



**PARK  
SECTOR  
21**

# PARK SECTOR 21 SUMMARY

## PARK SECTOR 21 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. Develop new park facilities
2. Develop Neighborhood connections to parks and trails
3. Acquire new parkland
4. Develop partnerships with the school system and other entities
5. Preserve environmentally sensitive areas
6. Revitalize existing parks

## RECOMMENDATIONS

Williams Park in this Park Sector has the greatest need for redevelopment. However, the Sterling Knoll Association is responsible for maintenance until 2029. The only two other HPARD parks in this sector, Sagemont Park and Rodriguez (Sylvan) Park, both recently received renovations.

Currently, there is no need for additional parkland because of the low population in the area. However, there are areas of need with no access to parks, which are closest to Beltway 8, I-45 and Scarsdale. Schools not participating in the SPARK School Park Program (Non-SPARK schools) should be explored as potential future partnerships for park space. Areas west of I-45 and north of Dixie Farm Road would seem to particularly benefit from additional Spark Parks. There is a high percentage of undeveloped and agricultural land in this Park Sector which could be conserved for future park use. The development of private parks seems to be keeping up with the demand for parkland. Encouraging developers to continue to provide private parks in the new development would help to maintain the balance as this area grows. There are currently four trails maintained by the Home Owner Associations (HOAs) in this Park Sector.

This Park Sector is deficient in playgrounds, picnic shelters, trails, volleyball courts, dog parks, skate parks, community centers, spraygrounds, and softball fields. There is space at Rodriguez (Sylvan) Park for the possible development of amenities in the future. In the 2014 survey, the top three priorities of residents in Park Sector 21 when asked what recreational needs existed in their Neighborhood were: hike, bike and walk trails, open space and natural areas, and spraygrounds or swimming pool facilities. Other services and amenities that residents asked for in the write-in portion of the survey were: archery programs, outdoor environmental education and camping, fitness programs, swim lessons, fishing activities, arts and crafts programs, and youth nature programs.

**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



## EXISTING HPARD PARKS

Facility Name	Address	Street	Total Acres	Trail Length
Neighborhood Parks				
Sagemont Park	11507	Hughes	8.30	N/A
<b>Total HPARD Pocket Park Acreage</b>			<b>8.30</b>	
Community Parks				
Rodriguez (Sylvan) Park	1201	Clear Lake City Blvd.	111.46	1.10
<b>Total HPARD Pocket Park Acreage</b>			<b>111.46</b>	
<b>Total HPARD Park Acreage</b>			<b>119.80</b>	
<b>Total HPARD Trail Length</b>				<b>0.37</b>

## EXISTING COMMUNITY CENTERS AND POOLS

Community Centers and Pool Facilities	Address	Zip Code	Agency Responsible
Clear Lake Neighborhood Pools	Various Locations	Various	HOAs/Neighborhood Associations
Sagemont Community Center and Pool	11507 Hughes	77089	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. Because of the development of private parks, most of the single family residential areas have access to park maintained by the HOAs. 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 328 acres of parkland (Harris County, HPARD & other providers). Of the 21,111 acres in this Park Sector, 2% of this acreage is parkland.
- There are approximately 72,000 residents, almost 55% of the population is Non-Hispanic White.
- According to the parkland standards of people per 1,000 acres of parkland, there is no need for additional parkland because of the low population in the area. Due to the low population density of this Park Sector, some areas still show a need closest to Beltway 8 and around I-45 and Scarsdale; however, many of these areas have very little or no residential development.
- Park Sector 21 has a total of 7 miles of trails. There are four trails maintained by the HOAs.
- H-GAC population projections estimate that this area will add over 20,000 residents by 2040. To meet the parkland needs for the estimated 2040 population an additional 8 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	18	7	14	6	32	2	1	1	3	13	1	8	2	10
2015 Existing	15	3	7	6	32	0	0	0	1	13	0	8	1	10
2015 Needed	3	4	7	-	-	2	1	1	2	-	1	-	1	-
2040 Needed	5	2	4	2	-	1	-	-	-	-	-	-	1	-

## 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	\$18,000,000	0 Acres- \$0	\$5,000,000	\$5,000,000
2040	\$15,000,000	8 Acres- \$520,000	\$19,000,000	\$1,000,000
TOTAL 2040	\$33,000,000	\$520,000	\$24,000,000	\$6,000,000

# PARK SECTOR PROFILE 21

## LOCATION AND POLITICAL BOUNDARIES

Park Sector 21 is located southeast of Beltway 8 and runs through 45.

Park Sector Size: 21,110.8 acres or 33 square miles

Population: 71,786 people, Density: 1,725 persons/sq. mi.

Political Boundaries within Park Sector 21:

- Council Districts: E and D
- Super neighborhoods contained in this Park Sector: South Belt/ Ellington and Clear Lake
- TIRZ: N/A
- Management Districts: HCRID 1 and Baybrook

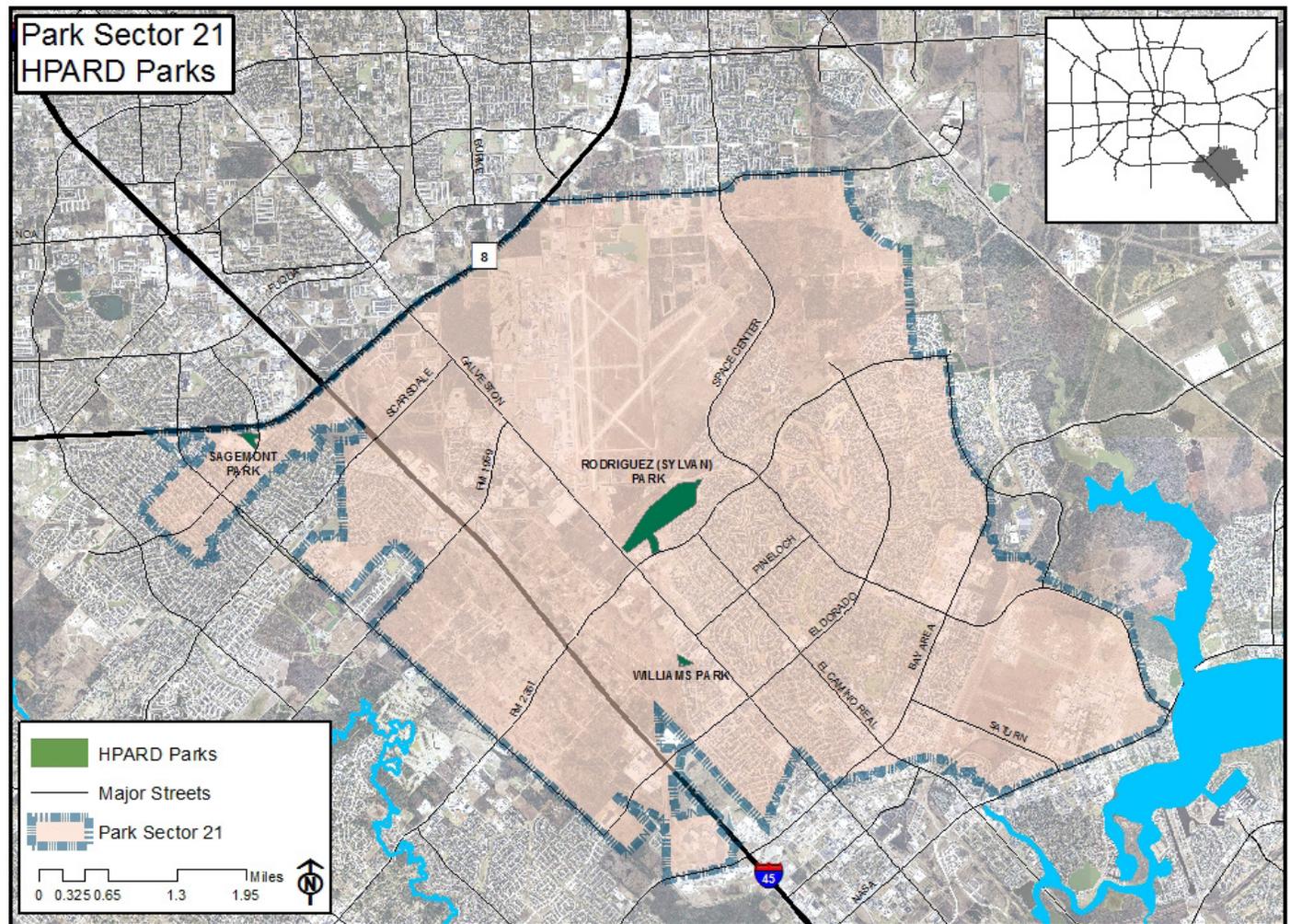


FIGURE 1. PARK SECTOR 21 BOUNDARY AND HPARD PARKS

## DEMOGRAPHIC PROFILE

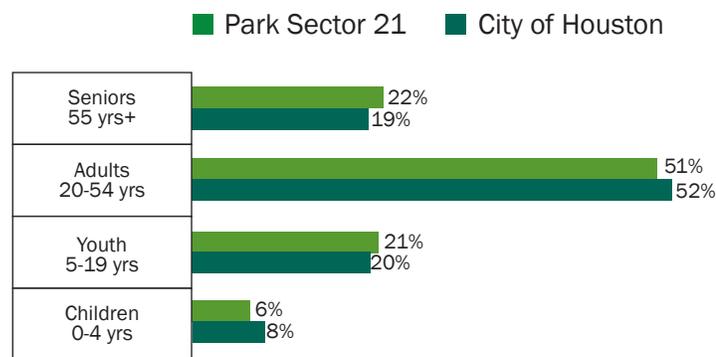
### Ethnicity

	Park Sector 21 Population	Park Sector 21 Percent of Total	Houston Population	Houston Percent of Total
<b>Total Population</b>	<b>71,786</b>	-	<b>2,119,831</b>	-
Hispanic or Latino	16,760	23.3%	919,668	43.8%
Non-Hispanic White	38,480	53.6%	537,901	25.6%
Non-Hispanic Black	5,641	7.9%	485,956	23.1%
Non-Hispanic American-Indian	206	0.3%	126,098	6.1%
Non-Hispanic Asian	9,110	12.7%		
Non-Hispanic Hawaiian or Pacific Islander	46	0.1%		
Non-Hispanic Some Other Race	1,543	2.1%	26,828	1.3%

TABLE 1. PARK SECTOR 21 ETHNICITY (2010 CENSUS & CITY OF HOUSTON PLANNING AND DEVELOPMENT DEMOGRAPHIC DATA)

This Park Sector contains almost 4% of the population of Houston. The majority (53.6%) of residents are Non-Hispanic Whites followed by Hispanic/Latinos (23.3%), Non-Hispanic Asians (12.7%) and Non-Hispanic Blacks (7.9%). The majority of residents in this Park Sector live northeast of IH-45 in single-family communities.

### Population by Age



The age profile for this Park Sector shows that the percent of population under 19 is slightly lower (27%) than that of the rest of the city (28%). Further breakdown of the age groups, as shown on Figure 2, reveals that the percent of seniors 55+ years of age (22%) is slightly higher than the rest of the City of Houston (19%) respectively. However, the distribution of age groups in this Park Sector generally mirrors the same pattern as the entire City of Houston. These demographic trends can help inform future programming and park improvements.

FIGURE 2. CITY OF HOUSTON VS. PARK SECTOR 21 AGE CITY OF HOUSTON ORTS BY HPARD PROGRAM AGES (2011 AMERICAN COMMUNITY SURVEY, CITY OF HOUSTON PD)

Program Group	Age Groups	PS 21 Population	PS 21 Percent of Total	Program Age Group	City of Houston Population	City of Houston Percent of Total	Program Age Group
Children	0-4 yrs	4,671	6%	6%	166,066	8%	8%
	5-9 yrs	4,854	7%	21%	148,843	7%	21%
Youth	10-14 yrs	5,377	7%		135,622	7%	
	15-19 yrs	5,057	7%		140,673	7%	
Adults	20-34 yrs	15,993	22%	51%	539,348	26%	52%
	35-44 yrs	9,691	13%		286,117	14%	
	45-54 yrs	11,686	16%		265,060	13%	
Senior	55-64 yrs	8,466	12%	22%	204,852	10%	19%
	65 yrs +	7,244	10%		192,689	9%	

TABLE 2. CITY OF HOUSTON VS. PARK SECTOR 21 AGE CITY OF HOUSTON ORTS WITH FURTHER BREAKDOWN FOR ALL PROGRAM AGE GROUPS

## Housing

There are a total of 30,026 housing units in this Park Sector. The percent of vacant housing in Park Sector 21 (6.7%) is significantly lower as compared to the vacancy rates for the entire city (12.3%). Home ownership for this Park Sector (57.1%) is higher than that of the City of Houston (39.7%) and the share of renters (36%) is lower than the city as a whole (47.1%).

## Income

The median household income for this Park Sector (\$70,948) is significantly higher than that of the City of Houston (\$48,322). The median household income is the second highest among the twenty-one Park Sectors. Twenty-four (24%) or 14,655 of the households in this area have an income below the Houston median household income.

## Educational Attainment

Within Park Sector 21 the percent (43%) of individual 25+ years of age with a Bachelor's degree or above is significantly higher 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 (9%) is lower than the same population for the City of Houston (25%).

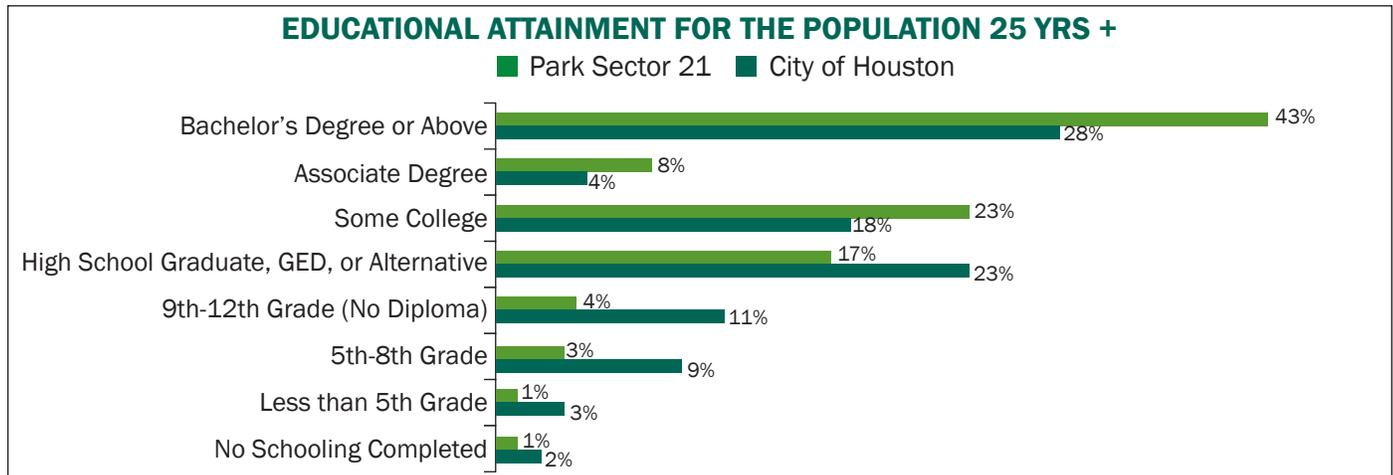


FIGURE 3. EDUCATIONAL ATTAINMENT (2011 CITY OF HOUSTON PD)

## Community Health

The Health of Houston Survey 2010 data (aggregated by Park Sector by the Houston Department of Health and Human Services) shows that 17.1% 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 5.2% of the adult population received a diagnosis of diabetes by a professional, which is less than half of the level for the entire city (11.4%). In addition, this survey inquired about physical activity level and the results indicate that over 34% of the respondents in this Park Sector engage in a moderate physical activity for 5 or more days a week, which is about the same as 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 16.4% of the population does not engage in moderate physical activity at all, which is 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.

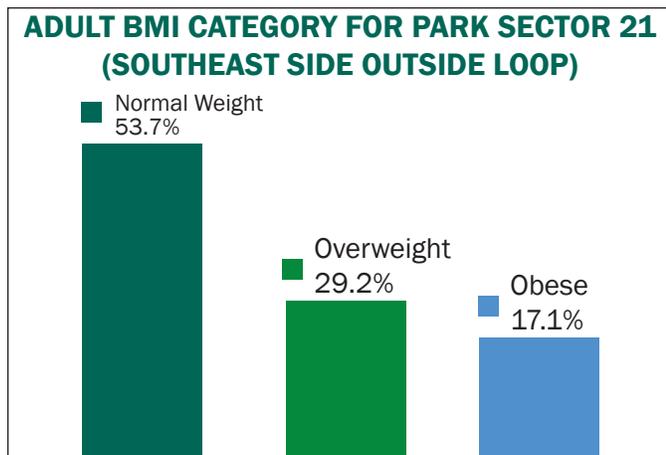


FIGURE 4. HEALTH OF HOUSTON SURVEY (2010)- ADULT BODY MASS INDEX

Moderate Physical Activity in the Last Seven Days	Percentage (%)
0	16.40
1	3.50
2	12.20
3	21.10
4	12.30
5	13.80
6	6.30
7	14.40

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	19,181	84.1%	3,748	19.8%
Multi-Family	1,803	7.9%	443	2.3%
Commercial	317	1.4%	700	3.7%
Office	130	0.6%	210	1.1%
Industrial	118	0.5%	701	3.9%
Public & Institutional	145	0.6%	2,647	14.0%
Transportation	101	0.4%	2,951	15.6%
Parks & Open Space	108	0.5%	1,065	5.6%
Undeveloped	404	1.8%	1,838	9.7%
Agriculture Production	411	1.8%	4,639	24.5%
<b>TOTAL</b>	<b>22,803</b>	<b>100%</b>	<b>18,941</b>	<b>100%</b>

TABLE 4. LAND USE BY DESCRIPTION (2012 HCAD)

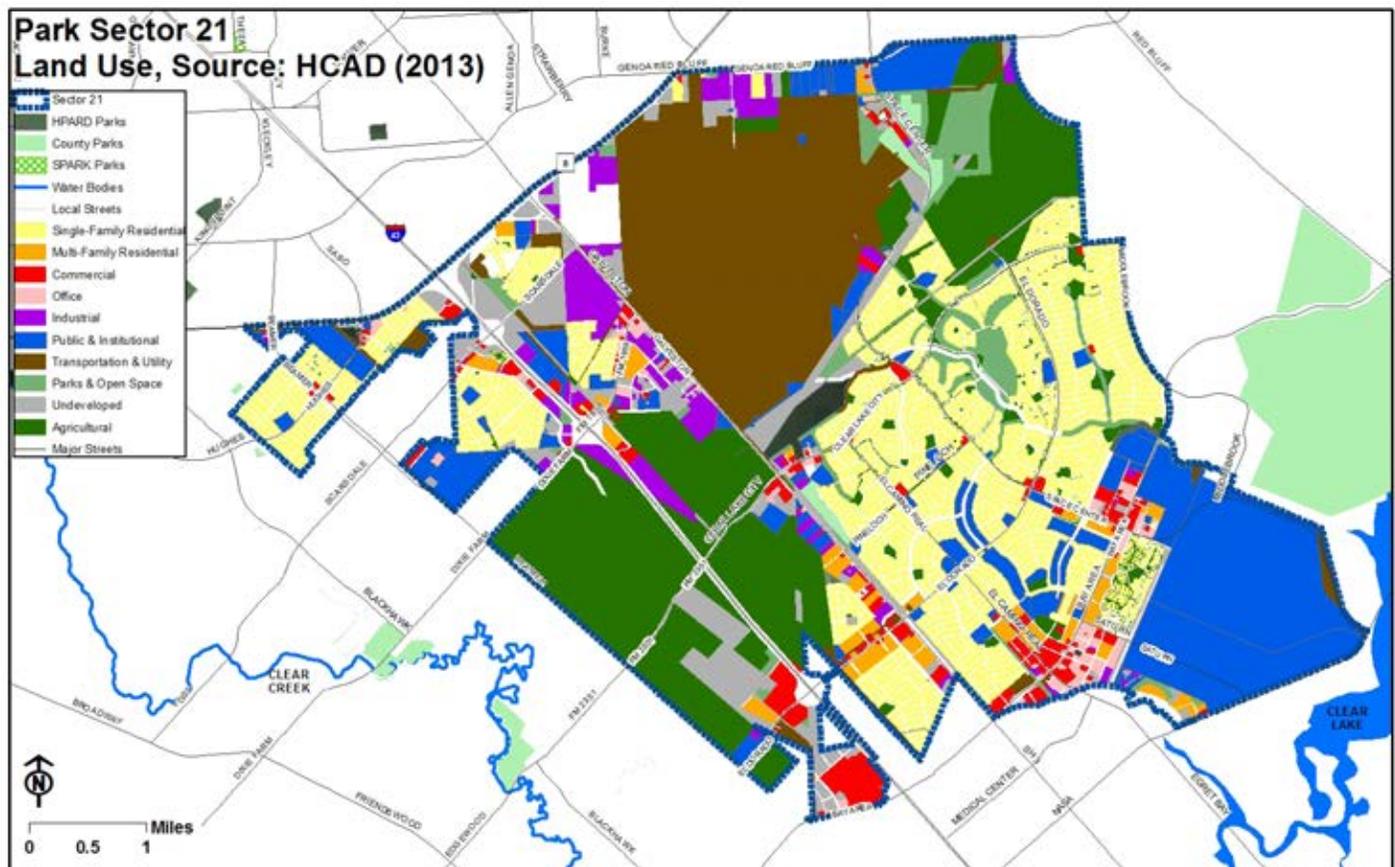


FIGURE 5. PARK SECTOR 21 LAND USE MAP (2013 HCAD) AND HPARD, COUNTY, AND SPARK PARKS

In Park Sector 21 while most of the parcels (92%) are residential, single family and multi-family account for only about one fifth (22.1%) of the acreage. Almost a quarter (24.5%) of the acreage is classified as agricultural. Ellington Field is shown in brown and accounts for most of the transportation land use acreage (15.6%). Johnson Space Center is also located in this Park Sector and this complex accounts for the majority of the Public and Institutional acreage (14%) shown in blue in Figure 5.

## HPARD PARKS AND TRAILS

Facility Name	Address	Street	Total Acres	Trail Length
Neighborhood Parks				
Sagemont Park	11507	Hughes	8.30	N/A
<b>Total HPARD Neighborhood Acreage</b>			<b>8.30</b>	
Community Parks				
Rodriguez (Sylvan) Park	1201	Clear Lake City Blvd.	111.46	1.1
<b>Total HPARD Community Acreage</b>			<b>111.46</b>	
<b>Total HPARD Park Acreage</b>			<b>119.80</b>	
<b>Total HPARD Trail Length</b>				<b>1.1</b>

TABLE 5. HPARD PARKS, ACREAGE, AND TRAILS INTERNAL TO HPARD PARKS, BAYOU AND URBAN/SHARED USE TRAILS IN PARK SECTOR 21

### Other Parks

Facility Name	Address	Street	Total Acres	Trail Length
Williams Park	15000	McConn Street	2.89	N/A

This Sterling Knoll Association maintains the park and indoor pool according to a lease agreement ending in 2029.

The Houston Parks and Recreation Department operates 2 parks in the area accounting for 119.8 acres of parkland. The maintenance for Williams Park, while owned by HPARD, is performed by the Sterling Knoll Association. The Pine Brook Community Association partnered with the Houston Audubon Society to restore 14.51 acres of wetlands and prairie in the Pine Brook community. The wetlands are now open and accessible to the public for wildlife viewing. The Pine Brook Community Association also maintains another park of 1.1 acres. The Clear Lake City Community Association maintains 6 parks for a total of 37.3 acres. The Middlebrook Homeowners Association maintains a 13.8 acre park. The Pineloch Community Association maintains 5 parks that total 17.4 acres. Piper Meadow's Community Improvement Association maintains a 5.2 acre park. The Brook Forest Homeowners Association maintains a 12.9 acre park.

The former Clear Lake City Golf Club, a 178 acre site, was purchased in 2011 by the Clear Lake City Water Authority for the purposes of flood control. However, an advisory group was formed that created a master plan for the property that will include 2 sports fields, hike and bike trails, and wetlands. The project will be phased out over 15 years into different stages; funding and further input is currently being acquired. The concrete date for beginning implementation of the project is still unknown at this time. While there are currently no amenities, trails from the previous golf course serve as de facto walking and cycling trails for the community.

There are four (4) trails maintained by the HOA's: 1.12 mile trail in North Folk subdivision trail, 2.43 trail in Middlebrook Subdivision, 1.2 mile trail in Bay Knoll Subdivision and the 1.1 mile Clear Lake Hike and Bike Trail along Clear Lake High School which was maintained by the City of Houston until the maintenance agreement expired in 2005.

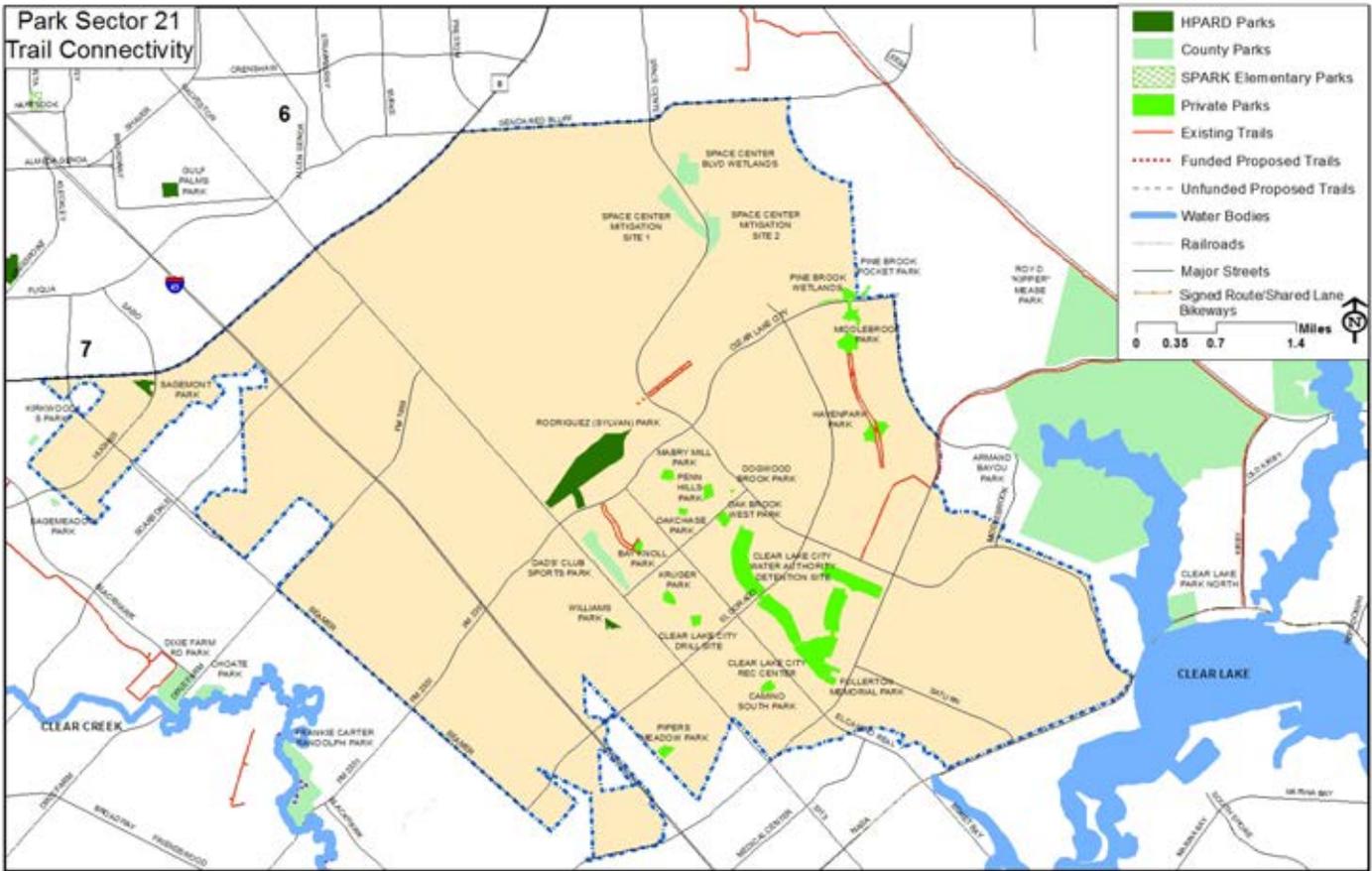


FIGURE 6. PARK SECTOR 21 BAYOU TRAILS, ON- AND OFF-STREET BIKEWAY SYSTEM (PWE), HPARD, COUNTY, SPARK, PRIVATE PARKS, BIKE/PED BRIDGES AND LIGHT RAIL

### County Parks and Trails

Harris County operates 4 parks in the area accounting for 103.4 acres of parkland; it also maintains the 5.6-mile Bay Area Hike and Bike Trail of which 0.5 miles are inside this Park Sector.

County Park				
Facility Name	Address	Street	Total Acres	Trail Length
Dad's Club Sports Park	14500	Village Evergreen Trail	34.00	N/A
Space Center Blvd Wetlands			24.00	N/A
Space Center Mitigation Site 1			30.00	N/A
Space Center Mitigation Site 2			15.43	N/A
Bay Area Hike and Bike Trail (5.2 miles total)	7500	Bay Area		0.5
<b>Total HC Park Acreage</b>			<b>103.43</b>	
<b>Total HC Trail Length</b>			<b>(inside PS 21) 0.5</b>	

TABLE 6. TRAILS INTERNAL TO COUNTY PARKS, BAYOU AND URBAN/SHARED USE TRAILS IN PARK SECTOR 21

### SPARK Parks

There are no SPARK Parks within Sector 21.

### 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): this Park Sector meets the need for Pocket Parks, Neighborhood, and Community Parks. The acreage for Regional Park is accounted for in 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										71,786	
Pocket Park (<1 acre)	0	0	0.00	0	1.44	1.44	0.005 ac/1,000 people	0.00	0.00	0.36	-1.08
Neighborhood Park (1-15 acres)	2	0	8.3	0	103.6	112	1 ac/1,000 people	0.12	1.56	63.5	-40.1
Community Park (16-150 acres)	1	4	111.46	103.43	0	214.89	1.5 ac/1,000 people	1.55	2.99	-3.78	-107.21
Regional Parks (150+ acres)	0	0	0	0	178	178.00	8.0 ac/1,000 people				
<b>TOTAL</b>	<b>3</b>	<b>4</b>	<b>119.8</b>	<b>103.4</b>	<b>105.1</b>	<b>328.3</b>	<b>19 acres/1,000</b>			<b>63.8</b>	<b>-148.5</b>

TABLE 7. PARK SECTOR 21 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; the hatched area represents the service area of various homeowner association parks (owned, developed and maintained by the various homeowners association in this area) that were not accounted for when the Trust for Public Land (TPL) ParkScore™ data was produced. These 18 parks provide a significant amount of coverage for the Park Sector. Roughly 62% 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 much higher than that of the entire city (55%). This percentage was calculated by subtracting the areas served, industrial areas, and acreage of airports, the Johnson Space Center, and private parks from the total acreage of the Park Sector. However, even this percentage is somewhat high considering a large portion of the Park Sector is agricultural land. The majority of residential areas are served; however, there are small Pockets of residential development in the northern portion of the Park Sector that are not being served by a public or a private park. The hatched areas are not accounted in the percentage for the areas served at this time, so the service area percentage is underestimated.

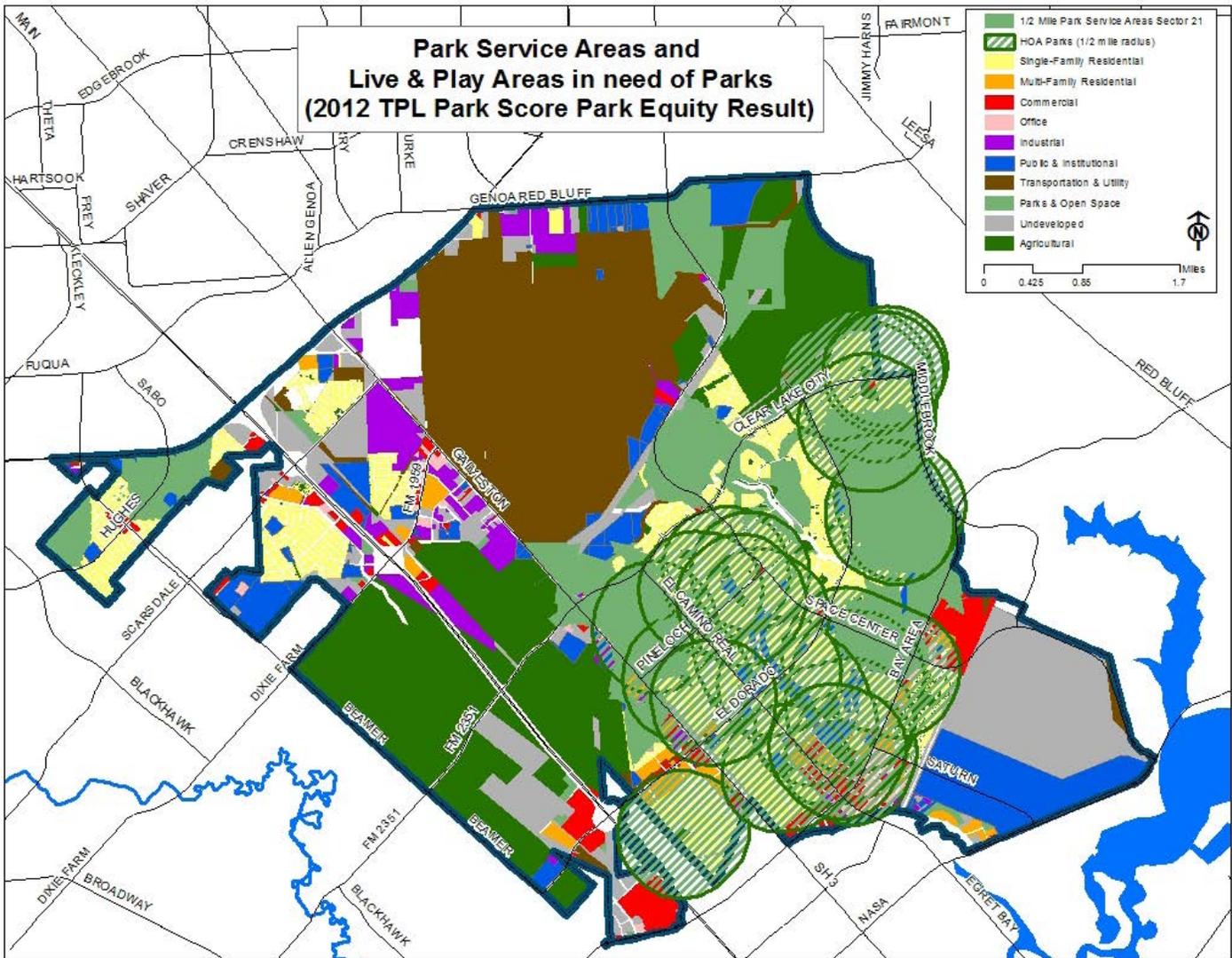


FIGURE 7. PARK SECTOR 21 PARK SERVICE AREAS (1/2 MILES ACCESS) AND LIVE/PLAY AREAS OF NEED

## AMENITIES AND SERVICES

This map shows some of the community services available in this area: a community center, bus routes, schools, library & YMCAs. There is one community center located in Park Sector 21: Sagemont Community Center.

The United Way office building in Galveston County houses a number of charities for this area. The Bay Area Council on Drugs and Alcohol is located in this building and is a non-profit organization affiliated with the United Way that provides the following services: assessments and screenings, referrals, interventions, drug testing, and youth prevention education. Another charity in this building is the Catholic Charities of the Archdiocese of Galveston-Houston. This religious charity provides mental health services, disaster recovery support, pregnancy services and post-natal care, refugee resettlement, immigration legal services, affordable home ownership education, transitional housing for women and children fleeing domestic violence, veterans assistance, senior support services, adoption services, foster care services, and housing for unaccompanied refugee minors. The Greater Houston Chapter of the American Red Cross also occupies the United Way Building and provides disaster relief to families affected by home or apartment fires, community disaster education, CPR classes, and transportation services.

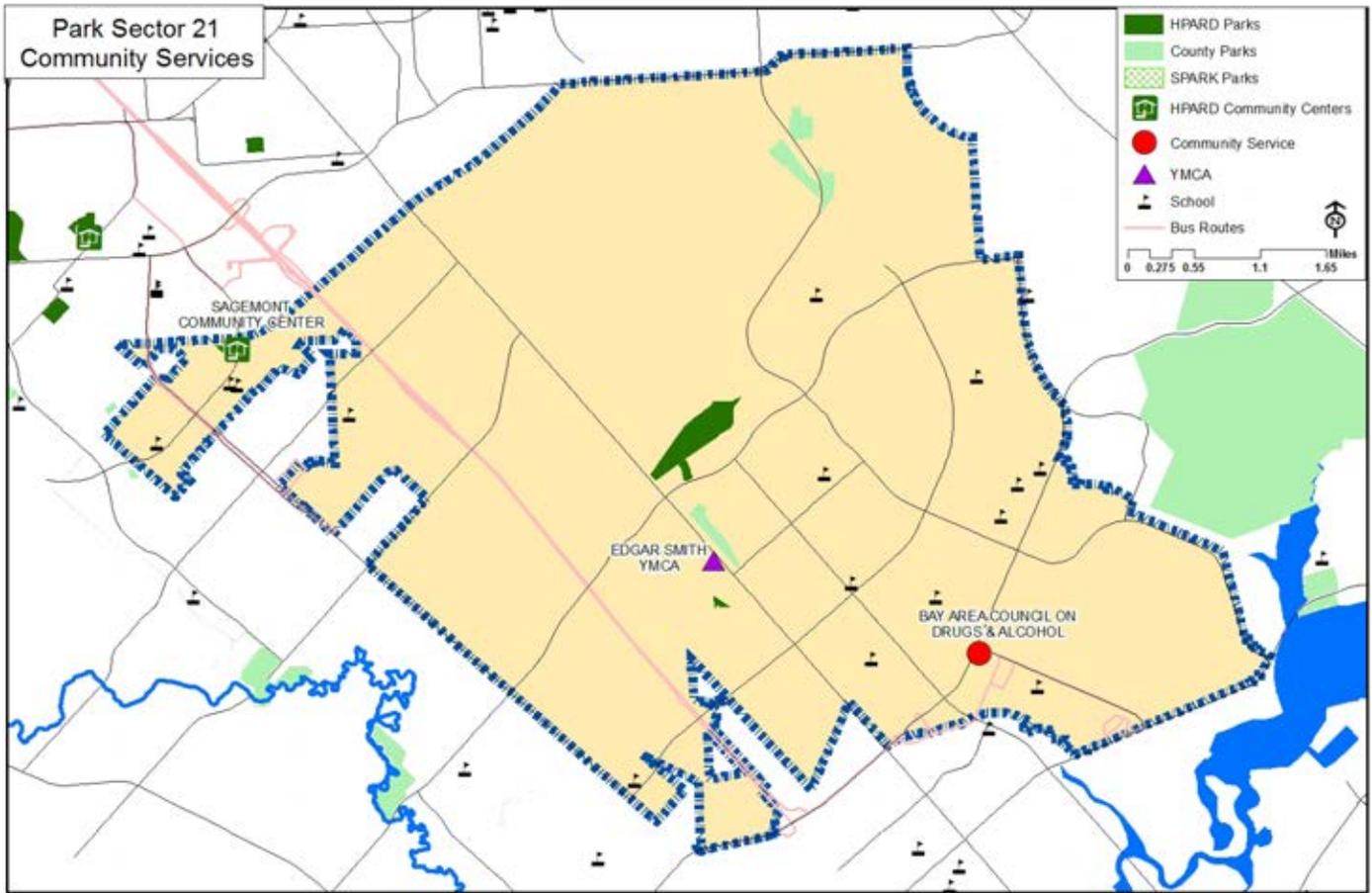


FIGURE 8. PARK SECTOR 21 COMMUNITY SERVICES AND PUBLIC TRANSIT

### Amenities - Level of Service

The HPARD standards by amenity have been applied to the amenities in Park Sector 21. 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 standards HPARD, Harris County and other providers are meeting the needs of the residents for the following facilities: swimming pools, baseball fields, and soccer fields. This Park Sector is deficient in playgrounds (1), picnic shelters (4), trails (7 miles), volleyball courts (2), dog parks (1), skate parks (1), community centers (1), outdoor spraygrounds (1), and softball fields (1).

The Clear Lake City Community Association has facilities that are open to the public, so long as the fee is paid for either membership or use of the facilities. The facilities include: 3 swimming pools, a playground, and 4 tennis courts. The Brook Forest Community Association maintains Havenpark Park with 4 tennis courts, a pavilion, a playground and a pool; however, these facilities are open only to those in the Brook Forest Home Owners' Association. The Pine Brook Community Association also provides 2 tennis courts, basketball court, playground, and a pool for members of their Home Owners' Association. The Middle Brook Community Association maintains a park with a pool, 4 tennis courts, trail, playground, 2 full basketball courts, and a pavilion. Piper's Meadow Community Improvement Association maintains a pool, 2 tennis courts, a playground, and a basketball court free of charge for its residents. Thus, given that these facilities are available only for a fee, and in some cases only to a certain segment of the population, they were not included in the level of service analysis below. However, as we assess the need for future facilities, we will consider facilities in these areas as a lower priority than those communities which do not have any of these amenities accessible.

	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			
<b>Population</b>							<b>71,786</b>					
Playgrounds	3	0	12	15	1	4,000	1	23,929	1	4,786	15	3
Picnic Shelters	1	0	2	3	1	10,000	1	71,786	1	23,929	6	4
Trails	1.1	0.5	5.85	7	0.2	1,000	0.02	1,000	0.10	1,000	13	7
Outdoor Basketball Courts	1	0	5	6	1	12,000	1	71,786	1	11,964	5	0
Tennis	4	0	28	32	1	10,000	1	17,947	1	2,243	3	-25
Volleyball	0	0	0	0	1	50,000	0	71,786	0	71,786	2	2
Dog Parks	0	0	0	0	1	100,000	0	71,786	0	71,786	1	1
Skate Parks	0	0	0	0	1	100,000	0	71,786	0	71,786	1	1
Community Centers	1	0	0	1	1	30,000	1	71,786	1	71,786	1	2
Swimming Pools	1	0	12	13	1	50,000	1	71,786	1	5,522	1	-12
Outdoor Spraygrounds	0	0	0	0	1	100,000	0	71,786	0	71,786	1	1
Baseball (Lit & Unlit)	0	7	1	8	1 field	30,000	0	71,786	1	8,973	2	-6
Softball (Lit & Unlit)	0	0	1	1	1 field	30,000	0	71,786	0	71,786	2	1
Soccer (Lit & Unlit)	0	8	2	10	1 field	10,000	0	71,786	1	7,179	7	-3

TABLE 8. LEVEL OF SERVICE FOR AMENITIES IN PARK SECTOR 21  
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)

- In 2006 Rodriguez (Sylvan) Park received CIP funds to clear and grade brush vegetation for informal paths throughout the park, add a new concrete looping jogging trail through the eastern section of the park, create two Lacrosse fields from existing soccer fields, and make improvements to drainage and landscaping. In 2013 the park received CIP funds to install 120 new parking spaces, construct a new detention area, create a new multi-purpose field, install six MUSCO light poles for the two existing lacrosse fields, and install tree plantings and an irrigation system.
- In 2007 Sagemont Park received CIP funds to demolish the pool, pool building, pool decking, and pool fence and construct a new pool building, pool, shade canopy, concrete deck, and ornamental steel pool fence. A pool alarm, parking lot, landscape, hardscape, and drainage were installed and site lighting was improved. In late 2013 this park received Parks and Open Space funds for a new playground and surfacing.







# Park Sector 21 Floodplain Areas

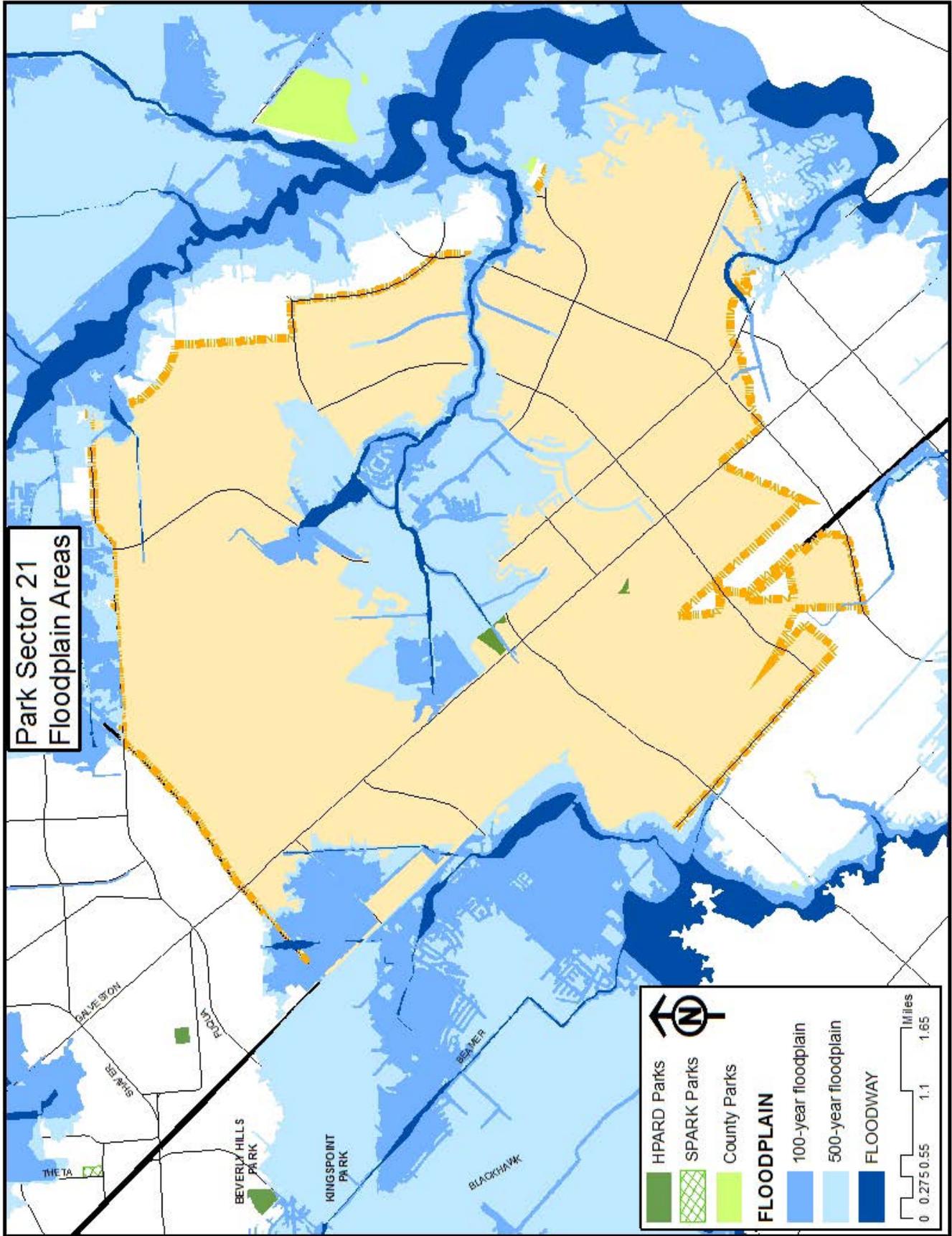


FIGURE 4: PARK SECTOR 21 FLOODPLAIN AREAS