

Parks - Historical Patterns and Trends

Parks Classification by Levels of Crime and Calls

Through Latent Class Analysis (LCA) we identify subgroups of parks based on levels of P1 calls, community-generated calls during closing hours, violent crime, and community-generated calls during the weekend *at or within 100 feet of parks*. Four 'types' of parks are identified based on 2023 and 2024 YTD (up to 09/03) data. All reported counts are annual averages for the parks included in the given class:

2023	P1 Calls	Calls Closing Hours	Violent Crime Events	Calls Weekend	# Parks
High	29.2	23	25	45	6
Mid-High	11	6	8	12	16
Mid-Low	5	3	4	6	47
Low	0.6	0.4	0.3	1	418

2024	P1 Calls	Calls Closing Hours	Violent Crime Events	Calls Weekend	# Parks
High	10	11	16	19	5
Mid-High	4	3	6	6	18
Mid-Low	2	1	2	2	52
Low	0.2	0.1	0.3	0.4	412

Parks by Class

High Class

Alaskan Way Boulevard
Cal Anderson Park
Warren G. Magnuson
Burke-Gilman Trail
Lake Washington Blvd ▲
Bell Street Park Blvd ▼

Mid-High Class

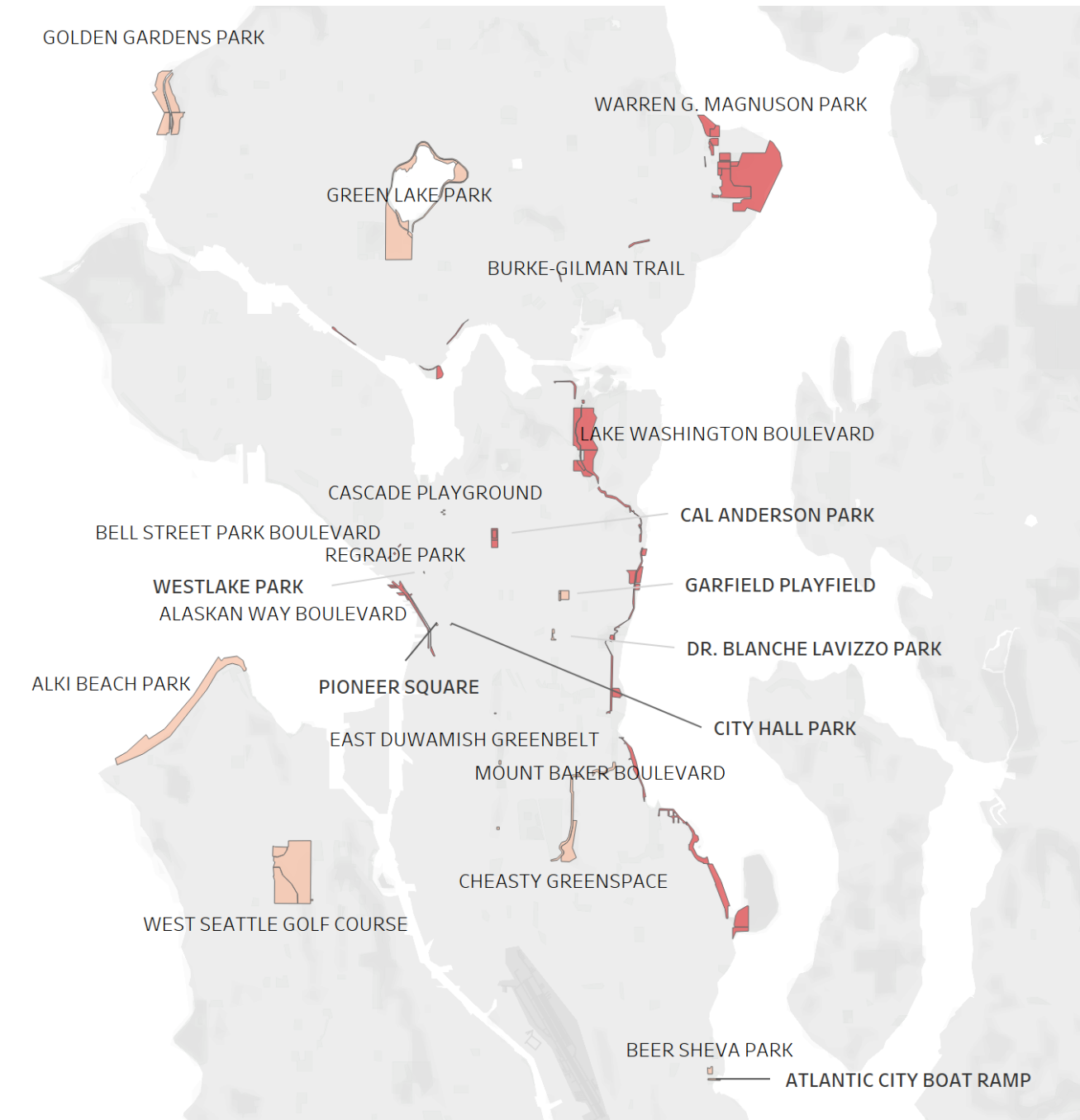
Dr. Blanche Lavizzo	Garfield Playfield	Golden Gardens
West Seattle Golf Course	Westlake Park	Mount Baker Blvd
Pioneer Square Park	Alki Beach Park	Beer Sheva Park
Cheasty Greenspace	City Hall Park	Green Lake Park
Cascade Playground		Regrade Park
East Duwamish Greenbelt		Atlantic City BR ▲

Mid-Low: 46 parks – See Appendix

Low: 419 parks – See Appendix

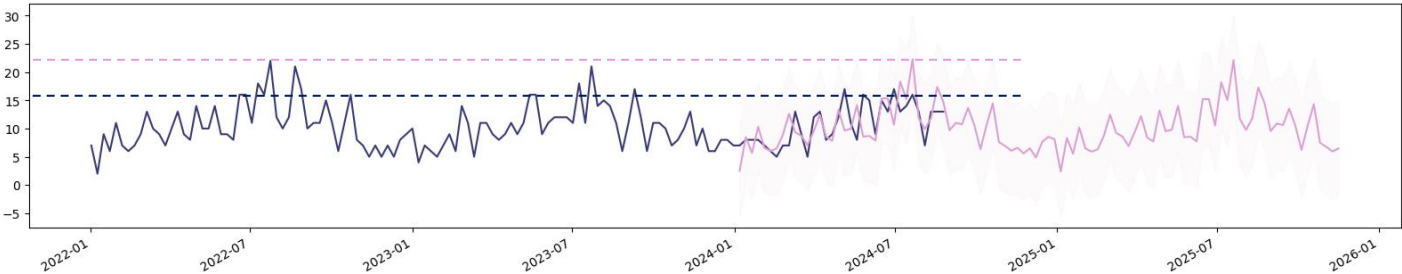
- ▲ Lake Washington Boulevard was assigned to the 'Mid-High' class based on 2023 data, while with 2024 data it was assigned to the 'High' class.
- ▼ Bell Street Park Boulevard was assigned to the 'High' class based on 2023 data, while with 2024 data it was assigned to the 'Mid-High' class.
- ▲ Atlantic Boat Ramp was assigned to the 'Mid-Low' class based on 2023 data, while with 2024 data it was assigned to the 'Mid-High' class.

Map of 'High' and 'Mid-High' Parks Color-Coded by Class

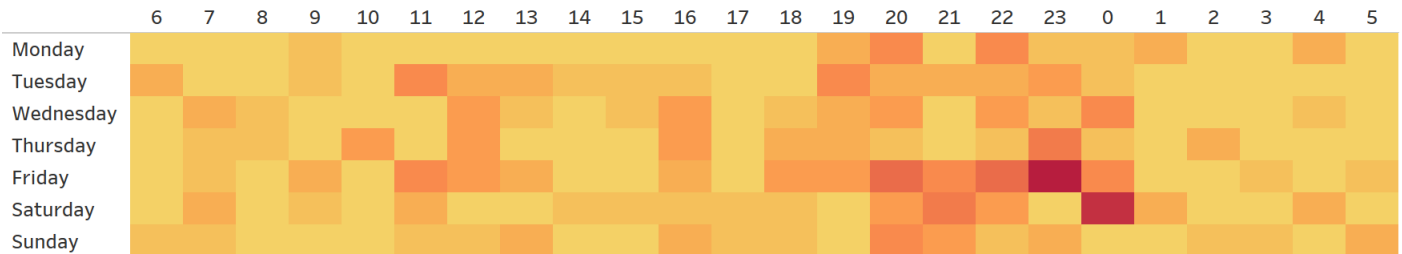


Seasonality

Violent crime (i.e., aggravated assault, homicide, robbery, and rape) at or within 100 feet of parks, visualized below, exhibits **strong seasonality, with the highest counts occurring during the summer months**. The dark purple trend below visualizes weekly counts of violent crime, while the pink line visualizes predicted values for 2024 and 2025. The predicted values for 2024, overlayed on actual counts, show that this year's summer peak was lower than expected. However, the trend also indicates that violent crime has started to rise earlier in the year.



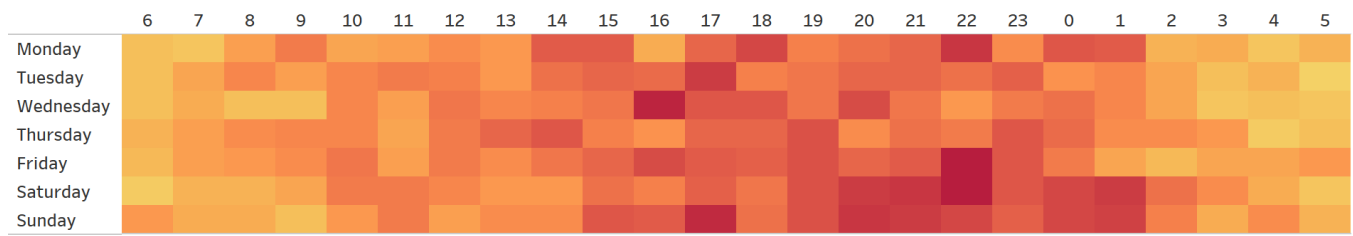
- Given historical data and seasonal trends, **July** shows the highest counts of violent crime in parks.
- Violent crime at or within 100 ft. of parks in the 'High' class peak at night (visualized below). Some incident/offense reports show midnight as the default offense start time, which might inflate the numbers of event occurred at this time. However, violent crime times tend to be reported more accurately than other types of crime.



Violent Crime Events for Parks in 'High' Class by Hour and Weekday

Hour of Day

- Most (~71%) community-generated calls are most common during opening hours (7 AM - 9 PM), especially **assaults and thefts**. However, **burglary calls** are more common in the **early morning (before 10 AM)**.
- Although a small percentage of calls in parks, most **'Shots Fired'** community-generated calls occur after **6 PM and before 3 AM**.
- **Priority-1 calls increase after 5 PM and go down after 10 PM.**
- For parks in the **'High'** class, priority-1 calls increase after 3 PM and go down after 1 AM.



Priority-1 Calls for Parks in 'High' Class by Hour and Weekday

Day of Week

- Overall crime **peaks on Friday and Saturday** and it's at its **lowest Monday-Wednesday**.

Appendix

Parks in Mid-Low Class	Parks in Low Class
OTHELLO PARK	FLO WARE PARK
BRIGHTON PLAYFIELD	GREG DAVIS PARK
CHEASTY BOULEVARD	LAKERIDGE PARK
DUWAMISH HEAD GREENBELT	ALKI PLAYGROUND
GARFIELD TEEN LIFE CENTER	CAMP LONG
HAMILTON VIEWPOINT PARK	CHINATOWN/ID HUB URBAN VILLAGE
JUDKINS PARK AND PLAYFIELD	COLMAN PARK
KINNEAR PARK	DENNY PARK
PATHWAYS PARK	GERBER PARK
SAM SMITH PARK	KERRY PARK AND VIEWPOINT
UNION STATION SQUARE	KUBOTA GARDENS
WASHINGTON PARK AND ARBORETUM	LAKERIDGE PLAYGROUND
17TH AVENUE NE CENTERSTRIP	MAPLE SCHOOL RAVINE
CAYTON CORNER PARK	POWELL BARNETT PARK
DISCOVERY PARK	PRENTIS I. FRAZIER PARK
DON ARMENI PARK	SOUTH DAY STREET PARK
GAS WORKS PARK	STANLEY SAYRES MEMORIAL PARK
GENESEE PARK AND PLAYFIELD	WALT HUNDLEY PLAYFIELD
HING HAY PARK	6TH AVENUE NW POCKET PARK
HING HAY PARK ADDITION	12TH AVE SQUARE PARK
JIM ELLIS FREEWAY PARK	14TH AVENUE NW BOAT RAMP
JOHN C. LITTLE, SR. PARK	48TH AVE SW/SW CHARLESTOWN ST
JUNCTION PLAZA PARK	3001 E MADISON
KATIE BLACKS GARDEN	8605 35TH AVE NE
LAKE CITY PARK	A. B. ERNST PARK
LAKE CITY URBAN HUB VILLAGE	ALBERT DAVIS PARK
LINCOLN PARK	ALICE BALL PARK
LONGFELLOW CREEK GREENSPACE	ALVIN LARKINS PARK
MADRONA PARK	AMY YEE TENNIS CENTER
MAGNOLIA BOULEVARD	ANDOVER PLACE
MOUNT BAKER PARK	ARAPAHOE TRIANGLE
NORTHEAST QUEEN ANNE GREENBELT	ARROYO HEIGHTS
PLYMOUTH PILLARS PARK	ARROYOS NATURAL AREA
PRATT PARK	ATLANTIC STREET PARK
QUEEN ANNE BOULEVARD	B.F. DAY PLAYGROUND
QUEEN ANNE SWIMMING POOL	BAGLEY VIEWPOINT
RAVENNA BOULEVARD	BAKER PARK ON CROWN HILL

ROXHILL PARK	BALLARD COMMONS PARK
SPRUCE STREET MINI PARK	BALLARD CORNERS PARK
TILIKUM PLACE	BALLARD PLAYGROUND
UNIVERSITY HEIGHTS	BALLARD SWIMMING POOL
VOLUNTEER PARK	BANNER WAY TRIANGLES
WEST SEATTLE STADIUM	BAR-S PLAYGROUND
WOODLAND PARK	BAYVIEW PLAYGROUND
WOODLAND PARK ZOO	BEACON HILL PLAYGROUND
YESLER TERRACE PARK	BEACON PLACE
	BEAVER POND NATURAL AREA ON THORNTON CREEK
	BELLEVUE PLACE
	BELLTOWN COTTAGE PARK
	BELLTOWN P-PATCH
	BELMONT PLACE
	BELVEDERE PARK
	BELVOIR PLACE
	BENEFIT PLAYGROUND
	BENVENUTO VIEWPOINT
	BERGEN PLACE
	BHY KRACKE PARK
	BITTER LAKE OPEN SPACE PARK
	BITTER LAKE PLAYFIELD
	BLAINE PLACE
	BLAKELEY CRESCENT PARK
	BLUE DOG POND
	BLUE RIDGE CIRCLE
	BLUE RIDGE PLACES
	BOREN PARK
	BOREN PLACE
	BOYLSTON PLACE
	BRADNER GARDENS PARK
	BROADWAY HILL PARK
	BRYANT NEIGHBORHOOD PLAYGROUND
	BULLITT LIFE ESTATE
	CALIFORNIA PLACE
	CARKEEK PARK
	CARLETON CENTER
	CARLETON HIGHLANDS
	CASCADE PLACE

	CATHERINE BLAINE JR HS
	CEDAR PARK
	CESAR CHAVEZ PARK
	CHARLES RICHEY SR VIEWPOINT
	CHEASTY GREENSPACE: MT VIEW
	CHINOOK BEACH PARK
	CHINOOK PASSAGE NATURAL AREA ON THORNTON CREEK
	CHRISTIE PARK
	CLEVELAND PLAYFIELD
	COE PLAY PARK
	COLLEGE STREET PARK
	COLLEGE STREET RAVINE
	COLMAN PLAYGROUND
	COLUMBIA PARK
	COMMODORE PARK
	CONDON WAY CENTERSTRIP
	CORLISS PLACE
	CORMORANT COVE
	COTTAGE GROVE PARK
	COUNTERBALANCE PARK
	COWEN PARK
	CRESCENT PLACE
	CROWN HILL GLEN
	CROWN HILL PARK
	DAEJEON PARK
	DAHL (WALDO J.) PLAYFIELD
	DAKOTA PLACE PARK
	DAVID RODGERS PARK
	DEARBORN PARK
	DELRIDGE AND MYRTLE
	DELRIDGE PLAYFIELD
	DELRIDGE WETLAND
	DEMONSTRATION GARDEN
	DENNY BLAINE LAKE PARK
	DENNY BLAINE PARK
	DISCOVERY PARK BOULEVARD
	DISCOVERY PARK TIDELANDS
	DONNIE CHIN INTERNATIONAL CHILDREN'S PARK

	DR. JOSE RIZAL PARK
	DUWAMISH WATERWAY PARK
	E.C. HUGHES PLAYGROUND
	EAST MONTLAKE PARK
	EAST PORTAL VIEWPOINT
	EAST QUEEN ANNE PLAYGROUND
	EASTMONT PLACE
	ELLA BAILEY PARK
	EMMA SCHMITZ MEMORIAL OVERLOOK
	ENDOLYNE PARK
	ERCOLINI PARK
	FAIRMOUNT PARK
	FAIRMOUNT PLAYGROUND
	FAIRVIEW PARK
	FAIRVIEW WALKWAY
	FAUNTLEROY CREEK RAVINE
	FAUNTLEROY PARK
	FAUNTLEROY PLACE
	FIREHOUSE MINI PARK
	FIRST HILL PARK
	FLETCHER PLACE
	FLICKER HAVEN NATURAL AREA ON THORNTON CREEK
	FOSTER ISLAND (WASH. PARK)
	FRED HUTCHINSON PLAYGROUND
	FREMONT CANAL PARK
	FREMONT PEAK PARK
	FRINK PARK
	FRITZ HEDGES WATERWAY PARK
	FROULA PLAYGROUND
	GEMENSKAP PARK
	GEORGETOWN PLAYFIELD
	GEORGETOWN PUMP STATION
	GILMAN PLAYGROUND
	GRAND ARMY CEMETERY
	GREEN LAKE
	GREENWOOD PARK
	GREENWOOD TRIANGLE
	HALLER LAKE COMMUNITY ST END
	HARBOR PATROL

	HARRISON RIDGE GREENBELT
	HARVARD-MILLER/ROANOKE ANNEX
	HELENE MADISON POOL
	HERRINGS HOUSE PARK (Tulalix)
	HIAWATHA PLAYFIELD
	HIGHLAND DRIVE PARKWAY
	HIGHLAND PARK PLAYGROUND
	HIGHLAND PLACE
	HILLMAN P-PATCH
	HITTS HILL PARK
	HOMER HARRIS PARK
	HOMEWOOD NATURAL AREA ON THORNTON CREEK
	HORIUCHI PARK
	HORTON HILL CORRIDOR
	HOWELL PARK
	HUBBARD HOMESTEAD PARK
	HUNTER BOULEVARD
	HYDE PLACE
	I-5 COLONNADE
	I-90 LID: UNNAMED
	ID/CHINATOWN COMMUNITY CENTER
	INTERBAY ATHLETIC FIELD
	INTERBAY GOLF
	INTERBAY P-PATCH
	INTERLAKEN PARK
	INVERNESS RAVINE PARK
	JACKSON PARK GOLF COURSE
	JEFFERSON PARK
	JEFFERSON PARK GOLF COURSE
	JIMI HENDRIX PARK
	JUDGE CHARLES M. STOKES OVERLOOK
	JULIA LEE'S PARK
	KERRY PARK (FRANKLIN PLACE)
	KEYSTONE PLACE
	KILBOURNE PARK
	KINGFISHER NATURAL AREA ON THORNTON CREEK
	KINNEAR PLACE
	KIRKE PARK

	KIWANIS MEMORIAL PRESERVE PARK
	KIWANIS RAVINE OVERLOOK
	KOBE TERRACE
	KUBOTA GARDENS NATURAL AREA
	LAKE CITY MEMORIAL TRIANGLE
	LAKE PEOPLE PARK (XACUA'BS)
	LAKE UNION PARK
	LAKEVIEW PARK
	LAKEVIEW PLACE
	LAKEWOOD MOORAGE
	LAKEWOOD PLAYGROUND
	LAKEWOOD TRIANGLE
	LAMBERT PLACE
	LANDING PARKWAY
	LANGSTON HUGHES ANNEX
	LANGSTON HUGHES CULTURAL ARTS
	LAURELHURST PLAYFIELD
	LAURELHURST RECREATION CENTER
	LAURELHURST TRIANGLE
	LAVILLA MEADOWS NATURAL AREA ON THORNTON CREEK
	LAWTON PARK
	LESCHI PARK
	LESCHI PARK AND SOUTH MOORAGE
	LESCHI-LAKE DELL NATURAL AREA
	LEWIS PARK
	LICORICE FERN NATURAL AREA ON THORNTON CREEK
	LICTON SPRINGS PARK
	LINDEN ORCHARD PARK
	LITTLE BROOK CREEK NATURAL AREA
	LITTLE BROOK PARK
	LLANDOVER WOODS GREENSPACE
	LONGFELLOW CREEK NATURAL AREA
	LOWERY C. "POP" MOUNGER POOL
	LOWMAN BEACH PARK
	LOYAL HEIGHTS PLAYFIELD
	LYNN STREET MINI PARK
	MACLEAN PARK
	MADISON PARK

	MADISON PARK NORTH BEACH
	MADRONA BRIAR PATCH
	MADRONA PLAYGROUND
	MADRONA RAVINE
	MAGNOLIA GREENBELT
	MAGNOLIA MANOR PARK
	MAGNOLIA PARK
	MAGNOLIA TIDELANDS PARK
	MAPLE LEAF COMMUNITY GARDEN
	MAPLE LEAF RESERVOIR PARK
	MAPLE SPRINGS NATURAL AREA
	MAPLE WOOD PLAYFIELD
	MARRA-DESIMONE PARK
	MARSHALL PARK
	MARTHA WASHINGTON PARK
	MARTIN LUTHER KING JR MEMORIAL
	MARVINS GARDEN
	MATTHEWS BEACH PARK
	MAYFAIR PARK
	MCGILVRA BOULEVARD
	MCGILVRA PLACE
	MCGRAW SQUARE
	ME-KWA-MOOKS NATURAL AREA
	ME-KWA-MOOKS PARK
	MEADOWBROOK PLAYFIELD
	MEADOWBROOK TEEN LIFE CENTER
	MERIDIAN PLAYGROUND
	MILLER TRIANGLE
	MINERAL SPRINGS PARK
	MOCK CREEK RAVINE
	MONTLAKE BOULEVARD
	MONTLAKE PLAYFIELD
	MORGAN JUNCTION PARK
	MOUNT CLAIRE PARK
	MT BAKER RIDGE VIEWPOINT
	MYRTLE EDWARDS PARK
	MYRTLE RESERVOIR PARK
	NANTES PARK
	NE 60TH STREET PARK
	NE 130TH STREET END

	NORAS WOODS
	NORTH BEACH PARK
	NORTH BEACH RAVINE: 30TH NW NATURAL AREA
	NORTH LESCHI MOORAGE
	NORTH PARK SHOPS
	NORTH PASSAGE POINT PARK
	NORTHACRES PARK
	NORTHGATE COMMUNITY CENTER
	NORTHGATE PARK
	NORTHLAKE PARK
	NW 60TH STREET VIEWPOINT
	OBSERVATORY COURTS
	OCCIDENTAL SQUARE
	OPEN WATER PARK
	ORCHARD STREET RAVINE
	OXBOW PARK
	PARK HOME CIRCLE
	PARKMONT PLACE
	PARSONS GARDENS
	PELLY PLACE NATURAL AREA
	PENDLETON MILLER PLAYFIELD
	PEPPIS PLAYGROUND
	PICARDO (RAINIE) P-PATCH
	PIERS 62 AND 63
	PIGEON POINT
	PINEHURST PLAYGROUND
	PINEHURST POCKET PARK
	PIPERS CREEK NATURAL AREA
	PLUM TREE PARK
	PREFONTAINE PLACE
	PRITCHARD ISLAND BEACH
	PUGET BOULEVARD
	PUGET CREEK EDIBLE PARK
	PUGET CREEK GREENSPACE
	PUGET CREEK NATURAL AREA
	PUGET PARK
	PUGET RIDGE PLAYGROUND
	QUEEN ANNE BOWL PLAYFIELD
	RAINBOW POINT

	RAINIER BEACH COMMUNITY CENTER
	RAINIER BEACH PLAYFIELD
	RAINIER BEACH URBAN FARM AND WETLANDS
	RAINIER PLACE
	RAINIER PLAYFIELD
	RAVENNA PARK
	RAVENNA RAVINE
	RAVENNA WOODS
	RAVENNA-ECKSTEIN PARK
	RIVERVIEW PLAYFIELD
	ROANOKE PARK
	ROANOKE STREET MINI PARK
	ROGERS PLAYGROUND
	ROOSEVELT LAND-BANK SITE
	ROSS PLAYGROUND
	ROTARY VIEWPOINT
	S.W. COMMUNITY CENTER AND POOL
	SACAJAWEA PLAYGROUND
	SALMON BAY PARK
	SANDEL PLAYGROUND
	SCHMITZ BOULEVARD
	SCHMITZ PRESERVE PARK
	SEACREST PARK
	SEATTLE AQUARIUM
	SEOLA BEACH GREENBELT
	SEOLA PARK
	SEVEN HILLS PARK
	SEWARD PARK
	SIERRA PLACE
	SMITH COVE PARK
	SOLSTICE PARK
	SOUNDVIEW PLAYFIELD
	SOUNDVIEW TERRACE
	SOUTH PARK MEADOW
	SOUTH PARK PLAYGROUND
	SOUTH PARK PLAZA
	SOUTH PASSAGE POINT PARK
	SPRING STREET MINI PARK
	ST MARKS GREENBELT

	STEVENS PLACE
	STEVENS TRIANGLE
	STIM BULLITT NATURAL AREA
	STREISSGUTH GARDENS
	STURGUS PARK
	STURTEVANT RAVINE
	SUMMIT PLACE
	SUMMIT SLOPE PARK
	SUN PARK
	SUNNYSIDE AVE N BOAT RAMP
	SUNSET HILL PARK
	SUNSET PLACE
	SW QUEEN ANNE GREENBELT
	T.T. MINOR PLAYGROUND
	TASHKENT PARK
	TAYLOR CREEK HEADWATERS
	TERRY PETTUS PARK
	THAYER PLACE
	THOMAS C. WALES PARK
	THOMAS STREET GARDENS
	THOMAS STREET MINI PARK
	THORNDYKE PARK
	THORNTON CREEK ADDITION: NORTH BRANCH
	THORNTON CREEK NATURAL AREA: 25TH/95TH
	THYME PATCH PARK
	TROLL'S KNOLL PARK
	TROLLEY HILL PARK
	TRUDYS TRIANGLE
	TWELFTH AVENUE SOUTH VIEWPOINT
	TWELFTH WEST AND W HOWE PARK
	UNION BAY BOGLANDS #1
	UNION BAY BOGLANDS #2
	UNIVERSITY CIRCLE
	UNIVERSITY LAKE SHORE PLACE
	UNIVERSITY PLAYGROUND
	URBAN TRIANGLE PARK
	URSULA JUDKINS VIEWPOINT
	VAN ASSELT PLAYGROUND

	VICTOR STEINBRUECK PARK
	VICTORY CREEK CONFLUENCE NATURAL AREA ON TC
	VICTORY CREEK PARK
	VICTORY HEIGHTS PLAYGROUND
	VIEW RIDGE PLAYFIELD
	VIRETTA PARK
	VIRGIL FLAIM PARK
	VOLUNTEER PARKWAY
	WALLINGFORD PLAYFIELD
	WALLINGFORD STEPS
	WARD SPRINGS PARK
	WASHINGTON PARK
	WASHINGTON PARK - JAPANESE GDN
	WATERFRONT PARK
	WATERWAY 19
	WATTON LIFE ESTATE
	WEBSTER PARK
	WEDGWOOD SQUARE
	WEST CENTRAL GROUNDS MAINTENANCE
	WEST DUWAMISH GREENBELT
	WEST EWING MINI PARK
	WEST MAGNOLIA PLAYFIELD
	WEST MONTLAKE PARK
	WEST QUEEN ANNE PLAYFIELD
	WEST SEATTLE JUNCTION
	WESTBRIDGE SHOPS
	WESTCREST PARK
	WESTLAKE GREENBELT
	WESTLAKE SQUARE
	WILLIAM GROSE PARK
	WILLIAMS PLACE
	WOLF CREEK RAVINE NATURAL AREA
	YORK PARK
	YORK PLAYGROUND