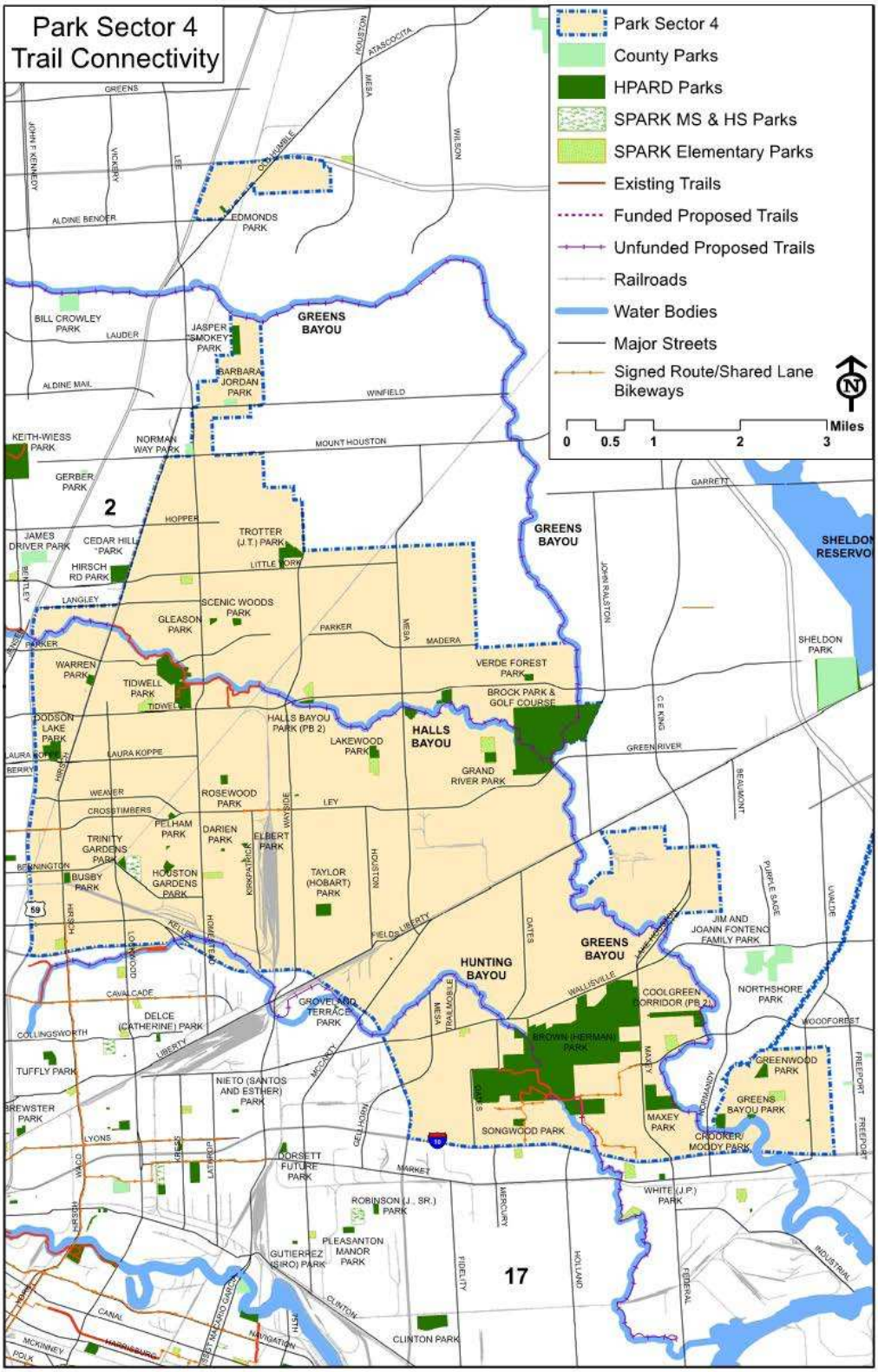

FIGURE 6. PARK SECTOR 4 BAYOU TRAILS, ON- AND OFF-STREET BIKEWAY SYSTEM (PWE), HPARD, COUNTY, SPARK, PRIVATE PARKS, BIKE/PED BRIDGES AND LIGHT RAIL

The Houston Parks and Recreation Department (HPARD) operates 33 parks in the area accounting for 1,414.4 acres of parkland. Harris County operates 1 park in this area, totaling 6.2 acres of parkland. Habitat for Humanity dedicated 2.33 acres of private parkland (to meet the requirements of the Parks and Open Space Ordinance) to serve the affordable housing subdivision, it is currently under construction. There are approximately 8.1 miles of trails inside HPARD parks, 0.5 miles inside of Harris County parks and 1.17 miles of trails inside SPARK parks in this Park Sector. Greens, Halls, and Hunting Bayous, flow across this Park Sector. Along Halls Bayou there is a 3.4 mile trail between Jensen Drive and Keith-Wiess Park maintained by Harris County. In addition, there is a 2.4 mile trail from Hirsch Road to Forest Brook High School maintained by HPARD. Along Hunting Bayou and inside Herman Brown Park there is a 4.4 trail. This brings the total of existing trails in this Park Sector to almost 16 miles. There are approximately 18 miles of trails planned for this area through the Bayou Greenways Initiative (BG 2020): 5.5 miles along Halls Bayou, 4 miles along Hunting Bayou and 9 miles along Greens Bayou.

EXISTING PARK FACILITIES

County Parks and Trails

County Park				
Facility Name	**Address**	**Street**	**Total Acres**	**Trail Length**
Barbara Jordan Park	6400	Winfield Road	6.20	0.50
Halls Bayou Trail				3.4
		Total HC Park Acreage	**6.20**	
		Total HC Trail Length		**3.9**

TABLE 6. TRAILS INTERNAL TO COUNTY PARKS, BAYOU AND URBAN/SHARED USE TRAILS IN PARK SECTOR 4

SPARK Parks

There are 10 Elementary Schools and 1 High School 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**
Cimarron Elementary School	816	Emporia	13.23	Playground, 0.2 mi Trail
Fonwood Elementary School	10719	Seneca St	7.77	2 Playgrounds, 0.19 mi Trail, Basketball Court
Hilliard Elementary School	8115	Houston Rd	12.49	Multi-Purpose Field
Houston Gardens Elementary School	6820	Homestead Rd	9.75	3 Playgrounds, Pavilion, 0.23 mi Trail
JW Oates Elementary School	10044	Wallisville Rd	12.49	Playground
Kashmere High School	6900	Wileyvale Rd	25.85	Baseball Field (unlit)
Lakewood Elementary School	8800	Grandriver Dr	26.69	Playground, 0.18 mi Trail
McDade Elementary School	5815	Hirsch Rd	7.56	Playground, 0.09 mi Trail
Robinson Elementary School	12425	Wood Forest Blvd	15.1	Playground
Shadydale Elementary School	5905	Tidewell Rd	12.97	Playground, 0.14 mi Trail
Tidwell Elementary School	8000	Tidwell Rd	9.14	Playground, 0.14 mi Trail
Total Acres*			**153.04**	

TABLE 7. SPARK PARK ELEMENTARY, MIDDLE AND HIGH SCHOOLS FOR PARK SECTOR 4 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 the data provided by The Trust for Public Land ParkScore™ Project. Figure 6 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, Park Sector 4 meets the standard. According to the HPARD recommended standards per park type (2007 HPARD Master Plan Criteria Facility Needs): 1 acres/1,000 people for a Neighborhood Park, Park Sector 4 also meets this standard. For the HPARD recommended standards per park type (2007 HPARD Master Plan Criteria Facility Needs): 1.5 acres/1,000 people for a Community Park, Park Sector 4 meets this standard. The analysis for level of service and needs is shown below. Currently, no parkland acquisition is needed in this Park Sector. Although the acreage per thousand standard is met for these park categories, the low density of this Park Sector makes it especially challenging to have a park within ½ a mile of all residential areas.

Park Type	HPARD Park Number	HC Park Number	Other Providers	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		95,417	
Pocket Park (<1 acre)	2	0	0	1.59	0	0	1.6	0.005 ac/ 1,000 people	0.02	0.02	-1.11	-1.11
Neighborhood Park (1-15 acres)	23	1	1	136.82	6.20	2.33	145.4	1 ac/1,000 people	1.43	1.52	-41.40	-49.93
Community Park (16-150 acres)	6	0	0	212.80	0	0	212.8	1.5 ac/1,000 people	2.23	2.23	-69.67	-69.67
Regional Park (151+ acres)	2	1	1	1,072.2	0	0	1,072.2	8.0 ac/1,000 people				
TOTAL	31	0	0	1,423.4	6.20	2.33	1,420.6				-112.19	-49.93

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 (TPL) ParkScore™ Project 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 in Figure 7 represent the area within ½ mile of existing parks not blocked by freeways or major roads. Roughly 31% of the live/play areas (residential= yellow and orange and some commercial= red) in this Park Sector are not served by a park, significantly 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 single-family and multi-family areas that are not served by a park are mainly concentrated in the northern portion of the Park Sector. The hatched areas are not accounted in the percentage for the areas served at this time, so the park service area percentage is underestimated.

AMENITIES AND SERVICES

The next map shows some of the community services available in this area: community centers, health centers, transit centers, schools, libraries, and YMCAs. There are three community centers located in Park Sector 4: Lakewood, Taylor (Hobart) and Tidwell Community Centers. The Northeast YMCA is located in this Park Sector. There are very few community services located in this Park Sector, although there are some organizations (Parkway Community Center, Northside Health Center, Denver Harbor Senior Center) that are located adjacent to the Park Sector area that could potentially be utilized by residents. The libraries in this Park Sector provide computer access, community meeting space, and educational programs.

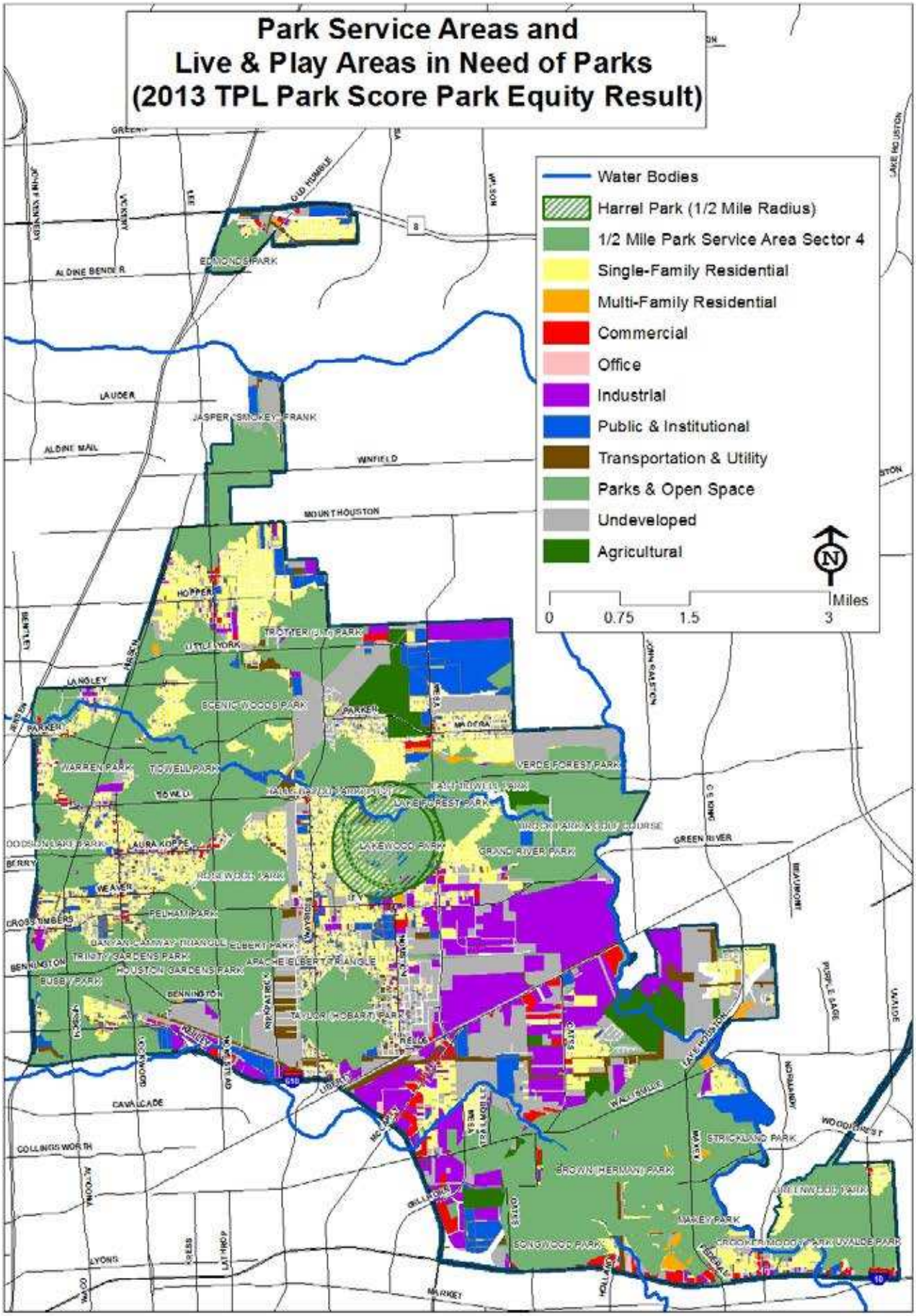

FIGURE 7. PARK SECTOR 4 PARK SERVICE AREAS (1/2 MILES ACCESS) AND LIVE/PLAY AREAS OF NEED

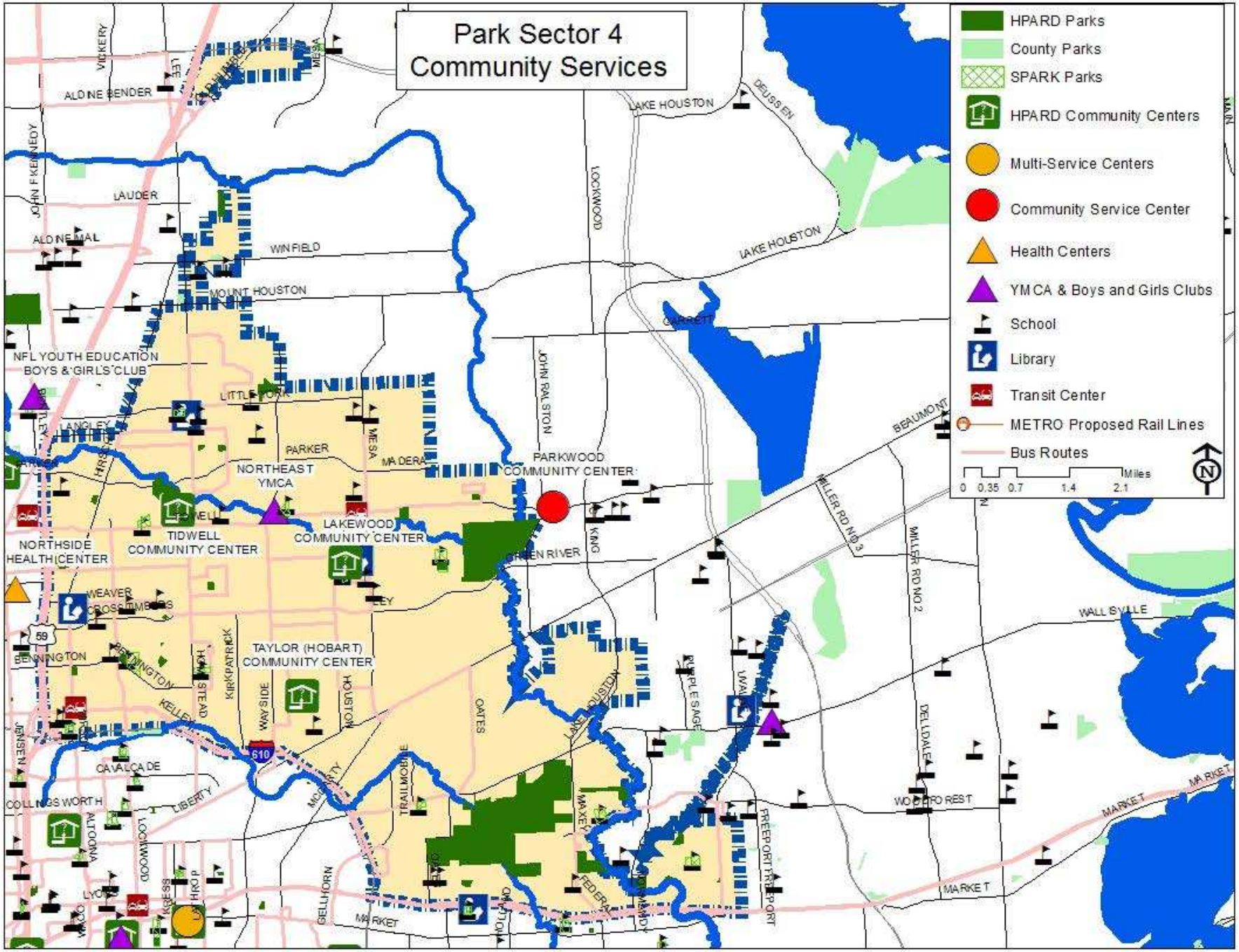

FIGURE 8. PARK SECTOR 4 COMMUNITY SERVICES AND PUBLIC TRANSIT

Amenities-Level of Service

The 2007 HPARD standards by amenity have been applied to the amenities in Park Sector 4. The first column after the recommended HPARD standards indicates the level of service (LOS) accounting for HPARD facilities only, the total inventory standard accounts for facilities from all providers. Then, the standard for each amenity is 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, Harris County and other providers are meeting the needs of the residents for playgrounds, picnic shelters, outdoor basketball courts, tennis courts, skate parks, community centers, swimming pools, outdoor spraygrounds, ball fields, and soccer fields. This Park Sector is deficient in trails (2 miles), volleyball courts (1), and dog parks.

	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	95,417			
Playgrounds	16	2	12	30	1	4,000	1	5,964	1	3,181	8	-6
Picnic Shelters	11	1	1	13	1	10,000	1	8,674	1	7,340	-1	-3
Trails	13.2	2.90	1.17	17.22	0.2	1,000	0.14	1,000	0.18	1,000	6	2
Outdoor Basketball Courts	15	0	1	16	1	12,000	1	6,361	1	5,964	-7	-8
Tennis	14	2	0	16	1	10,000	1	6,816	1	5,964	-4	-6
Volleyball	0	0	0	0	1	50,000	0	95,417	0	95,417	2	2
Dog Parks	1	0	0	1	1	100,000	1	95,417	1	95,417	0	0
Skate Parks	0	0	0	0	1	100,000	0	95,417	0	95,417	1	1
Community Centers	3	0	0	3	1	30,000	1	31,806	1	31,806	0	0
Swimming Pools	3	0	0	3	1	50,000	1	31,806	1	31,806	-1	-1
Outdoor Spraygrounds	2	0	0	2	1	100,000	1	47,709	1	47,709	-1	-1
Baseball (Lit & Unlit)	19	0	1	20	1 field	30,000	1	5,022	1	4,771	-16	-17
Softball (Lit & Unlit)	9	0	0	9	1 field	30,000	1	10,602	1	10,602	-6	-6
Soccer (Lit & Unlit)	10	0	0	10	1 field	10,000	1	9,542	1	9,542	0	0

TABLE 9. LEVEL OF SERVICE FOR AMENITIES IN PARK SECTOR 4
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)

There are currently no projects in progress in this Park Sector.

SUPPLEMENTAL MAPS: Park Sector 4 Council Districts

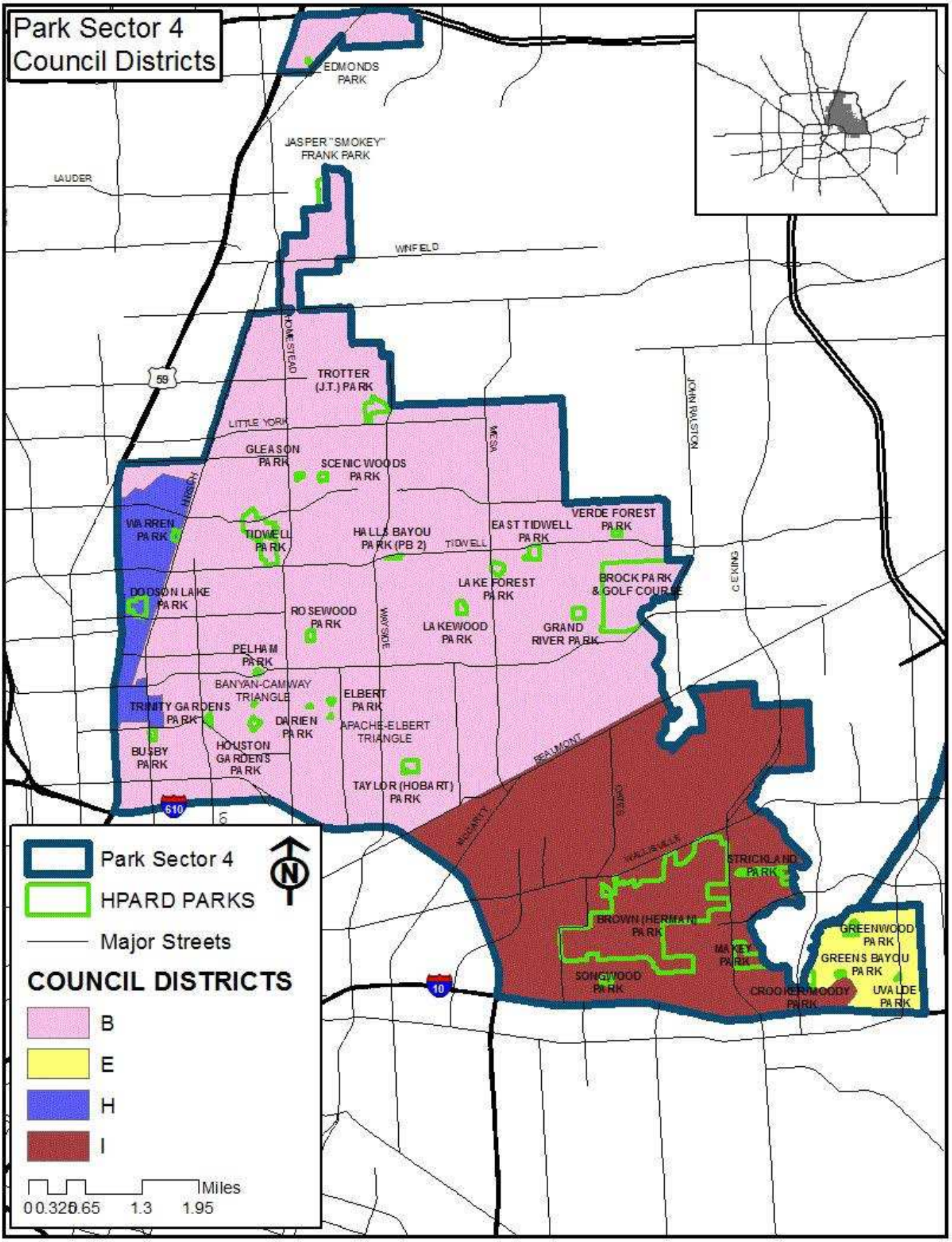

FIGURE 1: PARK SECTOR 4 COUNCIL DISTRICTS

Park Sector 4 Tax Increment Reinvestment Zones (TIRZs) and Management Districts

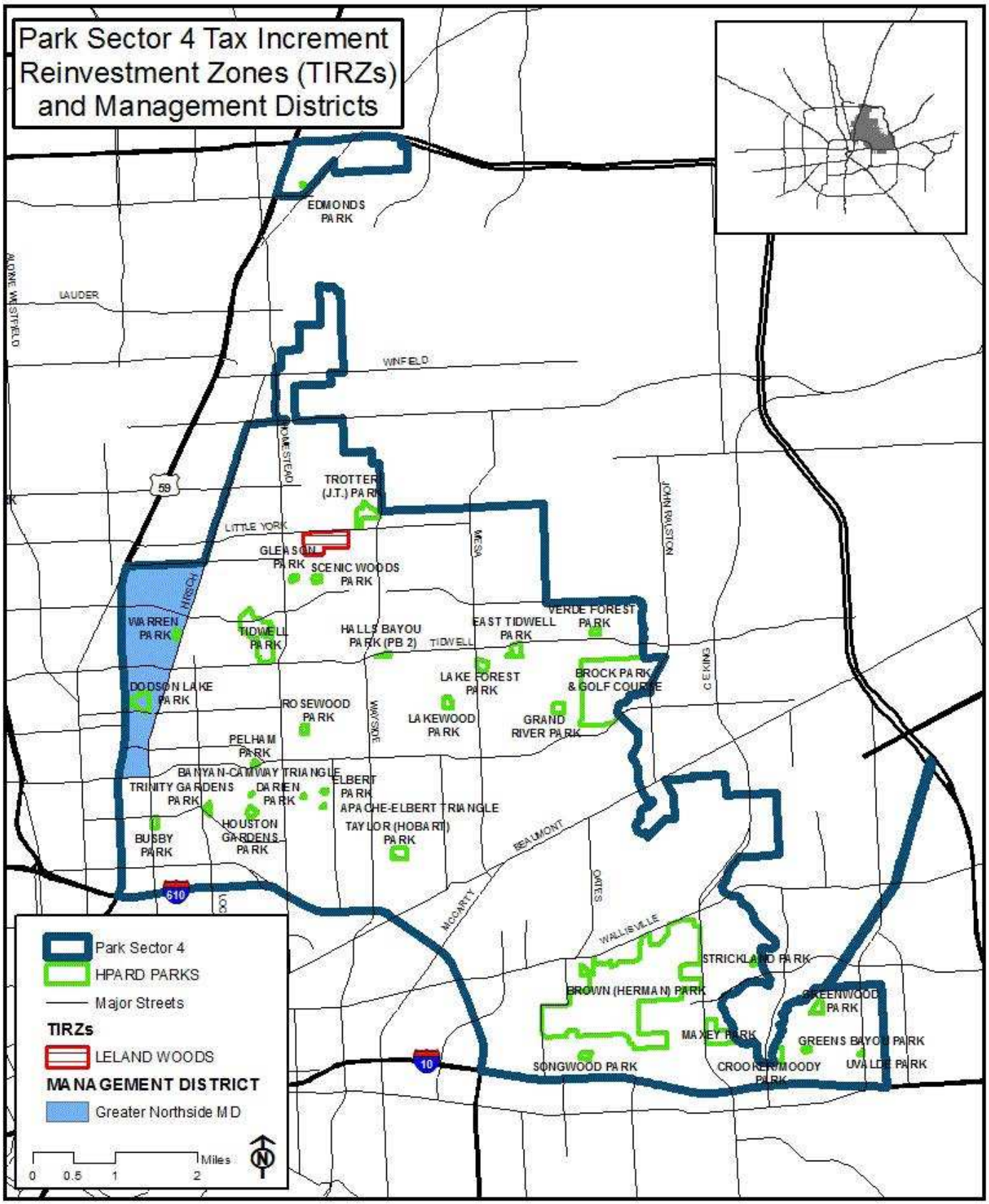

FIGURE 2: PARK SECTOR 4 MANAGEMENT DISTRICTS AND TIRZS

Park Sector 4 Super neighborhoods

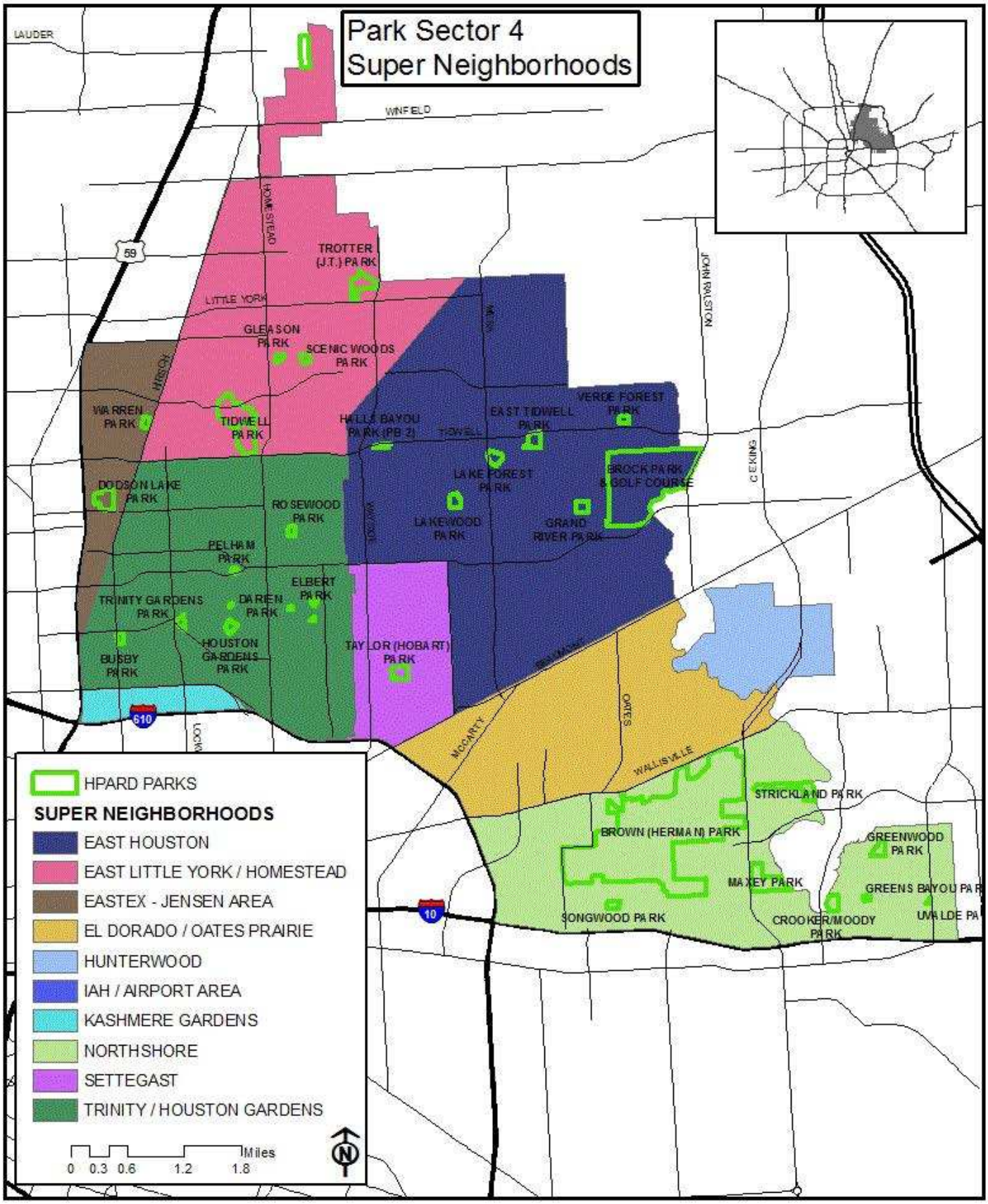

FIGURE 3: PARK SECTOR 4 SUPER NEIGHBORHOODS

Park Sector 4 Floodplain Areas

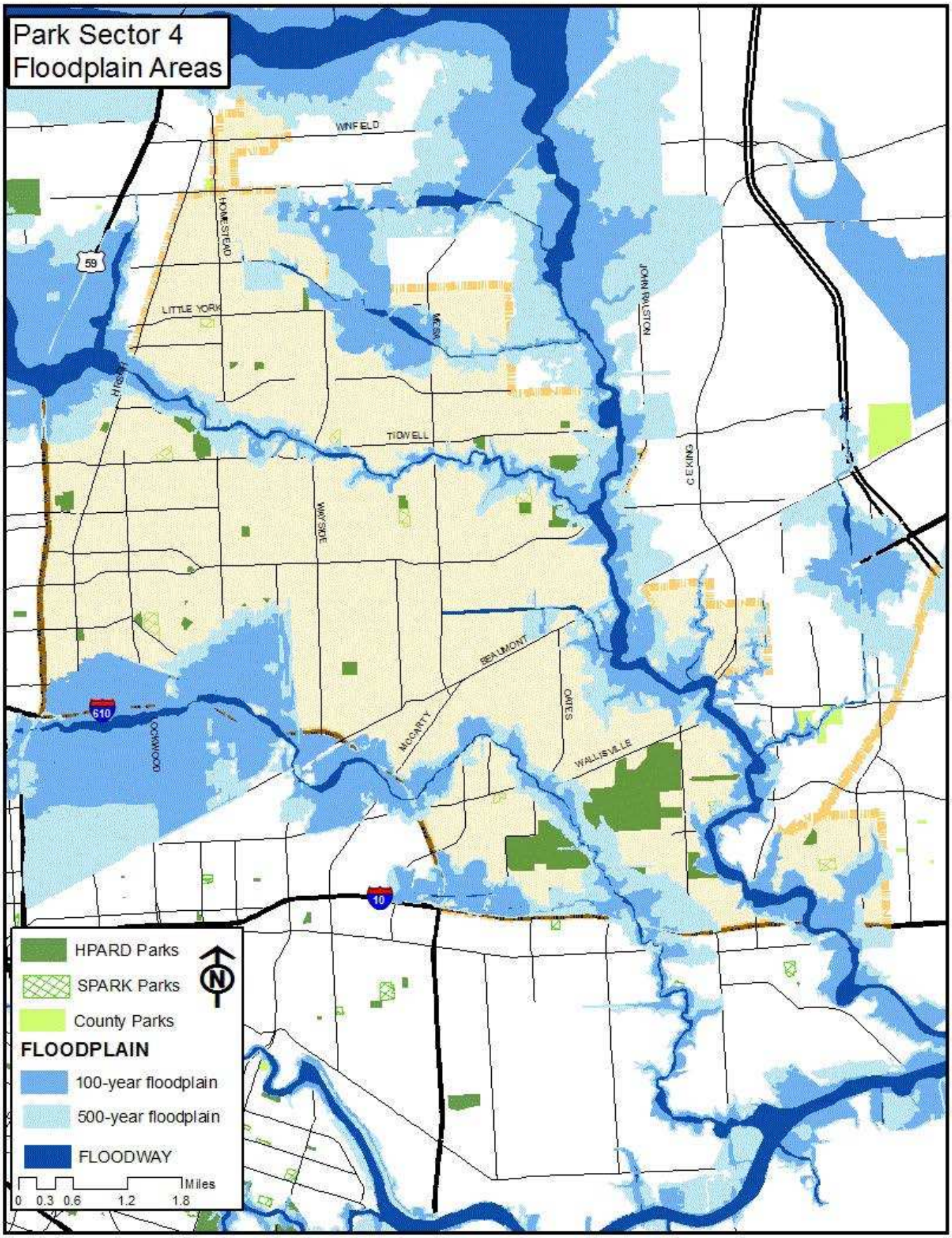

FIGURE 4: PARK SECTOR 4 FLOODPLAIN AREAS