

Appendix L - Disc Golf Study

DISC GOLF STUDY EXECUTIVE SUMMARY

The City of Boulder Parks and Recreation Department currently has one nine-hole disc golf course at Harlow Platts Park in South Boulder. The disc golf community would like the city to provide an 18-hole disc golf course. This executive summary and the following Disc Golf Study and attached documents are presented in response to a request from City Council to develop options for disc golf in the context of the department's 2006 master plan.

In 2005, the Parks and Recreation Department inventoried and evaluated all city-owned properties with a minimum of 15 acres. These included 20 properties owned by the department and five properties owned by other departments. Each site presented challenges that would have to be resolved to accommodate a disc golf course.

The department's analysis of potential disc golf sites indicated four potential sites. Of these, two sites seem to be the most feasible: Valmont City Park and Flatirons Golf Course (Papini Property and Area III Planning Reserve are not intended for development in the near future). Valmont City Park has approved concept and site review plans that the department will be updating in 2007. The update of the approved plans will entail redesign of the park, including all recreation activities as well as potential new facilities. The site plan update will involve the community, the Parks and Recreation Advisory Board, Planning Board, and City Council. Further consideration of Flatirons Golf Course would require the department to complete a compatibility study.

DISC GOLF STUDY

Prepared September 2005 and Updated October 2006

The City of Boulder park system currently has one nine-hole disc golf course at Harlow Platts Park that is well-used. The disc golf community would like the city to provide an additional 18-hole disc golf course, and has addressed this issue over a number of years through park development public processes.

During the Valmont City Park planning process (1997-1999), members of the disc golf community participated in planning meetings and provided a petition with signatures. Disc golf was not included in the final approved Valmont City Park Plan.

The city of Boulder has had a disc golf course at Harlow Platts since in the early 1990s. The disc golf community created an unofficial 18-hole disc golf course at Tantra Park. This course was removed in 2003 after extensive discussions with the neighbors. The city renovated and upgraded the Harlow Platts nine-hole disc golf course to improve its function for community use. The course is very popular and well used.

The disc golf community posted a notice at the newly renovated Harlow Platts disc golf course in 2004, requesting that concerned residents voice their opinion about disc golf to department staff and public officials. The City Council received many emails from the disc golf community requesting that the city provide an 18-hole disc golf course. The City Council requested that the department develop options for an 18-hole disc golf course and present those options to Council with pros and cons in the context of the master plan. The department conducted a disc golf study to formulate options. See Attachments A and B for inventory and site location map.

This study includes:

- I. Recreation surveys to determine community needs for an 18-hole disc golf course relative to other recreation activities
- II. Inventory and analysis of potential sites for an 18-hole disc golf course
- III. Construction costs and land values

I. Recreation surveys to determine community needs for an 18-hole disc golf course relative to other recreation activities

The 2005 City of Boulder Parks and Recreation Survey posed two questions relating to disc golf. The first question asked whether the respondent or anyone in the household had engaged in specific listed activities in the previous 12 months. Responses included:

- Approximately 33 percent reported playing field sports such as soccer, football, rugby, field hockey, lacrosse, or ultimate frisbee at a Boulder park or facility, and about 25 percent played field sports at another park or facility.
- Approximately 25 percent reported they or other household members had played court sports or taken lessons at a City of Boulder facility.
- Approximately 25 percent had played field sports at a facility not owned by the City of Boulder.
- Approximately 12 percent of respondents had played disc golf at a City of Boulder course; another 10 percent had played outside of Boulder.
- Approximately 11 percent of households had adult members who participated on a City of Boulder sports team, while 15 percent played elsewhere. (It is important to note that many local sports agencies, while separate from the City of Boulder, use municipal-sponsored playing fields for league play.)
- By comparison, the proportion of households that reported playing baseball or softball, participating on a children's or teen's sports team, or playing hockey or taking lessons ranged from 3 to 7 percent.

In the 2005 survey, residents also were asked the importance of several potential park development projects.

- Developing vacant neighborhood parks sites and vacant pocket park sites was identified as "essential" or "very important" by seven in ten respondents.
- Six out of ten respondents said it was "very important" to finish developing East Boulder Community Park, and half felt it was "essential" to "very important" to finish developing Foothills Community Park.
- Two in five said it was "very important" that the city develop more multi-purpose fields for soccer, football, rugby, field hockey, and lacrosse.
- One in five felt it was "very important" to develop an 18-hole disc golf course with varied terrain.

The complete survey is included as Appendix G in this document.

The Boulder Valley School District (BVSD) completed an **Athletic Facility Needs Assessment** in 2005. BVSD research concerning teen interest in facility-based recreation activities, including disc golf, is shown in Attachment B. BVSD's assessment included research findings from the 2001 City of Boulder Parks and Recreation Survey.

In 2001, the department completed a citizen survey to identify levels of satisfaction with the parks and recreation system and to identify recreation needs and trends. In 2002, information from this survey was incorporated into the **2002 Recreation Needs Assessment**, which addressed specific recreation facilities on the basis of:

- feedback from focus group members and public meetings indicating moderate to high demand;
- high-ranked items in the Parks and Recreation survey regarding participation rates and the importance of new/additional facilities; and
- interviews with staff and program directors confirming high levels of demand.

The **2001 Parks and Recreation Survey** results showed 13 percent of adults and 1 percent of children participated in disc golf. For comparison, listed below are participation rates for some other facility-based activities in the parks and recreation system.

Adults		Children		Children and Adults	
swimming	48%	swimming	75%	swimming	123%
tennis	24%	ice skating	48%	ice skating	68%
golf	22%	soccer	36%	tennis	55%
basketball	21%	tennis	31%	soccer	48%
ice skating	20%	basketball	28%	basketball	49%
volleyball	18%	gymnastics	24%	volleyball	30%
ultimate frisbee	17%	skateboarding	19%	ultimate frisbee	26%
disc golf	13%	football	15%	golf	24%
soccer	12%	volleyball	12%	skateboarding	23%
softball	9%	golf	12%	gymnastics	25%
football	7%	ice hockey	9%	football	22%
ice hockey	4%	ultimate frisbee	9%	softball	17%
skateboarding	4%	baseball	8%	disc golf	14%
baseball	3%	softball	8%	ice hockey	13%
gymnastics	1%	disc golf	1%	baseball	11%

Disc golf did not surface as a potentially high-demand recreational need during this process. The needs assessment indicated that disc golf had seen an increase in participation, and should be considered in future park planning studies.

II. Inventory and analysis of potential sites for an 18-hole disc golf course

According to the Professional Disc Golf Association, the ideal disc golf course site would be located in a "wooded area with diverse terrain to provide natural obstacles to the flight of the disc." One acre per hole generally should be provided. However, this requirement varies according to the terrain; more interesting terrain uses less land per hole than open, flat property lacking natural obstacles.

Staff inventoried and evaluated all city-owned properties with a minimum of 15 acres. Members of the disc golf community, including Jim Haswell, Ash

Disc Golf Study, cont'd

Holcomb, and John Bird, assisted staff in identifying disc golf course development criteria and evaluating existing sites for potential course development. Attachments A and C provide a site inventory and analysis of each site and a map of the properties studied.

Four sites emerged as having potential for development of an 18-hole disc golf course. Each site presented challenges that would have to be resolved to accommodate a disc golf course.

Valmont City Park: Valmont and Airport Roads

This 132-acre park site has approved Concept and Site Review Plans based on an extensive public process (1997-1999). The approved Concept and Site Review plans include: hard surface courts, recreation buildings, ballfields, large group picnic areas, dog park, community gardens, natural wildlife enhancement areas, playgrounds, park operations complex, multi-use turf, roads, parking, pond, utilities, and infrastructure. A disc golf course was considered and rejected by the Parks and Recreation Advisory Board during this initial planning process for the park. Re-evaluation of this decision will require redesign of the park, a full public process, board and council reviews as needed, and amendments to the approved Concept and Site Review Plans. Providing space for an 18-hole disc golf course at this site will require removal and/or relocation of recreational facilities and park uses approved during the original concept and site review process. Prairie dogs occupy a portion of the undeveloped acres at Valmont City Park. Development of the disc golf course would have to comply with current city ordinances regarding preservation of prairie dogs and prairie dog habitat.

Pros:

- Property is park land
- Some city utilities are available
- Nearby access on public roads and bike paths
- Some nearby parking
- Interesting vegetation and terrain
- Sufficient space possible, depending on course configuration

Cons:

- No overall park redevelopment plan
- Less than 15 acres available for new disc golf course within existing park site plan
- Infrastructure requirements
- No nearby restroom
- Prairie dog colonies
- Historic homestead on site
- Not included in approved concept and site review plans
- No public process regarding disc golf at this site

Flatirons Golf Course: 5706 Arapahoe

This existing golf course could be used by the disc golf community if a) the disc golf course were installed to complement the pace and play of regular golf, and b) the disc golf community were willing to pay to play.

Pros:

- Infrastructure, ball golf pro shop, maintenance facilities, ponds, roads, parking, trails
- Rolling terrain, trees, turf, tees, clubhouse, and catering business
- Sufficient space for 18-hole disc golf play if disc golfers are willing to play in same sequence and manner as ball golf

Cons:

- Municipal golf course already fully programmed with ball golfers
- Inequity of user fees unless both disc and ball golfers pay similar fees
- User compatibility study required
- No public process regarding disc golf at this site

Area III Planning Reserve Park Site: 26th Street and Yarmouth

Area III city park site has 191 undeveloped acres and is located outside of the approved city of Boulder development area. This site is zoned Boulder County Rural Residential. It is located within the Boulder Valley Comprehensive Plan Area III Planning Reserve, which is an interim classification until it is decided whether this land should be placed in the Area III-Rural Preservation Area or in the city's Service Area. A Boulder County Special Use Review and approval would be required to develop a disc golf course. Development of an 18-hole disc golf course on a portion of this park would be designated as a "temporary recreation use," to be reconsidered when a comprehensive plan is prepared for the entire park site. As long as the temporary disc golf course does not require extensive development, including extension of city water or sewer, it should comply with the conditions of the Area III Planning Reserve designation. Prairie dogs occupy a number of the undeveloped acres at this site, and development of the disc golf course would have to comply with current city wildlife ordinances.

Pros:

- 191 undeveloped acres
- Adequate space for course

Cons:

- Site is within Boulder County, zoned Rural Residential
- No current approved planned uses
- Prairie dog colonies
- Requires County Special Use approval for temporary or permanent course
- No city utilities, access, parking, trash removal, infrastructure
- No public process regarding disc golf at this site
- Not centrally located
- Site is relatively flat with grasses and weeds
- Site is addressed in department's vision plan funding level

Papini Property: West end of Kelso Road off 51st Street, near Boulder Reservoir

This 77-acre site is zoned Boulder County Agricultural and is located within the Boulder Valley Comprehensive Plan Area III - Agricultural Preservation area, where the city and county intend to preserve existing rural land uses and character. A Boulder County Special Use Review and approval would be required to develop a disc golf course at this site. A portion of the site is leased to grow and harvest hay. The remainder of the site is undeveloped uplands with a small riparian area. As long as the disc golf course does not require extensive development, including extension of city water or sewer, it should comply with the conditions of the Area III Agricultural Use designation. Prairie dogs occupy a number of the undeveloped acres, and development of a disc golf course would have to comply with current city ordinances regarding preservation of prairie dogs and prairie dog habitat.

Pros:

- Large undeveloped site, rolling terrain, ditch, road, grasslands, plantings
- Adequate land depending on course configuration

Cons:

- Possible future Open Space and Mountain Parks acquisition
- No current approved development plans
- Located within the county, with Agricultural Zoning
- Requires County Special Use approval for temporary or permanent course
- No infrastructure, city utilities, parking, trash removal
- Limited access
- Not centrally located
- Prairie dog colonies
- No public process regarding disc golf at this site

III. Construction Costs and Land Values

Preliminary estimates for constructing an 18-hole disc golf course range from \$1,000 to \$4,000 per hole, or approximately \$18,000 to \$72,000 for an 18-hole course, not including the cost of the land.

If land were available for purchase, an 18-hole, 18-acre disc golf course would range in cost from \$720,000 outside the city limits to \$3.24 million inside the city limits. Land values range as follows:

- Outside the city boundaries (example: Area III): approximately \$40,000 to \$50,000 per acre
- Inside the city of Boulder (example: Valmont before annexation): approximately \$150,000 to \$180,000 per acre

ATTACHMENTS:

- A. Inventory and Analysis of Potential Sites for an 18-Hole Disc Golf Course
- B. 2005 Boulder Valley School District Athletic Facilities Needs Assessment, Teen Participation Rates
- C. Map of City Owned Sites (15 acres or larger)

ATTACHMENT A

Inventory and Analysis of Potential Sites for 18-Hole Disc Golf Course **September 1, 2005** **Updated October 6, 2006**

Notes and Assumptions:

1. All sites are owned by the City of Boulder unless noted otherwise.
2. Detailed site evaluation criteria are provided at the end of this document, [Disc Golf Site Inventory/Analysis Criteria](#).
3. Disc golf representative input was provided by John Bird, Alex Holcombe, and Jim Haswell, summer 2005.
4. City and County Open Space lands do not permit active recreational uses such as disc golf. Open Space lands were excluded from this analysis.
5. No further site feasibility evaluation will be provided for sites that have less than 15 acres available for a dedicated 18 hole disc golf course.
6. The majority of the large, undeveloped parklands managed by the Parks and Recreation department are occupied by prairie dogs. Current municipal ordinances prohibit disturbing prairie dogs and/or damaging prairie dog burrows and their habitat. The prairie dog component of the Urban Wildlife Management Plan (UWMP) describes mitigation criteria for land that is currently occupied by prairie dogs in the Urban Service Area. The Urban Service Area is primarily intended for the development and support of human land uses and services. All sites that may be considered for potential development as a disc golf park must be analyzed in the context of the UWMP.

ID	Site Name and Description	Total Acres	Site Manager/ Owner	Disc Golf Player Comment	Existing Uses / Required Buffers	Prairie Dog Conflicts	Evaluation Status: <i>no further evaluation will be provided for sites that have less than 15 acres available for a possible disc golf course development.</i>
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SITE AVAILABILITY

PARK PROPERTIES							
A	Valmont City Park	132	PR	Yes		Yes	
	City Park with approved concept and site review plans. Proposed recreation development includes but it not limited to: hard surface courts, recreation buildings, ballfields, large group picnic areas, dog park, community gardens, natural wildlife enhancement areas, playgrounds, park operations complex, multi use turf, roads, parking, pond, utilities, and infrastructure.				Total site - existing uses and planned uses plus use buffer areas = < 15 acres available for new disc golf course		There is sufficient area in this park for a disc golf course if other approved uses were removed or relocated. Disc golf was considered and rejected during the initial concept planning process for this park (1997-1999). Re-evaluation of this decision would require redesign of park, including full public process, board and council meetings as needed, and amended Concept and Site Review Plans along with funding to support the process. Other issues to consider: prairie dogs and infrastructure requirements.
B	Area III	191	PR	Yes		Yes	
	Undeveloped park property outside of approved City of Boulder development area. Site is relatively flat with low grasses, forbs, rocks, and weeds. Portions of site occupied by prairie dogs. Site is within Boulder County zoned Rural Residential and is within the Boulder Valley Comprehensive Plan Area III-Planning Reserve.				Sufficient space for 18 hole disc golf course. No current approved planned uses on this site.		The disc golf representatives (John Bird) requested that at least 40 acres be allocated for disc golf at this site. Further evaluation will be provided. Requires County Special Use review and approval for temporary or permanent course. Additional issues: overall park development public process, infrastructure, access, parking, prairie dogs, trash removal.
C	Papini	77	PR	Yes		Yes	
	Large undeveloped site containing prairie dog colonies, rolling terrain, ditch, road, grasslands, plantings. There are no current approved development plans for this site. This site is within the county with Agricultural Zoning and is within the Boulder Valley Comprehensive Plan Area III-Rural Preservation Area.				Existing uses plus buffer of uses and neighboring development may = > 15 acres (further research required)		Further evaluation will be provided. Requires County Special Use approval for temporary or permanent course. Additional issues: access, parking, prairie dogs, trash removal.

ID	Site Name and Description	Total Acres	Site Manager/ Owner	Disc Golf Player Comment	Existing Uses / Required Buffers	Prairie Dog Conflicts	Evaluation Status: <i>no further evaluation will be provided for sites that have less than 15 acres available for a possible disc golf course development.</i>
D	Flatirons Golf Course	130	PR	Maybe		No	
	This is a municipal golf course with rolling terrain, trees, irrigated and bluegrass turf, tees, fairways, roughs, greens, driving range, clubhouse and catering business, golf pro shop, maintenance facilities, ponds, roads, parking, trails.				Sufficient space for 18 hole disc golf play if disc golfers are willing to play holes in same sequence and manner as golf and to pay same fees.		Further evaluation will be provided. Is the disc golf community interested in paying same fees per hole as standard golf community?
E	East Boulder Community Park	53	PR	NI		Yes	
	Community park with two ponds, recreation center, hard surface court complex (tennis, racquetball, basketball, volleyball), playground, multiple soccer fields, multi use trails, roads, parking, designated wetlands. Park contains approximately 13 undeveloped acres, a portion of which are being used for a temporary dog park. The existing approved concept plan indicates development of these 13 acres for multi-use turf fields, large group picnic facilities, roads, parking lots, and a specialty garden. A public process will be conducted to re confirm community needs and desires for development of these 13 acres.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation for 18 hole course. A possible 9 hole disc golf course may be considered within context of public process for final 13-acre phase of development.
F	Tom Watson Park	32	PR/IBM	NI		Yes	
	Park with regional service area provides ballfields, volleyball courts, tennis courts, pond, playground, exercise trail, road and parking lot, racquet or handball practice wall, covered large group picnic shelter and bathing house/restroom, basketball court, open multi use turf, prairie dog colonies.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation for 18 hole course. Negotiations for use of other IBM property may reveal space for 9 hole course.
G	Wonderland Lake Park	32	PR	NI		No	
	Neighborhood park with large open tall natural grass areas, multi use trails, playground, shelter, and multi use turf area.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation for 18 hole course. A possible 9 hole disc golf course may be considered with anticipated concern by neighbors similar to Tantra Park.

ID	Site Name and Description	Total Acres	Site Manager/ Owner	Disc Golf Player Comment	Existing Uses / Required Buffers	Prairie Dog Conflicts	Evaluation Status: <i>no further evaluation will be provided for sites that have less than 15 acres available for a possible disc golf course development.</i>
H	Boulder Reservoir Developed Area	25	PW	NI		Yes	
	Regional park with roads, parking lots, sand volleyball courts, playground, swimming beach, wind surfer beach, concessions/locker room building, formal large group picnic areas, marina parking, boat docks, boat ramp, marina building, residential maintenance building, outdoor boat storage, gatehouse, restrooms				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation for 18 hole course. Further evaluation may reveal space for 9 hole course.
I	Boulder Reservoir Natural Area	700	PR/PW	NI		Yes	
	Area surrounding Boulder Reservoir containing uplands, wetlands, prairie dog colonies, species of concern, hiking trail, shoreline recreation (swimming, boating, fishing), reservoir dam.				Sufficient space for 18 hole disc golf course if prairie dogs are either incorporated, relocated, or removed.		No further evaluation will be provided. Disc golf representatives identified prairie dogs, burrowing owls, lack of interesting topography, and configuration of parcels as undesirable for an 18 hole disc golf course.
J	Harlow Platts Park	51	PR	NI		No	
	Community park with large pond, recreation center, parking, roller hockey, playgrounds, multi use trails, tennis courts, sand volleyball courts, soccer fields, native grass areas, and 9 hole disc golf course.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation.
K	Gerald Stazio Ballfields	22.5	PR	NI		Maybe	
	Ballfield Complex with 7 softball fields, roads, three concessions/restroom/scorekeeper buildings, ballfield maintenance building and complex, warm up areas, parking lots, multi use trails, ditch, silo, barn, and wetlands.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation

ID	Site Name and Description	Total Acres	Site Manager/ Owner	Disc Golf Player Comment	Existing Uses / Required Buffers	Prairie Dog Conflicts	Evaluation Status: no further evaluation will be provided for sites that have less than 15 acres available for a possible disc golf course development.
L	Eaton Park	23	PR	NI		No	
	Neighborhood Park with small turf area, shelter, picnic and sitting areas, road access and on street parking, bicycle exercise/challenge area, multi-use trails, ditch, and extensive wetlands.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation
M	Scott Carpenter Park	21	PR	NI		No	
	Neighborhood Park with skatepark, parking lots, swimming pools, poolhouse, office building, legion ballfield, sledding hill, playground, multi-use trail, sitting areas.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation
N	Pleasant View Soccer Fields	54	PR	NI		No	
	Soccer complex with multiple soccer fields, parking, restroom building, storage sheds, multi use trails, wetlands, and Four Mile Creek.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation.
O	51st Street Natural Area	69	PR	NI		Yes	
	Area west of 51st Street and Boulder Reservoir containing Conservation Team horse pasture, prairie dog colonies, wetlands, species of concern. This area has provided a prairie dog relocation area in the past.				Total site - natural systems (wetlands and prairie dogs) = < 15 acres		No further evaluation.
P	Foothills Community Park	69	PR	NI		Yes	
	Community park with community gardens, maintenance and restroom building, restroom building, large group picnic shelters, three playgrounds, multi use turf, sledding hill, roller hockey courts, basketball court, multi use trails, roads, parking lots, native grass areas, large and small dog park, prairie dog colonies. 70% of site developed. Phase 2 scheduled for development in 2005-2006. Designated native grass area roughly 14 acres.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation.

ID	Site Name and Description	Total Acres	Site Manager/ Owner	Disc Golf Player Comment	Existing Uses / Required Buffers	Prairie Dog Conflicts	Evaluation Status: <i>no further evaluation will be provided for sites that have less than 15 acres available for a possible disc golf course development.</i>
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Q	Tantra Park	15.5	PR	NI		No	
	Neighborhood park with multi-use walks, open turf area for pick up and practice soccer play, playground, shelter, sitting areas, pond, ditch, small wetlands, and sledding hill. Site contains high percentage of open bluegrass landscape. Eight-month public process involving neighbors and disc golf representatives in 2003-2004 resulted in decision to enforce current city policy to prohibit disc golf on this neighborhood park site.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation.
R	Park East	16	PR	NI		No	
	Neighborhood park with basketball court, shelter, playground, multi use turf, and long linear and relatively narrow natural area containing Bear Creek and Bear Creek tributary trail.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation.
S	Chautauqua Park	16	PR/L	NI		No	
	Historic neighborhood park and community gathering area with dining hall, performance hall, public meeting buildings, roads, parking, playground, tennis court, open multi-use "green", arbor, picnic and sitting areas.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation
T	Coot Lake	20	PW	NI		Yes	
	Natural area with pond, parking lot, restroom, fishing dock, large wetland area, and interpretative nature trails.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation

ID	Site Name and Description	Total Acres	Site Manager/ Owner	Disc Golf Player Comment	Existing Uses / Required Buffers	Prairie Dog Conflicts	Evaluation Status: <i>no further evaluation will be provided for sites that have less than 15 acres available for a possible disc golf course development.</i>
NON PARK PROPERTIES							
NP-A	Old City Dump Site	15.4	PW	NI		Yes	
	Abandoned city dump located at the north end of 26th Street adjacent to the Boulder Rifle Club. Dump site contains steep hills with native plants, weeds, and rock cover, subsurface trash (toxic levels unknown), police bomb detonation facility, small creek, and road.				Total site - existing uses plus use buffer areas = < 15 acres available for new disc golf course		No further evaluation.
NP-B	75th Street Water Treatment Plant	75.01	PW	NI		Yes	
	The site contains the municipal wastewater treatment plant. Roughly 29 acres east of fenced treatment plant are undeveloped and contain prairie dogs, uplands, and wetlands. Roughly 1/3 of this area will be used as a staging area for a \$31 million plant expansion project, 2005-2008. This 29 acres area is also reserved for future plant expansions anticipated to meet evolving wastewater treatment standards. Security requirements for this property prohibit general public activity in or near the facility or facility access.				Total site - use, planned uses, and buffer areas = < 15 acres.		No further evaluation. Legal/security constraints.
NP-C	Betasso Water Treatment Plant	90.97	PW	NI		No	
	This site contains a city water treatment plant and associated infrastructure. The area of the site beyond the treatment plant contains steep and wooded slopes and a public mountain bike access trail. Security requirement for this property prohibit general public use in or near the facility.				Total site - use and buffer areas = > 15 acres (limited by topography)		No further evaluation. Disc golf representative's input indicates that the topography is too steep for a viable course.
NP-D	Municipal Airport	128.3	PW/L	NI		Maybe	
	This property is leased and designated for airport functions and airport related activities per federal grants. Other uses would not be permitted, specifically uses that would create safety issues. Contact: Noreen Welsh, Public Works.				Total site - use and buffer areas = < 15 acres.		No further evaluation. Legal/safety/ and security constraints.

ID	Site Name and Description	Total Acres	Site Manager/ Owner	Disc Golf Player Comment	Existing Uses / Required Buffers	Prairie Dog Conflicts	Evaluation Status: <i>no further evaluation will be provided for sites that have less than 15 acres available for a possible disc golf course development.</i>
NP-E	Valmont Butte	74.7	PW, F, OS	Maybe		Yes	
	Site consists of 36 acres (Fire Dept.), 38 acres (Utilities Dept.) bordered by 27 acres (Open Space Dept). The current Valmont Butte plan proposes development of most of the area, reserving non-public access wildlife and native artifact areas plus small area for future development.				Total site - proposed uses and buffer areas = < 15 acres		No further evaluation.
NP-F	City Yards / Public Works	44.59	PW	NI		Maybe	
					Total site - existing and proposed uses and buffer areas = < 15 acres		No further evaluation

KEY TO ABBREVIATIONS:

- NI = No Input
- PR = Parks & Recreation
- PR/IBM = Parks & Recreation/IBM Corporation
- PR/L = Parks & Recreation/
- PW = Public Works
- PW, F, OS = Public Works, Forestry, Open Space
- PW/L = Public Works/

Disc Golf Inventory / Analysis Criteria

1. Disc Golf within an existing use area:

An existing use area is any area within a park or site containing existing uses such as: buildings, walks, roads, parking lots, multi-use turf areas, multi-use trails, playgrounds, picnic facilities, bench and sitting areas, tennis courts, ballfields, skateparks, community gardens, roller facilities, and other.

- Provide 50 to 100' buffer between range of disc golf play and existing uses, public road right of ways, or private property lines.
- Protected natural systems such as wetlands would be considered a use area. Existing City codes would not permit disc golf in prairie dog communities.
- **Unacceptable:** total site area minus existing use area and buffers equals less than 15 acres. No further site evaluation will be performed
- **Good to ideal:** total site area minus existing use area = minimally 15 acres and ideally more than 18 acres

2. Disc Golf within a planned use area:

A planned use area is any area within an undeveloped or partially developed park or site containing proposed uses (see existing use list above) shown on an approved plan (Concept, Site Review, other) created within the context of a public process.

- **Unacceptable** = total site minus planned and existing use and buffer areas equals less than 15 acres
- **Good to ideal** = total site minus planned and existing use and buffer areas equals less than 15 acres and ideally 18 acres plus
- **Mitigating Factor:**

Sufficient acres (15 to 18) might be available for dedicated disc golf use if proposed uses on the approved plan are removed and/or relocated. This would require a new park planning process including but not limited to: a recreation needs assessment, site and infrastructure evaluation, environmental impacts evaluation, public participation (special interest groups, neighborhood, community) multiple boards' reviews, Planning and Development required approvals, Parks and Recreation Advisory Board advisory recommendation.

3. Disc Golf within a shared use or dedicated use area:

Ideally, a disc golf course is developed on a site dedicated to this use, similar to a standard golf course. This limits the potential harm from flying discs to those who are involved with the sport. Disc golf courses have been constructed on sites with other uses, with varied degrees of success, depending on the source of opinion. If a disc golf course is placed on a site with other uses, it must be designed avoid conflicts of use and impacts to adjacent site development or uses.

- **Good potential** for safe and functional dedicated use area adjacent to other uses
- **No potential** for safe and shared use of site unless existing or planned uses are removed.

4. Surfacing and topography: suitability for pedestrian traffic, erosion potential, maintenance needs, natural system impacts

- **Ideal** = Existing topography and site surfacing can support foot traffic without erosion, weed invasion, additional irrigation system or maintenance
- **Less than ideal** = Foot traffic on existing site surfacing will cause erosion, loss of plant cover, potential invasion of weeds, and/or existing topography and site conditions are not suitable for pedestrian traffic (steep slopes, thick tall grasses).

5. Physical, political, legal, or natural constraints (threatened endangered species, topography, prairie dogs, toxic issues, wetlands significant community or neighbor issues)..

- **Ideal** = absent a detailed site analysis, site appears to be relatively free of physical, political, legal, or natural constraints
- **Less than ideal** = absent detailed site analysis, site appears to have physical, political, legal, or natural constraints

6. Suitability for disc golf

Note: From PDGA Site Rules "Disc golf courses are normally laid out among wooded areas with diverse terrain to provide natural obstacles to the flight of the disc. The natural obstacles are very much a part of the game and must not be altered by the players in any way to decrease the difficulty of a hole."

- **Ideal** = site provides diverse terrain, wooded areas, and natural obstacles.
- **Less than ideal** = site is open and flat with no natural obstacles

7. Required infrastructure and maintenance: access, parking facilities, restroom, trash, ongoing maintenance

6a) Access:

- **Ideal access** = public hard surfaced roads (freeway, arterial, collector), soft surface (county roads, minimal impacts to neighbors) supplemented by public transportation, bikelanes, bikepaths
- **Less ideal access** = local or private roads, course development represents noticeable traffic increase for neighbors, minimal public transportation, bikelanes, bikepaths to site

6b) Parking facilities: *(Per John Bird: Provide 3 to 4 parking spaces per hole.)*

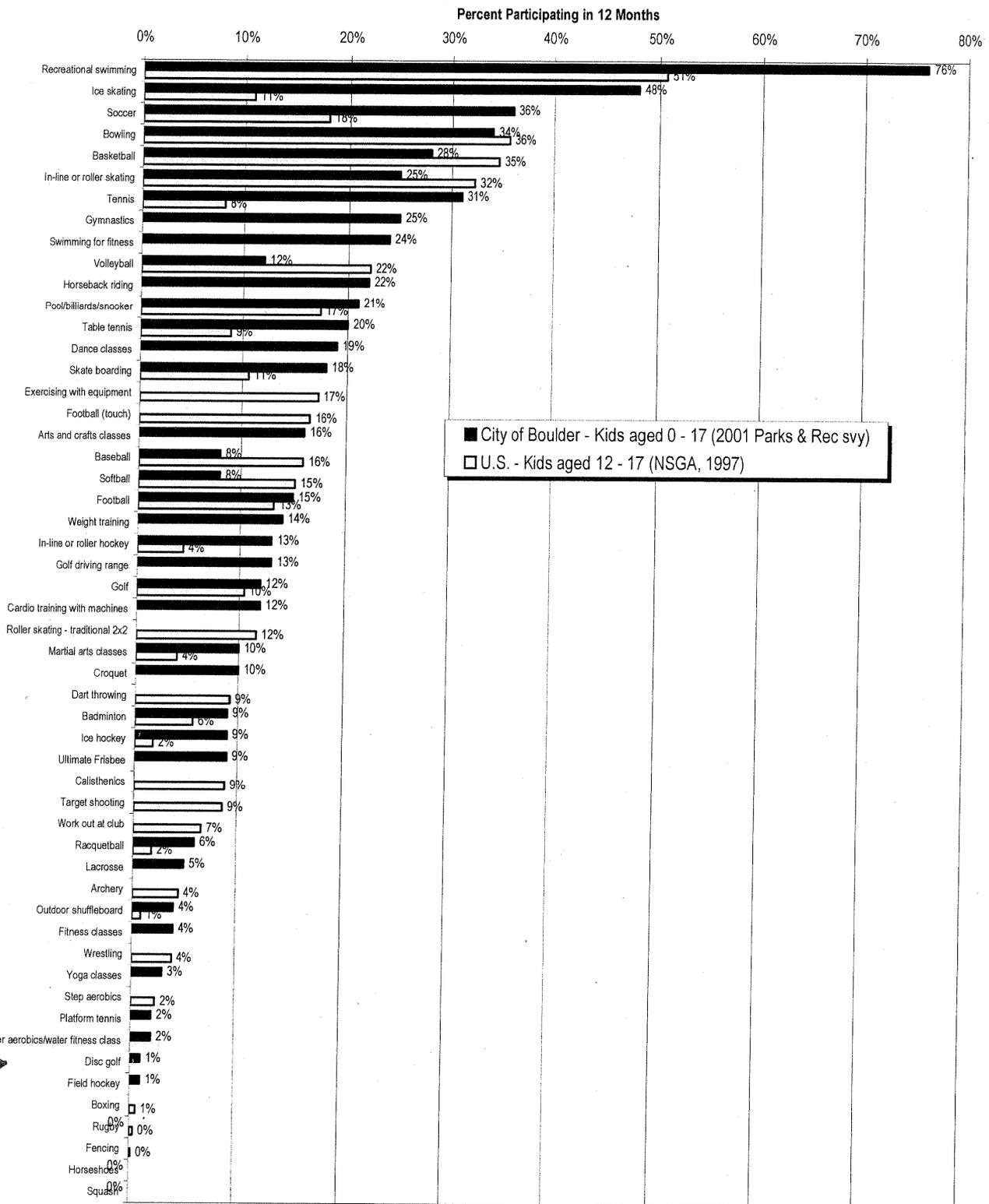
- **Ideal parking** = existing and maintained parking lot on site with capacity to handle anticipated disc golf players
- **Less ideal parking** = existing and maintained parking lot on site, but insufficient capacity to handle anticipated disc golf players
- **Less than ideal parking** = course development will require legal, political, financial resources to develop and maintain new parking facilities

6c) Restroom, trash, on going maintenance:

- **Ideal restroom and trash:** Site provides restroom facility and regular maintenance. Site provides trash cans and regular trash services.
- **Less than ideal restroom and trash:** Site has insufficient or no restroom or trash collection and regular trash services. Development will require resolution of legal, political, physical, and financial issues to provide restroom, trash, and on-going maintenance.

III. ENROLLMENT PROJECTIONS/PARTICIPATION RATES

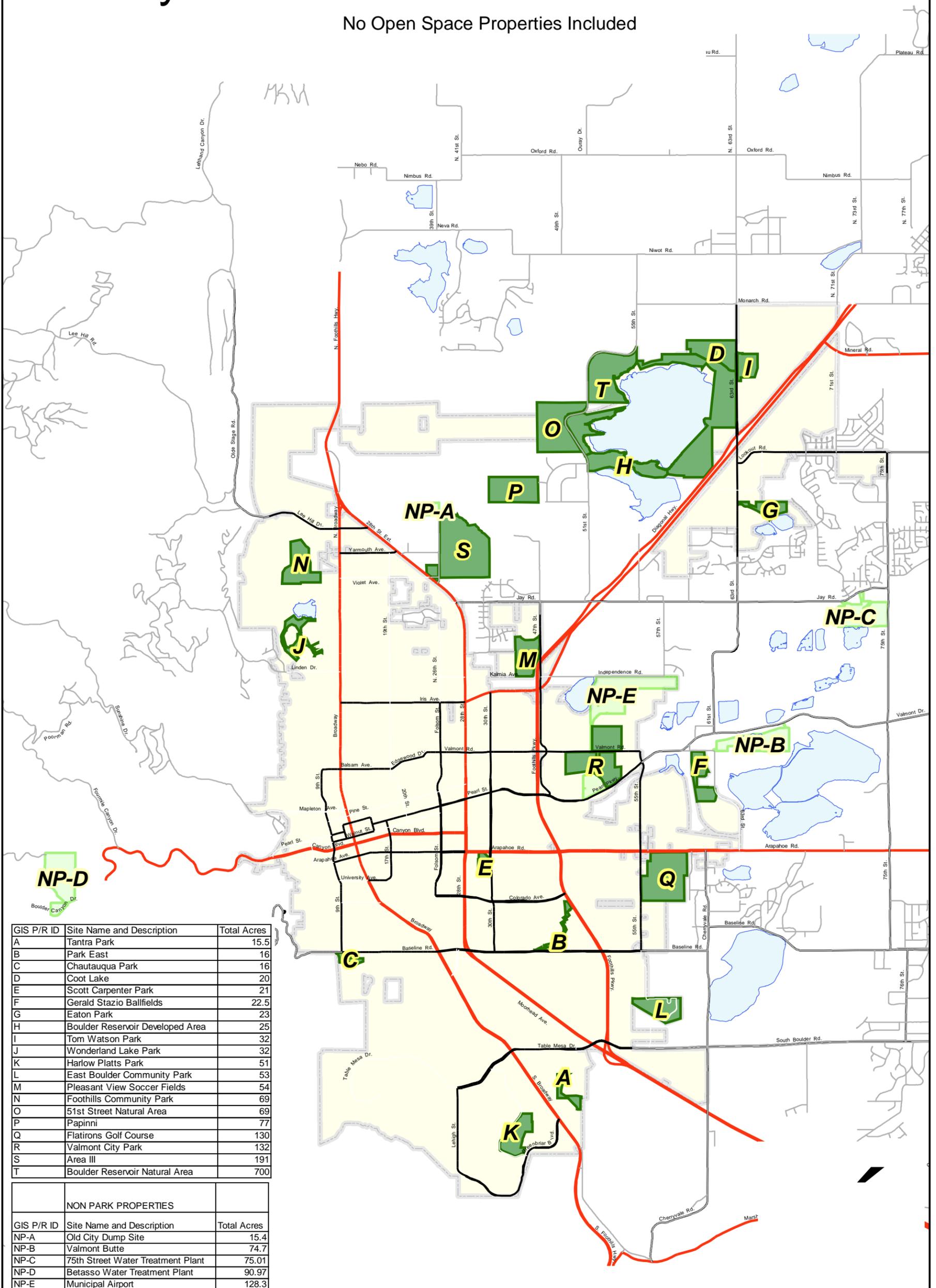
Figure 8
 Children's' Sports Participation Rates: U.S. (age 12 – 17) vs. City of Boulder (age 0 – 17)
 More Field- or Facility-Intensive Sports



Source: 2001 City of Boulder Parks & Recreation survey; "Sports Participation in 1997," NSGA.

City Owned Land 15 Acres or More

No Open Space Properties Included



GIS P/R ID	Site Name and Description	Total Acres
A	Tantra Park	15.5
B	Park East	16
C	Chautauqua Park	16
D	Coot Lake	20
E	Scott Carpenter Park	21
F	Gerald Stazio Ballfields	22.5
G	Eaton Park	23
H	Boulder Reservoir Developed Area	25
I	Tom Watson Park	32
J	Wonderland Lake Park	32
K	Harlow Platts Park	51
L	East Boulder Community Park	53
M	Pleasant View Soccer Fields	54
N	Foothills Community Park	69
O	51st Street Natural Area	69
P	Papinni	77
Q	Flatirons Golf Course	130
R	Valmont City Park	132
S	Area III	191
T	Boulder Reservoir Natural Area	700

NON PARK PROPERTIES		
GIS P/R ID	Site Name and Description	Total Acres
NP-A	Old City Dump Site	15.4
NP-B	Valmont Butte	74.7
NP-C	75th Street Water Treatment Plant	75.01
NP-D	Betasso Water Treatment Plant	90.97
NP-E	Municipal Airport	128.3

1 in. = 5,000 ft.

Map produced by the City of Boulder, Planning and Development Services GIS
 For information call (303)441-1880 or visit us on the web at <http://www.ci.boulder.co.us/pwplan/>.

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15 Acres or More

- Parks Property
- Other City Property
- City Limits

ATTACHMENT C

Don Jensen - P&DS, 7/18/2005

