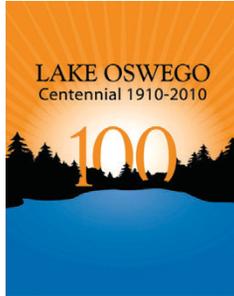


CITY OF LAKE OSWEGO

---

# Athletic Field Requirements Study 2011 Update





---

*Prepared for*

**The City of Lake Oswego**

---

*By*

**The Sports Management Group**

918 Parker Street, Suite A13

Berkeley, Ca 94710

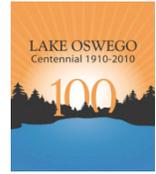
510.849.3090

[www.sportsmgmt.com](http://www.sportsmgmt.com)

## **Firm Bio**

The Sports Management Group is a unique and nationally recognized professional consulting firm, dedicated to the planning and operation of public and university recreation facilities. The range of our services includes: feasibility studies, design consulting, market and financial analysis, operational planning, marketing strategies, and facility programming and audits. Our staff takes great pride in their ability to develop solutions uniquely matched to our recreation client's strengths and needs.

The Sports Management Group has been privileged to work with over 400 communities and 150 universities in 38 states over the past two decades. Our work has been recognized with over 60 awards. We bring more recreation planning, financial, and operation experience than any other firm in the country. Serving as the planning, operations, and economic consultant for public recreation is all we do. We understand the challenge of delivering quality program and services that meet the public's expectations while reducing operating subsidies.



## Athletic Field Requirements Study

Update 2011

# Executive Summary

## Introduction

The City of Lake Oswego is a community of distinction. The City enjoys a reputation of excellence for its schools, top-ranked library, charming downtown, diverse recreational offerings, and beautiful parks. The City's planning and development efforts are committed to maintaining the City's history and vitality, enriching the quality of life of its residents, and carefully planning for its future.

### SPORTS FIELDS NEEDS ASSESSMENT

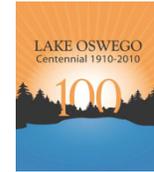
Providing quality community facilities and maintaining a sufficient inventory of facilities to meet the needs of the community are strategic objectives of the Parks and Recreation Department. With a heavily engaged and active population, the City has experienced challenges in providing a sufficient inventory of facilities to meet the needs and interests of its citizens. Providing sufficient field space and time for youth and adult sports is one of the challenges the City of Lake Oswego faces.

In 2001 the City of Lake Oswego commissioned a study to inventory sports fields, assess demand, identify either the oversupply or deficiency of fields to meet the demand for practice and game fields at that time of the study, and to make recommendations. The findings were reported in the *2001 Athletic Field Requirements Study – Summary of Technical Findings*.

In 2011, the field study was repeated, with staff capturing the same data points as the previous study. The information was captured and reported in the *2011 Athletic Fields Data Summary*. In October 2011, The Sports Management Group was engaged to analyze data from the 2001 and the 2011 study to determine if there are significant changes in the supply, demand, and utilization of athletic fields and identify any existing deficiencies and/or oversupply.

## Methodology

The Sports Management Group analyzed the two sets of data provided by staff – the *2001 Athletic Field Requirements Study - Summary Technical Findings and Implications Study* and the *2011 Athletic Field Data Summary*. The analysis applies the same assumptions used in the 2001 study regarding fields. Like the 2001 study, it does not assess current field conditions, field maintenance schedules, or the status of joint use agreements with other public and/or non-profit field facility providers. In the 2001 study tournaments and summer camps were not considered as a factor in field demand and for consistency not considered in 2011. However, tournaments and camps impact field demand and use.



## Athletic Field Requirements Study

Update 2011

The field inventory and existing field conditions are based on information provided by City of Lake Oswego. The information was gathered from interviews with team sport organizations and the Lake Oswego School District. The studies measure demand and field use by the number of “slots”. A slot represents the typical length of time required for a practice or the time required for a game.

The Sports Management Group analyzed community demographics, using historical and current population data, and analyzed demographic trends to the year 2025, as forecast in the *Lake Oswego Population Baseline Analysis*. Local, regional and national trends in recreation and sports were also analyzed and applied to projections of future demand. The findings of the detailed analysis are reported in the *Analysis of Base Data 2001-2011* section of this report.

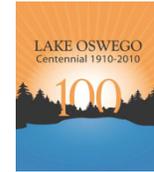
The study also projects future demand, based on a series of assumptions. This information is presented in a section that asks the question, “The population is changing, so why build more fields?” The final section of this report provides short-term and long-term recommendations to address field deficiencies. Supporting data used in this analysis are provided in the Appendix.

### Summary of Findings

- The City of Lake Oswego Parks and Recreation Department is maximizing the use and provision of available sports fields. The Department employs an effective multi-use strategy that reconfigures fields for different sports depending upon the sport season, primary need, field conditions, and use policy.
- The 2001 study found sufficient supply of softball/baseball fields for the demand at that time. The study noted only slight capacity for growth (5 slots during peak time) of the largest ballfield (65' x 300'). (See *Athletic Field Summary Requirements* on page 1 of the Appendix.) In 2001 there were two (2) lighted 65' x 300' fields and in 2011 there are three grass fields of which two (2) are lighted. By 2011 the demand for the fields grew significantly. Although there is greater capacity, the demand has surpassed capacity. During the June peak there is an 80-slot capacity and a 120-slot demand. Two (2) additional 65' x 300' fields with lights are needed to meet the current demand.
- In 2011 there are seven (7) less softball/Little League fields than existed in 2001. During this period the demand for T-Ball, which uses a 60' x 150' field <sup>1</sup> has also declined. There is a current shortage of one (1) 60' x 180' Little League Field needed to meet demand.

---

<sup>1</sup> Field size refers to maximum baseline paths



## Athletic Field Requirements Study

Update 2011

- The 2001 study identified a significant shortage of soccer/football fields to meet the demand at the time. The study identified the immediate need to “buy and develop more soccer fields”. Two (2) synthetic turf fields have been added to the inventory since 2001. One field was constructed at Lakeridge High School and is available for community use on Sundays only. Hazelia Field was constructed in Luscher Farm Park and is available for community use throughout the week and weekends. A small grass practice field was developed at Rivergrove Elementary School. Despite the increase in the number of fields, there continues to be deficiencies in the number of fields to meet the current demand for youth and adult sports.
- Adult sports are not able to use fields for practice during the youth sport seasons. Field space is only available for adult co-ed soccer games. Field space is not available for adult lacrosse or adult football practice or games.
- Field space for game slots are available only for adult softball once the season begins.
- Youth practice times are scheduled until 10pm weekday evenings in order to accommodate demand.

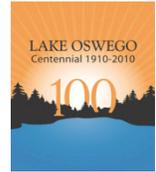
### Recommendations to Address Deficiencies

The Sports Management Group developed short-term and long-term recommendations to address the deficiencies in sports fields.

#### SHORT-TERM RECOMMENDATIONS (1 – 5 YEARS)

##### Sports Field Service Standards

1. Recommend the Parks and Recreation Department work with the community, School District, and stakeholders to establish service standards for sports fields. Level of service standards are the expression of the minimum acceptable facilities for the community, provides a guideline to determine land requirement, is a basis for relating recreational needs to spatial analysis, and articulates the service level the City desires to provide its citizens or service area. The purpose of establishing level of service standards for recreation facilities is to ensure adequate provision of facilities and acceptable levels of opportunity for residents. Acceptable levels of opportunity typically considers the: (1) quality of the experience; (2) availability of programs and activities; (3) convenience of access; and (4) suitability for intended use. Often, standards are expressed in terms of facility type per unit of population. Facility standards will change over time as the program interests change and demographics of the community change. Establishing sport service standards will provide a mechanism to assist the Department in establishing policy to address trends, existing and emerging sport needs, and the appropriate response to meet those needs. It is also recommended that a budgetary component of each of these approaches be established to assist in policies regarding field development and allocation.



## Athletic Field Requirements Study

Update 2011

### Soccer/Football/Lacrosse:

2. There is a significant deficiency in multi-use soccer fields – specifically, the 210' x 330' field size. Recommend the addition of, at minimum:

- Two (2) lighted synthetic turf field to address current demand.

Other options to meet the specific demand, based on funding limitations:

- One (1) lighted synthetic turf field and two (2) lighted grass fields
- Three (3) lighted grass fields

3. In addition, recommend adding two (2) 150' x 225' grass with lights fields.
4. Also recommend the addition of three (3) 100' x 180' grass fields.

*Refer to page 11 for other considerations.*

### Baseball/Softball:

5. There continues to be a significant deficiency in specific size softball fields. Develop a minimum of two additional lighted 65' x 300' softball fields to accommodate existing demand.
6. Recommend a 60 x 180 grass field.
7. Determine if underutilized fields, 60x 150 and 60x170, can be converted to 60 x 180 field size.
8. Continue to work with the School District to obtain time on existing school fields.

*Refer to page 11 for other considerations.*

## LONG-TERM RECOMMENDATIONS (6-15 YEARS)

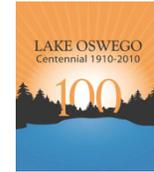
### Soccer/Football/Lacrosse:

1. Three more lighted synthetic turf fields are needed to address near-future demand in addition to the two listed in the short-term strategy to address peak period.

#### Options:

- Two (2) lighted synthetic turf fields and one (1) lighted grass field
- One (1) lighted synthetic turf field and three (3) lighted grass fields

2. Three more 100 x 180 grass fields are needed to address near-future demand in addition to the three listed in the short-term strategy.
3. Explore indoor soccer field possibilities.



## Athletic Field Requirements Study

Update 2011

# Analysis and Findings

## Demographics

Demographics are one factor in forecasting demand and trends that impact athletic field use. The *Lake Oswego Population Baseline Analysis 2010* prepared by FCS Group for the City of Lake Oswego Comprehensive Plan planning process estimates the 2010 Lake Oswego population to be 43,094 people within the Urban Services Boundary (USB).<sup>2</sup> The study forecasts the USB population to increase to 48,398 by 2025 (+12.3%), according to the analysis provided by FCS Group. There are many factors that contribute to the projected growth: metropolitan proximity; the communities' attractiveness; future redevelopment; and infill, which is already trending towards higher density infill and redevelopment. The study also stated that:

“Lake Oswego’s future population growth will be a function of planned development, along with changes in fertility and death rates, and in-migration and out-migration patterns. Local housing stock availability and price levels and broader national, international and regional economic conditions will also influence the pace of growth.”

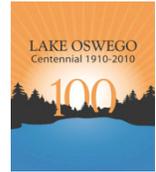
The population trend of the past decade is expected to continue over the next 15 years with a decline in the 5-9 age group (-6.9%) and in the 10-14 age group (-8.0%). However, Lake Oswego continues to attract and retain the following demographic groups:

- Working singles, ages 20-24
- Small families with children under age 5
- Family forming adults, ages 25-44
- Children under the age of 5 years

Each of these age groups is forecast to increase between 2010 and 2025. Alone, children under the age of 5 years are forecast to increase 12.7% between 2010 (2,046) and 2025 (2,306). The population of working singles is a significant age group who may be participating in adult field sports, while families with children under age 5 will continue to provide the youngest sport field users. As a whole, the population of those over 18 years of age is forecast to increase to 38,825 — a 16.2% increase from 2010 (33,407).

---

<sup>2</sup> Lake Oswego Population Baseline Analysis, FCS Group in August 19, 2010



## Athletic Field Requirements Study

Update 2011

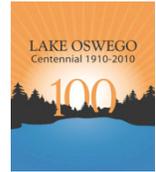
The population of baby boomers (age 55-64) is also forecast to grow nearly 12% between 2010 (6,917) and 2025 (7,846). Trend studies report that the baby boomer population is actively involved in improving and maintaining their health and wellness. As a group, baby boomers demonstrate a strong interest in participating in sports to keep fit and maintain health. This strongly suggests an increased demand for adult sports.

Although the 2010 to 2025 demographic trend in population between the ages of 5 years to 14 years decreases by approximately 8%, the projected impact on participation (See *Participation Rates* on Appendix pages 3 and 12.) is insufficient to reduce the demand for fields. The forecasted increase in children under 5 years and in the adult population, coupled with the current unmet demand, strongly indicates an increased field demand for field usage.

Through planning and development cities shape themselves into the community they want to be. The provision of quality schools, parks, and recreation services, including youth and adult sports, will attract residents with those interests. This, too, will impact future demand.

The City identified significant field deficiencies in its *2001 Athletic Field Study*. Since the time of that study and the present, the availability of fields for scheduling by the City has decreased, exacerbating the shortage. The deficiency will likely be more in 2025. Demographics changes are just one consideration in assessing demand and quantifying field shortages. Other considerations include the following:

- There is a shortage of field availability for all youth age groups. Anticipated changes in age groups in the period between now and 2025 will not reduce the demand. At the current rate of participation, it will likely increase.
- The shortage of fields limits youth practice and competition.
- Adult leagues do not have practices due to lack of field availability. Youth sports receive field priority and their current needs cannot be met, leaving no time for adult programs. The lack of field space for adult leagues may be a factor in limiting participation and growth in this program area. With the forecasted growth in the young adult population, this demand will increase.
- The trend of longer seasons and year-round dedicated sport play has resulted in an overlap in seasons and increased field demand. This demand is currently unmet due to field shortage. Longer seasons and year-round programs are important to youth striving for excellence in their sport and often with the goal of college level play and/or an athletic scholarship.



## Athletic Field Requirements Study

Update 2011

- The emergence of demand for “new” sports or growth in interest in traditional sports continues to add to the demand for fields. In Lake Oswego the demand for field space for lacrosse and football was not in evidence at the time of the 2001 study. The City cannot meet the current field needs of these sports and based on current national trends, the demand for lacrosse is expected to grow.
- The annual closing of grass fields for rest during the winter season has exacerbated the demand. For example, due to overlapping seasons, the adult softball league season has been shortened by a lack of available field space. This coupled with populations who are staying more active and pursuing athletics as a life-long activity has increased the demand for field availability.
- The lack of field space for current practice and games has implications that may be discouraging and/or limiting participant interest. With improvements in the quality and availability of fields, it is expected that participation will grow in youth and adult sport field uses for both practice and game activities.

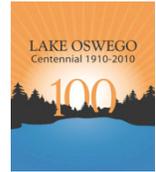
### Base Data Analysis 2001 - 2011

Fields are utilized in a multi-use strategy that considers primary need, sport season, field condition, and demand. To maximize use and best meet the demand, fields are reconfigured from one type of use to another, for example baseball to soccer. Fields are also shared with as many as three Under-8 soccer teams practicing on one field. This multi-use of fields resulted in an under reporting of the demand in the 2001 study as the practice and game field requests were determined by time periods and not by number of teams on the field. Consequently, more than one team would practice during a time period or make concessions to accommodate users. The 2001 study found a field deficiency in most sports that continues today. Since the 2001 study, fields have been built; however, there is very limited access to some of these fields under the established use priority system. The use priority for fields built on school property is the school’s sport programs. The high school demand for use leaves little time for public use and has done little to mitigate the deficiency of fields for community use.

#### BASEBALL/SOFTBALL

Although there were eight (8) fewer fields in 2011 than 2001, the overall peak capacity demand decreased for practice and game slots (see *Project Assumptions* on page 14 for details). The decrease was related to fewer requests for uses of 60’ x 150’ field slots to serve T-Ball. In the 2011 study there continues to be demand for fields serving older youth and adult age groups. There remains a deficit in specific size fields when separately analyzing the baseball and softball field needs.

There is a significant increase in demand for 65’ x 300’ field slots for practice and games. In 2001, there was a 5-slot surplus during the peak week in June. In 2011, the field capacity had a 40-slot deficit. The 65’ x 300’ field impact was acknowledged as a concern in the 2001 findings, which noted a five (5) slot surplus during the peak week in June as a minimal allowance.



## Athletic Field Requirements Study

### Update 2011

In 2001, the inventory included two (2) fields in this category. In 2011, there are three grass fields with two lighted 65' x 300' fields. The peak June demand has risen significantly with an 80-slot field capacity and a 120-slot demand. This field size accommodates ASA Girls 1st – 8th grade, High School Girls, Adult Coed Softball, and Adult Men's Softball.

Practice times are scheduled Monday through Friday, 3pm – 10pm. Game time slots are scheduled on weekends from 8am – 10pm. Due to the level of demand, practice field time slots are not offered for adult softball. Once the softball season starts, all fields are schedule for game use only.

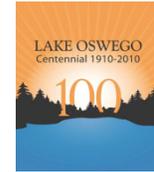
### SOCCER/FOOTBALL/LACROSSE

There is a significant unmet demand for multi-use soccer fields. There is a net reduction of one (1) multi-use soccer/football/lacrosse field than reported in 2001 (see *Project Assumptions* on page 14 for details). However, during the same time period in 2011, the overall demand for multi-use soccer/football/lacrosse slots increased by 293 requests, resulting in a 68% increase in unfilled slots, during the peak game and practice play period (October). Due to the level of demand, adult coed soccer is only scheduled for game slots. The slot requirements during peak week represent lacrosse practice and football game and practice play as well as soccer practice and play.

The 2011 study captures field use by 3 teams in the youngest soccer age group, 2 teams by the mid-age group, and one team by the older groups. It appears community groups have developed a system utilizing the limited field spaces and maximizing the use by teams. In order to accommodate the demand, they have compressed their needs resulting in condensing traditional seasons, less than desired number of practices and games, and limited ability to re-schedule if there is an issue with the fields. The 2011 study numbers also do not reflect the City's summer soccer camps (which would result in a 357 city player increase) as this use is during the weekday and does not directly impact practice and game play time for organized team play. However, these camps represent wear and tear on the fields and are a potential feeder program into the organized team play.

In the 2001 study, football and lacrosse game and practice play slots were combined and addressed with the soccer demand for the multi-use soccer fields. Since 2001, the number of youth playing lacrosse has grown requiring more practice and game field time, as well as the addition of youth flag football leagues. Both football and lacrosse compete for time on soccer fields, which is already severely limited. The 210' x 330' field size is the most urgent need as it serves all three sports. Even with the addition of two (2) synthetic and lighted soccer fields since the 2001 study, at Hazelia Field and Lakeridge High School, the demand remains unmet as access to the Lakeridge High School field is limited.

Practice times are Monday – Friday, from 4pm – 10pm, with game times on Saturday and Sunday scheduled from 8am – 8pm.



## Athletic Field Requirements Study

Update 2011

### THE POPULATION IS CHANGING, SO WHY BUILD MORE FIELDS?

The provision of fields in 2001 and in 2011 is insufficient to serve the demand. The 2001 Study summarized the deficiency of sport fields to meet the current demand for practice and game play. In 2011 the deficiencies have grown even though fields have been built since the previous study. Very limited access to the new fields on school campuses coupled with the growing need has resulted in the City not being able to accommodate the current demand and projected needs.

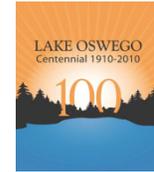
The *2010 SGMA Sports & Fitness Participation Topline Report* is an annual survey to determine levels of activity in a variety of sports, fitness, and recreation programs and identifies key trends. The report provided a review of activity level changes from 2000 to 2009. Since the population during this time period increased by 9%, activities that grew by 9% were reported as no significant change. The following participation levels were noted:

#### Sport Participation Change from 2000 – 2009

*The table represents the change in activity level for the sports discussed in this report.*

	National Trend	Lake Oswego Trend
<b>Baseball</b>	-12.7%	-8%
<b>Football</b>		
<i>Flag</i>	no significant change	
<i>Touch</i>	no significant change	
<i>Tackle</i>	-17.4%	27%
<b>Soccer</b>	no significant change	-4%
<b>Softball</b>		-35%
<i>Fast-pitch</i>	-2.1%	
<i>Slow-pitch</i>	-37.2%	
<b>Lacrosse</b>	131.1%	389%

The table shows the sport participation trends for Lake Oswego in relation to national trends. Lake Oswego is consistent with the national trends in which some sports experienced no significant change and others increased or decreased in their popularity.



## Athletic Field Requirements Study

Update 2011

Lacrosse is experiencing the most growth in Lake Oswego, with a 389% increase in participation. Football in Lake Oswego also differs from the national trend, with an increase in participation. Soccer, football, and lacrosse show continued growth in participation, 16% overall from 2001 to 2011. Lake Oswego also experienced a 25% decline in softball and baseball participation between 2001 and 2011, which is consistent with national trends.

The report signifies that soccer will maintain its current level of demand; lacrosse is experiencing growth; with baseball and softball experiencing a decline. The implication to Lake Oswego's field needs is the demand for fields will not change substantially. Today, Lake Oswego is experiencing a shortage of sport fields to accommodate normal sport playing seasons; avoid seasonal overlap; provide for adult sport practices; and provide for youth practices at times more conducive to school year scheduling (not late at night). Basic seasonal sport fields will continue to be an unmet demand if field availability remains the same. Trends of increasing demand for year-round competitive seasons, introduction of other sports growing in popularity (lacrosse), and increased sport activity levels for adults will create even greater demand for year-round fields.

### FIELD SCHEDULING EFFICIENCIES

The Lake Oswego Parks and Recreation staff has developed a field scheduling system that addresses user requests in the most customer servicing and efficient way possible within the limited field resources. Staff is maximizing the field resources by reconfiguring the fields for specific sport requirements while maintaining the playing integrity of the grass fields. This requires a constant monitoring of grass field conditions and maintenance and coordination with the scheduled use of the fields. Staff is addressing the field demand shortage as efficiently and effectively as possible. Field scheduling efficiencies at this time is not a factor that would substantially increase field use unless access to more fields was made available.

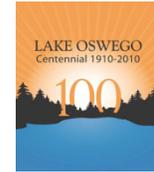
### SYNTHETIC TURF

One advantage of a synthetic turf field is year-round use without incurring the same damaging affects natural turf fields experience with weather and wear. According to studies, estimated annual maintenance costs are significantly lower with the synthetic turf. However, the initial construction costs are substantially higher with synthetic turf installation.

Industry standards place the life span of synthetic fields between eight and ten years. The replacement cost is less than the initial cost of installation because the foundation, base, irrigation and drainage system typically are re-used.

### San Diego County Case Study

A 2010 Field Analysis conducted for San Diego County studied the benefits and costs of adding two (2) natural turf versus two (2) lighted synthetic turf fields. Although San Diego County has regional characteristics that are not representative to Lake Oswego and the impact on fields may be different, the reasons for researching synthetic turf are based on similar needs.



## Athletic Field Requirements Study

Update 2011

Similar to Lake Oswego, the County's interests were: (1) extending the daily hours of play, (2) increasing the number of days the fields can be used throughout the year, (3) reducing maintenance costs, and (4) reducing water usage. The study identified significant savings in annual maintenance cost.

	Natural Turf	Synthetic Turf
<i>Annual Maintenance Cost (2 Fields)</i>	\$96,000	\$20,400

The San Diego study analyzed the life cycle costs of the two fields, based on a ten-year replacement schedule of the synthetic turf. The replacement cost at \$7.00 per square foot in 2010 dollars, includes the significant cost associated with the removal and disposal of the old field. A life cycle maintenance and replacement cost comparison was developed assuming a set-aside for replacement based on one-tenth of the expense each year with an escalation factor of 2% each year.

The table below illustrates the estimated life cycle cost of either two natural turf fields or two synthetic turf fields.

	Natural Turf	Synthetic Turf
<i>10 Year Maintenance Cost and Replacement</i>	\$1,406,200	\$1,769,100

With the addition of two (2) synthetic fields the County determined it could gain 2,923 hours of field use. Note: The County cannot use lights after 8:30 pm, thus resulting in a lower field use hours than would be available if lights could be used until 10 pm.

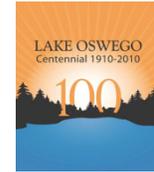
### Summary

As the population trend for the age groups typically using these athletic fields is slightly declining, the significant shortage of available fields to address game and practice slot times will produce higher rates of unmet demand in all age groups. The level of current unmet demand is resulting in a lack of flexibility in rescheduling cancelled games, providing for adult practice and game slots, and the growth of new youth and adult programs. The emphasis on healthy lifestyles and sport participation will continue in all age groups and amplify the issue.

### Other Considerations

The comparison of fields between 2001 and 2011 identified field deficiencies and provided an overview of the field game and practice demands. The fundamental issue of insufficient field availability to address demand has not improved significantly from 2001 to 2011.

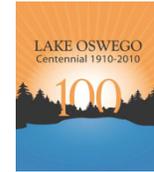
A number of alternatives were considered to address field capacity deficits. It was determined that implementation would not significantly reduce the need for more fields and, therefore, are not recommended to address capacity. These alternatives included:



## Athletic Field Requirements Study

Update 2011

- *Light more of the current inventory of 210' x 330' fields.* There are currently six (6) existing grass fields without lighting. Lighting grass fields will result in extended play and will result in greater degradation of field quality.
  - Grass fields are used to capacity in terms of the fields' ability to withstand damage from overuse. Lighting fields will increase damage to turf especially during high demand periods, resulting in costly repairs and removal of fields from inventory while undergoing repairs.
  - Lighting existing grass fields will not provide significant additional play time. The modest play time increase is insufficient to pay for lighting grass fields when considered against the cost of bringing portable lights on site, added maintenance, and increased field damage. The capital cost for installing lights does not offset the average extension of three hours of use per night. Concerns regarding neighborhood impacts from lights, noise from practice and game play, and parking are all issues that would require further study, analysis, and community input.
  - Practices are scheduled to 10pm during the weekday now, which is very late for youth participants. Increasing night practices with lights will not alleviate this concern.
- *Cover a portion of lighted grass fields with synthetic turf to extend play time.* Turfing existing grass fields does not add more fields or field slots to the inventory during periods of high demand. The turfing of existing lighted grass fields does not address the overall field demand deficiency by substantially increasing the number of available field slots during a high demand period.
  - It is not cost-efficient to replace grass fields with turf at this time as it does not substantially increase inventory. It requires fields to be placed out of inventory during building phase, and does not capitalize the possible synergies of field placement if more than one field was to be built.
  - Turfing of lighted grass fields provides a marginal benefit by extending the available hours of playtime during high demand. Converting some of the existing fields to turf will provide extended hours of use and yearlong playability. However, turfing existing fields does not add to the number of fields needed to serving the demand.
  - Due to limited land resources, the turfing of existing lighted grass fields may be an option for further consideration. However, it will not address the overall field demand deficiency as the data presents.



## Athletic Field Requirements Study

Update 2011

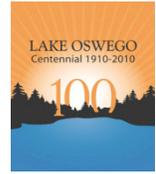
- *Explore options with the School District to address youth football needs with existing fields.*
  - Prime high school fields are used for high school play only. As a result, field slots for youth football are limited and will not be available during the required practice and game times.
- Multi-use grass fields are difficult to maintain and configure to accommodate all sport field uses. Placing lights on baseball/softball fields will also encourage use by soccer and lacrosse groups resulting in possible field damage and increased maintenance for baseball/softball play.
- *The possibility of indoor facilities, especially for soccer practices, requires further study.* Indoor facilities provide the opportunity for year-round and inclement weather play. Concerns include costs, capital and operating, and developing an operating model. As opportunities become available staff should explore options and analyze the costs and benefits.

### Fields Needed to Support Week Of Highest Demand

*These are suggested strategies and are not exclusive of other options.*

SOCCER:	
210' X 330' Synthetic, Lighted <sup>3</sup>	5 total to meet current demand <i>2 short term</i> <i>3 long term</i>
150' x 225' Grass with Lights	2 total to meet current demand <i>2 short term</i>
100' x 180' Grass	6 total to meet current demand <i>3 short term</i> <i>3 long term</i>
BASEBALL / SOFTBALL:	
60' x 180' Synthetic with Lights	1 required to meet current demand <i>1 short term on grass</i>
65' x 300' Grass with Lights	2 required to meet current demand <i>2 short term</i>

<sup>3</sup> Lighted grass fields are an option



## Athletic Field Requirements Study

Update 2011

# Project Assumptions

## Summary Page

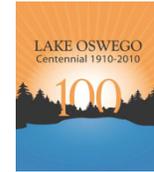
- The summary page identifies deficits and surpluses for various field dimensions. The following assumptions provide background information on how the study was developed.

## Participation Rates/Projections Page

- 2010 Population data obtained from the U.S. Census Bureau, [www.census.gov](http://www.census.gov). The Census Bureau reports ages in cohorts of five years (e.g. ages 5-9, 10-14, etc). Figures for these cohorts were divided evenly across the ages on this page.
- Population growth rates were taken from the *Lake Oswego Population Baseline Analysis*, completed in August of 2010. The average annual growth rate for the 18+ age group was manually derived from the projected population figures.

## Game/Practice Requirements Pages

- In keeping with the 2001 study, game and practice requirements for tournaments or elimination playoffs were not included because of the impossibility of precisely determining demand. Thus, the true level of demand on fields is somewhat higher than is projected in this study.
- Major soccer and lacrosse tournaments held within the City (i.e. Nike tournament) do not occur during the identified peak weeks and, at current levels, do not create sufficient demand to surpass the peak weeks.
- Summer camps offered through Parks & Recreation and Community Schools are not included in the 2011 study, as they do not occur during identified peak weeks to create sufficient demand to surpass peak weeks.
- Rainouts are incorporated in the analysis at a 15% rate for baseball/softball and 5% for soccer/football/lacrosse.
- Practice slots for soccer/lacrosse/football assume use by three (3) teams for the youngest ages, two (2) teams for the mid ages, and one (1) team for the oldest ages on a regulation field.
- Game slots for soccer/lacrosse/football assume use by three (3) teams for the youngest ages, two (2) teams for the mid ages, and one (1) team for the oldest ages on a regulation field.



## Athletic Field Requirements Study

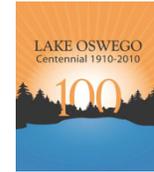
Update 2011

### Highest Demand Week Capacity Page

- Practice and game slots represent typical time lengths for practices or games on each size field. Slots relate to figures used in the 2001 study which include:
  - **Baseball/Softball** - Most fields are available during the week between 4:00pm - 9:00pm for the youngest ages, and 5:00pm - 10:00pm for all other ages. It also assumes the average practice or game slot to be 1.5-2.0 hours for the youngest ages, and 3.0 hours for the oldest ages.
  - **Soccer/Lacrosse/Football** - Most fields are available during the week between 4:00pm - 7:00pm for the youngest ages, and 4:00pm - 10:00pm for all others. It also assumes the average practice or game slot to be 1:00-2:00 hours for the youngest ages, and 3.0-4.0 hours for the oldest ages.
- Playing times end at 10:00pm on lighted fields, with the exception of Lakeridge High where a conditional use agreement requires lights to be turned off at 8:00pm. With respect to unlighted fields, ending times were chosen according to average sunset times for the various seasons.
- High school fields were presumed to be available for community use only on weekends, as is generally the current practice, with the exception of the field at Lakeridge High, which is available for community use on Sundays only.

### Field Availability & Reservation Process

- In 1988 the City of Lake Oswego and the Lake Oswego School District signed a Joint Use Agreement outlining the parameters for mutual use of each agency's athletic fields. In general, the agreement allows for the use of each agency's facilities by the other, when the owner of the facility is not using those facilities. In addition, a similar agreement exists between the City and the School District for the use of the newest multi-use artificial turf field at Lakeridge High School, funded by 2006 voter approved park bond monies. Therefore, these agreements allow for community use of School District athletic facilities when fields are not being used for School District sponsored activities.
- The City of Lake Oswego Parks & Recreation Department is responsible for managing the scheduling of all City and School District athletic fields, with the exception of the high school facilities.
- The following School District facilities are *not available* to schedule for community use because they are used predominantly for school activities.



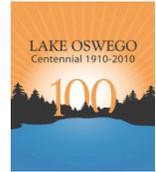
## Athletic Field Requirements Study

Update 2011

Lakeridge High School	Girls Varsity Softball Field Boys Varsity Baseball Field
Lake Oswego High School	Boys Varsity Baseball Field Soccer practice field
Lake Oswego Junior High	Girls Varsity Softball Field
Palisades Elementary School	JV Soccer Field ( <i>occasionally used for community soccer</i> )
<b>The following school facilities are generally not available for community use, except as noted below:</b>	
Lakeridge High School	Boys JV Baseball Field/ Pacer Junior Baseball Soccer practice field ( <i>this field can only be used 30% of the time, on average, due to unimproved condition</i> )

### Field Availability/Inventory Changes from 2001 to 2011

Of particular note is the modification in the inventory of available fields from 2001 to 2011 for baseball/softball and soccer/lacrosse/football use. These have resulted in a net decrease in baseball/softball fields, and a slight increase in available multi-use soccer fields. The reductions are a result of modifications made to existing field facilities, and changes in use over the past ten years.

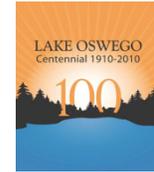


## Athletic Field Requirements Study

Update 2011

### Baseball/Softball Reductions:

Field Location	# Fields	Use Impacted	Explanation
Uplands Elementary	1	Softball/Little League	Field displaced by installation of new playground
Lakegrove Elementary	1	Softball/Little League	Field displaced by development of larger softball field
Lake Oswego Junior High	1	Softball/Little League	Field displaced by construction of LOHS Girl's Varsity Softball Field
Forest Hills Elementary	1	Softball/Little League	Size of area too small for safe play
Palisades Elementary	2	Softball/Little League	Field displaced by development of JV soccer field
Rivergrove Elementary	1	Softball/Little League	Size of area too small for safe play
Lake Oswego High School	1	Baseball/Little League	Not available for community use – erroneously included in 2001 inventory
<b>Total Reductions = 8</b>			



## Athletic Field Requirements Study

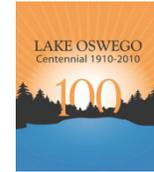
Update 2011

### Soccer/Lacrosse/Football Reductions:

Field location	# Fields	Use Impacted	Explanation
Uplands Elementary	1	Soccer, Lacrosse	Field displaced by installation of new playground
Palisades Elementary	1	Soccer, Lacrosse, Football	Field displaced by development of 1 JV soccer field. Used to be 2 fields at this location
Lake Oswego Junior High	1	Soccer, Lacrosse,	Field displaced by construction of LOHS Girl's Varsity Softball Field
Bryant Elementary	1	Soccer, Lacrosse, Football	Used to be 2 smaller fields, are now using 1 large area to accommodate older ages
<b>Total Reductions = 4</b>			

### Soccer/Lacrosse/Football Additions:

Field location	# Fields	Use Impacted	Explanation
Lakeridge High	1	Soccer, Lacrosse, Football	New 210' x 330' synthetic turf field added (limited to use on Sundays only)
Hazelia Field at Luscher Farm	1	Soccer, Lacrosse, Football	New 210' x 330' synthetic turf field added
Rivergrove Elementary	1	Soccer, Lacrosse	Began using larger grassy area adjacent to current multi-use soccer field for practices for youth (youngest ages)
Lakeridge Soccer Practice Area	1	Soccer, Lacrosse	Undersized area used for limited practice and games
<b>Total Additions = 3</b>			



## Athletic Field Requirements Study

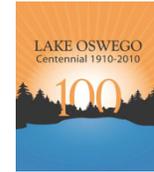
Update 2011

### General

- “2001 Study” refers to the Athletic Field Requirements Study completed in June 2001.
- For the purposes of this study, grades and ages relate as follows:

Grade	Age
<b>K</b>	<b>6</b>
<b>1</b>	<b>7</b>
<b>2</b>	<b>8</b>
<b>3</b>	<b>9</b>
<b>4</b>	<b>10</b>
<b>5</b>	<b>11</b>
<b>6</b>	<b>12</b>
<b>7</b>	<b>13</b>
<b>8</b>	<b>14</b>
<b>9</b>	<b>15</b>
<b>10</b>	<b>16</b>
<b>11</b>	<b>17</b>
<b>12</b>	<b>18</b>

- Parking constraints at various facilities requires game schedules to be spread out to resolve parking turnover directly affecting the capacity of the field (i.e. Forest Hills Elementary School), resulting in limitations on field use.
- Weekday practices are currently scheduled until late in the evening (10 pm) to maximize field availability. These hours are too late for youth sports leagues, resulting in unmet demand. The 2001 study and the updated study both assume practices and games for younger players end at 9 p.m. on weekdays and 8:30 p.m. on weekends.
- Wear-and-tear on grass facilities is a factor affecting availability. Fields are reconfigured for different uses and rotated periodically by parks maintenance staff to meet demand (fluid); and to manage playability and safety during the season.
- There currently is no margin for error to accommodate schedule changes due to weather, malfunctioning equipment (lights), and unforeseen circumstances. Slot schedule is so tight that reservation staff cannot find opportunities to reschedule cancelled games.



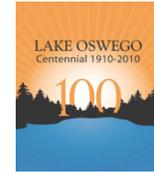
## Athletic Field Requirements Study

Update 2011

- The concept of "multi-purpose" fields is difficult to maintain with overlapping sport seasons. The overlapping of grass soccer fields on softball fields is an issue for playability during the spring baseball season. In determining which sport receives priority in overlapping fields, priority is given to the prime season sport. Dedicated fields are not multi-purpose due to weather and shorter seasons.
- Priority for field use is for youth practice and games. Adult leagues are currently not assigned field practice space as the available slots are filled to capacity with youth usage.
- Adult Sports:
  - Games slots are only available for the following adult sports:
    - **Adult Softball:** Once the season starts there are no practice slots assigned to adult teams due to lack of availability - only game slots as the season overlaps with youth baseball/softball.
    - **Adult Coed Soccer:** Only game slots are available.
  - The following Adult Sports cannot be accommodated on existing fields.
    - Adult Lacrosse
    - Adult Football
- All grass fields are closed from November 15 – March 15 due to weather and the need to protect turf from damage due to overuse. Weather may delay the opening season date as it did in spring 2011 with a two-week delay. This delay adversely impacted softball and baseball programs, as there were no slots available for make-up games.

### Field Dimensions

Within this report there are multiple field dimensions for Soccer/Lacrosse/Football and Softball/Baseball. Each site's field dimension represents the maximum field size for that location in feet, in many instances these fields will often accommodate a smaller size field requirement. Soccer fields are represented as 210X330, 150X225 and 100X180. The first number represents the width of the field in feet and the second represents length of field in feet. Baseball/Softball field sizes are represented such as 90X330, the first number represents the number of feet between each base (base path) and the second number represents the length of the field from home base to edge of the outfield/warning track. To better understand field size requirements by player age and per league, refer to the following chart.



## Athletic Field Requirements Study

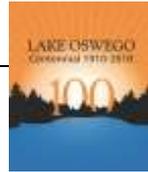
Update 2011

### Baseball & Softball

Field Sizes	Ages and Leagues Associated
60 x150, 170, 180	Ages 6 and under (T-ball)
60 x 200	Ages 5 – 12 (T- Ball, Little League Baseball, Little League Softball, Junior Baseball)
60-65 x 300	Ages 7 + (Little League Baseball, Little League Softball, Junior Baseball, ASA Softball, High School softball, Adult Softball)
80-90 x 300	Ages 9 + (Junior Baseball, High School Baseball, Adult Baseball)

### Soccer / Lacrosse / Football

Field Sizes	Ages and Leagues Associated
100 x 180	Ages 5 - 8 (Youth Soccer)
150 x 225	Ages 5 - 12 (Youth Soccer/Lacrosse, Flag Football, High School Soccer,)
210 x 330	Ages 5 + (Youth Soccer/Lacrosse/Football, Flag Football, High School Soccer/Lacrosse/Football, Adult Soccer)

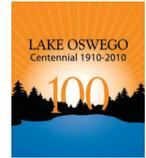


---

## **Athletic Field Requirements Study**

Update 2011

# DATA SHEETS

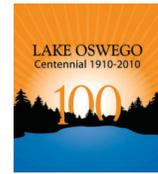


# Athletic Field Summary Requirements

Existing Population and Teams

	Field size requirement	Field surface	Peak capacity practice and game slots per field	Number of existing fields	Existing field capacity	Field requirement for games and practices	Net difference	
<b>June Highest Demand Week</b>								
<b>Baseball/Softball</b>								
Slots practice or game	60 x 150	grass	31	1	31	0	0	
	<b>SUBTOTAL</b>			<b>1</b>	<b>31</b>	<b>0</b>	<b>31</b>	
	60 x 170	grass	31	1	31	0	0	
		grass w/lights	34	1	34	0	0	
		<b>SUBTOTAL</b>		<b>2</b>	<b>65</b>	<b>0</b>	<b>65</b>	
	60 x 180	synth w/lights *	34	1	34	31	(31)	
		<b>SUBTOTAL</b>		<b>1</b>	<b>34</b>	<b>31</b>	<b>(31)</b>	
	60 x 200	grass	22	4	88	160		
		grass w/lights	29	4	116	0		
		<b>SUBTOTAL</b>		<b>8</b>	<b>204</b>	<b>160</b>	<b>44</b>	
	65/70 x 270	grass w/lights	29	1	29	0		
		<b>SUBTOTAL</b>		<b>1</b>	<b>29</b>	<b>0</b>	<b>29</b>	
	65 x 300	grass	22	1	22	120		
		grass w/lights	29	2	58	0	58	
		<b>SUBTOTAL</b>		<b>3</b>	<b>80</b>	<b>120</b>	<b>(40)</b>	
80/90 x 300/330	grass w/lights	18	3	54	45			
	<b>SUBTOTAL</b>		<b>3</b>	<b>54</b>	<b>45</b>	<b>9</b>		
<b>TOTAL</b>				<b>19</b>	<b>497</b>	<b>356</b>	<b>107</b>	
Total, 2001 Study				27	664	421	243	
Net Change, 2001-2011				(8)	(167)	(65)	(136)	
<b>October Highest Demand Week</b>								
<b>Soccer/Lacrosse/Football</b>								
Slots practice and games	100 x 180	grass	29	1	29	211	(182)	
		<b>SUBTOTAL</b>		<b>1</b>	<b>29</b>	<b>211</b>	<b>(182)</b>	
	150 x 225	grass (practice only)	10	2	20	0	20	
		grass	20	4	80	199	(119)	
		grass w/lights	29	1	29	0	0	
	<b>SUBTOTAL</b>		<b>7</b>	<b>129</b>	<b>199</b>	<b>(70)</b>		
	210 x 330	grass	13	5	65	311	(246)	
		grass w/lights	25	3	75	0	75	
		synth w/lights	25	1	25	0	25	
	Lake Oswego High	synth w/lights	4	1	4	0	4	
	Lakeridge High	grass w/lights	8	2	16	0	16	
	<b>SUBTOTAL</b>		<b>12</b>	<b>185</b>	<b>311</b>	<b>(126)</b>		
	<b>TOTAL</b>				<b>20</b>	<b>343</b>	<b>721</b>	<b>(378)</b>
	Total, 2001 Study				21	433	428	5
	Net Change, 2001-2011				(1)	(90)	293	(383)

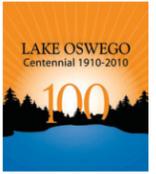
() = represent a negative number  
 \* = slots not available for practice or game play



# Organizational Profile

	Age	Sex	Percent female	Total players in league	Players from city	City percent	Percent of City Participation
<b>LO Little League - Baseball</b>	7-12	boys	n/a	408	400	98%	19%
<b>LO Little League - Softball</b>	7-12	girls	n/a	72	71	98%	3%
<b>LO Little League - T-ball</b>	6	coed	33%	120	118	98%	6%
<b>Lake Oswego ASA Softball</b>	7-14	girls	n/a	198	184	93%	9%
<b>Lake Oswego Jr. Baseball</b>	13-14	boys	n/a	72	72	100%	3%
<b>Pacer Jr. Baseball - K-2</b>	6-8	coed	33%	180	180	100%	8%
<b>Pacer Jr. Baseball</b>	9-14	boys	n/a	324	324	100%	15%
<b>Adult Coed Softball</b>	18+	coed	44%	507	319	63%	15%
<b>Adult Men's Softball</b>	18+	men	n/a	518	311	60%	15%
<b>Lake Oswego HS Baseball</b>	15-18	boys	n/a	55	55	100%	3%
<b>Lakeridge HS Baseball</b>	15-18	boys	n/a	49	49	100%	2%
<b>Lake Oswego HS Softball</b>	15-18	girls	100%	12	12	100%	1%
<b>Lakeridge HS Softball</b>	15-18	girls	100%	28	28	100%	1%
<b>TOTAL SOFTBALL/BASEBALL</b>				<b>2,543</b>	<b>2,123</b>		
Total, 2001 Study				3,398	2,992		
Net Change, 2001-2011				(855)	(869)		

() = represent a negative number



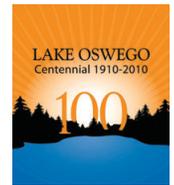
# Participation Rates/Projections

Players from City (Includes players in more than one league)

City Population (2010 U.S. Census)																	28,353	36,619	
Age	Under 5	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Over 18	Total Resident Participants	Percent from City	Total Participants
LO Little League - T-ball	6		118														118	98%	120
LO Little League - Baseball - American	11-12							41	41								82	98%	84
LO Little League - Baseball - National	9-10					41	41										82	98%	84
LO Little League - Baseball - Pacific	8				94												94	98%	96
LO Little League - Baseball - Intl	7			94													94	98%	96
LO Little League - Softball - M	11-12							12	12								24	98%	24
LO Little League - Softball - AAA	9-10					6	6										12	98%	12
LO Little League - Softball - AA	8-9				12	12											24	98%	24
LO Little League - Softball - A	7-8			6	6												12	98%	12
LO Little League - Fall	9-12					11	12	12	12								47	98%	48
Pacer Jr. Baseball - K-2	6-8		60	60	60												180	100%	180
Pacer Jr. Baseball - M	9-10					48	48										96	100%	96
<b>SUBTOTAL</b>		<b>0</b>	<b>0</b>	<b>178</b>	<b>160</b>	<b>172</b>	<b>118</b>	<b>107</b>	<b>65</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>865</b>		<b>876</b>
Lake Oswego ASA Softball - Spring	7-14			15	15	15	15	15	16	16	16						123	93%	132
Lake Oswego ASA Softball - Fall	9-14					10	10	10	10	10	11						61	93%	66
Lake Oswego HS Softball	15-18											3	3	3	3		12	100%	12
Lakeridge HS Softball	15-18											7	7	7	7		28	100%	28
Adult Coed Softball	18+															319	319	63%	507
Adult Men's Softball	18+															311	311	60%	518
<b>SUBTOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>15</b>	<b>25</b>	<b>25</b>	<b>25</b>	<b>26</b>	<b>26</b>	<b>27</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>630</b>		<b>854</b>
Pacer Jr. Baseball - Junior	11-12							36	36								72	100%	72
Pacer Jr. Baseball - Senior - A/N	13-14									18	18						36	100%	36
Pacer Jr. Baseball - Senior - Fed.	13-14									6	6						12	100%	12
Pacer Jr. Baseball - Fall	9-14					18	18	18	18	18	18						108	100%	108
Lakeridge Baseball	15-18											12	10	10	17		49	100%	49
Lake Oswego Jr. Baseball - A/N	13-14									18	18						36	100%	36
Lake Oswego Jr. Baseball - F	13-14									6	6						12	100%	12
Lake Oswego Jr. Baseball - Fall	13-14									12	12						24	100%	24
Lake Oswego HS Baseball - Fresh.	15-18											18					18	100%	18
Lake Oswego HS Baseball	15-18												10	10	17		37	100%	37
<b>SUBTOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>18</b>	<b>54</b>	<b>54</b>	<b>78</b>	<b>78</b>	<b>30</b>	<b>20</b>	<b>20</b>	<b>34</b>	<b>404</b>		<b>404</b>
<b>TOTAL BASEBALL/SOFTBALL</b>		<b>0</b>	<b>0</b>	<b>178</b>	<b>175</b>	<b>187</b>	<b>161</b>	<b>150</b>	<b>144</b>	<b>145</b>	<b>104</b>	<b>105</b>	<b>40</b>	<b>30</b>	<b>30</b>	<b>44</b>	<b>630</b>		<b>2123</b>
Player Projections in 2025 **		0	0	166	163	174	150	138	132	133	96	97	40	30	30	44	674		2067
Net Change, 2011-2025		0	0	(12)	(12)	(13)	(11)	(12)	(12)	(12)	(8)	(8)	0	0	0	0	44		(56)

() = represent a negative number

\*\*Projections based on participant to population ratio using 2010 Estimated USB & 2025 Forecast USB data.



# Game Requirements

	Grade	Sex	Base path	Outfield	Surface	Players/team	Number of teams	Total # of players	# of games/team not including tournaments in season	Weeks in season schedule	Equals # of game requirements per week per team	Total # of games for all teams all weeks	Percent home games played in:	Total # of home games all teams all weeks	Percent rain-out	Required game slots all teams :	Game slots/week	Season
LO Little League - T-ball	K	coed	60	180	grs	12	10	120	22	10	2.2	220	50%	110	10%	121	12	3 Apr - 5 Jun
LO Little League - Baseball - American	5-6	boys	60	200	grs	12	7	84	17	10	1.7	120	50%	60	10%	66	7	3 Apr - 5 Jun
LO Little League - Baseball - National	3-4	boys	60	200	grs	12	7	84	17	10	1.7	120	50%	60	10%	66	7	3 Apr - 5 Jun
LO Little League - Baseball - Pacific	2	boys	60	200	grs	12	8	96	18	10	1.8	140	50%	70	10%	77	8	3 Apr - 5 Jun
LO Little League - Baseball - Intl	1	boys	60	200	grs	12	8	96	18	10	1.8	140	50%	70	10%	77	8	3 Apr - 5 Jun
LO Little League - Softball - M	5-6	girls	60	200	grs	12	2	24	20	10	2.0	40	50%	20	10%	22	2	3 Apr - 5 Jun
LO Little League - Softball - AAA	3-4	girls	60	200	grs	12	1	12	20	10	2.0	20	50%	10	10%	11	1	3 Apr - 5 Jun
LO Little League - Softball - AA	2-3	girls	60	200	grs	12	2	24	10	10	1.0	20	50%	10	10%	11	1	3 Apr - 5 Jun
LO Little League - Softball - A	1-2	girls	60	200	grs	12	1	12	20	10	2.0	20	50%	10	10%	11	1	3 Apr - 5 Jun
LO Little League - Fall	3-6	boys	60	200	grs	12	4	48	16	8	2.0	64	50%	32	10%	35	4	4 Sep - 23 Oct
Pacer Jr. Baseball - K-2	K-2	coed	60	200	grs	12	15	180	23	10	2.3	339	50%	170	10%	186	19	1 May - 3 Jul
Pacer Jr. Baseball - M	3-4	boys	60	200	grs	12	8	96	23	10	2.3	180	50%	90	10%	99	10	1 May - 3 Jul
Lake Oswego ASA Softball - Spring	1-8	girls	65	300	grs	11	12	132	20	13	1.5	234	50%	117	10%	129	10	3 Apr-26 Jun
Lake Oswego ASA Softball - Fall***	3-8	girls	65	300	grs	11	6	66	n/a	n/a	n/a	n/a	50%	n/a	10%	n/a	n/a	4 Sep - 9 Oct
Lake Oswego HS Softball	9-12	girls	65	300	grs	12	1	12	20	13	1.5	40	50%	20	10%	22	2	13 Mar - 15 May
Lakeridge HS Softball	9-12	girls	65	300	grs	14	2	28	n/a	n/a	n/a	n/a	n/a	n/a	10%	n/a	n/a	6 Mar - 8 May
Adult Coed Softball	>18	coed	65	300	grs	23	22	507	9	8	1.1	191	50%	96	10%	105	13	5 Jun - 24 Jul
Adult Men's Softball	>18	men	65	300	grs	21	25	518	18	8	2.2	448	50%	224	10%	246	31	5 Jun - 24 Jul
Pacer Jr. Baseball - Junior	5-6	boys	80	300	grs	12	6	72	27	10	2.7	160	50%	80	10%	88	9	1 May - 3 Jul
Pacer Jr. Baseball - Senior - A/N	7-8	boys	80	300	grs	12	3	36	27	10	2.7	80	50%	40	10%	44	4	1 May - 3 Jul
Pacer Jr. Baseball - Senior - Fed.	7-8	boys	90	300	grs	12	1	12	20	10	2.0	20	50%	10	10%	11	1	1 May - 3 Jul
Pacer Jr. Baseball - Fall	3-8	boys	90	300	grs	12	9	108	11	10	1.1	100	50%	50	10%	55	5	28 Aug - 30 Oct
Lakeridge Baseball *	9-12	boys	90	300	grs	12	4	49	n/a	n/a	n/a	n/a	50%	n/a	10%	n/a	n/a	13 Mar - 15 May
Lake Oswego Jr. Baseball - A/N	7-8	boys	90	300	grs	12	3	36	20	20	1.0	60	50%	30	10%	33	2	1 May - 3 Jul
Lake Oswego Jr. Baseball - F	7-8	boys	90	300	grs	12	1	12	20	20	1.0	20	50%	10	10%	11	1	1 May - 3 Jul
Lake Oswego Jr. Baseball - Fall	7-8	boys	90	300	grs	12	2	24	n/a	21	n/a	n/a	50%	n/a	n/a	n/a	n/a	28 Aug - 30 Oct
Lake Oswego HS Baseball - Fresh. **	9-12	boys	90	300	grs	18	1	18	40	22	1.8	40	50%	20	10%	22	1	13 Mar - 15 May
Lake Oswego HS Baseball *	9-12	boys	90	300	syn	13	3	37	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	13 Mar - 15 May
<b>TOTAL BASEBALL/SOFTBALL</b>								<b>174</b>	<b>2,543</b>			<b>2,816</b>		<b>1,409</b>				<b>1,549</b>
Total, 2001 Study								243	3,398			5,411		2,547				2,845
Net Change, 2001-2011								(69)	(855)			(2,595)		(1,138)				(1,296)

() = represent a negative number

\* - Lakeridge baseball uses own fields for practice and games for Freshmen, JV and Varsity practice/games, Lake Oswego HS uses own field for JV and Varsity practice/games

\*\* - Lake Oswego HS Freshman Baseball uses East Waluga Park for practice and games.

\*\*\* - ASA Fall Softball Utilizes Varsity field at Lake Oswego Junior High.

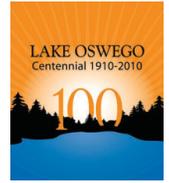


# Game Requirements

## Back Up Data

		Year 2011																																				Highest Demand																					
Season		Jan	1	2	3	Feb	1	2	2	Mar	1	2	2	Apr	1	1	2	May	1	2	2	Jun	1	1	2	Jul	1	1	2	3	Aug	1	2	2	Sep	1	1		2	Oct	1	2	3	Nov	1	2	2	Dec	1	1	2	Total							
LO Little League - T-ball	3 Apr - 5 Jun													11	11	11	11	11	11	11	11	11	11	11	11	5																																	110
LO Little League - Baseball - American	3 Apr - 5 Jun													6	6	6	6	6	6	6	6	6	6	6	6	6																													60				
LO Little League - Baseball - National	3 Apr - 5 Jun													6	6	6	6	6	6	6	6	6																													60								
LO Little League - Baseball - Pacific	3 Apr - 5 Jun													7	7	7	7	7	7	7	7	7																													70								
LO Little League - Baseball - Intl	3 Apr - 5 Jun													7	7	7	7	7	7	7	7	7																													70								
LO Little League - Softball - M	3 Apr - 5 Jun													2	2	2	2	2	2	2	2	2																													20								
LO Little League - Softball - AAA	3 Apr - 5 Jun													1	1	1	1	1	1	1	1	1																													10								
LO Little League - Softball - AA	3 Apr - 5 Jun													1	1	1	1	1	1	1	1	1																													10								
LO Little League - Softball - A	3 Apr - 5 Jun													1	1	1	1	1	1	1	1	1																													10								
LO Little League - Fall	4 Sep - 23 Oct																																		4	4	4	4	4	4	4	4					32												
Pacer Jr. Baseball - K-2	1 May - 3 Jul																	17	17	17	17	17	17	17	17	17	17	17	17	17																					170								
Pacer Jr. Baseball - M	1 May - 3 Jul																	9	9	9	9	9	9	9	9	9	9	9	9	9																					90								
Lake Oswego ASA Softball - Spring	3 Apr-26 Jun													9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9																						117								
Lake Oswego ASA Softball - Fall	4 Sep - 9 Oct																																		n/a	n/a	n/a	n/a	n/a								0												
Lake Oswego HS Softball	13 Mar - 15 May													2	2	2	2	2	2	2	2	2	2	2	2																										20								
Lakeridge HS Softball *	6 Mar - 8 May									n/a																										0																							
Adult Coed Softball	5 Jun - 24 Jul																					12	12	12	12	12	12	12	12																						96								
Adult Men's Softball	5 Jun - 24 Jul																					28	28	28	28	28	28	28	28																		224												
Pacer Jr. Baseball - Junior	1 May - 3 Jul																	8	8	8	8	8	8	8	8	8	8	8	8																						80								
Pacer Jr. Baseball - Senior - A/N	1 May - 3 Jul																	4	4	4	4	4	4	4	4	4	4	4	4																						40								
Pacer Jr. Baseball - Senior - Fed.	1 May - 3 Jul																	1	1	1	1	1	1	1	1	1	1	1	1																						10								
Pacer Jr. Baseball - Fall	28 Aug - 30 Oct																														5	5	5	5	5	5	5	5	5	5	5	5					50												
Lakeridge Baseball *	13 Mar - 15 May									n/a																										0																							
Lake Oswego Jr. Baseball - A/N	1 May - 3 Jul																	3	3	3	3	3	3	3	3	3	3	3	3																						30								
Lake Oswego Jr. Baseball - F	1 May - 3 Jul																	1	1	1	1	1	1	1	1	1	1	1	1																						10								
Lake Oswego Jr. Baseball - Fall	1 May - 3 Jul																	n/a																		0																							
Lake Oswego HS Baseball - Fresh. **	13 Mar - 15 May													2	2	2	2	2	2	2	2	2	2	2	2																										20								
Lake Oswego HS Baseball *	13 Mar - 15 May									n/a																										0																							
<b>TOTAL BASEBALL/SOFTBALL</b>		0	0	0	0	0	0	0	0	0	4	4	4	55	55	55	55	98	98	98	94	94	134	92	92	92	83	40	40	40	0	0	0	0	5	9	9	9	9	9	9	9	5	0	0	0	0	0	0	0	1409								

\* - Lakeridge and Lake Oswego High School teams use their own fields for practice and games for Freshmen, JV and Varsity baseball/softball programs.  
 \*\* - Lake Oswego HS Freshman Baseball uses East Waluga Park for practice and games.



# Practice Requirements By Size

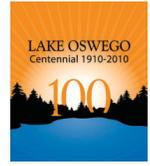
	Grade	Sex	Base path	Outfield	Surface	Players/team	Number of teams	Total players	Number pre-season weeks	Number of practices/week/team	Number of pre-season practices/team all weeks	Total practice slots/preseason week all teams	Total practices / pre-season week all teams	Season weeks	Number of practices/week/team	Number of season practices/per team/all weeks	Total practices/season week all teams	Season dates	Total practice Slots/pre-season and regular season all teams
LO Little League - T-ball	K	coed	60	180	grs	12	10	120	3	2	6	60	13 Mar - 27 Mar	10	2	20	200	3 Apr - 5 Jun	260
LO Little League - Baseball - American	5-6	boys	60	200	grs	12	7	84	3	2	6	42	13 Mar - 27 Mar	10	2	20	140	3 Apr - 5 Jun	182
LO Little League - Baseball - National	3-4	boys	60	200	grs	12	7	84	3	2	6	42	13 Mar - 27 Mar	10	2	20	140	3 Apr - 5 Jun	182
LO Little League - Baseball - Pacific	2	boys	60	200	grs	12	8	96	3	2	6	48	13 Mar - 27 Mar	10	2	20	160	3 Apr - 5 Jun	208
LO Little League - Baseball - Intl	1	boys	60	200	grs	12	8	96	3	2	6	48	13 Mar - 27 Mar	10	2	20	160	3 Apr - 5 Jun	208
LO Little League - Softball - M	5-6	girls	60	200	grs	12	2	24	3	2	6	12	13 Mar - 27 Mar	10	2	20	40	3 Apr - 5 Jun	52
LO Little League - Softball - AAA	3-4	girls	60	200	grs	12	1	12	3	2	6	6	13 Mar - 27 Mar	10	2	20	20	3 Apr - 5 Jun	26
LO Little League - Softball - AA	2-3	girls	60	200	grs	12	2	24	3	2	6	12	13 Mar - 27 Mar	10	2	20	40	3 Apr - 5 Jun	52
LO Little League - Softball - A	1-2	girls	60	200	grs	12	1	12	3	2	6	6	13 Mar - 27 Mar	10	2	20	20	3 Apr - 5 Jun	26
LO Little League - Fall	3-6	boys	60	200	grs	12	4	48	n/a	n/a	n/a	n/a	n/a	8	1	8	32	4 Sep - 23 Oct	32
Pacer Jr. Baseball - K-2	K-2	coed	60	200	grs	12	15	180	5	3	15	225	27 Mar - 30 Apr	10	1	10	150	1 May - 3 Jul	375
Pacer Jr. Baseball - M	3-4	boys	60	200	grs	12	8	96	5	4	20	160	27 Mar - 30 Apr	10	2	20	160	1 May - 3 Jul	320
Lake Oswego ASA Softball - Spring	1-8	girls	65	300	grs	11	12	132	3	2	6	72	20 Mar - 2 Apr	12	2	24	288	3 Apr - 25 Jun	360
Lake Oswego ASA Softball - Fall	3-8	girls	65	300	grs	11	6	66	2	2	4	24	21 Aug - 3 Sep	6	2	12	72	4 Sep - 15 Oct	96
Lake Oswego HS Softball	9-12	girls	65	300	grs	12	1	12	2	5	10	10	27 Feb - 12 Mar	10	2	20	20	13 Mar - 21 May	30
Lakeridge HS Softball *	9-12	girls	65	300	grs	14	2	28	2	2	4	8	20 Feb - 5 Mar	10	2	20	40	6 Mar - 14 May	48
Adult Coed Softball	18+	coed	65	300	grs	23	22	507	3	1	3	66	15 May - 4 June	10	1	10	220	5 Jun - 13 Aug	286
Adult Men's Softball	18+	men	65	300	grs	21	25	518	3	1	3	75	16 May - 4 June	10	1	10	250	5 Jun - 13 Aug	325
Pacer Jr. Baseball - Junior	5-6	boys	80	300	grs	12	6	72	5	4	20	120	27 Mar - 30 Apr	10	2	20	120	1 May - 9 Jul	240
Pacer Jr. Baseball - Senior - A/N	7-8	boys	80	300	grs	12	3	36	5	4	20	60	27 Mar - 30 Apr	10	2	20	60	1 May - 9 Jul	120
Pacer Jr. Baseball - Senior - Fed.	7-8	boys	90	300	grs	12	1	12	5	4	20	20	27 Mar - 30 Apr	10	2	20	20	1 May - 9 Jul	40
Pacer Jr. Baseball - Fall	3-8	boys	90	300	grs	12	9	108	0	1	0	0	n/a	10	1	10	90	28 Aug - 5 Nov	90
Lakeridge HS Baseball *	9-12	boys	90	300	syn	12	4	49	n/a	n/a	n/a	n/a	27 Feb - 12 Mar	10	n/a	n/a	n/a	13 Mar - 21 May	n/a
Lake Oswego Jr. Baseball - A/N	7-8	boys	90	300	grs	12	3	36	5	2	10	30	27 Mar - 30 Apr	10	2	20	60	1 May - 9 Jul	90
Lake Oswego Jr. Baseball - F	7-8	boys	90	300	grs	12	1	12	5	2	10	10	27 Mar - 30 Apr	10	2	20	20	1 May - 9 Jul	30
Lake Oswego Jr. Baseball - Fall	7-8	boys	90	300	grs	12	2	24	n/a	n/a	n/a	n/a	n/a	10	1	10	20	28 Aug - 5 Nov	20
Lake Oswego HS Baseball - Freshmen **	9-12	boys	90	300	grs	18	1	18	2	5	10	10	27 Feb - 12 Mar	10	3	30	30	13 Mar - 21 May	40
Lake Oswego HS Baseball *	9-12	boys	90	300	syn	13	3	37	n/a	n/a	n/a	n/a	27 Feb - 12 Mar	n/a	n/a	n/a	n/a	13 Mar - 21 May	n/a
<b>TOTAL BASEBALL/SOFTBALL</b>							<b>174</b>	<b>2543</b>	<b>58</b>	<b>209</b>	<b>1166</b>			<b>45</b>	<b>464</b>	<b>2572</b>		<b>3738</b>	
Total, 2001 Study							243	3398	115	261	1449			64	777	5374		6823	
Net Change, 2001-2011							(69)	(855)	(57)	(52)	(283)			(19)	(313)	(2802)			

() = represent a negative number

\* - Lakeridge and Lake Oswego High School teams use their own fields for practice and games for Freshmen, JV and Varsity baseball/softball programs.

\*\* - Lake Oswego HS Freshman Baseball uses East Waluga Park for practice and games.





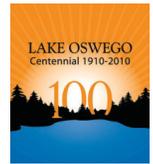
# Highest Demand Field Capacities

## Scenario 1 - weekday practices & weekend games

1st week June

		Lights	Infield dimensions	Outfield dimensions	Surface materials (grass/synth)	Monday-Friday practices only					Saturday games				Sunday games				Peak week capacity	
						Starting time (PM)	Ending time (PM)	Practice slot	Number practices per week	Number of games per week	Starting time (AM)	Ending time (PM)	Game slot	Number of games	Starting time (AM)	Ending time (PM)	Game slot	Number of games	Practice	Games
Forest Hills ES	LOSD	no	60	170	grass	4:00	8:30	1.5	15	0	8:00	8:00	1.5	8	8:00	8:00	1.5	8	15	16
Uplands ES	LOSD	no	60	150	grass	4:00	8:30	1.5	15	0	8:00	8:00	1.5	8	8:00	8:00	1.5	8	15	16
<b>SUBTOTAL</b>						<b>30 0</b>					<b>16</b>				<b>16 30 32</b>					
George Rogers Park #2	Parks	yes	60	170	grass	4:00	10:00	1.5	20	0	8:00	10:00	1.5	7	8:00	10:00	2.0	7	20	14
Hazelia Field	Parks	yes	60	180	synth	4:00	10:00	1.5	20	0	8:00	10:00	1.5	7	8:00	10:00	2.0	7	20	14
<b>SUBTOTAL</b>						<b>40 0</b>					<b>14</b>				<b>14 40 28</b>					
Bryant ES #2	LOSD	no	60	200	grass	5:00	9:00	2.0	10	0	8:00	8:00	2.0	6	8:00	8:00	2.0	6	10	12
Hallinan ES	LOSD	no	60	200	grass	5:00	9:00	2.0	10	0	8:00	8:00	2.0	6	8:00	8:00	2.0	6	10	12
Lake Grove ES	LOSD	no	60	200	grass	5:00	9:00	2.0	10	0	8:00	8:00	2.0	6	8:00	8:00	2.0	6	10	12
Westridge ES	LOSD	no	60	200	grass	5:00	9:00	2.0	10	0	8:00	8:00	2.0	6	8:00	8:00	2.0	6	10	12
<b>SUBTOTAL</b>						<b>40 0</b>					<b>24</b>				<b>24 40 48</b>					
East Waluga Park #1	Parks	yes	60	200	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.0	7	8:00	10:00	2.0	7	15	14
Westlake Park #1	Parks	yes	60	200	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.0	7	8:00	10:00	2.0	7	15	14
Waluga JH #2	LOSD	yes	60	200	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.0	7	8:00	10:00	2.0	7	15	14
Waluga JH #3	LOSD	yes	60	200	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.0	7	8:00	10:00	2.0	7	15	14
<b>SUBTOTAL</b>						<b>60 0</b>					<b>28</b>				<b>28 60 56</b>					
George Rogers Park #1	Parks	yes	65/70	270	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.0	7	8:00	10:00	2.0	7	15	14
<b>SUBTOTAL</b>						<b>15 0</b>					<b>7</b>				<b>7 15 14</b>					
Bryant ES #1	LOSD	no	65	300	grass	5:00	9:00	2.0	10	0	8:00	8:00	2.0	6	8:00	8:00	2.0	6	10	12
<b>SUBTOTAL</b>						<b>10 0</b>					<b>6</b>				<b>6 10 12</b>					
Lake Oswego JH	LOSD	yes	65	300	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.0	7	8:00	10:00	2.0	7	15	14
Westlake Park #3	Parks	yes	65	300	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.0	7	8:00	10:00	2.0	7	15	14
<b>SUBTOTAL</b>						<b>30 0</b>					<b>14</b>				<b>14 30 28</b>					
East Waluga Park #2	Parks	yes	90	330	grass	4:00	10:00	3.0	10	0	8:00	10:00	3.0	4	8:00	10:00	3.0	4	10	8
Waluga JH #1	LOSD	yes	90	300	grass	4:00	10:00	3.0	10	0	8:00	10:00	3.0	4	8:00	10:00	3.0	4	10	8
Westlake Park #2	Parks	yes	90	330	grass	4:00	10:00	3.0	10	0	8:00	10:00	3.0	4	8:00	10:00	3.0	4	10	8
<b>SUBTOTAL</b>						<b>30 0</b>					<b>12</b>				<b>12 30 24</b>					
Lake Oswego HS	LOSD	yes	90	300	grass	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lakeridge HS #1	LOSD	yes	90	300	grass	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lakeridge HS #2	LOSD	yes	90	300	grass	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>TOTAL</b>						<b>255 0</b>					<b>121</b>				<b>121 255 242</b>					

TOTAL CAPACITY (Games and Practices)



# Highest Demand Field Capacities

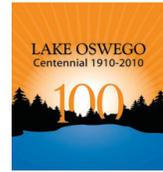
## Scenario 2 - weekday practices/games & weekend games

1st week June

	Lights	Infield dimensions		Outfield dimensions	Surface materials (grass/synth)	Monday-Friday practices and games					Saturday games				Sunday games				Peak week capacity	
						Starting time (PM)	Ending time (PM)	Practice slot	Number practices per week	Number of games per week	Starting time (AM)	Ending time (PM)	Game slot	Number of games	Starting time (AM)	Ending time (PM)	Game slot	Number of games	Practice	Games
Forest Hills ES	LOSD	no	60	170	grass	4:00	8:30	1.5	10	5	8:00	8:00	1.5	8	8:00	8:00	1.5	8	10	21
Uplands ES	LOSD	no	60	150	grass	4:00	8:30	1.5	10	5	8:00	8:00	1.5	8	8:00	8:00	1.5	8	10	21
<b>SUBTOTAL</b>									<b>20</b>	<b>10</b>				<b>16</b>				<b>16</b>	<b>20</b>	<b>42</b>
George Rogers Park #2	Parks	yes	60	170	grass	4:00	10:00	1.5	10	10	8:00	10:00	1.5	7	8:00	10:00	2.0	7	10	24
Hazelia Field	Parks	yes	60	180	synth	4:00	10:00	1.5	10	10	8:00	10:00	1.5	7	8:00	10:00	2.0	7	10	24
<b>SUBTOTAL</b>									<b>20</b>	<b>20</b>				<b>14</b>				<b>14</b>	<b>20</b>	<b>48</b>
Bryant ES #2	LOSD	no	60	200	grass	5:00	9:00	2.0	5	5	8:00	8:00	2.0	6	8:00	8:00	2.0	6	5	17
Hallinan ES	LOSD	no	60	200	grass	5:00	9:00	2.0	5	5	8:00	8:00	2.0	6	8:00	8:00	2.0	6	5	17
Lake Grove ES	LOSD	no	60	200	grass	5:00	9:00	2.0	5	5	8:00	8:00	2.0	6	8:00	8:00	2.0	6	5	17
Westridge ES	LOSD	no	60	200	grass	5:00	9:00	2.0	5	5	8:00	8:00	2.0	6	8:00	8:00	2.0	6	5	17
<b>SUBTOTAL</b>									<b>20</b>	<b>20</b>				<b>24</b>				<b>24</b>	<b>20</b>	<b>68</b>
East Waluga Park #1	Parks	yes	60	200	grass	4:00	10:00	2.0	10	5	8:00	10:00	2.0	7	8:00	10:00	2.0	7	10	19
Westlake Park #1	Parks	yes	60	200	grass	4:00	10:00	2.0	10	5	8:00	10:00	2.0	7	8:00	10:00	2.0	7	10	19
Waluga JH #2	LOSD	yes	60	200	grass	4:00	10:00	2.0	10	5	8:00	10:00	2.0	7	8:00	10:00	2.0	7	10	19
Waluga JH #3	LOSD	yes	60	200	grass	4:00	10:00	2.0	10	5	8:00	10:00	2.0	7	8:00	10:00	2.0	7	10	19
<b>SUBTOTAL</b>									<b>40</b>	<b>20</b>				<b>28</b>				<b>28</b>	<b>40</b>	<b>76</b>
George Rogers Park #1	Parks	yes	65/70	270	grass	4:00	10:00	2.0	10	5	8:00	10:00	2.0	7	8:00	10:00	2.0	7	10	19
<b>SUBTOTAL</b>									<b>10</b>	<b>5</b>				<b>7</b>				<b>7</b>	<b>10</b>	<b>19</b>
Bryant ES #1	LOSD	no	65	300	grass	5:00	9:00	2.0	7	3	8:00	8:00	2.0	6	8:00	8:00	2.0	6	7	15
<b>SUBTOTAL</b>									<b>7</b>	<b>3</b>				<b>6</b>				<b>6</b>	<b>7</b>	<b>15</b>
Lake Oswego JH	LOSD	yes	65	300	grass	4:00	10:00	2.0	10	5	8:00	10:00	2.0	7	8:00	10:00	2.0	7	10	19
Westlake Park #3	Parks	yes	65	300	grass	4:00	10:00	2.0	10	5	8:00	10:00	2.0	7	8:00	10:00	2.0	7	10	19
<b>SUBTOTAL</b>									<b>20</b>	<b>10</b>				<b>14</b>				<b>14</b>	<b>20</b>	<b>38</b>
East Waluga Park #2	Parks	yes	90	330	grass	4:00	10:00	3.0	5	5	8:00	10:00	3.0	4	8:00	10:00	3.0	4	5	13
Waluga JH #1	LOSD	yes	90	300	grass	4:00	10:00	3.0	5	5	8:00	10:00	3.0	4	8:00	10:00	3.0	4	5	13
Westlake Park #2	Parks	yes	90	330	grass	4:00	10:00	3.0	5	5	8:00	10:00	3.0	4	8:00	10:00	3.0	4	5	13
<b>SUBTOTAL</b>									<b>15</b>	<b>15</b>				<b>12</b>				<b>12</b>	<b>15</b>	<b>39</b>
Lake Oswego HS	LOSD	yes	90	300	grass	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lakeridge HS #1	LOSD	yes	90	300	grass	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Lakeridge HS #2	LOSD	yes	90	300	grass	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>TOTAL</b>									<b>152</b>	<b>103</b>				<b>121</b>				<b>121</b>	<b>152</b>	<b>345</b>

TOTAL CAPACITY (Games and Practices)

497



# Existing Field Condition, Capabilities & Utilizations

			Existing Conditions						
		Multi-Use	Lights	Infield dimensions	Outfield dimensions	Surface materials (grass/synth)	Quality	# of fields	
George Rogers Park #1	Parks	yes	yes	65/70	270	grass	good	1	
George Rogers Park #2	Parks	yes	yes	60	170	grass	good	1	
East Waluga Park #1	Parks	no	yes	60	200	grass	good	1	
East Waluga Park #2	Parks	no	yes	90	330	grass	good	1	
Westlake Park #1	Parks	no	yes	60	200	grass	good	1	
Westlake Park #2	Parks	yes	yes	90	330	grass	good	1	
Westlake Park #3	Parks	yes	yes	65	300	grass	good	1	
Hazelia Field	Parks	yes	yes	60	180	synth	good	1	
SUBTOTAL								8	
Bryant ES #1	LOSD	yes	no	65	300	grass	good	1	
Bryant ES #2	LOSD	yes	no	60	200	grass	good	1	
Forest Hills ES #1	LOSD	yes	no	60	170	grass	good	1	
Forest Hills ES #2*	LOSD							0	
Hallinan ES	LOSD	yes	no	60	200	grass	good	1	
Lake Grove ES #1	LOSD	yes	no	60	200	grass	good	1	
Lake Grove ES #2*	LOSD							0	
Lake Oswego HS	LOSD							0	
Lakeridge HS #1	LOSD	n/a	n/a	n/a	n/a	n/a	n/a	0	
Lakeridge HS #2	LOSD	n/a	n/a	n/a	n/a	n/a	n/a	0	
Lake Oswego JH #1*	LOSD							0	
Lake Oswego JH #2	LOSD	yes	yes	65	300	grass	average	1	
Palisades ES #1*	LOSD							0	
Palisades ES #2*	LOSD							0	
River Grove ES*	LOSD							0	
Uplands ES #1	LOSD	yes	no	60	150	grass	poor	1	
Uplands ES #2*	LOSD							0	
Waluga JH #1	LOSD	yes	yes	90	300	grass	good	1	
Waluga JH #2	LOSD	yes	yes	60	200	grass	good	1	
Waluga JH #3	LOSD	yes	yes	60	200	grass	good	1	
Westridge ES #1	LOSD	yes	no	60	200	grass	poor	1	
SUBTOTAL LOSD								11	
<b>TOTAL BASEBALL/SOFTBALL</b>								<b>19</b>	
Total, 2001 Study								27	
Net Change, 2001-2011								(8)	

() = represent a negative number

No longer available since 2001 study

\* = These fields are no longer available due to a number of reasons, see assumptions section for details.



# Organizational Profile

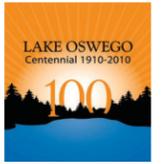
	Grade	Sex	Percent female	Total players in league	Players from city	City percent	Percent of City Participation
<b>Lake Oswego Soccer Club</b>	PK-12	coed	50%	2,689	2198	82%	47%
<b>SUBTOTAL YOUTH LEAGUES</b>				<b>2,689</b>	<b>2198</b>		
<b>Lakeridge HS Soccer</b>	9-12	boys	n/a	33	33	100%	1%
<b>Lakeridge HS Soccer</b>	9-12	girls	n/a	33	33	100%	1%
<b>Lake Oswego HS Soccer</b>	9-12	boys	n/a	45	45	100%	1%
<b>Lake Oswego HS Soccer</b>	9-12	girls	n/a	30	30	100%	1%
<b>Westside Christian HS Soccer</b>	9-12	boys	n/a	64	20	31%	1%
<b>Westside Christian HS Soccer</b>	9-12	girls	n/a	64	20	31%	1%
<b>SUBTOTAL SCHOOL TEAMS</b>				<b>269</b>	<b>181</b>		
<b>Adult Coed Soccer - Spring</b>	18+	coed	42%	378	239	63%	7%
<b>Adult Coed Soccer - Fall</b>	18+	coed	44%	391	242	62%	7%
<b>SUBTOTAL CITY LEAGUES</b>				<b>769</b>	<b>481</b>		
<b>TOTAL SOCCER *</b>				<b>3,727</b>	<b>2860</b>		
<b>Lake Oswego Youth Lacrosse</b>	1-8	boys	n/a	483	435	90%	8%
<b>Lake Oswego Youth Lacrosse</b>	5-8	girls	n/a	88	79	90%	2%
<b>Lake Oswego Youth Lacrosse Summer</b>	1-8	coed	25%	225	225	100%	4%
<b>SUBTOTAL YOUTH LEAGUES</b>				<b>796</b>	<b>739</b>		
<b>Lake Oswego HS Lacrosse</b>	9-12	boys	n/a	51	51	100%	1%
<b>Lake Oswego HS Lacrosse</b>	9-12	girls	n/a	33	33	100%	1%
<b>SUBTOTAL SCHOOL TEAMS</b>				<b>84</b>	<b>84</b>		
<b>Girls Youth Lacrosse</b>	1-4	girls	n/a	79	73	92%	1%
<b>SUBTOTAL CITY LEAGUES</b>				<b>79</b>	<b>73</b>		
<b>TOTAL LACROSSE</b>				<b>959</b>	<b>896</b>		
<b>Youth Flag Football League</b>	9-12	coed	33%	84	84	100%	1%
<b>SUBTOTAL CITY LEAGUES</b>				<b>84</b>	<b>84</b>		
<b>i9 Sports Football</b>	PK-6	coed	3%	622	255	41%	11%
<b>SUBTOTAL YOUTH LEAGUES</b>				<b>622</b>	<b>255</b>		
<b>Lakeridge Youth Football</b>	3-8	coed	0%	137	136	99%	2%
<b>Lake Oswego Youth Football</b>	3-8	coed	1%	188	188	100%	3%
<b>SUBTOTAL SCHOOL TEAMS</b>				<b>325</b>	<b>324</b>		
<b>TOTAL FOOTBALL</b>				<b>1,031</b>	<b>663</b>		
<b>TOTAL</b>				<b>5,717*</b>	<b>4,419*</b>		
Total, 2001 Study				4,891	4,532		
Net Change, 2001-2011				826	(113)*		

() = represent a negative number

\* = Does not include Park and Recreation summer camps (Skyhawks, 471 participants) which was included in the 2001 Study. to compare directly, the 2001 study with Skyhawks totaled 4532 city players vs. 4889 players in 2011. Resulting in an increase of 357 city players in 2011.

# Participation Rates & Projections\*

Includes players in more than 1 league and season.

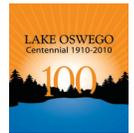


2010 City Population	1,489	426	426	426	426	426	539	539	539	539	539	488	488	488	488	28,055	36,619
----------------------	-------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--------	--------

	Age	Under 5	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Over 18	Total Resident Participants	Percent from City	Total Participants
Lake Oswego Soccer Club - Rec (3v3)	4-6	182	182	182														544.80	86%	638
Lake Oswego Soccer Club - Rec (Primary)	7-9				198	198	198											594.00	86%	693
Lake Oswego Soccer Club - Rec (Secondary)	10-13							111	111	111	111							442.00	92%	480
Lake Oswego Soccer Club - High School	14-17											20	20	20	20			79.00	95%	83
Lake Oswego Soccer Club - Pre-classic	8-9					79	79											158.00	93%	170
Lake Oswego Soccer Club - Classic	10-13							77	77	77	77							308.00	67%	460
Lake Oswego Soccer Club - High School Classic	14-17											18	18	18	18			72.00	44%	165
<b>SUBTOTAL</b>		<b>182</b>	<b>182</b>	<b>182</b>	<b>198</b>	<b>277</b>	<b>277</b>	<b>188</b>	<b>188</b>	<b>188</b>	<b>188</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>2197.80</b>		<b>2689</b>
Lakeridge HS Soccer - Boys	15-18												8	8	8	9		33.00	100%	33
Lakeridge HS Soccer - Girls	15-18												8	8	8	9		33.00	100%	33
Lake Oswego HS Soccer - Boys	15-18												11	11	11	12		45.00	100%	45
Lake Oswego HS Soccer - Girls	15-18												7	7	8	8		30.00	100%	30
Westside Christian HS Soccer - Boys	15-18												5	5	5	5		20.00	31%	64
Westside Christian HS Soccer - Girls	15-18												5	5	5	5		20.00	31%	64
<b>SUBTOTAL</b>		<b>0</b>	<b>44</b>	<b>44</b>	<b>45</b>	<b>48</b>	<b>0</b>	<b>181.00</b>		<b>269</b>										
Adult Coed Soccer - Spring	18+																93	93.00	63%	147
Adult Coed Soccer - Spring	35+																146	146.00	63%	231
Adult Coed Soccer - Fall	18+																100	100.00	62%	161
Adult Coed Soccer - Fall	35+																142	142.00	62%	230
<b>SUBTOTAL</b>		<b>0</b>	<b>481</b>	<b>481.00</b>		<b>769</b>														
<b>TOTAL SOCCER</b>		<b>182</b>	<b>182</b>	<b>182</b>	<b>198</b>	<b>277</b>	<b>277</b>	<b>188</b>	<b>188</b>	<b>188</b>	<b>188</b>	<b>38</b>	<b>82</b>	<b>82</b>	<b>83</b>	<b>48</b>	<b>481</b>	<b>2859.80</b>		<b>3727</b>
Lake Oswego Youth Lacrosse - Boys	7-8				36	36												72.00	90%	80
Lake Oswego Youth Lacrosse - Boys	9-10						43	43										86.00	90%	96
Lake Oswego Youth Lacrosse - Boys	11-12								64	64								128.00	90%	142
Lake Oswego Youth Lacrosse - Girls	11-12								20	20								40.00	90%	44
Lake Oswego Youth Lacrosse - Boys	13-14										74	74						148.00	90%	165
Lake Oswego Youth Lacrosse - Girls	13-14										20	20						40.00	90%	44
Lake Oswego Youth Lacrosse - Summer	7-14				28	28	28	28	28	28	28	28						225.00	100%	225
<b>SUBTOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>64</b>	<b>71</b>	<b>71</b>	<b>112</b>	<b>112</b>	<b>122</b>	<b>122</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>739.00</b>		<b>796</b>
Lake Oswego HS Lacrosse - Boys	15-18												12	13	13	13		51.00	100%	51
Lake Oswego HS Lacrosse - Girls	15-18												8	8	8	9		33.00	100%	33
<b>SUBTOTAL</b>		<b>0</b>	<b>20</b>	<b>21</b>	<b>21</b>	<b>22</b>	<b>0</b>	<b>84.00</b>		<b>84</b>										
Girls Youth Lacrosse	6-7			18	18													36.00	92%	39
Girls Youth Lacrosse	8-9					19	19											37.00	92%	40
<b>SUBTOTAL</b>		<b>0</b>	<b>0</b>	<b>18</b>	<b>18</b>	<b>19</b>	<b>19</b>	<b>0</b>	<b>73.00</b>		<b>79</b>									
<b>TOTAL LACROSSE</b>		<b>0</b>	<b>0</b>	<b>18</b>	<b>82</b>	<b>83</b>	<b>90</b>	<b>71</b>	<b>112</b>	<b>112</b>	<b>122</b>	<b>122</b>	<b>20</b>	<b>21</b>	<b>21</b>	<b>22</b>	<b>0</b>	<b>896.00</b>		<b>959</b>
Youth Flag Football League (City)	16-18													15	36	33		84.00	100%	84
i9 Sports Football	4-12	28	28	28	28	28	28	28	28	28								254.97	41%	622
Lakeridge Youth Football	8-14					19	19	19	19	19	19	19						136.00	99%	137
Lake Oswego Youth Football	8-14					26	27	27	27	27	27	27						188.00	100%	188
<b>TOTAL FOOTBALL</b>		<b>28</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>74</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>75</b>	<b>46</b>	<b>46</b>	<b>0</b>	<b>15</b>	<b>36</b>	<b>33</b>	<b>0</b>	<b>662.97</b>		<b>1031</b>
<b>TOTAL SOCCER, LACROSSE, &amp; FOOTBALL</b>		<b>210</b>	<b>210</b>	<b>228</b>	<b>308</b>	<b>433</b>	<b>441</b>	<b>333</b>	<b>374</b>	<b>374</b>	<b>356</b>	<b>206</b>	<b>102</b>	<b>118</b>	<b>140</b>	<b>103</b>	<b>481</b>	<b>4,419</b>		<b>5,717</b>
Player Projections in 2025 **		237	195	212	287	403	410	306	344	344	327	189	113	129	151	114	559	4320		
Net Change, 2011-2025		27	(15)	(16)	(21)	(30)	(31)	(27)	(30)	(30)	(29)	(17)	11	11	11	11	78	(99)		

() = represent a negative number

\*\*Projections based on participant to population ratio using 2010 Estimated USB & 2025 Forecast USB data.

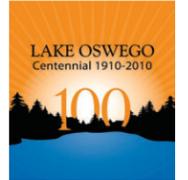


# Game Requirements By Size Field

	Grade	Sex	Width	Length	Surface	Players/team	Number of teams	Total number of players	Number of games/team not including tournaments	Weeks in season schedule	Equals number of game requirements per week per team	Total number of games for all teams all weeks	Percent home games played inside city	Total number of home games all teams all weeks	Percent wind/snow-out	Required game slots all teams all season	Games/week	Notes	Reg. Season
Lake Oswego Soccer Club - Rec (3v3)	K-1	coed	100	180	grs	12	52	638	5	9	0.5	234	100%	234	5%	246	27	3 teams using 1 full field	4 Sep - Nov 5
Lake Oswego Soccer Club - Rec (Primary)	2-4	coed	100	180	grs	12	58	693	4	9	0.5	260	100%	260	5%	273	30	3 teams using 1 full field	4 Sep - Nov 5
Lake Oswego Soccer Club - Rec (Secondary)	5-8	coed	150	225	grs	15	32	480	9	9	1.0	288	50%	144	5%	151	17	2 teams using 1 full field	11 Sep - 19 Nov
Lake Oswego Soccer Club - High School	9-12	coed	150	225	grs	17	5	83	9	9	1.0	45	55%	25	5%	26	3	2 teams using 1 full field	11 Sep - 19 Nov
Lake Oswego Soccer Club - Pre-classic	3-4	coed	150	225	grs	14	12	170	12	18	0.7	144	50%	72	5%	76	4	2 teams using 1 full field	20 Feb - 23 Apr; 18 Sep -19 Nov
Lake Oswego Soccer Club - Classic	5-8	coed	210	330	grs	16	28	460	14	18	0.8	392	50%	196	5%	206	11	1 team using 1 full field	20 Feb - 23 Apr; 18 Sep - 19 Nov
Lake Oswego Soccer Club - High School Classic	9-12	coed	210	330	grs	21	8	165	12	9	1.3	96	50%	48	5%	50	6	1 team using 1 full field	20 Feb - 23 Apr
Lakeridge HS Soccer	9-12	boys	210	330	grs	11	3	33	16	8	2.0	48	50%	24	5%	25	3	1 team using 1 full field	4 Sep - 16 Oct
Lakeridge HS Soccer	9-12	girls	210	330	grs	11	3	33	16	8	2.0	48	50%	24	5%	25	3	1 team using 1 full field	4 Sep - 16 Oct
Lake Oswego HS Soccer	9-12	boys	210	330	grs	15	3	45	16	8	2.0	48	50%	24	5%	25	3	1 team using 1 full field	4 Sep - 23 Oct
Lake Oswego HS Soccer	9-12	girls	210	330	grs	15	2	30	16	8	2.0	32	50%	16	5%	17	2	1 team using 1 full field	4 Sep - 23 Oct
Westside Christian HS Soccer	9-12	boys	210	330	grs	16	4	64	8	8	1.0	32	50%	16	5%	17	2	1 team using 1 full field	4 Sep - 23 Oct
Westside Christian HS Soccer	9-12	girls	210	330	grs	16	4	64	8	8	1.0	32	50%	16	5%	17	2	1 team using 1 full field	4 Sep - 23 Oct
Adult Coed Soccer - Spring	18+	coed	210	330	grs	21	7	147	4	10	0.4	30	100%	30	5%	31	3	1 team using 1 full field	3 Apr - 5 Jun
Adult Coed Soccer - Spring	35+	coed	210	330	grs	21	11	231	5	10	0.5	50	100%	50	5%	52	5	1 team using 1 full field	3 Apr - 5 Jun
Adult Coed Soccer - Fall	18+	coed	210	330	grs	23	7	161	4	10	0.4	30	100%	30	5%	31	3	1 team using 1 full field	11 Sep - 13 Nov
Adult Coed Soccer - Fall	35+	coed	210	330	grs	23	10	230	4	10	0.4	40	100%	40	5%	42	4	1 team using 1 full field	11 Sep - 13 Nov
<b>TOTAL SOCCER</b>								<b>249</b>	<b>3727</b>			<b>1849</b>		<b>1249</b>		<b>1311</b>			
Lake Oswego Youth Lacrosse 1/2 Boys	1-2	boys	100	180	grs	13	6	80	9	9	1.0	54	66%	36	5%	37	4	2 teams using 1 full field	20 Mar - 5 Jun
Lake Oswego Youth Lacrosse 3/4 Boys	3-4	boys	150	225	grs	16	6	96	18	9	2.0	108	66%	71	5%	75	8	2 teams using 1 full field	20 Mar - 5 Jun
Lake Oswego Youth Lacrosse 5/6 Boys	5-6	boys	210	330	grs	20	7	142	15	20	0.8	108	66%	71	5%	75	4	1 team using 1 full field	20 Mar - 5 Jun; 23 Oct - 13 Feb
Lake Oswego Youth Lacrosse 5/6 Girls	5-6	girls	210	330	grs	22	2	44	9	9	1.0	18	66%	12	5%	12	1	1 team using 1 full field	20 Mar - 5 Jun; 23 Oct - 13 Feb
Lake Oswego Youth Lacrosse 7/8 Boys	7-8	boys	210	330	grs	21	8	165	14	32	0.4	108	66%	71	5%	75	2	1 team using 1 full field	20 Mar - 4 Jun ;2 Oct - 3 Dec; 4 Dec - 19 Feb
Lake Oswego Youth Lacrosse 7/8 Girls	7-8	girls	210	330	grs	22	2	44	9	9	1.0	18	66%	12	5%	12	1	1 team using 1 full field	20 Mar - 5 Jun; 23 Oct - 13 Feb
Lake Oswego Youth Lacrosse - Summer	1-8	Coed	210	330	grs	n/a	n/a	225	n/a	9	n/a	n/a	100%	n/a	n/a	n/a	n/a	1 team using 1 full field	19 Jun - Aug 14
Lake Oswego HS Lacrosse	9-12	boys	210	330	grs	26	2	51	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1 team using 1 full field	n/a
Lake Oswego HS Lacrosse	9-12	girls	210	330	grs	17	2	33	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1 team using 1 full field	n/a
Girls Youth Lacrosse	1-2	girls	210	330	grs	39	1	39	8	8	1.0	8	100%	8	5%	8	1	1 team using 1 full field	10 Apr - 29 May
Girls Youth Lacrosse	3-4	girls	210	330	grs	40	1	40	18	9	2.0	18	100%	18	5%	19	2	1 team using 1 full field	3 Apr - 29 May
<b>TOTAL LACROSSE</b>								<b>37</b>	<b>959</b>			<b>440</b>		<b>299</b>		<b>314</b>			
Flag Football League (City)	9-12	coed	150	225	grs	12	7	84	3	3	1.1	24	100%	24	5%	25	8	2 teams using 1 full field	3 Mar - 27 Mar
i9 Sports Football	PK-6	coed	100	180	grs	9	66	622	8	23	1.0	528	50%	264	5%	277	12	3 teams using 1 full field	3 Apr - 1 Jun; 11 Sep - 30 Oct; 13 Nov - 31 Dec
Lakeridge Youth Football	3-8	coed	210	330	grs	20	7	137	10	10	1.0	72	50%	36	5%	38	4	1 team using 1 full field	4 Sep - 6 Nov
Lake Oswego Youth Football	3-8	coed	210	330	grs	24	8	188	9	10	0.9	72	50%	36	5%	38	4	1 team using 1 full field	4 Sep - 6 Nov
<b>TOTAL FOOTBALL</b>								<b>88</b>	<b>1031</b>			<b>696</b>		<b>360</b>		<b>378</b>			
<b>TOTAL</b>								<b>374</b>	<b>5,717</b>			<b>2,985</b>		<b>1,908</b>		<b>2,003</b>			
Total, 2001 Study								298	4,891			3,132		1,257		1,287			
Net Change, 2001-2011								76	826			(147)		651		716			

() = represent a negative number



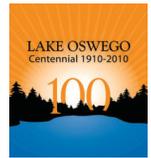


# Practice Requirements By Size Field

	Grade	Sex	Width	Length	Surface	Players/team	Number of teams	Total number of players	Number pre-season weeks	Number of practices/week/team	Number of pre-season practices/team all weeks	Number of practice slots/preseason week all teams	Pre-season dates	Season weeks	Number of practices/week/team	Number of season practices/team all weeks	Total practices/season week all teams	Season dates	Total practice slots/pre-season and regular season week all teams	
Lake Oswego Soccer Club - Rec (3v3)	PK-K	coed	100	180	grs	12	52	638	2	2.0	4	208	21 Aug - 3 Sep	9	1.0	9	468	3 teams using 1 full field	4 Sep - Nov 5	676
Lake Oswego Soccer Club - Rec (Primary)	1-2	both	100	180	grs	12	58	693	2	3.0	6	348	21 Aug - 3 Sep	9	1.8	16	940	3 teams using 1 full field	4 Sep - Nov 5	1288
Lake Oswego Soccer Club - Rec (Secondary)	3-5	both	150	225	grs	15	32	480	3	3.0	9	288	21 Aug - 10 Sep	9	1.8	16	518	2 teams using 1 full field	11 Sep - 12 Nov	806
Lake Oswego Soccer Club - High School	3-4	both	150	225	grs	17	5	83	3	5.0	15	75	21 Aug - 10 Sep	9	3.5	32	158	2 teams using 1 full field	11 Sep - 12 Nov	233
Lake Oswego Soccer Club - Pre-classic	5-8	both	150	225	grs	14	12	170	5	3.0	15	180	30 Jan - 19 Feb; 4 Sep - 17 Sep	18	1.8	32	389	2 teams using 1 full field	20 Feb - 23 Apr; 18 Sep - 19 Nov	569
Lake Oswego Soccer Club - Classic	6-12	both	210	330	grs	16	28	460	7	5.0	35	980	30 Jan - 19 Feb; 21 Aug - 17 Sep	18	3.5	63	1764	1 team using 1 full field	20 Feb - 23 Apr; 18 Sep - 19 Nov	2744
Lake Oswego Soccer Club - High School Classic	9-12	both	210	330	grs	21	8	165	3	5.0	15	120	30 Jan - 19 Feb	9	3.5	32	252	1 team using 1 full field	20 Feb - 23 Apr	372
Lakeridge HS Soccer (Boys)	9-12	boys	210	330	grs	11	3	33	2	5.0	10	30	21 Aug - 3 Sep	9	3.5	32	95	1 team using 1 full field	4 Sep - 5 Nov	125
Lakeridge HS Soccer (Girls)	9-12	girls	210	330	grs	11	3	33	2	5.0	10	30	21 Aug - 3 Sep	9	3.5	32	95	1 team using 1 full field	4 Sep - 5 Nov	125
Lake Oswego HS Soccer (Boys)	9-12	boys	210	330	grs	15	3	45	2	5.0	10	30	21 Aug - 3 Sep	9	3.5	32	95	1 team using 1 full field	4 Sep - 5 Nov	125
Lake Oswego HS Soccer (Girls)	9-12	girls	210	330	grs	15	2	30	2	5.0	10	20	21 Aug - 3 Sep	9	3.5	32	63	1 team using 1 full field	4 Sep - 5 Nov	83
Westside Christian HS Soccer (Boys)	9-12	boys	210	330	grs	16	4	64	2	5.0	10	40	21 Aug - 3 Sep	9	3.5	32	126	1 team using 1 full field	4 Sep - 5 Nov	166
Westside Christian HS Soccer (Girls)	9-12	girls	210	330	grs	16	4	64	2	5.0	10	40	21 Aug - 3 Sep	9	3.5	32	126	1 team using 1 full field	4 Sep - 5 Nov	166
Adult Coed Soccer - Spring	>18	coed	210	330	grs	21	7	147	3	1.0	3	21	13 March - 2 Apr	10	1.0	10	70	1 team using 1 full field	3 Apr - 11 Jun	91
Adult Coed Soccer - Spring	>35	coed	210	330	grs	21	11	231	3	1.0	3	33	13 March - 2 Apr	10	1.0	10	110	1 team using 1 full field	3 Apr - 11 Jun	143
Adult Coed Soccer - Fall	>18	coed	210	330	grs	23	7	161	3	1.0	3	21	21 Aug - 10 Sep	10	1.0	10	70	1 team using 1 full field	11 Sep - 19 Nov	91
Adult Coed Soccer - Fall	>35	coed	210	330	grs	23	10	230	3	1.0	3	30	21 Aug - 10 Sep	10	1.0	10	100	1 team using 1 full field	11 Sep - 19 Nov	130
<b>TOTAL SOCCER</b>							<b>249</b>	<b>3727</b>	<b>60</b>	<b>171</b>	<b>2494</b>			<b>42</b>	<b>429</b>	<b>5437</b>			<b>7931</b>	
Lake Oswego Youth Lacrosse 1/2 Boys	1-2	boys	100	180	grs	13	6	80	2	2.0	4	24	20 Mar - 2 Apr	9	1.0	9	54	2 teams using 1 full field	3 Apr - 4 Jun	78
Lake Oswego Youth Lacrosse 3/4 Boys	3-4	boys	150	225	grs	16	6	96	2	2.0	4	24	20 Mar - 2 Apr	9	1.8	16	97	2 teams using 1 full field	3 Apr - 4 Jun	121
Lake Oswego Youth Lacrosse 5/6 Boys	5-6	boys	210	330	grs	20	7	142	5	3.0	15	105	6 Mar - 13 Mar; 2 Oct - 16 Oct	18	1.8	32	227	1 team using 1 full field	3 Apr - 4 Jun ; 2 Oct - 3 Dec	332
Lake Oswego Youth Lacrosse 5/6 Girls	5-6	girls	210	330	grs	22	2	44	2	3.0	6	12	13 Mar - 2 Apr; 18 Sep - 1 Oct	9	1.8	16	32	1 team using 1 full field	27 Mar - 28 May	44
Lake Oswego Youth Lacrosse 7/8 Boys	7-8	boys	210	330	grs	21	8	165	6	3.0	18	144	13 Mar - 2 Apr; 4 Dec - 24 Dec	27	1.8	49	389	1 team using 1 full field	3 Apr - 4 Jun; 2 Oct - 3 Dec; 25 Dec - 19 Feb	533
Lake Oswego Youth Lacrosse 7/8 Girls	7-8	girls	210	330	grs	22	2	44	3	3.0	9	18	13 Mar - 2 Apr	9	1.8	16	32	1 team using 1 full field	3 Apr - 4 Jun	50
Lake Oswego Youth Lacrosse - Summer	1-8	Coed	210	330	grs	n/a	n/a	225	0	0.0	0	0	n/a	9	1.0	9	18	1 team using 1 full field	19 Jun - Aug 20	18
Lake Oswego HS Lacrosse	9-12	boys	210	330	grs	26	2	51	1	5.0	5	10	6 Mar - 12 Mar	9	3.5	32	64	1 team using 1 full field	13 Mar - 14 May	74
Lake Oswego HS Lacrosse	9-12	girls	210	330	grs	17	2	33	1	5.0	5	10	6 Mar - 12 Mar	9	3.5	32	64	1 team using 1 full field	13 Mar - 14 May	74
Girls Youth Lacrosse	1-2	girls	210	330	grs	20	2	39	3	1.0	3	6	13 March - 2 Apr	9	1.0	9	18	1 team using 1 full field	3 Apr - 4 Jun	24
Girls Youth Lacrosse	3-4	girls	210	330	grs	20	2	40	3	1.0	3	6	13 March - 2 Apr	9	1.0	9	18	1 team using 1 full field	3 Apr - 4 Jun	24
<b>TOTAL LACROSSE</b>							<b>39</b>	<b>959</b>	<b>28</b>	<b>72</b>	<b>359</b>			<b>20</b>	<b>230</b>	<b>1014</b>			<b>1373</b>	
Flag Football League (City)	9-12	coed	150	225	grs	12	7	84	0	0.0	0	0	n/a	0	0.0	0.0	0.0	2 teams using 1 full field	6 Mar - 26 Mar	n/a
i9 Sports Football	PK-6	coed	150	225	grs	9	66	622	0	0.0	0	0	n/a	23	1.0	23	1518	3 teams using 1 full field	3 Apr - 4 Jun; 11 Sep - 4 Nov; 13 Nov - 24 Dec	1518
Lakeridge Youth Football	3-8	coed	210	330	grs	20	7	137	2	5.0	10	70	21 Aug - 3 Sep	10	4.0	40	280	1 team using 1 full field	4 Sep - 12 Nov	350
Lake Oswego Youth Football	3-8	coed	210	330	grs	24	8	188	2	5.0	10	80	21 Aug - 3 Sep	10	4.0	40	320	1 team using 1 full field	4 Sep - 12 Nov	400
<b>TOTAL FOOTBALL</b>							<b>88</b>	<b>1031</b>	<b>10</b>	<b>20</b>	<b>150</b>			<b>9</b>	<b>103</b>	<b>2118</b>			<b>2268</b>	
<b>TOTAL</b>							<b>376</b>	<b>5,717</b>	<b>98</b>	<b>263</b>	<b>3,003</b>			<b>71</b>	<b>761</b>	<b>8,568</b>			<b>11571</b>	
Total, 2001 Study							298	4,891	103	238	2,828			92	946	5,650				
Net Change, 2001-2011							78	826	(5)	25	175			(21)	(185)	2,918				

() = represent a negative number



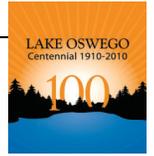


# Highest Demand Field Capacities

## Scenario 1 - weekday practices & weekend games

3rd week October

		Lights	Width dimensions	Length dimensions	Surface materials (grass/synth)	Monday-Friday practices only					Saturday games				Sunday games				Peak week capacity	
						Starting time (PM)	Ending time (PM)	Practice slot	Number practices/week	Number of games per week	Starting time (AM)	Ending time (PM)	Game slot	Number games/week	Starting time (AM)	Ending time (PM)	Game slot	Number games/week	Practice	Games
Uplands ES	LOSD	no	100	180	grass	4:00	7:00	1.0	15	0	8:30	7:00	1.5	7	8:30	7:00	1.5	7	15	14
SUBTOTAL									15	0				7				7	15	14
Forest Hills ES	LOSD	no	150	225	grass	4:00	7:00	1.5	10	0	9:00	7:00	2.0	5	9:00	7:00	2.0	5	10	10
Hallinan ES	LOSD	no	150	225	grass	4:00	7:00	1.5	10	0	9:00	7:00	2.0	5	9:00	7:00	2.0	5	10	10
Lake Grove ES	LOSD	no	150	225	grass	4:00	7:00	1.5	10	0	9:00	7:00	2.0	5	9:00	7:00	2.0	5	10	10
Pilkington (Practice Only)	Parks	no	150	225	grass	4:00	7:00	1.5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10	0
Oak Creek ES	LOSD	no	150	225	grass	4:00	7:00	1.5	10	0	9:00	7:00	2.0	5	9:00	7:00	2.0	5	10	10
Rivergrove #2 (Practice Only)	LOSD	no	150	225	grass	4:00	7:00	1.5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10	0
SUBTOTAL									60	0				20				20	60	40
George Rogers Park	Parks	yes	150	225	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.0	7	8:00	10:00	2.0	7	15	14
SUBTOTAL									15	0				7				7	15	14
Bryant ES	LOSD	no	210	330	grass	5:00	7:00	2.0	5	0	9:00	7:00	2.5	4	9:00	7:00	2.5	4	5	8
Palisades ES	LOSD	no	210	330	grass	5:00	7:00	2.0	5	0	9:00	7:00	2.5	4	9:00	7:00	2.5	4	5	8
Rivergrove ES #1	LOSD	no	210	330	grass	5:00	7:00	2.0	5	0	9:00	7:00	2.5	4	9:00	7:00	2.5	4	5	8
Waluga JH #2	LOSD	no	210	330	grass	5:00	7:00	2.0	5	0	9:00	7:00	2.5	4	9:00	7:00	2.5	4	5	8
Westridge ES	LOSD	no	210	330	grass	5:00	7:00	2.0	5	0	9:00	7:00	2.5	4	9:00	7:00	2.5	4	5	8
SUBTOTAL									25	0				20				20	25	40
Hazelia Field	Parks	yes	210	330	synth	4:00	10:00	2.0	15	0	8:00	10:00	2.5	5	8:00	10:00	2.5	5	15	10
Lake Oswego JH	LOSD	yes	210	330	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.5	5	8:00	10:00	2.5	5	15	10
Waluga JH	LOSD	yes	210	330	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.5	5	8:00	10:00	2.5	5	15	10
Westlake Park	Parks	yes	210	330	grass	4:00	10:00	2.0	15	0	8:00	10:00	2.5	5	8:00	10:00	2.5	5	15	10
SUBTOTAL									60	0				20				20	60	40
Lake Oswego HS	LOSD	yes	210	330	synth	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	8:00	10:00	3.0	4	n/a	4
Lakeridge HS #1	LOSD	yes	210	330	synth	n/a	n/a	n/a	n/a	n/a	8:00	8:00	3.0	4	8:00	8:00	3.0	4	n/a	8
Lakeridge HS #2	LOSD	yes	210	330	synth	n/a	n/a	n/a	n/a	n/a	8:00	8:00	3.0	4	8:00	8:00	3.0	4	n/a	8
SUBTOTAL									0	0				8				12		20
<b>TOTAL</b>									<b>175</b>	<b>0</b>				<b>82</b>				<b>86</b>	<b>175</b>	<b>168</b>
<b>TOTAL CAPACITY (Games and Practices)</b>																				<b>343</b>



# Highest Demand Field Capacities

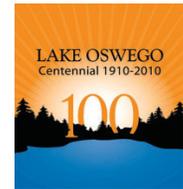
## Scenario 2 - weekday practices/games & weekend games

3rd week October

		Lights	Width dimensions	Length dimensions	Surface materials (grass/synth)	Monday-Friday practices and games					Saturday games				Sunday games				Peak week capacity	
						Starting time (PM)	Ending time (PM)	Practice slot	Number practices/week	Number of games per week	Starting time (AM)	Ending time (PM)	Game slot	Number games/week	Starting time (AM)	Ending time (PM)	Game slot	Number games/week	Practice	Games
<b>Uplands ES</b>	LOSD	no	100	180	grass	4:00	7:00	1.0	13	2	8:30	7:00	1.5	7	8:30	7:00	1.5	7	13	16
<b>SUBTOTAL</b>						<b>13 2</b>					<b>7</b>				<b>7 13 16</b>					
<b>Forest Hills ES</b>	LOSD	no	150	225	grass	4:00	7:00	1.5	9	1	9:00	7:00	2.0	5	9:00	7:00	2.0	5	9	11
<b>Hallinan ES</b>	LOSD	no	150	225	grass	4:00	7:00	1.5	9	1	9:00	7:00	2.0	5	9:00	7:00	2.0	5	9	11
<b>Lake Grove ES</b>	LOSD	no	150	225	grass	4:00	7:00	1.5	9	1	9:00	7:00	2.0	5	9:00	7:00	2.0	5	9	11
<b>Pilkington (Practice Only)</b>	Parks	no	150	225	grass	4:00	7:00	1.5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10	0
<b>Oak Creek ES</b>	LOSD	no	150	225	grass	4:00	7:00	1.5	9	1	9:00	7:00	2.0	5	9:00	7:00	2.0	5	9	11
<b>Rivergrove #2 (Practice Only)</b>	LOSD	no	150	225	grass	4:00	7:00	1.5	10	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	10	0
<b>SUBTOTAL</b>						<b>56 4</b>					<b>20</b>				<b>20 56 44</b>					
<b>George Rogers Park</b>	Parks	yes	150	225	grass	4:00	10:00	2.0	13	2	8:00	10:00	2.0	7	8:00	10:00	2.0	7	13	16
<b>SUBTOTAL</b>						<b>13 2</b>					<b>7</b>				<b>7 13 16</b>					
<b>Bryant ES</b>	LOSD	no	210	330	grass	5:00	7:00	2.0	4	1	9:00	7:00	2.5	4	9:00	7:00	2.5	4	4	9
<b>Palisades ES</b>	LOSD	no	210	330	grass	5:00	7:00	2.0	4	1	9:00	7:00	2.5	4	9:00	7:00	2.5	4	4	9
<b>Rivergrove ES #1</b>	LOSD	no	210	330	grass	5:00	7:00	2.0	4	1	9:00	7:00	2.5	4	9:00	7:00	2.5	4	4	9
<b>Waluga JH #2</b>	LOSD	no	210	330	grass	5:00	7:00	2.0	4	1	9:00	7:00	2.5	4	9:00	7:00	2.5	4	4	9
<b>Westridge ES</b>	LOSD	no	210	330	grass	5:00	7:00	2.0	4	1	9:00	7:00	2.5	4	9:00	7:00	2.5	4	4	9
<b>SUBTOTAL</b>						<b>20 5</b>					<b>20</b>				<b>20 20 45</b>					
<b>Hazelia Field</b>	Parks	yes	210	330	synth	4:00	10:00	2.0	13	2	8:00	10:00	2.5	5	8:00	10:00	2.5	5	13	12
<b>Lake Oswego JH</b>	LOSD	yes	210	330	grass	4:00	10:00	2.0	13	2	8:00	10:00	2.5	5	8:00	10:00	2.5	5	13	12
<b>Waluga JH</b>	LOSD	yes	210	330	grass	4:00	10:00	2.0	13	2	8:00	10:00	2.5	5	8:00	10:00	2.5	5	13	12
<b>Westlake Park</b>	Parks	yes	210	330	grass	4:00	10:00	2.0	13	2	8:00	10:00	2.5	5	8:00	10:00	2.5	5	13	12
<b>SUBTOTAL</b>						<b>52 8</b>					<b>20</b>				<b>20 52 48</b>					
<b>Lake Oswego HS</b>	LOSD	yes	210	330	synth	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	8:00	10:00	3.0	4	n/a	4
<b>Lakeridge HS #1</b>	LOSD	yes	210	330	synth	n/a	n/a	n/a	n/a	n/a	8:00	8:00	3.0	4	8:00	8:00	3.0	4	n/a	8
<b>Lakeridge HS #2</b>	LOSD	yes	210	330	synth	n/a	n/a	n/a	n/a	n/a	8:00	8:00	3.0	4	8:00	8:00	3.0	4	n/a	8
<b>SUBTOTAL</b>						<b>0 0</b>					<b>8</b>				<b>12 20</b>					
<b>TOTAL</b>						<b>154 21</b>					<b>82</b>				<b>86 154 189</b>					

TOTAL CAPACITY (Games and Practices)

343



# Field Condition, Capabilities & Utilizations

		Existing conditions							
		Multi-Use	Lights	Width dimensions	Length dimensions	Surface materials (grass/synth)	Quality	Number of fields	
<b>George Rogers Park</b>	Parks	yes	yes	150	225	grass	good	1	
<b>Westlake Park</b>	Parks	yes	yes	210	330	grass	good	1	
<b>Pilkington Park (Practice Only)</b>	Parks	no	no	150	225	grass	average	1	
<b>Hazelia Field</b>	Parks	yes	yes	210	330	synth.	good	1	
<b>SUBTOTAL PARKS</b>								<b>4</b>	
<b>Bryant ES #1 (MP)</b>	LOSD	yes	no	210	330	grass	good	1	
<b>Bryant ES #2*</b>	LOSD							0	
<b>Forest Hills ES</b>	LOSD	yes	no	150	225	grass	good	1	
<b>Hallinan ES</b>	LOSD	yes	no	150	225	grass	good	1	
<b>Lake Grove ES</b>	LOSD	yes	no	150	225	grass	good	1	
<b>Lake Oswego HS</b>	LOSD	no	yes	210	330	synth	good	1	
<b>Lake Oswego JH</b>	LOSD	yes	yes	210	330	grass	questionable	1	
<b>Lake Oswego JH #2*</b>	LOSD							0	
<b>Lakeridge HS #1 (MP)</b>	LOSD	no	yes	210	330	synth	good	1	
<b>Lakeridge HS #2</b>	LOSD	no	yes	210	330	synth	good	1	
<b>Oak Creek ES</b>	LOSD	no	no	150	225	grass	questionable	1	
<b>Palisades ES #1</b>	LOSD	no	no	210	330	grass	good	1	
<b>Palisades ES #2*</b>	LOSD							0	
<b>Rivergrove ES #1 (MP)</b>	LOSD	no	no	210	330	grass	good	1	
<b>Rivergrove ES #2 (MP) (Practice Only)</b>	LOSD	no	no	150	225	grass	average	1	
<b>Uplands ES</b>	LOSD	yes	no	100	180	grass	good	1	
<b>Uplands ES #2*</b>	LOSD							0	
<b>Waluga JH</b>	LOSD	yes	yes	210	330	grass	good	1	
<b>Waluga JH #2*</b>	LOSD	yes	no	210	330	grass	good	1	
<b>Westridge ES</b>	LOSD	no	no	210	330	grass	good	1	
<b>SUBTOTAL LOSD</b>								<b>16</b>	
<b>TOTAL</b>								<b>20</b>	
Total, 2001 Study								21	
Net Change, 2001-2011								(1)	

() = represent a negative number

\* = These fields are no longer available due to a number of reasons, see assumptions section for details.

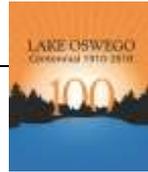
(MP) - Multi Purpose (Soccer, Lacrosse and/or Football)

- No longer available since 2001 Study
- New practice area since 2001 Study
- New field since 2001 Study

---

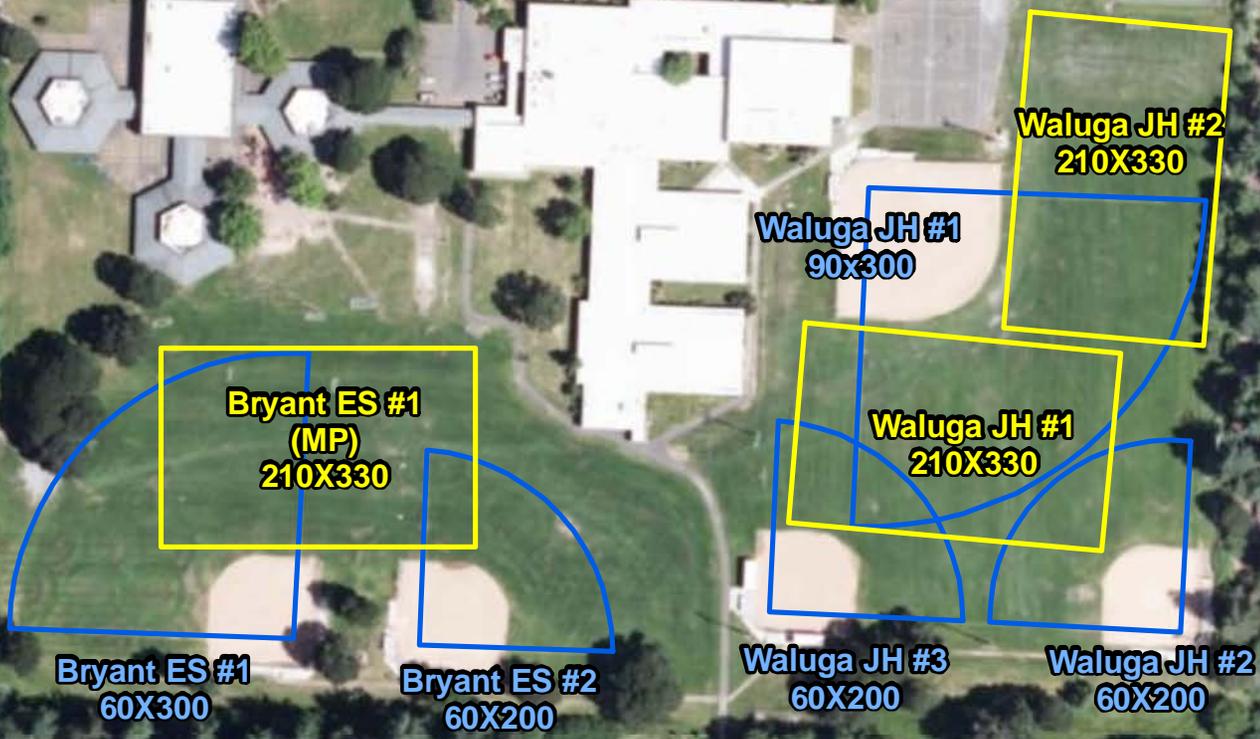
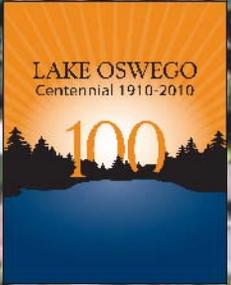
**Athletic Field Requirements Study**

Update 2011

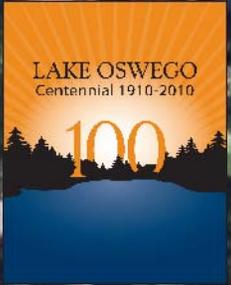


# LOCATION MAPS

# Bryant Elementary and Waluga Junior High Schools



# East Waluga Park



**East Waluga #2 - 60X200**

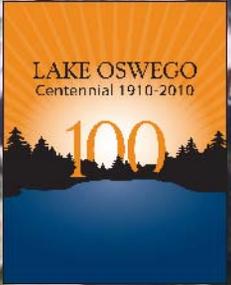
**East Waluga #1 - 90X330**

App 21



1 inch = 100 feet

# Forest Hills Elementary



**Forest Hills #1  
150X225**

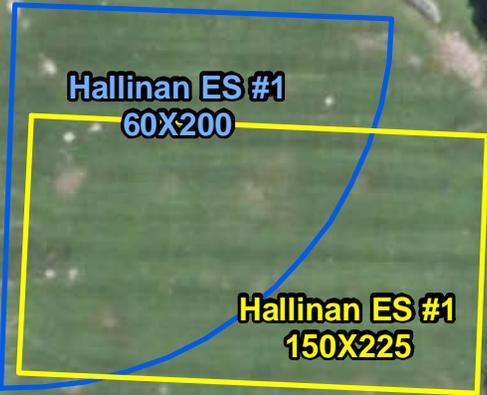
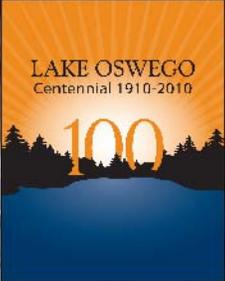
**Forest Hills #1  
60X170**

App 22



1 inch = 100 feet

# Hallinan Elementary



APP 23



1 inch = 100 feet

# Hazelia Field at Luscher Farm



**Hazelia Field #1**  
**60X180**

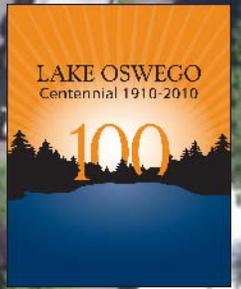
**Hazelia Field #1**  
**210X330**

APP 24

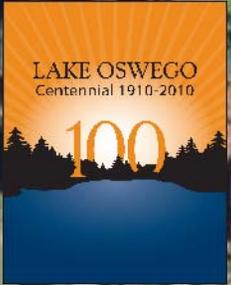


1 inch = 100 feet

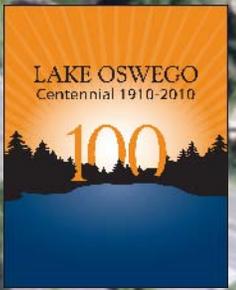
# Lakegrove Elementary



# Lake Oswego High



# Lake Oswego Junior High and Uplands Elementary



Lake Oswego JH #2  
65X300

Lake Oswego JH #1  
210X330

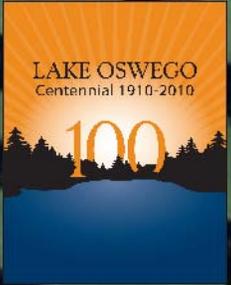
Lake Oswego Junior High  
Varsity Field  
School Use Only

Uplands ES#1  
60X150

Uplands ES#1  
100X180



# Lakeridge High



**Lakeridge #2**  
**210X330**

**Lakeridge #1**  
**(MP)**  
**210X330**



**Lakeridge**  
**School Use Only**



**Lakeridge**  
**School Use Only**



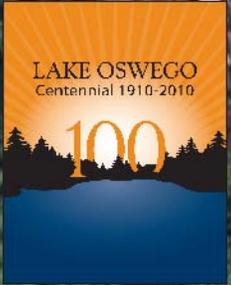
**Lakeridge Limited**  
**Community Use**



**Lakeridge Limited**  
**Community Use**



# Oakcreek Elementary



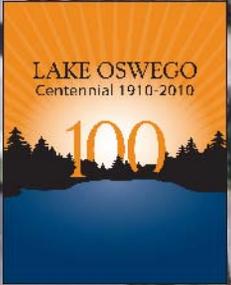
**Oak Creek ES #1  
150X225**

APP 29



1 inch = 100 feet

# Palisades Elementary



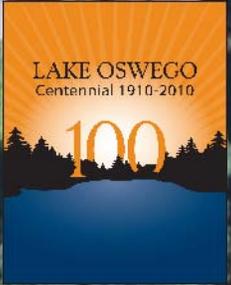
**Palisades ES #1  
210X330**

APP 30



1 inch = 100 feet

# Rivergrove Elementary and Pilkington Park



**Rivergrove ES #2  
(Practice Only)  
150X225**

**Rivergrove ES #1  
(MP)  
210X330**

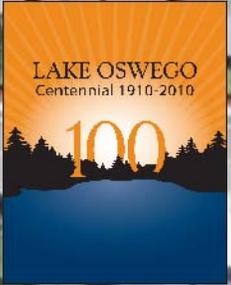
**Pilkington  
(Practice Only)  
150X225**

APP 31



1 inch = 100 feet

# Westlake Park



**Westlake #1**  
60X200

**Westlake #3**  
65X300

**Westlake #1**  
(MP)  
210X330

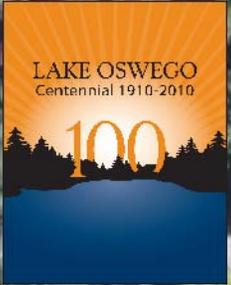
**Westlake #2**  
90X330

APP 32



1 inch = 100 feet

# Westridge Elementary



**Westridge ES #1  
210X330**

**Westridge ES #1  
60X200**

APP 33



1 inch = 100 feet