RECREATION FACILITY NEEDS ASSESSMENT AND OPEN SPACE MASTER PLAN

Volume 1

Parks Master Planning and Needs Assessment Report

City of Salem, Massachusetts

November 2015

McCabe Park

Gale JN 716760

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Volume 1 – Parks Master Planning & Needs Assessment

Section 1.0 Introduction, Background and Purpose

During the winter of 2014/2015, Gale Associates, Inc. (Gale) was engaged by the City of Salem to assist with the development of a Recreation Facility Needs Assessment and Open Space Master Plan for the City of Salem, MA. The focus of the master plan effort was the development of a parks inventory and assessment of parks recreation facilities and athletic facilities throughout the city. The scope of this study includes evaluations, assessments and master planning for all of the city playgrounds, parks, athletic fields, hard court facilities, school yards, and similar types of recreation facilities. The scope of this study includes the following:

- To complete a facilities inventory and assessment to identify the adequacy of existing facilities, including parks, and athletic fields, and to identify opportunities for improvements.
- To complete a needs assessment, through sensing sessions, questionnaires and community surveys, to determine the adequacy, effectiveness and appropriateness of current recreational offerings and make recommendations based on perceptions of constituents as they relate to parks, open spaces and athletic fields.
- To develop a Planning Program for the City, to better meet the recreational needs of the community as they relate to athletic fields.
- To review current maintenance practices and offer recommendations regarding the level maintenance budgeting and resources that should be allocated for the existing and proposed inventory of athletic facilities.
- To identify priority projects, programs and areas for improvement, of parks and open spaces, to better meet the needs of the community.
- To prepare a Master Plan of facility and program enhancements to better meet the recreational needs of the City's stakeholders.
- To prepare phasing plans and capital improvement budgets consistent with the Master Plan recommendations.

The main goal and purpose of this Master Planning study is to provide the city with a clear vision for its parks and athletic fields, so that budgeting and planning efforts can be done in a clear and coordinated way. Part of this goal includes the documentation of the communities wants and needs (volume 2 of this report), and a large part is the inventory and evaluation of the existing parks, athletic fields and park amenities (volume 3 & 4). Volume 1 consists of the narrative and articulation of the master planning recommendations, and how those recommendations were arrived at. These volumes contain a lot of detailed information about the parks in Salem. The attempt has been made to make these volumes as user friendly as possible so city staff can

reference individual parks, their inventory and conditions on an ongoing basis in the actual implementation of the Master Plan. Some of this report recommends large scale improvements that will affect global developments at certain parks, however the majority of the facility evaluations concern small scale improvements that will be most efficiently addressed by city staff on an ongoing, day to day basis as funds become available.

Greenlawn Cemetery

This first volume of the report provides the summary and findings of the Master Planning Study that is backed up by the subsequent three volumes of the Master plan report. Volume 1 provides overall direction, master planning and findings for the parks. Volumes 2, 3 and 4 document the detailed information and fact finding that were the bulk of the work of this report and back up the findings of Volume 1. The last three volumes inventory Community concerns as well as the amenities and usage of each park in the city. These volumes are assembled as documents intended to be referenced on a regular basis for staff and planners in the implementation of Master Planning Improvements considered in volume 1.

The volumes of this report include the following:

Volume 1 – Parks Master Planning and Needs Assessment

This Volume comprises the majority of the text portions of the report and outlines the findings drawn from the other report volumes.

Volume 2 – Community Input

The community input section documents the findings of the community input meetings as well as the on-line survey of city residents concerning parks usage.

Volume 3 - Park & School Athletics Demand & Programming

Volume 3 documents the demand data and athletic facilities inventory at City Schools and Parks, discusses programming and recommendations with regard to meeting user needs for athletic field usage.

Volume 4 – Park Evaluations

This volume provides detailed information on all of the city park and school properties with regards to park and athletic facilities and amenities. Each park is documented, inventoried and evaluated for its character, amenities and condition.

Related City Reports and Planning Initiatives

While the subject matter of this report is concentrated on parks, and those facilities controlled by the Recreation Department and Schools, other city efforts and developments should be recognized and consulted in planning for current and future parks. Some of those current initiatives include:

Salem Open Space & Recreation Master Plan Update 2015

Footprint Energy/Salem Station Conversion

Salem Harbor front Master Planning,

Salem Port Expansion Project

Winter Island Master Plan and Renovations

Essex Street Pedestrian Mall Project

Point Neighborhood Planning

Grove street improvements/Residential Developments

Local Agencies involved in Parks and Athletics development:

Various agencies within the city are also interested in the master planning process for parks in addition to the Recreation Department which commissioned this report. Other City agencies with concerns about parks projects in the city include:

Salem Public Schools (athletic fields in parks)

The Department of Planning and Community Development

Mass In Motion – A bicycling and outdoor advocacy group

The Public Works Department (city arborist and street trees)

Various parks user groups

Section 1.2 (Volume 2 Summary) Community Input

A critical part of the Master Planning process is soliciting the input of the Community. Community input was gathered through posted public meetings, the master plan working group as well as an on-line survey of community opinions regarding open spaces and parks within the city.

Two public community meetings were held. Each meeting was publicly posted in local publications, as well as posted on the town website and in local public buildings such as the town hall and local community centers. At both public meetings a presentation was made outlining the Master planning process, master planning scope and the goals that were anticipated. A translator was available at both meetings. At the end of the presentation was a question and answer period. In addition the Master Planning working group met a number of times to review the planning process and goals of this plan was held as open forum in town hall. Minutes from these meetings are included in Volume 2.

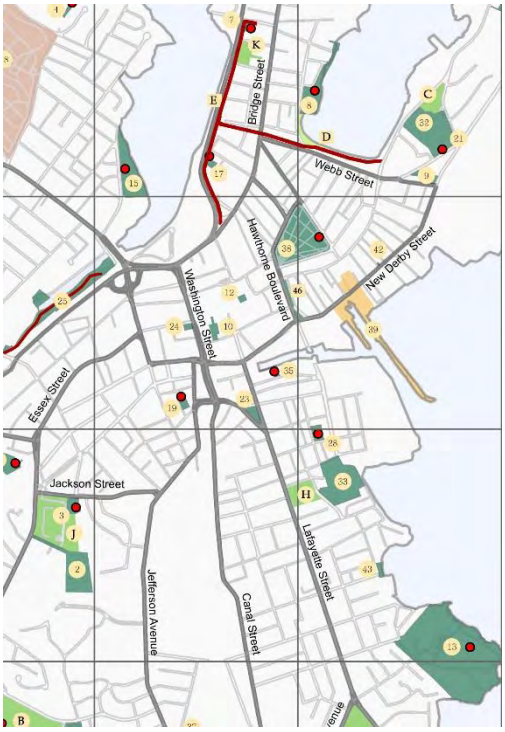
Also included in Volume 2 are the results of an on-line community wide survey regarding parks and recreation facilities within the City. The results of this survey, comments from the community meetings are various, and the majority of the comments relate to parks in the immediate areas of the commenter. The most popular comments were those regarding neighborhood parks in and around the immediate vicinity of the City's down town, as well as the larger 'destination' parks in the city.

Some of the main concerns expressed during the community input portion of the report include the following:

- The most important perceived recreational need throughout the City of Salem is for additional open space and passive recreational uses, especially walking, biking, running, hiking, and fitness. In response to several questions concerning current unmet recreation needs and

potential priorities for development, the survey revealed that trails and paths is an unmet need. It is recommended that multi-purpose trail/path networks continue to be considered and expanded as part of any new recreational park development. Additionally, the City should look into the renovation and possible expansion of existing trail facilities.

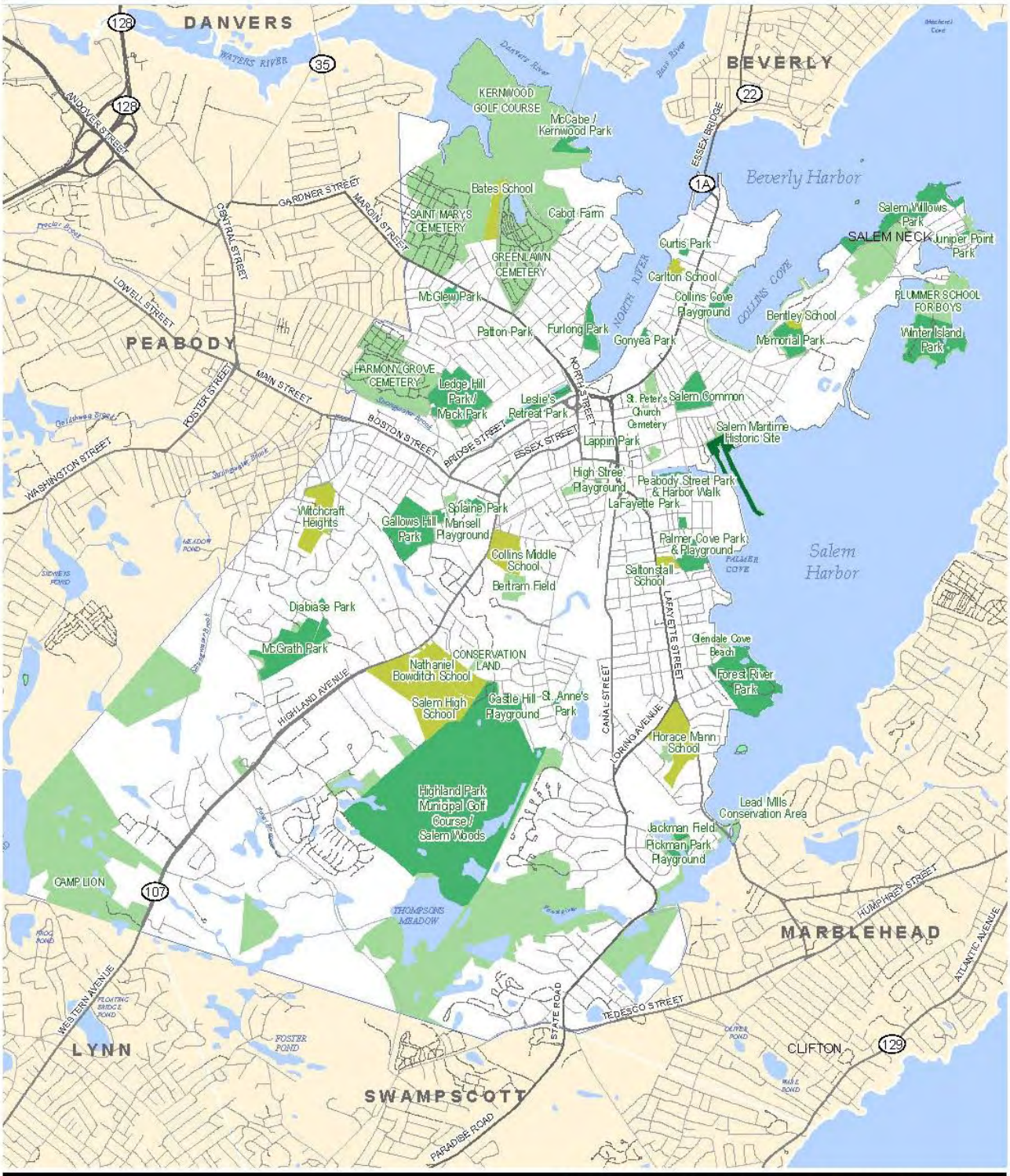
- Though only a select demographic responded to questions concerning active recreation, the second most important recreational need throughout the City appears to be for more or improved athletic fields, specifically for multi-purpose use. The existing population of fields appears to be inadequate to effectively meet current demands. This demand is consistent with that of other communities, as the popularity of youth soccer increases and new sports (e.g., lacrosse) become more widely played.
- While additional fields were indicated as a priority for development, the use of synthetic turf and athletic lighting as a means to increase use of existing fields seems to remain an option. Based on the results indicating support for synthetic turf, we feel that the incorporation of synthetic turf or lighting could be considered to meet demand, in lieu of developing new fields.
- It is apparent, through both survey responses and results of the sensing sessions, that there is a perception that maintenance and upkeep of parks is not sufficient. There also appears to be the perception that the lack of maintenance is affecting serviceability of the City's athletic field inventory. In response to open ended questions, there is a perception that additional maintenance is required, rather than new or improved facilities.



Downtown Salem

- Questions concerning city spending on parks reveals a perception that not enough is being done to maintain existing parks, and that respondents are in support of additional municipal spending for maintenance, as well as open space acquisition.
- Maintenance of existing city trees and landscape was rated overwhelmingly as very important to the respondents.
- During the community meetings a number of different issues were brought up during the question and comment period of the meetings. Concerns included lack of maintenance, need for additional security (drug use at specific parks), Need for additional lighting, bicycle connectivity between parks and public drinking/water fountains.

For the detailed input and comments refer to Volume #2 of this report.



Legend

- City Parks
- National Parks
- Protected and Recreational Open Space
- Schools

0 900 1,800 3,600 Feet

City of Salem Open Space and Recreation Plan Update 2015

Salem Open Space and Recreation Plan

Map 6

Open Space Inventory

Data Sources:
City Parks - City of Salem
Protected and Recreational Open Space - MassGIS

Section 1.3 (Volume 3 Summary) Park and School Athletics Demand and Programming

Volume three of the report focuses exclusively on the athletic fields at city parks and schools. Going into the master planning process, and community input phases of the report there was a perception that the existing fields in the city are overused, under maintained, and are inadequate in number to provide for the needs of the public. Subsequent comments from the community, as well as evaluations of the fields themselves confirms these perceptions. The following summary outlines the findings of Volume 3 of the master plan, which focuses on the existing fields in the city, who uses them and how much.

Fields Inventory: (Table 1.3A) ◆=Diamond, MPR=Multipurpose rectangular

FACILITY/PARK	FIELD TYPE & quantity	FIELD SIZE	MAIN USERS
2. Bertram Field	Stadium Multipurpose	225 X 360 400M track	High School Varsity
5. Castle Hill Playground (Softball/MPR)	Combined Softball/Field Hockey	60' x200'+◆ 150'x270' MPR	Youth, adult and High School Field Hockey
8. Collins Cove	Combined Softball/MPR	60'x170/190'◆ 145'x190' MPR	Youth
13. Forest River Park	Baseball	60' x 185'	Little League
15. Furlong Park	Softball	60'x 200;' ◆	Youth
16. Gallows Hill Park	Combined Softball & baseball/MPR	90'x300'◆ 60'x 200+◆ 190'x290'MPR	Youth & Adult
21/32/C. Irzyk Park/Memorial /Bentley School	Combined Baseball (90'bl)/MPR	90'x310'◆ 200'x325'	Youth/HS JV/Youth
26. Mack Park (Ledge Hill)	Softball	60'x200'◆	High School Varsity
30. McGlew Park	Softball	60'x200'◆	Youth & adult
31. McGrath Park	Soccer (2)	200'x315' up 205'x315' dwn	Youth
33. Palmer Cove Park	Combined Baseball/MPR	90'x310'+◆ 180'x290' MPR	HS Varsity Baseball
41. Splaine Park (t-ball/softball)	Softball	60' x 155'◆	Youth (undersized)
45. Witchcraft Heights	Combined Softball/MPR	60'x200'+◆ 170'x215'MPR	Youth
A. Salem High School	Multipurpose Rectangular	210'x330' lower 170'x270' upper	HS. Soccer
B. Bowditch School	Multipurpose Rectangular	165'x300'	School use (middle)

Section 1.3.1 Usage Analysis Breakdowns:

From the data collected from Recreation, the schools and City user groups, there are approximately 2250 annually scheduled uses on Salem's athletic fields. These are distributed over a population of roughly (16) fields throughout the city that can be used at any one time. This quantity excludes fields not suitable for use (e.g. Mansell, Salem Willows and High School upper) but includes undersized facilities that are on the City roster of athletic fields. The usage of various fields varies widely. Isolated, relatively remote, undersized fields receive the least use (e.g. McGlew, Splaine), and larger fields, closer to downtown, with parking receiving the most use (e.g. Forest river, McGrath or Bertram.)

Inventory Analysis (Table 1.3B)

Field Inventory	Qty	Comments
Total Fields	20	
Informal/partial/undersized fields	-5	Splaine, Forest river practice infield, Salem Willows, Mansell Playground, H.S. Upper
Dedicated Usable Total	**15**	Available Natural and Synthetic turf fields

The City inventory of athletic fields totals 15 fields that are usable for regulation play, including 1 synthetic turf field to serve a population of 41,340 (2,756 citizens per field). For comparison the National Recreation and Park Association 2015 Database Analysis report (page 7) shows the national average of municipalities poled were between 7100 and 7,900 population per Multipurpose or Diamond field.

The field usage numbers only identify two facilities that receive more than 250 uses per year (Refer to Volume 3 Field Usage Summary Matrix): Bertram Field, which is synthetic and is not affected by the heavy use, and both fields at McGrath Park which is heavily used by Youth soccer programs. Altogether the usage data seems to point to the following:

Softball and Little league fields seem to be in good supply – most softball and little league usage numbers are well within sustainable levels. It should be noted however that many of the fields in the city are undersized and do not provide adequate parking nearby for players or spectators. The exception is the little league field at Forest River Park, which is intensively used, has parking, lighting and other amenities.

Baseball fields (at Palmer Cove, Gallows Hill, and Memorial field) are in great demand, but usage numbers indicate that they are well within sustainable levels. Palmer Cover and Mack Park fields are considered as the High School Varsity Baseball and Softball fields. Memorial field is used by High School JV, as well as adult leagues.

Most all of the Multipurpose Rectangular fields in the city are undersized for adult play. Bertram Field is the only field in the city that is large enough for play at or above the High School level. In addition the majority of the MPR fields in the city are isolated and/or are not configured to for large sports programs. (E.g. limited parking, unable to use multiple fields at once.) (E.g. Castle Hill MPR, Palmer Cove (outfield) and Gallows Hill),

Field Types (table 1.3C)

Existing Field Type	Qty.
Dedicated Multi-Purpose Field	6
Informal/partial fields	5
Combined Multipurpose/Diamond Fields	6
Synthetic Turf Field	1
60' Diamond Softball	8
60’ Diamond Little League	1
90' Diamond	3
(some combination fields counted separately– will not total to 20)	

Section 1.3.3 Field Usage Summary

The low usage numbers for some of the fields, along with comments from the community input section of this report seem to suggest that there is an unmet need for Multipurpose Rectangular (MPR) fields in the city. From the usage numbers, site evaluations and community comments we have documented that the facilities and conditions at many of the city fields are poor. It is suspected that players and leagues are going elsewhere to play because Salem fields are constrained by small field sizes, poor field conditions, lack of parking or lack of amenities. This shifting of use would not be reflected in the usage numbers and would be difficult to quantify without further, detailed study.

McGrath and the Forest river little league field are the only fields In the City that approach or are above the recommended maximum of 250 events per year that is sustainable with municipal level maintenance. Both these parks have the amenities and infrastructure (parking, fencing, amenities) to make high usage possible.

This information suggests that at least one larger Multipurpose Rectangular Field is needed in the city, along with improving conditions and infrastructure at existing fields, to make them more accessible, and usable.

Bertram Field

Section 1.4 Park Evaluations–Methodology & Results (Volume 4 Summary)

For Volume 4 – Park Evaluations, each of the 45 actively developed parks listed on the towns website, in addition to schools which had a park or recreation component as well as less formally

developed bike paths or city 'greens' were visited by Gale staff. Visits initially started in December and January 2014-2015 and were followed up in March 2015 and again in August of 2015 (as part of the Open Space and Recreation Master Plan Report – ADA accessibility review). The inventory and conditions of the parks, are documented in Volume 4 in a number of ways; as aerial photos that have been modified to show property boundaries, property restrictions and labels, in written assessment forms that itemize park features and conditions in detail, and as a Park Evaluations matrix – which summarizes the individual park features and conditions in table form. Assessments and Recommendations for specific parks are included in Volume 1 – Assessment Report. The intent of the detailed Evaluations is to provide town staff with a reference base and documentation of park conditions, so that conditions can be reviewed and planning efforts efficiently staged.

Inventory and Evaluation Summary Table

The summary of volume 4 is contained in the Inventory & Evaluation Summary Table, which contains an abbreviated version of the individual park evaluations as well as a comparison matrix for the parks that can be used for comparison and prioritization. The matrix provides a simple overview of each site noting general site components, conditions and prioritized recommendations for improvements.

Section 1.5 Athletic Field Maintenance Practices & Benchmarking

Athletic Field Maintenance practices and benchmarking were analyzed in detail in Appendix A. In that section common recommended maintenance practices and costs were compared to the actual Salem maintenance practices in order to benchmark where Salem maintenance compares with that of other communities. Though actual Salem city budget data is not broken out in a way that strictly isolates athletic field maintenance tasks, a comparison of the recommended field maintenance budget, and the current Parks Department budget for ALL city parks and facilities reveals how under funded the Parks department currently is. The recommended budget for JUST the athletic fields of approximately $366,000 exceeds the actual budget for ALL parks and facilities, including paved areas, pools and playgrounds by over $100,000 dollars.

Broken Bench - Layfayette Park

This underfunding was noted by the public during the community meetings, working group meetings and the on-line survey of this report. Over 70% of respondents to the online survey answered negatively to the question "Do you feel the City of Salem is currently investing enough resources and/or money into its parks, open spaces and athletic fields?" The conditions of the City parks are clearly a concern that the public recognizes.

Section 1.6 Planning Recommendations – General

Having visited the parks, and evaluating them for inventory and conditions, Gale offers the following general recommendations. These recommendations are based on our new knowledge of the parks in Salem, their characteristics, apparent usage and community comment, with acknowledgement of the desire to reduce maintenance needs while increasing the usage of city parks and the image of the city.

1.6.1 Overall usage trends and recommendations:

Reduce maintenance and Programming at under or little used parks: Every park on the Recreation Department's list was visited for the purposes of this study. A few parks on that list stood out as appearing very little used and isolated. Specifically Dibiase, Cabot Farm, McGlew and Willow Beach.

Dibiase and **Cabot Farm** parks are both located on dead end residential streets, neither has parking, and both have play equipment in neighborhoods where most residences have their own play equipment. The city should consider removing the play equipment component of these parks to save costs, as well as consider removing some of the benches and picnic spaces in lieu of more informal, passive lawn areas that are easier to maintain. Abandonment of basketball courts could be considered, as these seem infrequently used also.

Cabot Farm Park

McGlew and Willow Beach have a different character. Willow Beach really has no amenities and no access, and probably no recreation programming associated with it. It appears to be treated as neighborhood beach access, and should probably be left in this state. It is not used for formal swimming, and does not have any amenities associated with it. Consideration should be given to removing it from the list of parks, and adding it to the Open Space Inventory.

McGlew Park is in very poor condition, with outdated play equipment, abandoned features and rusted fence. It is also very difficult to find parking on nearby streets in order to visit McGlew. Consideration should be given to permanently removing the (currently unusable) tennis courts at McGlew to allow construction of a small parking area on the park interior. Though this will add maintenance costs, and will need to be patrolled for safety and loitering purposes…it will greatly improve access and use of this park, especially the ballfield.

Concentrate Tennis Programming and Use: While organized athletics, youth sports and new sports programming (e.g. lacrosse & rugby) have served to increase the demand for rectangular athletic fields, there has also been a decrease in demand for some sporting venues, especially tennis. Currently almost every neighborhood park in Salem has the same elements: A playground, a basketball court, a shade structure, an open space component, and a tennis court. In almost every instance the tennis court has been abandoned, is in poor condition and is marginally usable. In many

Salem High School Courts

instances courts have been repurposed- commonly for community gardens but also for street hockey and other informal hard pavement play.

Pickman Park Tennis court

Tennis is typically a sport that people will get in the car and drive to play. The city should consider abandoning the 'every park' installation of tennis courts and concentrate on providing a quality tennis facility with multiple courts in 2 or 3 central locations in the city. Multiple courts in a given location will allow tennis programming to be introduced if desired. For lessons or coaching a minimum of 5 courts is desired to allow coaching multiple players at once. The High School courts, and Salem Willows appear to be two sites that are particularly well suited for improving tennis facilities. The Forest River courts also have potential, if access and vehicle parking were allowed nearby. All these facilities have the potential for parking nearby, other users who would use the courts, and could be equipped with lighting to expand playing hours. Removing unused tennis courts at other parks could provide additional space for fields, community gardens or open space, as well as reduce maintenance costs. Basketball is currently much more popular a sport…but the same consideration should be given to parks where basketball use is rare or infrequent (e.g. Dibiase or Cabot Farm)

Accessible Parks: Fortunately many of Salem's neighborhood parks are relatively level in grade, allowing handicap access within and around parks. However there are very few parks that provide the accessible walkways and elements that allow a full parks experience to the less able. In addition almost all of the city playgrounds and playscapes are of a design that not only requires the less able to cross a wood chip safety surface, but requires wheelchair bound users to leave their wheel chair to fully experience the play equipment. Frequently the wood chip safety surface has settled or eroded to a degree that level access is not feasible, and access to the play equipment is effectively blocked. At a minimum accessible pathways should be provided at all parks linking park elements, and also providing walking loops for more able users. The City should also consider making at least one park a showcase for accessibility by not only providing walkways and accessible loops, but by providing fully wheelchair accessible play equipment, surfacing and site amenities. Should the demand be identified, a popular park element being added to some municipal inventories includes 'Dream fields' or 'Miracle fields' which are artificially surfaced athletic venues that are specifically designed for use by the less able.

Wheel Chair 'Transfer Station" & Settled Surface (Bowditch School)

Athletic Field Demand and Programming: Previous sections of this report and Volume 3 have discussed Athletic field demand and Programming in detail. It is thought that usage on city fields is in demand, but under represented due to scheduled uses being moved out of town or to non-town run facilities. Another facility similar to the Forest River little league field is needed in town,

as are 1 or 2 full size (230'x 380') multipurpose fields. Construction of a synthetic turf multipurpose field could alleviate this need due to the high usage synthetic turf can withstand.

Reducing Maintenance: Reviewing maintenance procedures and scope should be done on a regular basis, for established parks and especially for parks under development. Lawn areas should be designed for easy access and a minimum of trimming or fussy pruning. Materials and amenities should comply with a city standard to ease maintenance and replacement parts. Placing garbage receptacles should be carefully reviewed. Particular examples include Leslies Retreat Park, where removal of two thirds of the garbage receptacles could probably be considered without decreasing service, or Patten Park where the garbage receptacles are outdated and largely unused. Weekly emptying of a single garbage receptacle adds up to a significant annual cost.

Park Materials, Aesthetics and Imaging: Parks should be designed like parks, and provided with materials and amenities that are appropriate to the pedestrian level experience of parks. Many existing city parks are currently lighted with highway type fixtures (e.g. cobra head lights) have galvanized metal guardrails and are paved with asphalt or concrete. Standards for ornamental lighting, wood guard rails, ornamental bollards, fencing, gates and park entryways should be created and followed similar to other standards that are used for city parks.

Mack Park

Reducing Maintenance by type of Park: The urban pocket parks, urban plazas and greens listed below are fundamentally different types of parks from the larger, open parks and fields. There is typically not an active recreation component, there is typically more pavement, more ornamental plantings and a much higher intensity of usage. Consideration should be given to who is maintaining these areas. Parks staff that is geared up to maintain more open, grassed areas may be poorly suited to maintain these areas, where a DPW crew used to asphalt, mortar and concrete may be better suited.

1.6.2 Parks and Facilities Large Scale Planning Potentials:

Certain parks and facilities in the city are under or poorly developed, however could possibly be developed in ways that will allow uses to be shifted from other parks, putting facilities where they are needed and freeing up space where they are not. The High School, Gallows Hill, Palmer Cove and Mack Park are four parks that we have especially noted.

The High School appears to be one of those sites that has potential for greater development, which would take the pressures of large active recreation uses away from existing parks where a passive recreation component is missing. Outdoor athletic facilities at the high school are currently in poor condition. The tennis courts are unusable and the two athletic fields are overgrown and poorly outfitted. Renovation of the tennis facilities and fields could provide the high school with facilities on site, reducing bussing and maintenance costs, increase school image, and possibly allowing space to be freed-up at parks currently used for high school sports. Moving baseball or softball back to campus could free up areas at **Mack Park** or **Palmer Cove**.

The **lower High school field** could also be considered for synthetic turf and lights in order to increase usage and keep maintenance costs low. A field at the high school site that could withstand high usage with relatively low maintenance would provide the school with an on-site outdoor venue for soccer, field hockey, physical education and other uses that cannot currently happen at the high school easily. Preliminary studies are recommended however, as first evaluations of the high school site indicate nearby regulated wetland areas, steep slopes and possible ledge rock.

Gallows Hill and Mack Park: Both Gallows Hill and Mack park offer significant open spaces, varied topography, views, historical structures and neighborhood linkages in addition to active fields, playgrounds and parking. Both are also centrally located in the city. Both are in need of general-overall renovations and both have potential for providing walking loops and paths (Think NYC Central Park style) that are greatly in demand in the surrounding neighborhoods.

Palmer Cove

Palmer Cove is currently developed and is a popular basketball court as well as the site of the High School Varsity baseball field, community gardens and a Tennis court that appears to have been adopted by an organized Street Hockey league. Palmer Cove's location on the edge of the Point Neighborhood also makes it of particular interest as the only large park close to the Point. Any significant re configuration of Palmer Cove is contingent on the removal of the baseball field, however Improvements could still be made to the park to improve aesthetics and provide a paved walkway, loop and linkages that could provide water front views, and passive recreation areas linking Leavitt and Salem street, the waterfront and amenities within the park.

Linear Paths and Linkages between parks: Ayube bike path, Collins cove harbor walk, Downtown Harbor Walk and Canal Street bike path, (and Leslies Retreat) all provide pedestrian friendly walkways and linkages within the city. Walkable cities and linkages such as these efforts have been noted to be highly desirable to residents and have be cited in causing a trend away from living in the suburbs. Every opportunity to complete and enhance walking loops and paths around the city, within and between parks should be pursued with determination. Of particular interest would be any opportunity for extension of waterfront access downtown. Current developments with Salem Station/Footprint energy may greatly expand waterfront access…however a formal pedestrian linkage from this site, to downtown is missing.

New Parks: In recent years the city has had the opportunity to obtain properties and convert them to parks which are now an important part of the city's parks inventory. Leslies Retreat, and Peabody park are recent examples. Another park to soon be added to the cities inventory is the Bridge street extension park now (2015) under construction (to be named Remond Park). If everything works out, city may also be able to add another park to its inventory in the next few years as part of the Salem Station/Footprint Energy project, however, the effort must be made and hurdles must be overcome to make this a reality.

It should be noted that the parks inventory is becoming imbalanced in that the majority of parks are in the northern and eastern portions of the city. Consideration should be given to providing additional parks in the western portions of the city which are currently thinly served with active recreation parks. This was noted in some of the on-line survey comments.

1.6.3 Multipurpose Athletic Field Potentials:

Southern **Salem Willows** field and **Mansell Playground** offer large field sized lawn areas that are currently poorly graded and unusable for sports. These two parks may be able to be easily re-graded to a proper, and much needed Multipurpose Rectangular sports pitch, especially if earth fill is available from a nearby construction project.

Mansell Playground Field

The composite Bentley School / Memorial Park / Irzyk Park field is currently in fair to good condition. The geometry of this field would allow for a large combination Multipurpose Rectangular/Baseball Field. Synthetic turf at this field should be considered in order to allow intensive use in this area of the city, the adjacent schools, as well allow baseball uses a venue for starting play when most other fields are too wet for use.

Park Categorization (including School Properties) (some parks fall under multiple categories)

POCKET PARKS (SMALL PARKS)	URBAN PLAZAS AND GREENS
9. David Beattie Park 17. Gonyea Park 34. Patten Park 35. Peabody St. Park 42. Swiniuch Park	10. Derby Square 12. East India Square 23. Lafayette Park 24. Lappin Park 37. St. Anne's park 38. Salem Common G. Hawthorne Blvd Islands
DESTINATION/MULTIUSE PARKS	**OTHER**
13. Forest River Park 25. Leslies Retreat Park (dog park) 26. Mack Park (Ledge Hill) 40. Salem Willows 44. Winter Island Park	5. Camp Numkeag 14. Fort Lee 18. Greenlawn Cemetery 20. Highland Park / Salem Woods 29. McCabe park and Marina (boat launch) 39. Salem Maritime /Derby Wharf 43. Willow 'Beach'

NEIGHBORHOOD PARKS	ATHLETIC FIELDS
1. Bates School 3. Broad Street park 4. Cabot Farm Playground 5. Castle Hill Playground 7. Curtis Memorial Playground 8. Collins Cove 11. Dibiase Park 15. Furlong Park 16. Gallows Hill Park 19. High Street Park 21. Irzyk Park 26. Mack Park (Ledge Hill) 27. Mansell Playground 28. Mary Jane Lee Park 30. McGlew Park 31. McGrath Park 32. Memorial Park (Irzyk/Bentley) 33. Palmer Cove Park 35. Peabody St. Park 36. Pickman Park and Playground 41. Splaine Park 45. Witchcraft Heights	2. Bertram Field (H.S. stadium Field) 5. Castle Hill Playground (softball/MPR) 8. Collins Cove (softball) 13. Forest River Park (Little League Baseball) 15. Furlong Park (softball) 16. Gallows Hill Park (softball/baseball) 21/32/C. Irzyk Park/Memorial/ Bentley School 26. Mack Park (Ledge Hill) (softball field) 30. McGlew Park (softball) 31. McGrath Park ((2) Soccer) 33. Palmer Cove Park (baseball) 41. Splaine Park (t-ball/softball) 45. Witchcraft Heights (softball) A. Salem High School (Fields) B. Bowditch School (MPR Field)
Linear Parks	
D. Collins Cove harbor Path E. Ayube Bike path F. Canal Street Bike Path Also: Harbor Walk Essex Street pedestrian mall	

1.6.4 Park Amenities: Small Scale Goals & Considerations:

Pathways within parks: Accessibility code requirements require that accessible pathways be available to the various amenities within a park. Few of the city parks currently provide accessible pathways to park elements. Many do not provide accessible parking either. The city should consider developing at least one city park as 'fully accessible' with an attempt to make all park features comply and exceed accessibility requirements. At the remainder of the parks, the effort to provide paved linkages within parks should be seen as opportunity to provide a system of formal walking paths and circuits (for everyone), rather than a code mandate that must be met. Walking loops and paths were overwhelming noted in the community survey as a need within the city and these walkways will help meet this demand.

Standardization of Materials and Amenities: Past Parks development within the city has wisely used standards with regards to the materials used and the amenities placed at each neighborhood park**.** For example basketball standards at almost every park is of the same manufacture, and most neighborhood parks have similar amenities: a basketball court, a play area, a field. This has allowed a certain degree of ease of maintenance in repairing and replacing parts or park elements at parks. This standardization should continue to be a priority in the renovation of parks, and should not be seen as limiting the creativity in future park designs.

Typical Basketball Standard

Play areas & Play Structures: Many of the play structures in the city are of the same vintage and manufacture, and are situated on an 'engineered' wood chip safety surface. Play areas, if improperly maintained are a great liability to any municipality. Per Consumer Product Safety Commission (CPSC) guidelines play areas should be evaluated by a Certified Playground Inspector annually. This certification is relatively easy to obtain, and the city should consider training someone on staff to fill this role. The greater majority of parks visited had in-adequate safety surfacing which increases the cities exposure to liability both in regards to safety and ADA accessibility. Older, out of date play equipment and play equipment without proper safety surface (rubberized surface, wood chips, etc.) should be taken off line or removed immediately to limit exposure to the City...

Water Fountains: Public access to potable water was raised as a subject at a few of the master planning working group meetings. Many of the existing parks have (had) water fountains, but the majority of them observed have been permanently capped and abandoned in place. The viability of existing water services was not evaluated as part of this report. In addition 4 or 5 different

Water fountain - Concrete Filled Pipe (Forest River)

Water Fountain - concrete block (Dibiase)

types of water fountains are used at city parks, some of which appear custom made, and some which are manufactured: Concrete block with pipe, Concrete filled PVC pipe, precast stone and ornamental metal fountains are all used.

Water Fountains present a large maintenance issue as well as concerns with current Health and sanitary regulations which may require additional features such as drains to sanitary sewers.

Water Fountain - Ornamental (Salem Common)

Newer water fountain products provide the opportunity for less maintenance (remote notifications, frost free and self-shut off as well as additional features (bottle fills). Water fountains at small neighborhood parks (without an athletic component) can be considered for complete removal (e.g. Juniper Point Park) , as most people carry their own water. At larger parks, or parks with an athletic field, renovation and modernization of water fountains should be considered on an individual basis. Cost as well as standardization, maintenance, replacement and vandalism should all be considered when selecting water fountain locations and materials.

Parks and Snow Storage: The winter and spring of 2015 provided some of the most snow the region has seen in many years. Parks and facilities throughout the city were used for the storage and disposal of snow. Particularly parking areas at Fort Lee and Castle Hill Playground. All park parking areas should be designed for possible snow storage as a compatible use at city parks. Parking and lawn areas at Fort lee, Castle Hill, McGrath, Forest River, Gallows Hill, Mack Park, Salem Willows and Winter Island all have potentials for snow storage areas, if accommodations for proper drainage and cleaning of debris are made.

Winter Parks Programming: Winter parks programming was a noted request in the community survey, parks are not typically designed with amenities that are only useable during winter months, however winter parks programming can be considered for some parks, taking advantage of natural park features. For example Salem common is perhaps best suited for installation of temporary ice rinks due to its level nature and downtown location. Ponds at Greenlawn cemetery could be used for skating if patrolled. New pathways at Salem Woods and the municipal golf course are appropriate for cross country skiing and Mack Park provides open slopes for sledding.

Park Buildings: Many of the parks in the City have some sort of shade structure. Many of the larger parks have had a different role in the past, and have some combination of Historic Structures, either actively used or partially abandoned. Where these buildings are inherited by Recreation, a regular and deliberate process of evaluating the cost-benefit of maintaining these buildings should be in place and allow for deliberate action. For example some

Upper Gallows Hill Park

structures at Mack Park, Salem Willows and Leslies retreat, may be underused, or may have outlived their expected lifespan. In contrast, other buildings may be structurally sound and would be more valuable both in direct expense and in potential rental if renovated, Winter Island hanger and barracks may be an example of this.

Parks with Buildings (other than School Buildings)

PARK BUILDINGS INVENTORY	
1. Bertram Field (H.S. stadium Field)	Masonry Field House, Bleachers Pressbox, Ticket booths
3. Broad Street Park	Masonry columns & wood roof shade structure
4. Castle Hill Playground	Masonry columns & wood roof shade structure
5. Camp Naumkeag	Various wood and masonry structures
7. Curtis Memorial Playground	Masonry columns & wood roof shade structure
8. Collins Cove	Masonry columns & wood roof shade structure
13. Forest River Park (Little League Baseball)	Masonry Pool building Masonry restroom/maintenance building Wood concession/pressbox Wood Dugouts (2)
15. Furlong Park	Prefabricated Metal shade structure
16. Gallows Hill Park	Historic concrete pillar & wood roof pavilion
18. Green lawn cemetery	Historic stone office Historic stone chapel (2) metal maintenance buildings
19. High Street Park	Masonry columns & wood roof shade structure
22. Juniper Park & Playground	Cedar/Wood Gazebo
25. Leslies Retreat	Wood/Cedar Gazebo Prefabricated metal/wood ped. Bridges (2)
26. Mack Park (Ledge Hill)	Wood concession/pressbox Wood Dugouts Wood – former residence Wood former garage & shacks (3)
29. McCabe Park and Marina	Wood guard/ticket shack
33. Palmer Cove Park	Concrete Dugouts Wood Concession/Pressbox Wood restroom/function building?

35. Peabody St. Park	Metal and plastic shade structure
36. Pickman Park and Playground	Masonry columns & wood roof shade structure
38. Salem Common	Historic stone band gazebo Historic wood Archway
39. Salem Maritime	National park service maintained – various wood houses, shacks and restroom buildings
40. Salem Willows Park	(4) wood gazebo/pavilions 1 marina shack 2 charter vendor shack 1 concession building 1 restroom building (masonry) 1 wood arcade building
41. Splaine Park	Metal and plastic shade structure
44. Winter Island Park	1 masonry guard shack Prefabricated wood picnic pavilion Camp shower/restroom bldg. (masonry) Masonry Coast Guard Hanger & office bldg wood gazebo at parking (2) Small masonry utility buildings (2) Masonry events building Old Coast Guard Barracks (masonry, abandoned) Wood harbor masters shack

Winter Island Coast Guard Hanger

Mack Park - Old Residence

Charter Shack-Salem Willows

<u>Section 1.6.5 Individual Park Planning Recommendations</u>

In addition to the general park planning considerations Gale has also provided specific park by park recommendations based on the evaluations performed for each park. These recommendations are provided as Appendix B. These park by park recommendations are intended to be used with the evaluations performed in volume 4 and can be used for parks maintenance and planning throughout the city.

Section 1.7 Parks Master Planning Summary & Conclusions

Salem has a rich and varied inventory of parks, including inland open spaces, trails, waterfront, active recreation and historic buildings. In our analysis of the parks that is detailed in the four volumes of this report, we have inventoried and evaluated the city parks, how they are used and how they are maintained. From that analysis we suggest that the city consider four general goals for improving the serviceability of its parks, increasing their usage and enhancing the image of the city of Salem:

Maintain: Consider the maintenance requirements of the parks and fund maintenance programs accordingly. As with every municipality, economic pressures directly affect the quality of facilities available to the public. Parks and public works staff frequently live in an environment where resources are limited, and where no amount of creativity or ingenuity can make up for too few resources. Currently city parks are under maintained. The need for additional maintenance at the parks has been documented in a number of different ways in this report. This need was one of the most vocal comments at all the community meetings, and in the on-line survey. The City should consider expanding a few key staff resources to eliminate the use of various vendors that are currently hired for maintenance work. Some staff expansions that could be considered would include dedicated, specialized crews for the following:

Salem Common

A City Tree Crew: A dedicated crew responsible for tree maintenance throughout the city. Tree crew should include a licensed arborist and a licensed pesticide applicator. At a minimum they would be supplied with a bucket truck, chipper and proper arborist gear.

A City Turf Grass Crew: responsible for the maintenance of athletic field and high profile lawn areas, and would be properly equipped to perform mowing, fertilization, aeration, overseeding irrigation repair and topdressing necessary for maintaining healthy stands of grass. This crew would likely have a series of seasonal employees that could also maintain infield areas, stripe fields and perform other, regular athletic facilities maintenance. The foreman should be a licensed pesticide applicator. Consideration could be given to sharing funding for this crew with Salem public schools for the maintenance of their fields also.

A floating General Maintenance Crew: For regulating inspecting and repairing of parks amenities such as play equipment, shade structures, water fountains, beach maintenance, fencing,

The right people will define these positions and what the need for additional unskilled or seasonal labor will be. A skilled foreman may be able to fill numerous rolls, and seasonal scheduling can prevent layoffs during winter months that could jeopardize retaining skilled staff. Some sharing of resources with Public Works and schools should also be considered, they may have the need for a tree crew, and parks may occasionally have the need for a paving or masonry crew.

Arrange: Park Uses can be re-arranged between city parks to make the best use of resources, prevent scattering maintenance tasks through the city and concentrate certain uses in the centralized areas, which best exploit adjacent infrastructure. Tennis facilities should be limited to only a few locations in the city, and the amount of courts at those venues increased to allow tennis instruction, coaching and programs. Consideration of a similar consolidation of some basketball courts may also be appropriate. Strong consideration should also be given to moving school uses onto campus or to adjacent properties, reducing busing costs, increasing field availability to schools and freeing up needed space at city parks.

Mack Park

Improve: The facilities at some city parks are outdated, undersized or under maintained. As a result these facilities are also under-utilized. Improving the conditions at city parks will attract use and users (and increase maintenance needs). Accessible pathways and walking loops were a strong need according to the on-line survey. Providing appropriate lighting is one improvement that should be considered that allows safe use after dark, when people are home from work and using city parks. This report has documented the need to improve athletic facilities and play areas at city parks. This report also asks the city to consider improvements to certain parks in order to improve 'walkability', safety and access.

Expand: Growth is an important aspect of any economy, even the economy of recreation. The growth of City Parks is a reflection of the image and prosperity of a city. Walkable cities with linkages to public transportation are known to attract young active residents. City staff should remain aware of key opportunities to add the cities inventory of parks, and should be allowed to advocate for their purchase. Important areas of expansion in Salem include any linkages and expansion between downtown and the city's historic waterfront, dedicated bike paths, especially those that provide a 2 or 3 mile walking loop, opportunities for new parks in West Salem and opportunities to add full size multipurpose rectangular athletic fields to the cities inventory.

Appendix A

Athletic Field Maintenance Evaluation

Consideration of the resources needed to properly maintain park facilities, including available staff and the equipment used is a vital component of parks planning. Parks do not have the budget of a National Football League stadium, and cannot be Planned for in the same way. Municipal maintenance budgets are typically limited, and the design of park facilities are designed with this in mind. This section contains two parts: The first section outlines recommended maintenance practices and provides budgeting information based on those recommended practices. The intent of this first section is to provide a benchmark for comparison to the next section. The second section documents the current maintenance practices and budget for the municipally run athletic fields in the City of Salem. In order to document current maintenance practices, maintenance staff was interviewed and basic equipment inventoried in order to compare current practices with those recommended to keep a municipal level playing field in playable condition.

Section 1 – Recommended Athletic Field Maintenance Tasks

Every type of sport or use impacts wear of natural turf differently. Soccer, football, softball and baseball each dictate a different set of conditions, requiring unique management approaches, (e.g., soccer goal mouths versus football midfield and side line areas). Maintenance requirements also can vary within individual fields, based on environmental conditions, soil conditions and changes in the micro climates (sun, shade, drainage, exposure to salt, traffic, etc.). Dedicated turf managers are aware of these variations and apply maintenance accordingly. The following outlines the tasks and scheduling required to properly maintain natural turf fields, and to assist in the formulation of maintenance budgets proposed later in this section. These are general recommendations and the costs used have been obtained from various owners throughout the northeast, and generalized for the purposes of this report. Actual budgets may vary based on specific site conditions, quality of field construction and the turf manager's actual budget and time allocations. A general description of typical athletic turfgrass maintenance tasks are outlined below.

1.1 - Testing

As an integral part of the Integrated Turf Management Program for natural turf, each field should have its topsoil tested regularly for nutrient levels. Samples can normally be taken by on-site staff and sent to the UMASS Agricultural Extension Service for testing and results (www.umass.edu/soiltest/). These tests will determine the amounts of fertilizer, lime and sand topdressing that need to be applied as part of regular maintenance. Knowing these results prevents unnecessary fertilizer and lime applications, and can provide significant savings on maintenance costs and materials.

1.2 - Mowing

Turf grass in areas of play should be mowed at least weekly during the growing season to provide a suitable playing surface. Regular mowing practices enhance turf density, color,

texture, root development, wear tolerance and other key aspects of turf quality. Mowers need to be maintained regularly, should not have any fluid leaks and must have sharp blades. Mowers dedicated only for use on athletic fields are highly recommended, so that blades are maintained sharp and weed seed and potential disease is not transferred to the fields. Mowing heights are adjusted from two and a half inches (2.5") during the growing season (until mid-July), to three and a half inches (3.5") from mid-July to mid-September, and then gradually brought back down to two and a half inches (2.5"). Clippings are either mulched and left behind, or collected and disposed of, depending on the height of the cut and the thatch density targeted by the turf manager.

1.3 - Infield Maintenance - Baseball/Softball

During the spring (April-June) season, baseball/softball infields are typically dragged with a machine/drag-mat (intended for infield work) and amended to smooth and dry the infield material, as well as to adjust grades at wear areas near the bases and home plate. The batter box and foul lines are also typically painted. For baseball, the pitcher's mound is adjusted and divots repaired. This work is typically performed weekly during the regular season, and sometimes prior to every game for stadium fields or during play-offs. The infield maintenance budget should account for spring clean-up and preparation of the infields to remove leaves, weeds and replace bases.

1.4 – Irrigation

In New England, the irrigation season typically runs from June through August. During that period, each field footprint should receive one inch (1") of irrigation per week, which should be adjusted in accordance with precipitation. For a typical 90,000 SF soccer field, this equates to 54,000 gallons per week. Automatic irrigation systems should not be considered to be 'set and forget' systems. Field managers need to actively monitor irrigation to confirm proper timing, coverage and operation, and monitor irrigation with the goal of using water sparingly. Fields that are watered too much are susceptible to disease, early wear and over compaction. We recommend the use of intelligent controllers with moisture sensors. Maintenance budgets need to account for spring start-up and repair of irrigation systems, as well as fall winterization.

1.5 – Fertilizing

Fields are fertilized to provide micronutrients to the soil and "food" for the turf grass plant. Fertilization should generally be performed in the early spring and summer, and later supplemented on selected fields in the early fall, as needed. This will ensure that sufficient nutrients are available to develop healthy root zones during the peak growth period, which includes May and June. Fertilization should be directly related to soil tests performed on an individual field and as part of an overall Integrated Turf Management Program. This is particularly important for facilities that border on wetland receptors, which may be unnecessarily contaminated by over-fertilization. Once soil sample data has been obtained, fertilizer with the proper nitrogen/phosphorus/potassium (N-P-K) ratio should be applied at the recommended rates. Low solubility fertilizers, applied only at rates which ensure uptake, should be used to minimize groundwater or surface water impacts.

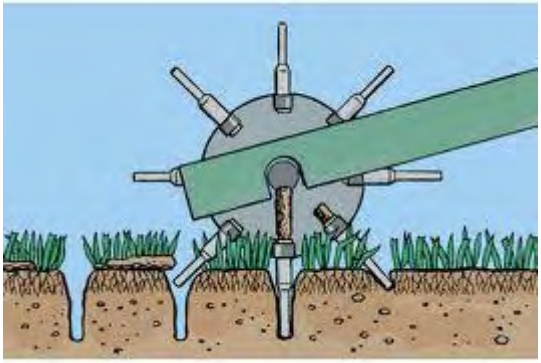
1.6 - Lime Application

Lime application is generally performed in late November, as it typically takes up to six (6) months to breakdown. Lime should only be applied to soil based on the results of the

annual soil testing recommendations. Lime is caustic and should not be applied if field use is scheduled.

1.7 - Aeration

Aeration alleviates compaction and develops deep-rooted turf. It is accomplished by creating spaces in the turf, thus allowing moisture, nutrients and oxygen to penetrate to the root zone. Aeration also breaks up thatch, which helps contribute to the organic content of the soil and breaks the mat on the soil surface. High-use fields should be aerated two to three (2-3) times per year. We recommend that six to seven inch (6”-7”) hollow core aeration equipment be used for aeration. If the intent is a long-term modification of the root zone, we recommend removing the plugs and top dressing the field with coarse sand.



1.8 - Topdressing

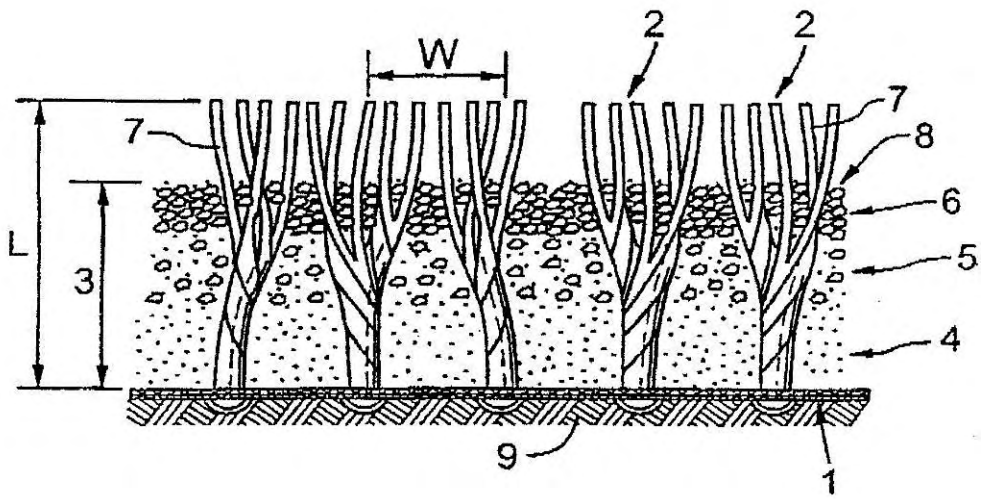
Topdressing is applied periodically, as a soil amendment, to maintain a smooth playing surface and to vary the root zone particle size distribution, which affects drainage and compaction of the topsoil. Top dressing adds soil, sand or other beneficial organic material, and soil amendments (as determined by turf needs and based on agronomic testing) to the surface of the turf. It should always follow core aerating, with the intent of working topdressing materials into the core holes.

1.9 - Over-Seeding

Over-seeding is recommended for all high use athletic fields. Over-seeding is the spreading of seed over bare areas or areas that are stressed to enhance (fill in) the stressed/bare areas, establish new turf and/or improve the condition of the turf. The type of seed used, quantity and application timing varies with turf managers’ preferences, time of year, and the goal(s) to be accomplished (quick patch or long term repair). Over seeding is typically timed to coincide with aeration and topdressing tasks.

1.10 - Pesticide and Herbicide Applications

Pesticides and herbicides should be used sparingly and only be applied by licensed applicators. Pesticides should not be applied as a prophylactic, but rather in response to an observed pest or disease, and then tailored accordingly. Instructions and timing for application of pesticides and herbicides is critical and should be strictly followed, as they are typically targeted at particular stages of growth of weeds or pests. The use of pesticides and herbicides on public properties is severely limited by Massachusetts Law. Any chemicals used must be of recent manufacture and have quick, effective results. Chemicals that may present health hazards should not be used. Approved pesticides can be found on the State University System website and are known to change periodically. Again, pesticides should be applied only as part of an overall Integrated Turf Management Program and consistent with jurisdictional policy. This is particularly true for facilities that border on water courses or wetland areas.



1.11 - Synthetic Turf Maintenance

Synthetic turf is not totally maintenance free. Typically turf only needs to be "raked" or 'groomed' four times in a typical playing season (April - November). A synthetic turf groomer is a special attachment that tows behind a gator or tractor. Grooming redistributes the sand and rubber infill, fills in typical wear spots at the goal mouths and improves field appearance. It also evens out the cushioning and traction qualities of the infill materials (typically sand and rubber crumbs). Spot sanitation and rinsing to remove bodily fluids can be done during events and should never be done in a "blanket" application. Some owners elect to do "deep" grooming, which is typical done by a vendor who has the specialized equipment. Deep grooming machines remove the sand and rubber infill, rinses and filters it and replaces it as the machine moves over the field. Magnets remove metal debris, and filters remove dust, sediment and debris from the infill. "Deep" grooming should only be done "as needed" and is not considered a regular maintenance task. Typically, turf comes with an eight year warranty, so owners should not be paying for repairs to the turf during that period.

1.12 – Recommended Maintenance Budgets for Existing or New Fields

The following anticipated maintenance costs are based on the tasks listed above. These costs have been gathered from Massachusetts municipalities over the past ten years and

Maintenance Activity	Annual Qty for municipal level Rectangular field	Annual Qty for municipal level Diamond	AnnualTask Cost ($)	Annual Maintenance Cost Rectangular	Annual Maintenance Cost Diamond
Equipment Maintenance, service, inventory, training, etc	1	1	$2,850	$2,850	$2,850
Spring Inspection\sampling	1	1	$850	$850	$850
Fertilization	1	1	$1,254	$1,254	$1,254
Spring Clean-up	1	1	$1,316	$1,316	$1,316
Pesticide/herbicide Application	2	2	$363	$726	$726
Cut grass, empty trash, restripe, rake infield	0	18	$444	$0	$7,992
Cut grass, empty trash, restripe,	18	0	$375	$6,750	$0
Aerate	2	2	$288	$576	$576
Topdress	1	1	$1,504	$1,504	$1,504
Overseed	1	1	$963	$963	$963
Irrigation	18	18	$35	$630	$630
Lime Ph Adjustment	1	1	$574	$574	$574
Winterization/leaves/irrigation	1	1	$1,638	$1,638	$1,638
** maintenance activities based on recommended municipal level regimen					
**Operational costs include resources, manpow er equipment and materials			**Total Per field**	**$19,631**	**$20,873**

represent average estimated costs, based on prevailing wage and materials rates. Gale has maintained a data base of these costs from previous municipal projects. This calculation includes an estimate of the resources, manpower, equipment and materials to perform each activity on a typical natural turf playing field. In addition to material costs, this calculation accounts for labor and overhead costs, as well as equipment utilization rates and capitalization/depreciation. The following table summarizes these calculations:

1.13 – Synthetic Turf Maintenance Costs

Typically, synthetic turf needs to be groomed four (4) times per year. This time is estimated at five (5) hours for two (2) employees, touching up infill, grooming with a tractor and turf rake, and clean-up. At $250/hour for crew and machines is $1,250 per grooming, four times per year equals an anticipated synthetic turf maintenance budget of $5,000 per synthetic turf field.

1.14 – Recommended Turf Maintenance Summary

Using these basic estimated per-field unit costs, the implementation of a typical maintenance budget for existing and proposed fields has been calculated.

ATHLETIC FIELD FACILITY	Recommended. Maintenance. Budget
Bertram Field	$5,000
Bowditch School Field	$19,631
Castle Hill Playground	$20,873
Collins Cove Playground	$20,873
Forest River Park	$20,873
Furlong Park	$20,873
Gallows Hill Park	$20,873
Mack Park	$20,873
Mansell Playground Field	$19,631
Memorial Park (Bentley School)	$20,873
McGlew Park	$20,873
McGrath Lower	$19,631
McGrath Upper	$19,631
Palmer Cove Park	$20,873
Salem Willows Park	$19,631
Splaine Park	$19,631
Witchcraft Heights	$20,873
Salem High School Upper Field	$19,631
Salem High School Lower Field	$19,631
Total Recommended Budget:	**$365,800**

Section 2 – Current City of Salem Field Maintenance & Budget

City parks and fields are currently maintained by the Salem Parks Department (PD) and the Salem School District Facilities Department (SDFD). Gale met with maintenance personnel from both City departments that are responsible for the City's parks and open spaces. The SDFD is responsible for maintaining all of the School District's facilities in the City. The inventory of the School District's facilities include: Salem High School (SHS) Upper Field, SHS Lower Field, Collins Middle School – Bertram Field, and Nathaniel Bowditch School Field. The PD maintains the remaining fields used by the City. Refer to the inventory of athletic fields maintained by the PD and the SDFD, listed below:

INVENTORY OF ATHLETIC FIELDS IN SALEM:

FACILITY	RESPONSIBLE MAINTENANCE PARTY	SCHEDULER/ CONTROLLER	CITY PARK (Y/N)
Bertram Field	SDFD	SDFD	Y
Bowditch School Field	SDFD	SDFD	N
Castle Hill Playground	PD	PD	Y
Collins Cove Playground	PD	PD	Y
Forest River Park	PD	PD	Y
Furlong Park	PD	PD	Y
Gallows Hill Park	PD	PD	Y
Mack Park	PD	PD	Y
Mansell Playground Field	PD	PD	Y
Memorial Park (Bentley School)	PD	PD	Y
McGlew Park	PD	PD	Y
McGrath Lower	PD	PD	Y
McGrath Upper	PD	PD	Y
Palmer Cove Park	PD	PD	Y
Salem Willows Park	PD	PD	Y
Splaine Park	PD	PD	Y
Witchcraft Heights	PD	OTHER	Y
Salem High School Upper Field	SDFD	SDFD	N
Salem High School Lower Field	SDFD	SDFD	N

2.1 Salem School District Facilities Department (SDFD) Maintenance Resources:

SDFD Maintenance Staff Resources:
1 – Salary Employee (Director)
0 – Full Time Support Staff
1 – Seasonal Staff

Schedule: April through October
Currently on a 12-day rotation for maintaining facilities.

Responsible Area: 106 Acres

SDFD Equipment Resources:
2 – Walk behind Mowers
1 – 21" Rotary Walk behind Mower
1 – 36" Rotary Mower
1 – 48" Rotary Mower
1 – Steiner 430 Max Tractor w/48" & 60" Mower Deck

School Department Out-Sourced Maintenance:
The School Department engages a third party contractor, Prescription Turf Surfaces (PTS), for maintenance of the Nathaniel Bowditch School field. PTS provides aeration services twice per year, maintains the irrigation system and provides general consulting for the field.

Herbicide and Pesticide application is typically out-sourced to a licensed applicator. This work is done seasonally as part of the sidewalk and roadway maintenance program.

The School District does not regularly perform topsoil testing, irrigation upkeep, or related advanced turf care (e.g. aeration, weed control, over seeding,) for their athletic fields.

School Department Maintenance Concerns
Bertram Field is classified as a City Park, though it is maintained by the School Department. The budget for the care and maintenance of Bertram Field is through the fee schedule established for user groups of the facility. It was understood through staff interviews that the fee schedule is not adhered to on a consistent basis.

2.2 Salem Parks Department Maintenance Resources:

PD Maintenance Staff Resources:

5 –	Full Time Support Staff
1 or 2 –	Seasonal Staff
Schedule:	April through October
	Currently on a 7-day rotation for maintaining facilities.
Responsible Area:	1,300 acres+
	All City Park facilities and Open Spaces not covered by SDFD

PD Equipment Resources:
2 – 54" Scags riding mowers
1 – 48" Great Dane riding mower
1 – 21" Walk Behind De-Thatcher
1 – Riding Tractor Infield Groomer

PD Materials Inventory:
25 Tons – Infield clay mix
30 Yds – Wood chips for playgrounds

Parks Department Out-Sourced Maintenance:
The PD engages a third party contractor, Greenscape of Nashua, NH, for grass cutting services for 90% of the City's Parks and Open Spaces. The PD is responsible for grass cutting operations for the remaining 10% of the City's Parks and Open Spaces which includes Forest River Park and Salem Common.

The softball field at Witchcraft Heights is maintained by the City though it is scheduled and controlled by a third party. The SDFD does not schedule uses at Witchcraft Heights.

The PD does not regularly perform topsoil testing for the City's athletic fields.
A licensed herbicide applicator is engaged seasonally.
No topdressing activities are performed on any of the fields
Over seeding is done regularly on all of the fields that are irrigated.
Aeration: The PD aerates the fields once per year for every field, with the exception being the fields at McGrath which are aerated twice per year. Additional financial support is provided by the Salem Youth Soccer program to aid in the extra effort at McGrath.

The PD does not own an aerator, but rather borrows the aerator from the golf course as well as contracts out to a third party, a portion of the aeration work.

The PD performs all infield maintenance for their facilities to include grooming and lining all fields. Though there are no volunteers that assist in physically maintaining the facilities, there is financial support from the little league program which helps in acquiring clay infield mix and the re-sodding of park turf such as Forest River Park.

Parks Department Irrigation maintenance:

The PD is responsible for all irrigation upkeep and maintenance, spring start up and fall shut down. All of the irrigation systems are on timers, or a set and forget type system, with the exception of McGrath Lower field and Splaine Park which are equipped with rain sensors.

Irrigation System Inventory:

FACILITY NAME	AGE OF SYSTEM	TYPE OF CONTROLS
FOREST RIVER	> 12 YRS	TIMER (SET AND FORGET)
McGRATH LOWER	2 YRS	RAIN SENSOR (SMART)
McGRATH UPPER	> 12 YRS	TIMER (SET AND FORGET)
SPLAINE	1 YR	RAIN SENSOR (SMART)
MACK	> 12 YRS	TIMER (SET AND FORGET)
WITCHCRAFT HEIGHTS	4 YRS	TIMER (SET AND FORGET)
PALMERS COVE	> 12 YRS	TIMER (SET AND FORGET)
MEMORIAL/Bentley*	> 12 YRS	TIMER (SET AND FORGET)

*Memorial Park's irrigation system is problematic, all controls are located in the school which makes getting to the controls difficult.

Parks Department Maintenance Concerns

The Parks department feels they are under funded. More staffing and more equipment are required to perform all the work required of them. The PD currently triage's maintenance tasks based on park condition, or amount of usage. Parks notoriously under maintained include McGlew Park and Collins Cove as compared to some of the other parks in the City due to the hierarchy of fields (primary fields vs. secondary fields) which exist in the City.

There is no inclement weather policy in place for any of the athletic fields maintained by the Parks Department. It is up to the game officials or league administrators to call off a sports event due to inclement conditions.

2.3 Parks Department Maintenance Budget (2015):

Total Parks Department Budget

PD MAINTENANCE TASKS	APPROVED BUDGET
Ground Maintenance – Cemetery (mulch, irrigation systems, repairs, etc.)	$3,800
Ground Maintenance – Parks & Rec (maintenance of City Parks & Playgrounds, benches, signs, grass seed, etc.)	$30,000
Contracted Services – Mowing (Greenscape Land Design)	$125,000
Contracted Services – Cemetery Roadside, Vegetation and Mowing	$4,950
Contracted Services – Line Painting	$15,000
Tree Planting – Cemetery/Open Space	$4,000
Grounds Keeping Supplies – DPW	$9,700
Park & Ground Maintenance (paper for restrooms, basketball & soccer netting, field paint, keys, etc.)	$10,000
Pool Maintenance (Opening and closing Forest River Pool, Maintenance & Painting Forest River Pool, Chlorine)	$12,000
Recreational Supplies (Athletic Supplies – Balls, nets; misc. supplies – replacement swings, etc.)	$12,000
Total Parks Maintenance Budget	**$226,450**
Amount of parks budget Contracted Out $144,950	

Source: FY 2015 DETAILED BUDGET REPORT EXPENSES, provided by Parks Department

The Parks Department is funded through the City Department of Public Works (DPW) with final budget numbers approved by Town Council.

Parks Department Athletic Facilities Budget

PD Athletic Field Maintenance Tasks	APPROVED BUDGET
Ground Maintenance – Parks & Rec (maintenance of City Parks & Playgrounds, benches, signs, grass seed, etc.)	$30,000
Contracted Services – Mowing (Greenscape Land Design)	$125,000
Contracted Services – Cemetery Roadside, Vegetation and Mowing	$4,950
Contracted Services – Line Painting	$15,000
Grounds Keeping Supplies – DPW	$9,700
Park & Ground Maintenance (paper for restrooms, basketball & soccer netting, field paint, keys, etc.)	$10,000
Approximate field maintenance budget 2015	**$194,650***

* cost for all parks maintenance & mowing – field's maintenance costs not broken out
Source: FY 2015 DETAILED BUDGET REPORT EXPENSES, provided by Parks Department

2.4 – Maintenance Budget Summary

Though actual city parks budget data is not broken out in a way that strictly isolates athletic field maintenance tasks, a comparison of the recommended field maintenance budget, and the current Parks Department budget for ALL city parks and facilities reveals how under funded the Parks department currently is. The recommended budget for JUST the athletic fields of approximately $366,000 exceeds the actual budget for ALL parks and facilities, including paved areas, pools and playgrounds by over $100,000 dollars.

This underfunding is evident and was noted by the public during the community meetings, working group meetings and the on-line survey of this report. Over 70% of respondents to the online answered negatively to the question "Do you feel the City of Salem is currently investing enough resources and/or money into its parks, open spaces and athletic fields?" The conditions of the City parks are clearly a concern that the public recognizes.

Appendix B

Park Recommendation Summaries

Salem Parks Recommendations

(Refer also the Parks Evaluations Summary Table)

Refer to Volume 4, detailed park evaluations for each park, and the Park Evaluations Summary table for a detailed inventory and description of each parks attributes

1. Bates School ..... 55 Liberty Hill Ave.:

Description: A small neighborhood park area on the north end of the Bates School Property. Bates school also includes two playscapes, a larger one on the north end of the school, and a small tot age Playscape on the south end of the property.

Possible Improvements:

- Provide benches at basketball Court
- Consider providing gate at street at basketball?(school Access?)
- Consider complete replacement of north Playscape area (out of date, poor condition)
- *Maintain:*
  - *Supplement/add safety surfacing at playstructure (North)*
  - *Backstops in fair condition - usable, some rust*
  - *Repair and maintain paved play area*

2. Bertram Field ..... 1 Powder House Lane:

Description: Bertram Field is a large municipal scale lighted stadium facility with a brand-new track and facility, however surrounding facility infrastructure is somewhat out of date, especially buildings and amenities. Neighboring Collins Middle school has little to no outdoor recreation space.

Possible Improvements:

- Consider major renovation of restrooms and office building for accessibility & code issues
- Update front bleacher rail for safety (guard rail) and hand rails
- Consider renovation of park entry and parking area to increase facility image.

3. Broad Street Park.....24 Jackson Street:

Description: A smaller neighborhood park located on the northeast corner of Collins Middle school property. Park area is terraced into surrounding hill, and has steep slopes on all sides including adjacent parking area. Parking generally used by the neighborhood and adjacent school.

Possible Improvements:

- Consider accessibility Improvements. (parking spaces, ramps)
- *Maintain:*
  - *Repair Picnic shelter. Columns are chipped and cracked, wood roof and structure is rotted.*
  - *Supplement/add safety surfacing, fix wood edging at Playscape. Playscape is newer and in good cond.*
  - *Wood on bench's (2) needs replacement/refurbishment*
  - *Paint and fix basketball backstops. some rust, need nets*

4. Cabot Farm Playground.....2 Kernwood Street:

Description: Small, isolated park on dead end street with only on street parking on a narrow road. Appears little used and is overgrown in places

Possible Improvements:

- *Underused Park. Consider abandonment/removal of some park elements*
- *Maintain:*
  - *Backstops are in fair condition: rusting, nets missing*
  - *Supplement/add safety surfacing. Playscape is in good cond.*
  - *Older spring riders do not meet current safety recommendations*
  - *Playscape area is overgrown, perimeter of park is overgrown*
  - *Wood/concrete benches, need new wood, are overgrown*
  - *shade structure needs structural repairs, area is overgrown*
  - *Concrete/wood fence needs repairs, new rails*
  - *Basketball asphalt is cracked and has weeds*
  - *Repair or remove Water fountain Concrete block, inoperable*

5. Camp Naumkeag .....85 Memorial Drive:

Description: Seasonal Camp run by the YMCA. Area slopes steeply toward water, exposed ledge and heavily wooded. Various wood frame and masonry block buildings. Most park facilities are out of date and do not meet current code or accessibility requirements

Possible Improvements:

- *Consider complete renovation of camp facilities and amenities.*
- *Play equipment not to current codes, Lack of safety surfacing is a safety issue.*
- *Buildings in various conditions, many in need of renovation,*
- *Safety and fire code improvements*
- *Few buildings are handicap accessible*
- *Benches in various states of repair*
- *Worn paths indicate areas for paving*

6. Castle Hill Playground .....14 Story Road:

Description: An open, active recreational park that includes a popular softball field, playground and basketball. Relatively level site with adjacent residences and wetland areas to the East

Possible Improvements:

- *Consider renovations to asphalt parking renovations, crack repair, ponding water at south end of parking*
- *Remove or replace existing Water Fountain (Concrete filled PVC pipe)*
- *Maintain:*
  - *Supplement/Add Play surfacing, Repair playground edging*
  - *Repair Wood bollards*
  - *Picnic Structure wood needs aesthetic repairs and paint*
  - *Basketball court crack and settling repairs*

7. Charles R. Curtis Memorial Park .....19 March Street:

Description: A stand alone, isolated neighborhood park. Relatively flat with access to adjacent bikeway

Possible Improvements:

- *Consider color coating Basketball pavement*
- *Maintain:*
  - *Supplement/add safety mulch. Playscape newer and in good condition, mulch has settled and is under standard thickness, and inaccessible*
  - *Remove graffiti, maintain benches;*
  - *Paint and fix basketball backstops in good condition, some rust, needs nets,*

8. Collins Cove Playground ..... 31 Collins Street:

Description: A medium size waterfront neighborhood park on the edge of the cove. This park is mostly level in grade is a popular softball field

Possible Improvements:

- *Consider general renovation of fencing, surfaces and amenities*
- *Consider abandonment/removal of tennis component*
- *Consider installation of multipurpose paved court.*
- *Consider abandonment/removal of water fountains*
- *Play equipment in need of repairs, parts replacements, swing missing. SAFETY MULCH SETTLED, BELOW REQUIRED DEPTH.*
- *Chain link fence between columns in poor condition, needs replacement*
- *Consider renovation of basketball court asphalt and backstops*
- *Consider replacement of chain link fence at seawall, rusted*
- *Maintain:*
  - *Stone columns at street need repointing/repair*
  - *Shade structure wood in poor condition, in need of repairs and paint*
  - *Lawns - need fertilizer, over seeding and weed control*

9. David J. Beattie Park .....4 Fort Ave.:

Description: Small Neighborhood 'pocket park' or 'garden park' that does not contain any active recreational elements. Park has a water easement running through its length

Possible Improvements:

- *Consider replacing wood fence with more durable option.*
- *Consider paving and curbs at parking areas east.*
- *Maintain:*
  - *Gravel paths*

10. Derby Square ..... 32 Front Street:

Description: A paved urban pedestrian square and gathering space that is part of Salem's Historic Downtown Corridor, and includes Salem's Old City Hall. Parts of the square include old alley spaces, and the southern portion of the square is developed as an informal amphitheater/seating/performance space.

Possible Improvements:

- *Consider ramp at amphitheater (south) does not have rail, is steeper than code.*
- *Consider ramp at old town hall entry may present tripping hazard (no rail)*
- *Consider replacing missing trees (Some existing tree pits are empty (2)).*
- *Maintain:*
  - *Brick and concrete: heaving and changes in grade*
  - *Concrete accent panels: spalling and cracked*
  - *Girdled root systems at trees*

11. Dibiase Park.....48 Dell Street:

Description: A small, isolated, Neighborhood park on a dead end road, that appears little used.

Possible Improvements:

- *Consider abandonment/removal of under-used features (e.g. play equipment, half court, water fountain)*
- *Maintain:*
  - *Planting beds are compacted, missing plantings and are in need of general rejuvenation.*
  - *Play mulch is settled and needs replenishment (SAFETY ISSUE)*
  - *Park sign is broken down, and needs to be reinstalled*

12. East India Square ..... 158 Essex Street:

Description: A popular urban square/park that is part of the popular Essex Street Pedestrian mall. The historic square was developed in 1976, and contains a large fountain (shaped after the City) as well as bordering shops and restaurants.

Possible Improvements:

- *Maintain:*
  - *Planting beds are compacted, missing plantings and are in need of general rejuvenation.*
  - *Brick surface has few missing/cracked bricks that need repair, settling has caused minor grade changes between concrete accents and bricks, especially east. Ornamental lighting poles are in need of paint, rust control.*
  - *Some minor masonry repair and cleaning is needed, Fountain structure has some exposed reinforcement/cracks*

13. Forest River Park..... 38 Clifton Street:

Description: A large, varied use, waterfront destination park that contains a variety of year round uses, open spaces, mature trees, walking paths, water views, athletic facilities, play areas and walkways for every type of citizen.

Possible Improvements:

- ***Historic Slide: good condition, but very hazardous: consider closing/reuse.***
- ***Playscapes: Replace peastone surfaces with wood chip safety surfacing***
- *Consider paving parking area for better organization and increased efficiency.*
- *Consider opening vehicular access & developing parking adjacent to pool building.*
- *Consider redeveloping or abandoning tennis courts at this site (too remote from parking)*
- *Consider renovations to pool building for accessibility and code upgrades.*
- *Consider renovation of maintenance building (north) for accessibility.*
- *Pool: Replace rusted fencing*
- *Little League: remove broken bleachers and bleachers on sloped surfacing (unsafe)*
- *Consider enhancements to entry sequence to park (e.g. entry walls, masonry & signage)*
- *Maintain:*
  - *Repair picnic benches, wood and paint*
  - *Repair water fountains at pool and baseball. Remove other water fountains*
  - *Repair walkways adjacent to beaches, improve beach access north.*
  - *Trees: Many large mature trees, some dead trees and large dead branches. Landscape in general needs rejuvenation/upgrades for future health*
  - *Basketball Court: asphalt cracked, faded surfacing. Rusting, but usable backstops.*

14. Fort Lee .....100 Memorial Drive:

Description: A piece of undeveloped, forested land immediately south of Salem Willows Park. This park is undeveloped except for single track foot paths, historic earthworks and a gravel parking area on the east side that is used for Salem Willows overflow parking and snow storage.

Possible Improvements:

- *Consider clearing east side of park to restore historic views.*
- *Consider developing historic features of this site.*
- *Consider removal of underbrush and invasive species*

15. Furlong Park ..... 20 Franklin Street:

Description: Furlong park is a medium size, waterfront neighborhood park with a popular softball field that draws users from throughout the city. Furlong was recently fully renovated, with landscape, facilities and interpretive signage and is in generally excellent condition.

Possible Improvements:

- *Consider widening street for additional parking width*
- *Basketball Court, Tennis and shade structure- newer and in great condition*
- *Maintain:*
  - *Supplement and maintain settled wood chip surface and Play Equipment*
  - *Benches and picnic benches, newer some chips in powder coating, good condition*
  - *Walks and Pavements - newer in good condition*

16. Gallows Hill Park.....53 Hanson Street:

Description: Gallows Hill (aka Ledge Hill) is a large varied terrain neighborhood and destination park that is basically split in two by a steep wooded slope. The upper park contains an older picnic structure, play equipment and open fields. The lower park contains two baseball diamonds, a play area, a skate park and a 40-50 car parking area. The lower park is immediately adjacent to Mansell Park.

Possible Improvements:

- *REMOVE or complete renovate upper Gallows play equipment (older, no safety surface)*
- *Consider complete renovation of upper Gallows park areas.*
- *Replace or Completely remove water fountains at upper Gallows (concrete block, in-operable)*
- *Consider adding accessible walking pathways throughout park and open space areas.*
- *Complete reconstruction of skate park with modern design. (currently unusable)*
- *Consider complete reconstruction of lower field areas, fencing and backstop, add irrigation*
- *Maintain:*
  - *Upper Gallows: Picnic Shelter: columns need paint and repair. Historic structure.*
  - *Lower Gallows Playscape in good to fair condition*
    Supplement settled safety surface
  - *Asphalt walkways: widen, clear overgrowth and repair heaves and dips.*
  - *Parking: repair asphalt, repair perimeter fence and rocks to prevent driving on fields*
  - *Provide decorative safety/use lighting in lieu of utility lighting*

17. Gonyea Park .....41 Northey Street:

Description: A very small, isolated, neighborhood park/open space at the end of a dead end street. Surrounded by multifamily housing. This park has some newer elements and 6 off street parking spaces which appear to be used by adjacent residences.

Possible Improvements:

- *Consider complete removal of Water fountain (newer precast stone)*
- *Maintain:*
  - *Playscape in good to fair condition*
  - *Supplement Wood chip mulch settled, needs renovation*
  - *Benches, and tables*
  - *Concrete walks, cracked and settled - repair tripping hazards*
  - *Lawn areas, weeds and crabgrass – renovate, fertilize, and over seed*

18. Greenlawn Cemetary .....57 Orne Street:

Description: A large, historic and active cemetery with mature trees and monuments that is popular with walkers and joggers.

Possible Improvements:

- *Prune, maintain and replace trees*
- *Renovate historic chapel building (access & use)*
- *Consider historic/interpretive signage/mapping*
- *Provide screening for maintenance yard areas*
- *Maintain:*
  - *Perimeter fence needs repair or paint in locations*
  - *Benches need wood replaced, painted.*

19. High Street Park..... 2 High Street:

Description: High Street park is a medium sizes urban 'back lot' park that is fully developed. It is located between adjacent multifamily housing, a church and adjacent businesses.

Possible Improvements:

- *Supplement/Maintain Play area surfacing and equipment. Equipment is in good cond. Safety mulch settled, and wood edging needs renovation*
- *Replace/ Repair Chain link fencing, bent and bowed (plowing?)*
- *Maintain:*
  - *Walkways, asphalt, needs crack repair, and root repair in locations*
  - *Basketball backstops rusted, and bent, needs repair and paint*
  - *Picnic Shelter in poor shape. Consider full removal or complete renovation.*
  - *Trees: trim up for security and air circulation*

20. Highland Park/Salem Woods..... 75 Wilson Street:

Description: Highland Park/Salem is a large, natural wooded open space park with a primitive dirt trail and board walk system adjacent to Salem Woods Golf course.

Possible Improvements:

- *Consider accessible boardwalk loop.*
- *Consider wetland viewing platforms or towers.*
- *Maintain:*
  - *Trails and board walks, Triming and repair*

21. Irzyk at Memorial Park ..... 17 Fort Avenue:

Description: Irzyck Memorial park, Memorial Park and Bentley school are all the same site and are indistinguishable as separate parks to all but city staff.

SEE BENTLEY SCHOOL EVALUATION

22. Juniper Park and Playground.....28 Beach Ave:

Description: Juniper park is very small isolated neighborhood park, that you wouldn't know about unless you knew where it was. Adjacent buildings abut right against park boundaries.

Possible Improvements:

- *Consider complete removal of water fountain (newer precast stone)*
- *Supplement/maintain Play surfacing and equipment. Equipment is in newer, good condition, Wood mulch has settled, and needs restoration, Wood edging is heaved, needs minor adjustments*
- *Maintain:*
  - *Benches, wood/concrete benches need wood pieces replaced, paint.*
  - *Basketball: Asphalt needs minor crack repairs, backstops need paint and nets.*
  - *Shade structure: trim and roof repairs*

23. Lafayette Park ..... 124 Lafayette Street

Description: Lafayette Park is a highly groomed, urban 'green', with passive recreation uses, lawns, mature landscape trees and multiple memorials. The park is surrounded by three intersecting streets with on street parking on the park side of the street.

Possible Improvements:

- *Tree trimming and possible removal/culling*
- *Maintain:*
  - *Concrete and wood benches: various wood slats need replacement*
  - *Metal and wood benches: One bench metal end needs replacement*
  - *Stone dust paths need trimming and weed removal*
  - *Tree trimming and possible removal/culling*

24. Lappin Park.....112 Washington Street

Description: Lappin park is a small urban square at the intersection of Essex Street and Washington street that is probably the most recognizable park in the city to outside visitors.

Possible Improvements:

- *Consider Replacement of Water fountain: with more accessible model ornamental metal, operational*
- *Maintain:*
  - *Highly used park. Some bare spots in turf west*
  - *Some brick curbing damaged, missing*
  - *Ornamental light poles: paint and cosmetics*

25. Leslie's Retreat Park.....71 North Street

Description: Leslie's retreat is a newer (2010) large linear passive open space park that is constrained by the railroad ROW to the south and the adjacent North river. Leslie's Retreat is known for its popular dog park as well as it the walking/ jogging route it provides.

Possible Improvements:

- *Renovate: Dog park gates: too narrow for wheelchair access*
- *Replace Dog park lighting: Replace miss aimed lights with ornamental lighting*
- *Remove: Excessive trash receptacles: remove many to reduce maintenance.*
- *Consider opportunities for littoral plantings in adjacent North River*
- *Provide formal rain/shade shelter within dog park area.*
- *Maintain:*
  - *Repair damaged bench slats (various)*
  - *Exposed bolts at shade structure*
  - *Walkways: Asphalt, heaving at picnic structure, settling/holes at bridge abutments*
  - *Irrigation: abandoned system intended for landscape establishment Remove heaved/exposed irrigation pipe.*
  - *Remote areas of park appear to be a favorite spot for homeless – consider improvements for patrol car access.*
  - *Tree work, removed & replace dead trees. discourage weed whacker tree girdling.*

26. Mack Park / Ledge Hill ..... 29-37 Grove Street

Description: Mack park is a large, mostly open space park on the top of prominent hill in central Salem. The perimeter of the park is noted by steep wooded slopes, exposed ledge and adjacent residencies. The center of the park contains the former Mack estate, various utility/out buildings and a softball field utilized mostly by the high school girls' softball team.

Possible Improvements:

- *Consider removal of outbuildings & unused shacks.*
- *Consider addition of permanent or portable sanitary facilities*
- *Consider repurposing/efficient use of former estate building*
- *Consider addition of formalized perimeter walking paths and pedestrian access to street.*
- *Supplement/Maintain wood chip safety surface, edging and Play equipment*
- *Repair Stone masonry entry columns east and west*
- *Renovate(or consider removal of) Basketball, add 8' fence at NW perimeter to prevent balls down slope*
- *Replace guard rail/bollard system with park appropriate materials*
- *Replace old field irrigation heads and controls.*
- *Maintain:*
  - *Tree work: maintain trees, remove dead and dying*
  - *Water fountain (at Playscape) Concrete block, repair or remove*
  - *Perimeter park areas and walk access at streets*
  - *Update handrails at stairs and ramps.*
  - *Softball field and amenities:*
  - *Areate, topdress and overseed athletic field areas*

27. Mansell Playground ..... 50 Proctor Street

Description: Mansell park is a street side open grass field of varied topography, with a basketball court which is generally considered as the eastern part of Gallows Hill Park.

Possible Improvements:

- *Consider re-grading field areas for use as formal sports pitch.*
- *Replace or completely remove Water fountain (concrete filled PVC pipe) Not operable.*
- *Maintain:*
  - *Repair & Replace: Wood bollard guards at street*
  - *Basketball surface and Backstop aesthetic improvements, crack repair*
  - *Exposed utility manholes: adjust and bury*

28. Mary Jane Lee Park .....41 Palmer Street

Description: Mary Jane Lee Park is a small, excessively popular urban neighborhood park in the Point section of Salem. This park provides shade, adult gathering areas and youth active areas and is truly a gathering center for the Point community. Recently installed splash-pad is currently the only splash pad in the city.

Possible Improvements:

- *PROVIDE acceptable playscape surface: replace sand with safety surfacing*
- *Consider additional ornamental park security lighting*
- *Document splash pad operation and maintenance for reference and benchmarking for future similar amenities.*
- *Maintain:*
  - *Playscape repair and graffiti maintenance*
  - *Bench repairs and maintenance needed*
  - *trim trees for visibility/security*
  - *Perimeter access & security fencing*
  - *Water fountains: new, operational*

29. McCabe Park and Marina.....24 Kernwood Street

Description: McCabe Park & Marina is a popular, and well accommodated boat launch on the North End of the City. It also has an undeveloped path and little known open space/park area north of the boat launch. The boat launch and adjacent open space areas are steeply sloped and exposed ledge rock as well as panoramic views of Danvers River.

Possible Improvements:

- *Install porta potty corral. Provide accessible porta-potty unit.*
- *Consider adding picnic/seating areas on east edge of parking area.*
- *Consider updating walk and seating areas south & east. This area has great potential if developed further as a park, and made accessible*
- *Boat launch: a good boat launch with steep slopes and accessible (but steep) grades due to tide differences.*
- *Consider ornamental security fence at street in lieu of chain link.*
- *Consider installing ornamental lighting within parking area in lieu of shack mounted wall-packs.*
- *Maintain:*
  - *Boat Launch facilities*
  - *Consider complete renovation of asphalt parking within 10 years.*
  - *Consider complete renovation of marina pier within 10 years.*

30. McGlew Park ..... 201 ½ North Street

Description: McGlew park is a medium size neighborhood park, surrounded by residences, in the north west side of the city. Use of the park is largely restricted by poor access as the result of its back-lot location and lack of parking, on site, and on neighboring streets.

Possible Improvements:

- *Consider Total Renovation of park due to current poor conditions, and poor access.*
- *Consider adding parking and vehicle access within park area.*
- *REMOVE & Replace: Play Equipment-very poor condition, no safety surfacing*
- *Remove or Renovate: Tennis/street hockey court: Very poor condition, pavement cracked and heaved, fencing broken, overgrown, unusable.*
- *Replace softball backstop, safety and park perimeter fencing, (rusted, broken)*
- *Remove or Repair Water fountain: Concrete filled PVC pipe.*
- *Maintain*
  - *Basketball court: asphalt in fair condition, some cracks, faded surface. Uprights rusting, needs nets and paint*

31. McGrath Park ..... 46 Marlborough Street

Description: McGrath park is a popular park for youth soccer uses, because of off street parking and field layout. The park was recently renovated and has current playscapes, fencing and parking areas, as well as undeveloped (and largely inaccessible) wooded/wetland open spaces to the east and south

Possible Improvements:

- *Consider installing paved perimeter walking path*
- *Maintain:*
  - *Aerate, fertilize, topdress and overseed field areas to maintain field quality.*
  - *Maintain and evaluate operation of Irrigation systems regularly*
  - *Supplement/Maintain play surfacing and equipment*

32. Memorial Park ..... 17 Fort Avenue

Description: Memorial Park, Irzyck, and Bentley school are all the same site and are indistinguishable as separate parks to all but city staff.

SEE BENTLEY SCHOOL EVALUATION

33. Palmer Cove Park and Playground..... 30 Leavitt Street

Description: Palmer Cove park is a larger, downtown, waterfront neighborhood park, devoted mostly to active recreation that also serves as Salem High School's varsity baseball field facility.

Possible Improvements:

- *Renovate: Walking paths and site lighting. Extend walkways adjacent streets, provide walking loop within park. Provide ornamental lighting and seating areas.*
- *Replace: bent and rusted fencing*
- *Rebuild/Repurpose Fully renovate and convert Tennis court to Street hockey: currently asphalt and fencing are in poor condition, Asphalt is cracked, surface faded, various markings on pavement. This is a popular street hockey venue that is maintained by a passionate, but loosely organized group of users.*
- *Consider full renovation (or relocation) of baseball field. Renovate dugouts, fencing, pressbox, lighting, and infield areas.*
- *Add: additional tree plantings at waterfront and north.*
- *Consider adding a Playscape area.*
- *Maintain:*
  - *Basketball: Asphalt surface and backstops in good condition. Some cracks in asphalt. backstops are rusting, need nets.*

34. Patten Park..... 41 Buffum Street

Description: Patten park is a very small street corner park, with mature shade trees, lawn, landscape planting and four older benches.

Possible Improvements:

- *Remove garbage receptacles...poor condition, uneven, unsightly.*
- *Maintain:*
  - *Wood rail fence is in good condition, could use minor repairs and paint*
  - *Lawn areas: Fair condition some bare spots/thin-ness*
  - *Shade trees: pin oaks could use some pruning*
  - *Benches: fair condition, replace wood slats, repaint*
  - *Gravel Walkways: fair condition, could use touch up*

35. Peabody Street Park..... 15 Peabody Street

Description: Peabody park is a new (2013) harbor front park that was constructed off of the new harbor walk. The new park is provided with portion of the harbor walk as well as a small play area, shade structure, trees, landscaping and benches.

Possible Improvements:

- *Maintain:*
  - *Repair Shade structure roof*

- *Landscape maintenance needed: trim grasses, reset or replace bent and damaged trees.*
- *Ornamental grass bed west: consider relocating overgrown benches, lighting and bike rack out of this landscape bed.*
- *Repair/replace decorative tiles on concrete walls.*
- *Skateboard damage (waxing) on concrete walls - add 'skate stoppers'*

36. Pickman Park Playground ..... 20 Lincoln Road

Description: Pickman is a medium size neighborhood park on the south end of town that abuts the Forest River with an informal beach area, playscape, basketball and lawn areas

Possible Improvements:

- *Supplement/Maintain: Play equipment: wood mulch has settled, wood edging rotting in places, exposed metal stakes*
- *Renovate: Provide accessible walkway/route;*
- *Consider full removal of tennis court & fencing*
- *Consider full removal of water fountains (currently inoperable)*
- *Maintain:*
  - *Fence at street: Replace damaged posts and wood rails*
  - *Tables and benches: poor condition, wood slats and paint needed*
  - *Basketball, fair condition, cracked, faded, east backstop is out of plumb, needs nets*
  - *Shade Structure: Fair condition: wood needs repair and paint*

37. St. Anne's Park ..... 279 Jefferson Road

Description: St. Anne's Park is a small triangular shaped public green/park space in a residential area.

Possible Improvements:

- *Remove/Replace: Chain link fencing*
- *Maintain:*
  - *Open Lawn areas, aerate, overs seed and fertilize*
  - *Renovate: Garden/monument area - Empty?*
  - *Repair: Walkways, Asphalt in fair condition, some root heaving*
  - *Benches, some wood slats need replacement/painting*
  - *Tree work needed pre-emptively*

38. Salem Common ..... Washington Square

Description: Salem common is a large New England green that is the heart of the city. The park hosts various events during the year and includes mostly passive recreation uses and organized events, with a large playscape and basketball court area on the Northeast corner.

Possible Improvements:

- *Maintain:*
  - *Playscape: some damaged events/exposed fasteners*
  - *Lawns: aerate and over seed to alleviate compaction*
  - *Water fountains: Metal ornamental, operational*
  - *Walkways/high wear areas need more regular maintenance*
  - *Unify materials and equipment styles*
  - *Perimeter fence: repair and replace (in progress)*
  - *Tree work: regular maintenance*

39. Salem Maritime / Derby Wharf National Historic Site ..... 193 Derby Street

Description: Salem Maritime Historical site a former waterfront wharf and commercial center of early Salem. It is run by the National park service and provides an important link to Salem's Maritime Heritage

Possible Improvements:

- *Many of the park elements are newer, well maintained and in good conditions*
- *Seawall shows some erosion/storm damage from the previous winter*
- *Some high-wear areas that are compacted and bare of turf*

40. Salem Willows Park..... 200 Fort Avenue

Description: Salem Willows is a large, very diverse waterfront park that has previous history as an amusement park with various arcade, marine and food vendor leased buildings. Salem Willows also has beaches, wharfs, open lawn areas and is a very popular spot for summer picnicking.

Possible Improvements:

- *Consider major renovation of Southern areas of the park to increase parking, renovate tennis, fields and Dead Horse Beach area.*
  - *Consider full renovation of tennis courts as community tennis destination, including lighting and amenities. Currently tennis: poor condition, asphalt heaved, cracked, fencing rusted, bowed, not handicapped accessible.*
  - *Maintain/Renovate Basketball courts: Currently in fair condition, some minor pavement cracking, very faded surfacing. Backstops need paint, maintenance.*
  - *Repair: Seawall and bluff safety rails/improvements needed, especially south*
  - *Repair: Seawall/access middle/south is unsafe and needs remediation*
- *Maintain:*
  - *Picnic structures: repair wood, repaint & maintain*
  - *Vendor shacks: various conditions of repair*
  - *Restrooms: older and not to current codes*
  - *Vendor buildings (arcades) in need of renovations*
- *Repair or Remove: Water fountains:*
  - *North: Metal, newer operationa*
  - *South: Concrete block, Inoperable, repair or remove*
- *Wood pier will need renovation within 5 years*
- *Asphalt walks Good condition, cracked and heaved in places*
- *Benches: Various conditions, some wood slats need replacement*

41. Splaine Park..... 23 May Street (rear)

Description: A medium sized isolated, recently renovated, neighborhood park with both active and passive recreation elements.

Possible Improvements:

- *Supplement/maintain wood chip surfacing at swings, settled, divots.*
- *Splaine Park was recently renovated and is in good condition*

42. Swiniuch Park ..... 128 Derby Street

Description: Swiniuch Park is a very small, postage stamp size, park on a street corner in historic maritime district of Salem

Possible Improvements:

- *Continue to maintain. Park has few amenities other than planters, stone benches and brick walks.*
- *Remove or replace: Existing water fountain base? - abandon properly to avoid tripping hazard.*

43. Willow Beach ..... 24 Willow Avenue

Description: Willow beach is a waterfront access beach on the inner harbor that is not provided with lifeguards or amenities. No above-tide line areas are available, the beach is defined by a high seawall and adjacent residences and businesses. At high tide, 95% of the beach is underwater.

Possible Improvements:

- *Consider abandonment as a Park?*
- *Beach is isolated, and little known except to immediate neighbors.*
- *No amenities. Access to beach level is not to code (no rails or accessible ramps)*

44. Winter Island Park ..... 50 Winter Island Road

Description: Winter Island Park is a large, varied water front open space park that offers a popular beach and boat launch, and harbor masters shack, as well as camping, a historic fort, and a former coast guard station. Winter Island facilities are commonly rented for events and weddings on and off season, and the pier provides some of the best views available of Salem Harbor, Marblehead, and portions of Massachusetts Bay.

Possible Improvements:

- *Consult current master plan for Winter Island Improvements*
- *Renovate former coast guard buildings. Buildings are in v. poor condition and are in need of renovations.*
- *Maintain. Beach and camp areas are well appointed and are very popular.*
- *Fort Pickering is largely overgrown with invasive species.*

45. Witchcraft Heights ..... 1 Frederick Street

Description: Witchcraft Heights is an elementary school that has a popular softball/baseball field as well as typical elementary school amenities such as play equipment and a paved basketball court.

Possible Improvements:

- *Supplement/Maintain playscape mulch. Mulch is settled and devoted.*
- *Consider providing a fully skinned area at ballfield*
- *Near future: Resurface Basketball. Court and field currently in good condition*
- *Galvanized chain link fencing in good condition*

46. Hawthorne Boulevard Islands..... 1 Frederick Street

Description: Large open boulevard Island with open lawn, landscaped trees, memorials and walkways

Possible Improvements:

- *Consider providing benches. Hawthorne provides a relatively quiet rest area between Essex Street and the waterfront.*
- *Enhance Pedestrian lighting.*

A. Salem High School ..... 77 Wilson Street

Description: Salem High School site has varied topography and shares its property with Bowditch school. Site includes 5 asphalt tennis courts that are on the SW corner of the site, and two natural turf rectangular fields are located on the south end of the site with an asphalt basketball court. Bowditch school and field is located to the north and east of the existing high school building..

Possible Improvements:

- *Consider reconstruction and expansion of existing outdoor facilities to bring athletic events back onto campus, reduce bussing and improve school image.*
- *Consider Full renovation of tennis courts. Consider lighting and amenities to make this a community focus tennis facility., Currently courts are unusable.*
- *Minor renovations to basketball court. Paint, surfacing and fencing renovations.*
- *Upper field, overgrown, Isolated, un-usable.*
- *Lower field, unevenly graded, poor fencing access and amenities.*

B. Bowditch School ..... 79 Wilson Street

Description: Bowditch School is part of the Salem High School Campus property. Bowditch School, its field, play areas and building are NE of the high school building adjacent to Wilson St.

Possible Improvements:

- *Continue to maintain natural grass field. Field is sized for middle school play. Fencing restricts use and keeps field in good condition. Topdress to eliminate bare spots and low spots caused by normal wear.*
- *Supplement/ Maintain mulch surfacing at Playscape. Playscape is newer in need of minor repairs.*

C. Bentley School/Irzyk Memorial/Memorial Park ..... Memorial Drive & Fort Ave

Description: Bentley school shares it property with memorial and Irzyk Memorial parks. The school occupies the Northern parts of the property, and includes a full size combination baseball/multipurpose field and playground, while the portions of the site adjacent to Fort Ave, contain the park components, included play equipment, a basketball court and a memorial military armored tank.

Possible Improvements:

- *Replace older, out of date play equipment, surfacing and edging.*
- *Supplement/ Maintain Wood chip surface settled, poor condition, exposed concrete footings, changes in grade limit accessibility.*
- *Repair Stone column perimeter columns & fence, fair condition, replace missing columns*
- *Add gates to limit vehicle access.*
- *Regrade, renovate and reseed athletic fields to reduce compaction and eliminate puddles and bare spots. Fill swale areas south to expand size of multipurpose play.*
- *Replace, renovate irrigation system*

D. Collins Cove Beach and Tracy walking/bike Path..... Webb Street & Collins Cove

Description: Tracy walking path is an east-west spur of the Ayube Memorial (route 107) bike path that includes open water front and (non-lifeguard) beach along southern Collins Cove.

Possible Improvements:

- *Formalize eastern linkages to Salem Willows/Winter Island & historic waterfront*
- *Formalize beach access?*
- *Fix or Remove, Water fountain: Concrete filled PVC pipe, currently inoperable.*
- *Asphalt and gravel walks in generally good condition*
- *Maintain Pedestrian lighting, ornamental, good condition, not dark sky compliant, glare*
- *Maintain Lawn areas, fair condition some shore erosion, weeds, bare spots*
- *Beach, sandy, no life guard,*
- *Sea wall, concrete, needs aesthetic/preventative maintenance*

E. Ayube Memorial Drive bike Path.....(aka Bridge St. Bypass Bike Path)

Description: Linear park adjacent to the bypass with a 10' wide asphalt off street bike path and accent park areas at streets that dead-end along the path.

Possible Improvements:

- *Path and elements are newer and in good condition.*
- *Additional links and continuations are the best potential for this path*

F. Canal Street bike Path..... Salem State between Canal St. and Lafayette

Description: Linear park, former rail bed with a 10' wide asphalt and stone dust bike path with continuation into Marblehead along Salem harbor.

Possible Improvements:

- *Improve pedestrian lighting at intersection of Loring St.*
- *Path and elements are newer and in good condition.*
- *Additional links and continuations are the best potential for these paths*

Appendix C

Schematic Design

SCHEMATIC DESIGN

As part of the scope of the Master Planning Study three parks were chosen for further study. The three parks chosen were McGlew Park, Gallows Hill Park and Palmer Cover Park. Each park was looked at as a candidate for complete redesign and renovation of existing park elements. These three parks were chosen for specific reasons such as current need, size of park and potential impacts on the surrounding neighborhood. A schematic master plan layout was created for each park and cost estimates were performed to assist in formulating pre-design budgets for the proposed work at each site.

As early, predesign budget estimates, the numbers provided include contractor's mobilization, and insurance, a 15% contingency and 7.5% for soft costs, (for design fees, testing and permitting fees, etc.). Though inflation is currently very low, an additional 2% of cost escalation should be added to these budget estimates for every year after 2015. Property acquisition or fees involved with deed clearances are not included in the estimated costs for the parks.

#31 Mc Glew Park

McGlew was chosen for additional planning because of the critically poor condition the park is currently in, as well as the potential for some significant changes to the park that could make the park more user friendly. This park is ripe for a complete overall. Play equipment is out of date and in poor condition, the existing tennis court is essentially abandoned and use of the softball field is limited because the only parking available is on the adjacent residential street. The goal of any renovation would be to increase site access by adding parking, renovation of Play areas and reconstruction of the softball and basketball fields.

The intent for this renovation is to provide increased access to the park by providing parking and restoring the same basic neighborhood park functions that the park had previously. Changes we would propose include: Complete renovation of the ball field and site fencing. Removing the existing tennis courts completely, Relocating the basketball court and play areas and providing a small parking lot (20-30 cars?) on the interior of the park, to take pressure off of already difficult on street parking.

COST ESTIMATE

McGlew Park Renovations: In estimating the project costs for this improvement project the following items were included in the scope of the budget estimates.

Athletic field and Parking Renovation numbers include costs for demolition of the existing field, the existing basketball and tennis courts, the play equipment, and all existing park amenities. Proposed improvements include reconditioning the existing ball field, a new backstop, new asphalt driveway, parking area, parking area lighting and walkways. Also included is ball field safety netting (to protect parking, and play areas from long-balls) and asphalt walkways around

the site. This item also includes some clearing and earthwork to provide additional area around the new field.

Play scape and Basketball Renovation line item includes the installation of a new Playscape and safety surface as well as a relocated basketball court. Replacment of the tennis court and water fountain is not proposed.

Opinion of Budget Costs:

Item	Cost
Athletic Field Renovations & new Parking	$562,000
Playscape & Basketball Improvements	$316,000
TOTAL	**$878,000**

McGlew Park
PARKING FOR 20
DROP OFF
EXISTING TREE
PLAY AREA
BASKETBALL COURT
SOFTBALL FIELD
1" = 90'

McGlew Park
PARKING FOR 20
DROP OFF
EXISTING TREE
PLAY AREA
BASKETBALL COURT
SOFTBALL FIELD
170'
CRESSEY AVE
RIDGEWAY ST
BALCOMB ST
1" = 90'

#33 Palmer Cove Park

Palmer Cove Park was chosen for additional study because it is located in an important part of the city with regards to the adjacent Point Neighborhood and the adjacent waterfront. Except for the basketball court which was recently renovated Palmer Cove park has been generally neglected. The existing baseball field is lighted and is the home field for Salem High School. The park also has an abandoned tennis court that is utilized mostly by a local street hockey league, which performs some of its own maintenance on the courts, including the court lights. Any development of Palmer cove will require consideration of flooding, as the entire site is within the flood zone for the adjacent harbor.

Key to any redevelopment of Palmer cove would be the redevelopment or relocation of the baseball field to another site. Other goals for improvement include improvements to the waterfront stroll, improvements to the community gardens, and formalizing pedestrian linkages from Salem and Leavitt Streets. Goals would also include formalizing the street hockey court and community garden areas. Ornamental lighting and formalized linkages would restore this park as a neighborhood park for active and passive recreational uses.

Changes we would propose include: Replacing baseball with a Multipurpose Rectangular field / great lawn, installing a street hockey court with fencing and lighting, improving the waterfront stroll, adding a play area and adding lighted walkways and linkages to the various streets bordering the park. Other amenities to consider (that are not included here) would be the consideration of synthetic turf and new athletic lighting to increase usage of the multipurpose field.

COST ESTIMATE – Palmer Cove

Palmer Cove Park Renovations: For Cost Estimating purposes the following items were included in the scope of the budget estimates. No work to the existing basketball court is proposed. Costs for relocation of the baseball field to another location are not included here.

Athletic field renovation numbers include costs for demolition of the existing field, all on site fencing and pavements as well as the construction of a natural turf rectangular multipurpose field, which includes costs for a new irrigation system, fencing at each end of the field and seeding the field as turf.
Street Hockey Renovation costs include the demolition of the existing tennis court pavement and lighting as well as costs for new pavements, color coating, dasherboards fencing and basic lighting as well as costs for electrical connections and lighting controls.
Park and Playground Northeast costs: This area of redevelopment includes costs for cleaning up some overgrowth along the park perimeter as well costs for a new Playscape, new lawns, trees and landscaping.
Walkways and Connections: This portion of the proposed work includes a perimeter asphalt walkway around the site as well as connections to Salem and Leavitt Streets. This line item includes benches, pedestrian lightings, an allowance for reconfiguring the community gardens, as well as a line item for a new gazebo structure along the shoreline.

Opinion of Budget Costs – Palmer Cove:

Item	Cost
Athletic Field	$701,000
Street hockey	$343,000
Park and Playscape NE	$292,000
Walkways and Connections	$557,000
TOTAL	**$1,893,000**

Palmer Cove Park
PLAY AREA
BENCHES
NEW TREES
GAZEBO
COMMUNITY GARDEN
PICNIC AREA
NEW FIELD
LAWN
210' x 360'
STREET HOCKEY FIELD
1" = 80'

Palmer Cove Park
PLAY AREA
BENCHES
NEW TREES
GAZEBO
COMMUNITY GARDEN
N
PICNIC AREA
PIONEER TERRACE
LAWN
NEW FIELD
210' x 360'
LEWITT ST
CHASE ST
SALEM ST
STREET HOCKEY FIELD
1" = 80'

#16 Gallows Hill Park

Gallows Hill has a number of distinctly separate areas including Upper Gallows, Lower Gallows and Mansell Playground as well as undeveloped forested areas to the west and north. Gallows Hill is also home to a large water storage tank on the top of the hill. Components of Gallows hill are critically in need of renovations (e.g. ball fields and upper play areas), and other open space areas present the opportunity for development of improved pathways, improved parking, open space areas and possibly additional an athletic field (at Mansell). Of note is that there are 'paper' roads that border Gallows hill to the west (Almeda St) and East. As well as other Salem open space properties that could potentially be used to expand the area of the park.

Gallows Hill is surrounded by densely populated neighborhoods that could take advantage of the park if safe linkages were provided. The vision for developing Gallows Hill would be to renovate many of the existing active recreation components as new, as well as use the existing topography to create a series of wide, lighted walking paths that would link to surrounding neighborhoods (vision central park in NYC or the Fens in Boston). The parking area would be reconstructed, as would the skate park and athletic fields at Lower Gallows. At Upper Gallows the basketball court would be reconstructed and a Playscape added. At adjacent Mansell park the field would be graded to provide a proper sports pitch for youth soccer or lacrosse. Ornamental lighting and formalized linkages would restore this park as a citywide park with links through neighborhoods as well as between them.

COST ESTIMATE – Gallows Hill Park Improvements

For Cost Estimating purposes the following items were included in the scope of the budget estimates.

Athletic field renovations costs include costs for total reconstruction of the existing fields as natural turf, which includes special provisions for some clearing to be able to fit the fields, costs for some rock removal, a new irrigation system, fencing and a ball safety netting system at right field to protect the parking area.

Parking area and Skate Park Renovation costs include the complete relocation and reconstruction of the parking area and 8,000sf of skate park. Cost for the skate park include perimeter fencing, equipment and lighting, as well as allowances for rock removal and drainage due to the proposed location. Costs for the parking area include lighting, electrical controls and access (for the rest of the park) as well as fencing to keep vehicles out of the adjacent open spaces.

Upper Gallows Improvements include costs for renovating all Upper Gallows lawn areas, a fence along Hanson Street, a new play area, and complete relocation and reconstruction of the basketball court, as well as costs for a walkway around the upper field area and costs for additional repairs to the existing picnic pavilion.

Mansell Field Costs include filling, regrading and reseeding the field to provide a proper pitch for athletic events. Costs include provisions for drainage, fencing along Mansell Parkway and reconstruction of the existing (inoperable) water fountain.

Walkways and Linkages: The walkways and linkages proposed for Gallows Hill are perhaps the largest and most impactful component of the proposed Improvements to Gallows Hill. Costs are difficult to gage due to the grades, and the layout of the walks, which will be dependent on topography, rock outcroppings and specimen trees. However costs have been estimated to provide 8' wide asphalt walkways as shown on plan, with connections to Almeda Street, Valley Street and Witch Hill Road. Trail heads have been estimated to provide a urban park type trail

head and park entry with masonry columns and ornamental pavers. Signage as well pedestrian lighting limited to specific routes has been provided. Access Bollards and heavy duty vehicle gates have also been included in the costs. Allowances have been included for rock removal, retaining walls and railings. Costs for this item have the potential to vary widely, depending on the final design and construction of this park element.

Design, construction mobilization and other bidding, allowances and contingency costs have been added into each of these elements separately, as though separate projects. Should the city decide to group some or all of these elements together, significant savings could be realized.

Gallows Hill Park Renovations:
Opinion of Budget Costs:

Item	Cost
Athletic Field Renovations	$786,000
New Parking & Skate Park	$953,000
Upper Gallows Improvements	$532,000
Mansell Field	$312,000
Walkways, lighting and Linkages	$790,000
TOTAL	**$3,373,000**

N
BASKETBALL
EXISTING PAVILION
PLAY AREA
NEW FIELD
PARKING FOR 53
EXISTING PLAY AREA
EXISTING BASKETBALL
MANSELL PARK
NEW FIELD
TRAIL HEAD
180' X 330'
128' X 235'
SKATE PARK
TRAIL HEAD
TRAIL HEAD
Gallows Hill Park
1" = 140'

N
PLAY AREA
RELOCATED BASKETBALL
EXISTING PAVILION
8' WIDE ASPHALT PATHWAYS
NEW FIELD
PARKING FOR 52
EXISTING PLAY AREA
EXISTING BASKETBALL
LANGDON ST
MANSELL PARK
PROCTOR ST
NEW FIELD
128' X 235'
MANSELL PLWY
SOUTH ST
TRAIL HEAD
SKATE PARK
WALLFLOWER RD
180' X 330'
TRAIL HEAD
ALMEDA ST W
TRAIL HEAD
VALLEY ST
Gallows Hill Park
1" = 140'

RECREATION FACILITY NEEDS ASSESSMENT AND OPEN SPACE MASTER PLAN

Volume 2

Community Input

City of Salem,
Massachusetts

April 2015

Mack Park

Gale JN 716760

Gale Associates, Inc.
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(all appendices attached to Volume 1) (all exhibits 11”x17”)

Appendix A Athletic Field Maintenance Evaluation
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Exhibit A City Wide Parks Map
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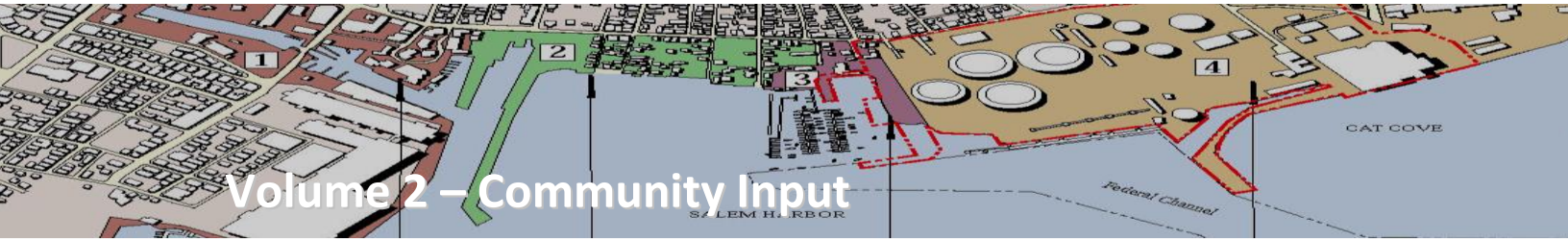


Volume 2 – Community Input

SALEM RECREATION FACILITY NEEDS ASSESSMENT AND OPEN SPACE MASTER PLAN

SECTION 2.1 COMMUNITY SURVEY SUMMARY

In the web-based survey, residents of the City were asked to complete a Parks, Athletic Field and Open Space Questionnaire. The website link was posted on City websites, e-mailed to residents, and otherwise distributed to City residents. The same survey was posted online in English and in Spanish. A total of four hundred and thirty-six (436) English and two (2) Spanish survey responses were received.

Below is a summary of the survey questions and responses, followed by observations/conclusions.

Questions 1 through 6 - Demographic Information

- 97% of the respondents were residents of Salem
- 63% of the respondents were between the ages of 36 and 59 (a little more 2% were under 26, while a little more 17% were over 59)
- 47% of the respondents had between 1 and 2 people in the household
- 52% of the respondents had 3 or more people in the household
- 51% of respondents had no children under 18 in the household
- 49% of respondents had between 1 and 4 children under 18 in the household

Conclusion: Respondents were mature (working age) Salem residents and households without children were only slightly more represented than households with children in the survey. The following responses should be weighted with this demographic split in mind.

Questions 3 & 7 - Information and Transportation

Question 3: What source of communication would you prefer to use to find out about events and opportunities related to parks? (Check all that apply.)

- 70% e-mail
- 60% social networks (e.g., Twitter, Facebook)
- 54% city website
- Lowest 3: schools, word of mouth, youth sports websites

Conclusion: Electronic media is the preferred method of notifications/ communication.

Question 7: What mode of transportation do you use to get to Salem's parks?

- 47% walk to parks
- 42% drive to parks
- 5% bike to parks
- Less than 1% take public transportation

Conclusion: Walking or driving to Salem's parks are equally popular. Few residents use public transportation to get to Salem's parks.

Questions 8, 10 &12 - how do you use the parks in Salem?

Question 8: What informal recreational activities do you and your family participate in?

- 50% or more of respondents walk, bike, use the beachfront and use playgrounds
- 30 to 50% of respondents hike, run, walk dogs, picnic, enjoy nature (bird watch or nature study), swim and sled
- Less than 10% skateboard, rollerblade, play pickup softball, ice skate, sail, play pick-up baseball
- Less than 5% bike share or play volleyball

Conclusion: Passive recreational activities are the most popular.

Question 10: How often do members of your household use the following types of facilities?

- Often Visited: Open Space Parks (62%) and Beaches (41%)
- Somewhat Often Visited: Trails (41%) and Beaches (37%)
- Open spaces and beaches have been visited by almost everyone (95.7%)

Conclusion: The majority of respondents use open spaces and beaches the most, while more active recreational activities are used by a smaller portion of residents.

Question 12: Does anyone in your household participate in the following organized sports? If yes, please indicate how many. (Note: Over 50% of respondents skipped this question.)

Conclusion: 50% of respondents have at least one (1) family member participating in organized sports.

Questions 15, 18, 27 & 28 - Perceptions of needed improvements

Question 15: How many additional athletic facilities do you feel the City requires? (Note: Over 30% or respondents skipped this question.)

- 33% feel additional rectangular fields are needed
- 17% feel additional tennis courts are needed
- 13% feel additional basketball courts are needed
- 11% feel additional softball/little league size fields are needed
- 9% feel additional 90' baseball diamonds are needed
- 54% had no opinion

Conclusion: The majority of respondents cited that additional rectangular fields are needed.

Question 18: Which of the following types of facilities would you like to see improved?

The top facility types include:

- Rectangular athletic fields (58%)
- Walking and hiking trails (55%)
- Baseball 60' diamonds (55%)
- Multi-use trails (47%)

Conclusion: The majority of respondents cited trails (walking and multi-use) and athletic fields (rectangular and 60' diamonds) as requiring improvements.

Questions 27: Which park area (non-sport) needs improvement? (List the area in most dire need.)

- Forest River Park was most often listed as requiring improvement.

Conclusion: Forest River, The Willows, Mack Park and Collins Cove were the most frequently noted parks requiring improvement. Other parks notably mentioned included Winter Island, Palmer Cove, the Common, Gallows Hill, the Point and McGlew.

Question 28: Other than playing fields, what other athletic/recreation facilities do you feel should be improved upon or developed to better meet the needs of the community? (Pick three.)

Top priority ratings for facilities included:

- Playgrounds (47%)
- Tennis, basketball courts, running areas (tracks, courses), trails, spray parks/ pools and dog parks all rated between 35-45% as a number one priority

Conclusion: Respondents thought playgrounds, tennis, basketball courts, running areas (tracks, courses), trails, spray parks/ pools and dog parks were the priority facilities that need to be improved/developed.

Question 29: Which existing athletic facility do you feel should be a priority for redevelopment? (Pick the top three.)

Top priority ratings for facility redevelopment included:

- McGrath Park (68%),
- The Willows (43%),
- Palmer Cove (35%)
- McGlew Park, Gallows Hill and Forest River (a three way tie at 34%)

Conclusion: McGrath Park is thought to be the biggest priority for renovation, followed by the Willows and Palmer Cove.

Questions 11, 13, 14, 16, 17, 23 & 24 - Perceptions of existing Parks Maintenance and Budgeting

Question 11: Please rank each objective below in order of importance.

The top three 'most important' rankings were:
- Maintain existing parks and open spaces (91%)
- Maintain existing recreational trail networks (70%)
- Maintain existing athletic fields (56%)

The top three 'least important" rankings were:
- New/additional athletic fields (54%)
- New/additional playgrounds (37%)
- New/additional parks/open spaces (24%)

Conclusion: Most respondents agree that maintaining the City's current parks and recreation assets is important, and that it is even more important than developing new facilities.

Question 13: In general, what is your perception of the condition and serviceability of athletic facilities throughout the City?

- 33% of respondents thought the athletic facilities were generally well maintained
- 37% of respondents thought athletic facilities were in barely acceptable condition
- 23% had no opinion

Conclusion: No clear conclusion can be reached from this question. The choices allowed were perhaps too vague to be of value.

Question 14: In general, what is your perception of the adequacy and availability of athletic facilities throughout the City?

- 16% of respondents thought athletic facilities are plentiful and convenient for use
- 32% of respondents thought athletic facilities were inconvenient (not nearby), but not so much that it would prevent their use
- 30% had no opinion

Conclusion: No clear conclusion can be reached from this question. The choices allowed were perhaps too vague to be of value.

Question 16: In general, what is your perception of the condition and serviceability of playgrounds throughout the City?

- 45% thought the playgrounds were generally well maintained and in good condition
- 32% thought the playgrounds were barely acceptable
- 17% had no opinion

Conclusion: No clear conclusion can be reached from this question. The results are too close. The choices allowed were perhaps too vague to be of value.

Question 17: In general, what is your perception of the adequacy and availability of playgrounds throughout the City?

- 34% thought the playgrounds were generally well maintained and in good condition
- 27% thought the playgrounds were barely acceptable
- 21% had no opinion

Conclusion: No clear conclusion can be reached from this question. The results are too close. The choices allowed were perhaps too vague to be of value.

Question 23: How concerned are you with the use of pesticides and herbicides at the parks to keep turf grass properly maintained?

- 43% of respondents were somewhat concerned
- 40% of respondents were concerned
- 18% were not concerned

Conclusion: Respondents are concerned with the use of pesticides/herbicides at Salem parks.

Question 24: How important is it for Salem to actively manage trees in its parks, open spaces and streets?

- 74% of respondents rated this as very important

Conclusion: Respondents feel that it is very important for Salem to manage trees on public properties.

QUESTIONS 25, 30, 31, 32 & 33 – VARIOUS QUESTIONS ON PARKS SERVICES AND SPENDING

Question 25: Do you feel that there is a need for additional indoor public recreational space?

- Maybe, if there is a justifiable need (49%)
- Yes, a recreation/community center should be a priority (41%)
- No, it is not needed (11%)

Conclusion: Almost 90% of respondents think an indoor recreational space should be a priority, if a justifiable need can be demonstrated.

Question 30: Do you feel that the City of Salem is currently investing enough resources and/or money into its parks, open spaces and athletic fields?

- 70% of respondents answered this negatively.

Conclusion: A solid majority of respondents believe that more needs to be spent on parks, open spaces and athletic facilities.

Question 31: Are there any specific parks where you think additional security measures are required?

- 55% responded that no additional security is needed

Conclusion: No clear conclusion. Respondents are essentially split on the need for or adequacy of park security.

Question 32: What maintenance or improvement strategies are needed to better secure Salem Parks? (Pick all that apply.)

The top three answers were:
- Increased police presence (55%)
- Increased Lighting (54%)
- Emergency call boxes (51%)

Conclusion: No clear conclusion. Those that feel additional security is needed are essentially in agreement on the options provided.

Question 33: Do you feel that the City's acquisition of open space properties is a good use of tax payer dollars?

In order, from least popular to most popular:

- No, budget is better spent elsewhere (4%)
- No, the amount of open space in Salem is adequate (12%)
- Yes, if it prevents open space from being developed (40%)
- Yes, it is always a good idea (44%)

Conclusion: Salem residents are overwhelmingly in favor of the prudent spending of tax dollars to acquire open space.

CONCLUSIONS AND RECOMMENDATIONS

With over 450 responses, the Salem Parks, Open Space and Athletic Field Survey provides valuable insight into the perceptions of the various recreational constituencies and stake holders. The quantity of responses is typical for this type of study in a city the size of Salem. The conclusions made from this study however, may be somewhat skewed, given the narrow demographics of the participants. This was evidenced by a nearly a 50% split between respondents with children and those without, as well few responses from adults under the age of 27.

Specific Conclusions:

- Respondents were mature (working age) Salem residents.
- Households without children were slightly more represented than households with children in the survey.
- Electronic media is the preferred method of notifications.
- Walking or driving to parks is equally popular.
- Residents typically do not use public transportation to get to parks.
- Passive recreational activities are the most popular.
- The majority of respondents use open spaces and beaches the most, while more active recreational activities are used by a smaller portion of residents.
- 50% of the survey respondents have at least one family member participating in organized sports.
- The majority of respondents cited trails (walking and multi-use) and athletic fields (rectangular and 60' diamonds) as requiring improvements.
- Forest River, the Willows, Mack Park and Collins Cove were the most noted parks requiring improvement. Other parks frequently mentioned included Winter Island, Palmer Cove, the Common, Gallows Hill, the Point and McGlew.
- Respondents thought playgrounds, tennis, basketball courts, running areas (tracks, courses), trails, spray parks/pools and dog parks were the priority facilities that need to be improved/developed.

- Most respondents agreed that maintaining the City's current parks and recreation assets is important, and even more important than developing new facilities.
- Respondents are concerned with the use of pesticides/herbicides at city parks.
- Respondents feel that it is very important for the city to manage trees on public properties.
- Approximately 90% of respondents think an indoor recreational space should be a priority, if a justifiable need can be demonstrated.
- A solid majority of respondents think more needs to be spent on parks, open spaces and athletic facilities.
- Survey respondents are overwhelmingly in favor of the prudent spending of tax dollars to acquire open space.

Summary of Conclusions

The survey assessed attitudes, opinions and priorities in a number of different ways. From question to question, the trends and conclusions were fairly consistent. As a result, we believe there is strong consensus, at least within the sampled group, regarding the following conclusions:

- The most important perceived recreational need throughout the City of Salem is for additional open space and passive recreational uses, especially walking, biking, running, hiking, and fitness. In response to several questions concerning current unmet recreation needs and potential priorities for development, the survey revealed that trails and paths is an unmet need. It is recommended that a multi-purpose trail/path network be considered as part of any new recreational park development. Additionally, the City should look into the renovation and possible expansion of existing trail facilities.
- Though only a select demographic responded to questions concerning active recreation, the second most important recreational need throughout the City appears to be for more or improved athletic fields, specifically for multi-purpose use. The existing population of fields appears to be inadequate to effectively meet current demands. This demand is consistent with that of other communities, as the popularity of youth soccer increases and new sports (e.g., lacrosse) become more widely played.
- While additional fields were indicated as a priority for development, the use of synthetic turf and athletic lighting as a means to increase use of existing fields seems to remain an option. Based on the results indicating support for synthetic turf, we feel that the incorporation of synthetic turf or lighting could be considered to meet demand, in lieu of developing new fields.
- It is apparent, through both survey responses and results of the sensing sessions, that there is a perception that maintenance and upkeep of athletic fields and parks is not sufficient. There also appears to be the perception that the lack of maintenance is affecting serviceability of the City's field inventory. In response to open ended questions, there is a perception that additional maintenance is required, rather than new or improved facilities.
- Questions concerning city spending on parks reveals a perception that not enough is being done to maintain existing parks, and that respondents are in support of additional municipal spending for maintenance, as well as open space acquisition.

- Maintenance of existing city trees and landscape was rated overwhelmingly as very important to the respondents.

The Salem Parks, Open Space and Athletic Fields Survey, as well as community meetings and input, are intended as tools to allow the City to document the views of city residents in a way that can be used to formulate policy and capital planning for the city parks. This survey is only single component of a larger Open Space and Recreation Master Plan effort for Salem's parks. The results of this survey will be used in that report to help formulate a program of proposed improvements, as well as prioritize those improvements over the coming years.

One of the next steps in the master planning process is to determine the extent of unmet needs and suggest solutions related to maintenance, renovation strategies, redistribution of demand and recreational program enhancements that will better meet the needs of the recreation users in the City of Salem.

Enclosure 1

Salem Online Community Survey Results
Parks, Athletic Field and Open Space Master Plan

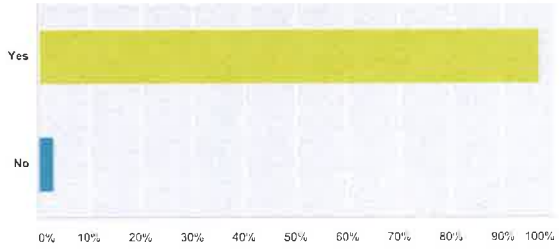
Gale Associates, Inc.
163 Libbey Parkway | P.O. Box 890189 | Weymouth MA 02189-0004
P 781.335.6465 F 781.335.6467 www.galeassociates.com

Q1 Please enter your e-mail address

Answered: 426 Skipped: 18

Q2 Are you a resident of Salem?

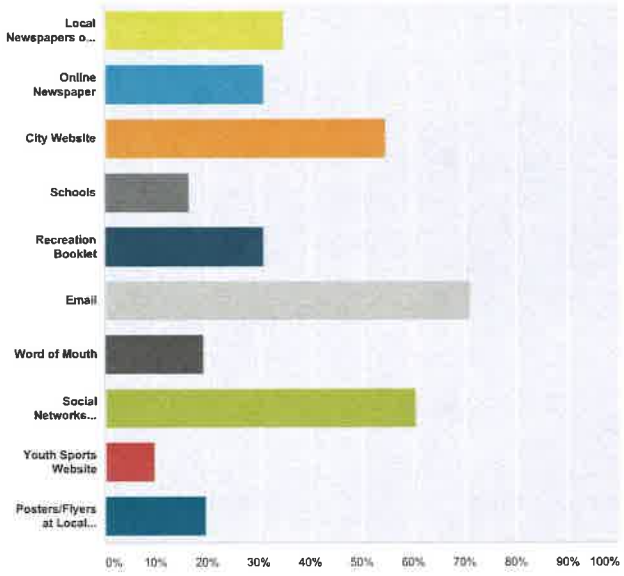
Answered: 447 Skipped: 7



Answer Choices	Responses	
Yes	97.09%	434
No	2.91%	13
Total		447

Q3 What source of communication/media would you prefer to use to find out about events and opportunities related to parks, athletic facilities and open spaces in the City of Salem? (Check all that apply)

Answered: 452 Skipped: 2

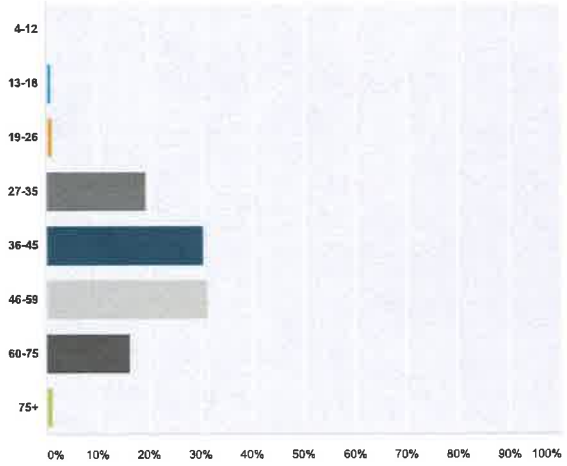


Answer Choices	Responses	
Local Newspapers or Publications	34.73%	157
Online Newspaper	30.97%	140
City Website	54.42%	246
Schools	16.59%	75
Recreation Booklet	30.97%	140
Email	71.02%	321
Word of Mouth	19.25%	87

Social Networks (Facebook, Twitter, etc.)	60.40%	273
Youth Sports Website	9.51%	43
Posters/Flyers at Local Businesses	19.69%	89
Total Respondents: 452		

Q4 Age group of person(s) completing this survey:

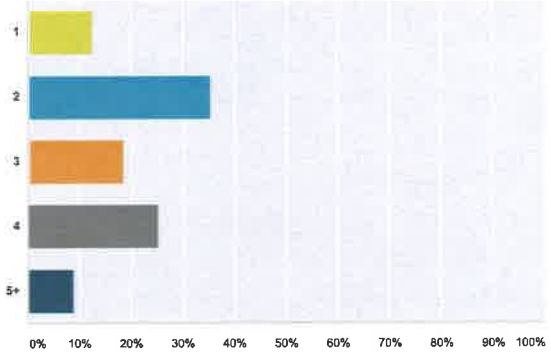
Answered: 452 Skipped: 2



Answer Choices	Responses	
4-12	0.22%	1
13-18	0.88%	4
19-26	1.11%	5
27-35	19.47%	88
36-45	30.53%	138
46-59	31.42%	142
60-75	16.37%	74
75+	1.11%	5
Total Respondents: 452		

Q5 How many people live in your household?

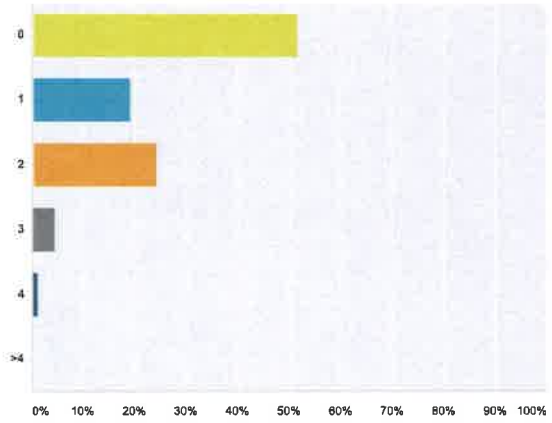
Answered: 447 Skipped: 7



Answer Choices	Responses	
1	12.30%	55
2	35.35%	158
3	18.34%	82
4	25.28%	113
5+	8.72%	39
Total		447

Q6 How many children under the age of 18 are currently living in your household?

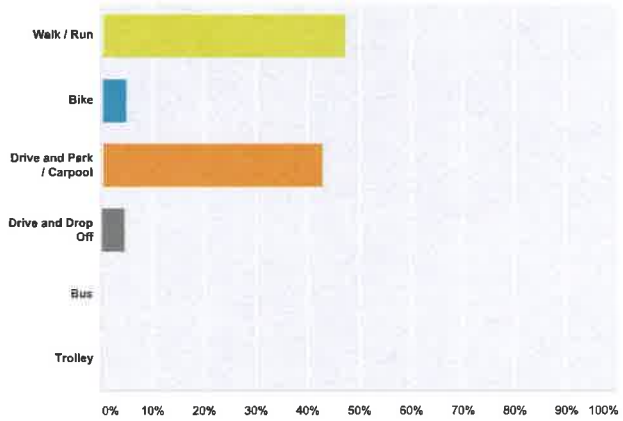
Answered: 451 Skipped: 3



Answer Choices	Responses	
0	51.44%	232
1	19.07%	86
2	23.95%	108
3	4.43%	20
4	1.11%	5
>4	0.00%	0
Total		451

Q7 If you or your family members use any of the parks, open spaces or athletic facilities within the City of Salem, please indicate what method of transportation is used to get to these facilities? (Choose one)

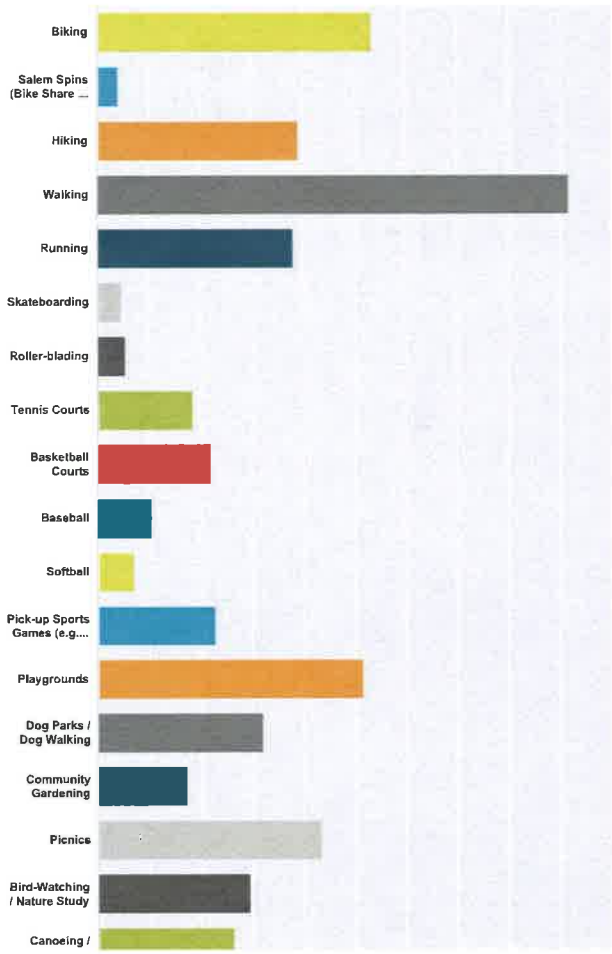
Answered: 449 Skipped: 5

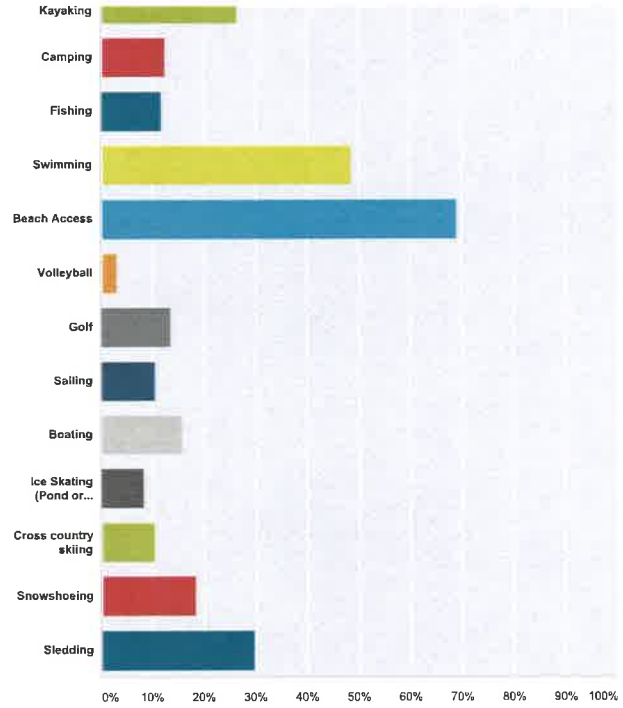


Answer Choices	Responses	
Walk / Run	47.22%	212
Bike	4.90%	22
Drive and Park / Carpool	42.76%	192
Drive and Drop Off	4.68%	21
Bus	0.22%	1
Trolley	0.22%	1
Total		449

Q8 What informal recreational activities / facilities do you or your family participate in or attend within the City of Salem? (Check all that apply)

Answered: 448 Skipped: 6



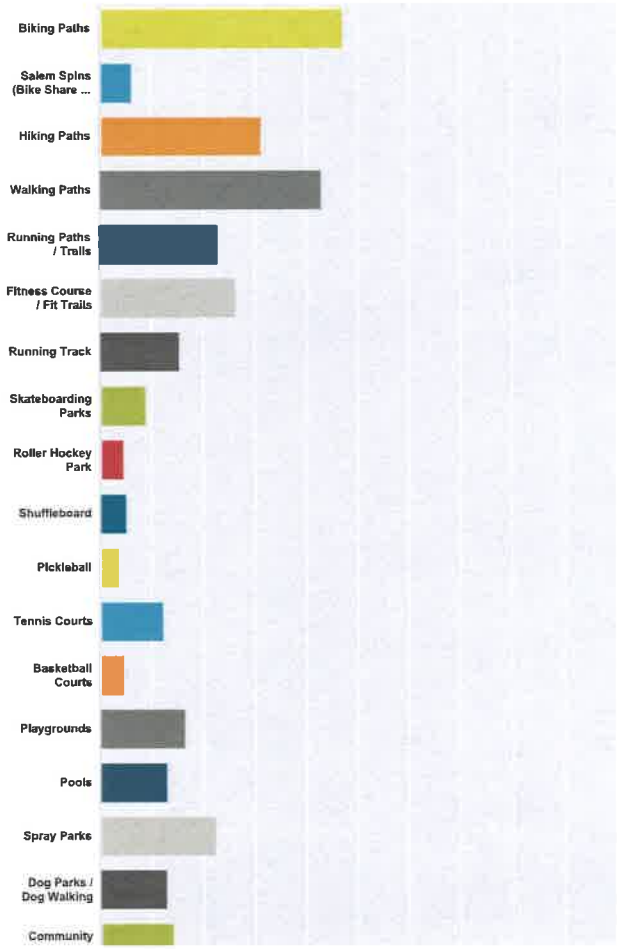


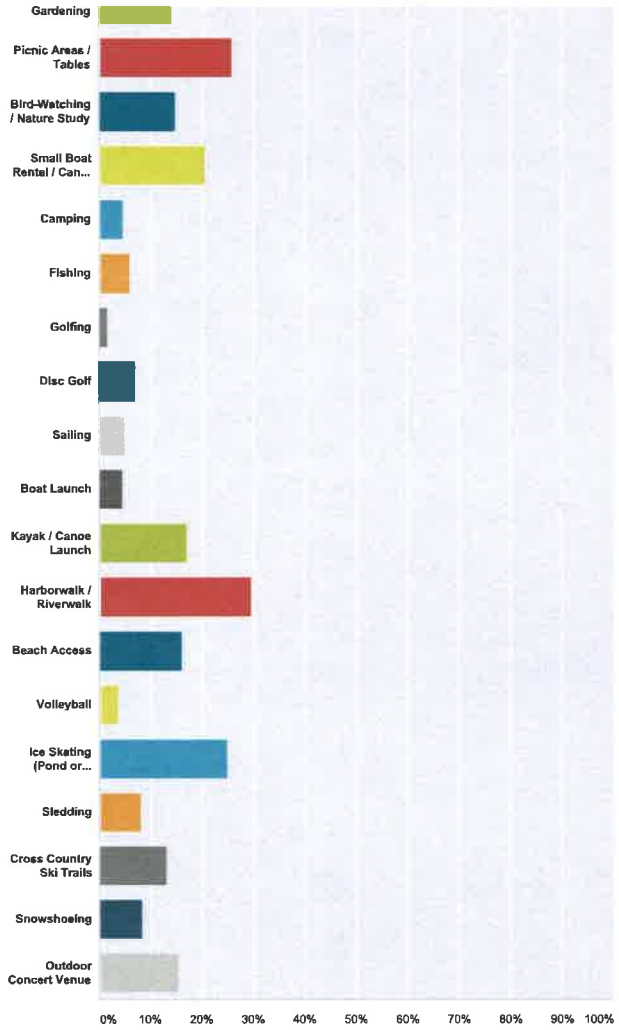
Answer Choices	Responses	
Biking	53.13%	238
Salem Spins (Bike Share / Rental)	4.02%	18
Hiking	38.84%	174
Walking	91.74%	411
Running	37.95%	170
Skateboarding	4.69%	21
Roller-blading	5.36%	24
Tennis Courts	18.30%	82
Basketball Courts	21.65%	97

Baseball	10.49%	47
Softball	6.92%	31
Pick-up Sports Games (e.g. Soccer, Football, Frisbee)	22.77%	102
Playgrounds	51.34%	230
Dog Parks / Dog Walking	32.14%	144
Community Gardening	17.41%	78
Picnics	43.53%	195
Bird-Watching / Nature Study	29.69%	133
Canoeing / Kayaking	26.34%	118
Camping	12.28%	55
Fishing	11.61%	52
Swimming	48.44%	217
Beach Access	68.97%	309
Volleyball	2.90%	13
Golf	13.62%	61
Sailing	10.49%	47
Boating	15.63%	70
Ice Skating (Pond or backyard rinks)	8.26%	37
Cross country skiing	10.27%	46
Snowshoeing	18.08%	81
Sledding	29.69%	133
Total Respondents: 448		

Q9 Which type of informal recreational needs / opportunities do you feel are currently unmet or underdeveloped in the City of Salem? (Check all that apply)

Answered: 427 Skipped: 27





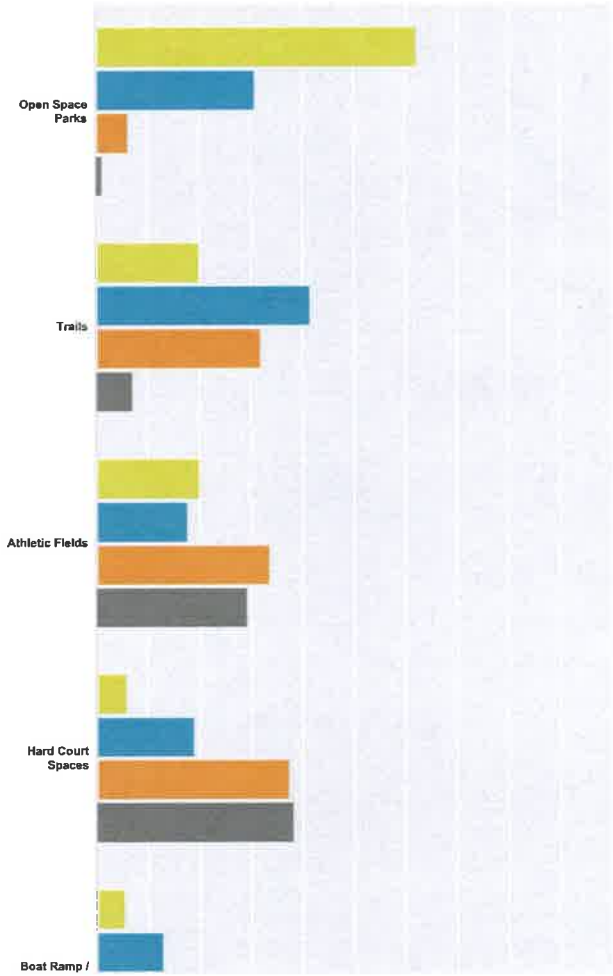
Answer Choices	Responses

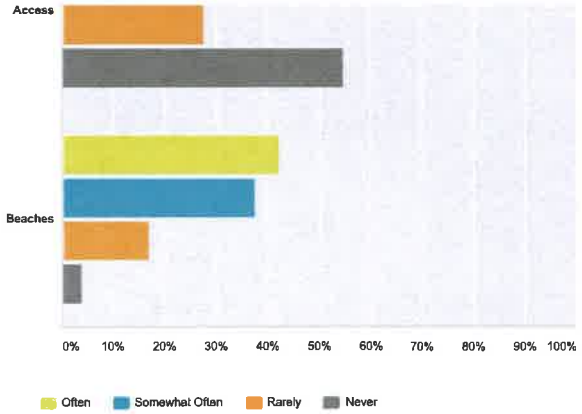
Biking Paths	47.07%	201
Salem Spins (Bike Share / Rental)	6.09%	26
Hiking Paths	31.15%	133
Walking Paths	43.09%	184
Running Paths / Trails	22.72%	97
Fitness Course / Fit Trails	26.23%	112
Running Track	15.46%	66
Skateboarding Parks	8.67%	37
Roller Hockey Park	4.45%	19
Shuffleboard	4.92%	21
Pickleball	3.51%	15
Tennis Courts	12.18%	52
Basketball Courts	4.45%	19
Playgrounds	16.39%	70
Pools	12.88%	55
Spray Parks	22.25%	95
Dog Parks / Dog Walking	12.88%	55
Community Gardening	14.05%	60
Picnic Areas / Tables	25.76%	110
Bird-Watching / Nature Study	14.75%	63
Small Boat Rental / Canoe / Kayak	20.37%	87
Camping	4.68%	20
Fishing	5.85%	25
Golfing	1.64%	7
Disc Golf	6.79%	29
Sailing	4.92%	21
Boat Launch	4.68%	20
Kayak / Canoe Launch	16.86%	72
Harborwalk / Riverwalk	29.51%	126
Beach Access	16.16%	69
Volleyball	3.51%	15
Ice Skating (Pond or Outdoor Rinks)	24.82%	106

Sledding	7.96%	34
Cross Country Ski Trails	13.11%	56
Snowshoeing	8.43%	36
Outdoor Concert Venue	15.46%	66
Total Respondents: 427		

Q10 Please indicate how often you or members of your family use the following types of facilities?

Answered: 451 Skipped: 3

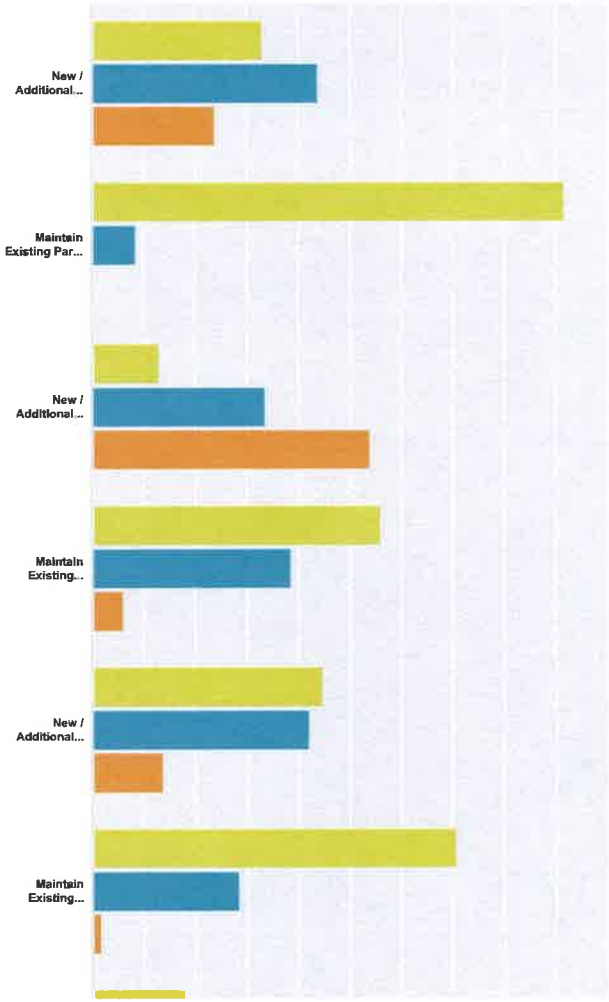


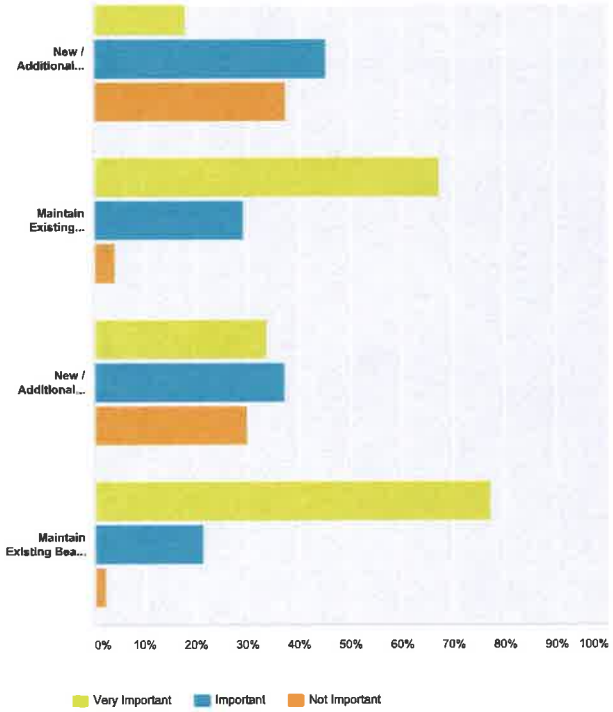


	Often	Somewhat Often	Rarely	Never	Total
Open Space Parks	61.97% 277	30.65% 137	6.04% 27	1.34% 6	447
Trails	19.86% 86	41.34% 179	31.64% 137	7.16% 31	433
Athletic Fields	19.85% 82	17.43% 72	33.41% 138	29.30% 121	413
Hard Court Spaces	5.71% 23	18.86% 76	37.22% 150	38.21% 154	403
Boat Ramp / Access	5.17% 21	12.81% 52	27.34% 111	54.68% 222	406
Beaches	41.95% 185	37.41% 165	16.78% 74	3.85% 17	441

Q11 Please rank each objective below in order of importance.

Answered: 451 Skipped: 3



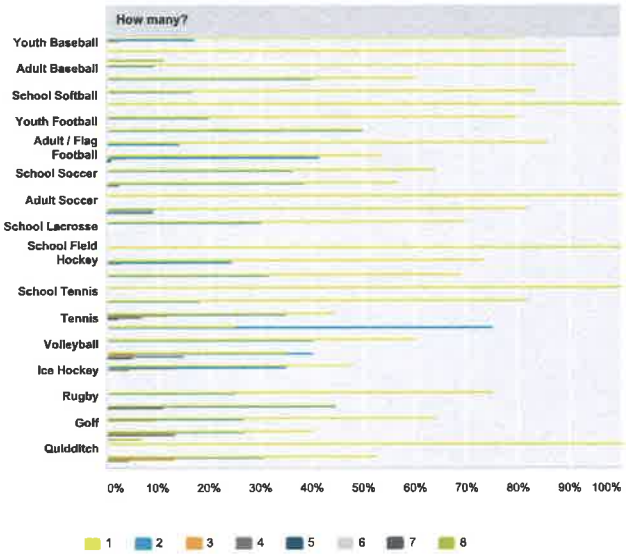


	Very Important	Important	Not Important	Total
New / Additional Parks and/or Open Spaces	32.79% 140	43.56% 186	23.65% 101	427
Maintain Existing Parks and/or Open Spaces	91.34% 401	8.43% 37	0.23% 1	439
New / Additional Athletic Fields	12.83% 54	33.49% 141	53.68% 226	421
Maintain Existing Athletic Fields	55.81% 240	38.37% 165	5.81% 25	430
New / Additional Recreational Trail Networks (hiking, walking, etc.)	44.44% 192	41.90% 181	13.66% 59	432
Maintain Existing Recreational Trail Networks (hiking, walking, etc.)	70.32% 308	28.31% 124	1.37% 6	438
New / Additional Playground Facilities	17.75% 74	45.08% 188	37.17% 155	417

Maintain Existing Playground Facilities	67.05% 291	29.03% 126	3.92% 17	434
New / Additional Beach and Ocean Access	33.41% 142	36.94% 157	29.65% 126	425
Maintain Existing Beach and Ocean Access	76.87% 339	21.09% 93	2.04% 9	441

Q12 Does anyone in your household participate in the following organized sports? If yes, please indicate how many. (Please include sports played in Salem and outside of Salem)

Answered: 215 Skipped: 239



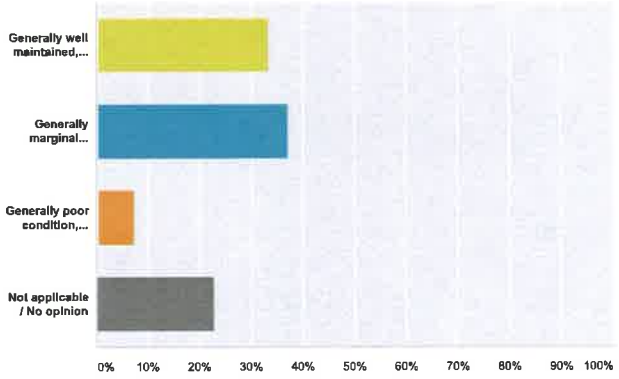
How many?	1	2	3	4	5	6	7	8	Total
Youth Baseball	80.49% 33	17.07% 7	2.44% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	41
School Baseball	88.89% 8	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	11.11% 1	9
Adult Baseball	90.91% 10	9.09% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	11
Youth Softball	60.00% 9	40.00% 6	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	15
School Softball	83.33% 5	16.67% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	6

Adult Softball	100.00% 14	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	14
Youth Football	80.00% 8	20.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	10
School Football	50.00% 2	50.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	4
Adult / Flag Football	85.71% 6	14.29% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	7
Youth Soccer	53.26% 49	41.30% 38	3.26% 3	1.09% 1	1.09% 1	0.00% 0	0.00% 0	0.00% 0	92
School Soccer	63.64% 14	36.36% 8	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	22
Travel Soccer	56.41% 22	38.46% 15	2.56% 1	2.56% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	39
Adult Soccer	100.00% 15	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	15
Youth Lacrosse	81.82% 9	9.09% 1	0.00% 0	9.09% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	11
School Lacrosse	70.00% 7	30.00% 3	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	10
Adult Lacrosse	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
School Field Hockey	100.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	1
Youth Basketball	72.97% 27	24.32% 9	2.70% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	37
School Basketball	68.42% 13	31.58% 6	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	19
School Tennis	100.00% 3	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	3
Youth Tennis	81.82% 9	18.18% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	11
Tennis	44.19% 19	34.88% 15	11.63% 5	6.98% 3	2.33% 1	0.00% 0	0.00% 0	0.00% 0	43
Pickleball	25.00% 1	75.00% 3	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	4
Volleyball	60.00% 6	40.00% 4	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	10
Street Hockey	35.00% 7	40.00% 8	5.00% 1	15.00% 3	5.00% 1	0.00% 0	0.00% 0	0.00% 0	20
Ice Hockey	47.83% 11	34.78% 8	13.04% 3	4.35% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	23
Cricket	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0
Rugby	75.00% 3	25.00% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	4
Ultimate Frisbee	44.44% 4	44.44% 4	0.00% 0	11.11% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	9

Golf	64.06% 41	26.56% 17	9.38% 6	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	64
Disc Golf	40.00% 6	26.67% 4	13.33% 2	13.33% 2	0.00% 0	0.00% 0	0.00% 0	6.67% 1	15
Quidditch	100.00% 3	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	3
Sailing (Racing)	52.17% 12	30.43% 7	13.04% 3	4.35% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	23

Q13 In general, what is your perception of the CONDITION and SERVICEABILITY of athletic facilities throughout the City?

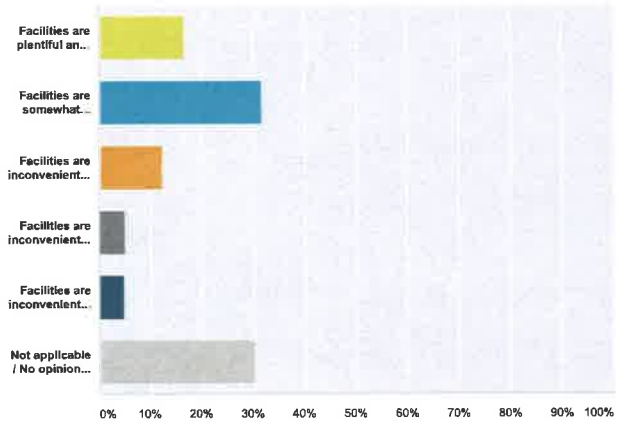
Answered: 447 Skipped: 7



Answer Choices	Responses	
Generally well maintained, safe, and in good condition	33.11%	148
Generally marginal condition, barely acceptable/usable	36.91%	165
Generally poor condition, often unusable	7.16%	32
Not applicable / No opinion	22.82%	102
Total		**447**

Q14 In general, what is your perception of the ADEQUACY and AVAILABILITY of athletic facilities throughout the City?

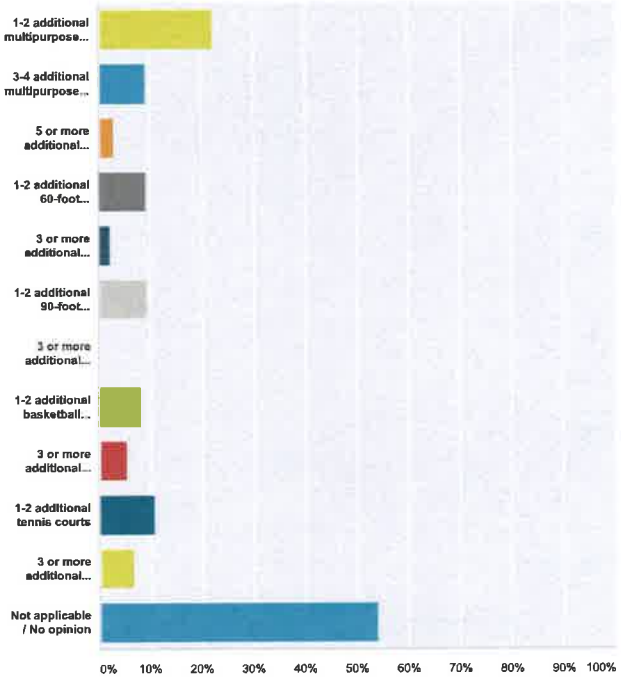
Answered: 443 Skipped: 11



Answer Choices	Responses	
Facilities are plentiful and convenient for use. I have no concerns.	16.25%	72
Facilities are somewhat inconvenient, but I am not deterred from visiting or using the facility.	31.60%	140
Facilities are inconvenient due to transportation issues or site access (car parking, bike parking, public transit access or pedestrian access).	12.19%	54
Facilities are inconvenient due to safety and security concerns.	4.97%	22
Facilities are inconvenient due to too many users, they are too busy.	4.74%	21
Not applicable / No opinion / Unaware of Athletic Facilities	30.25%	134
Total		**443**

Q15 If you responded that there were insufficient athletic facilities within the City, indicate how many additional facilities you feel the City requires to meet program needs.

Answered: 292 Skipped: 162

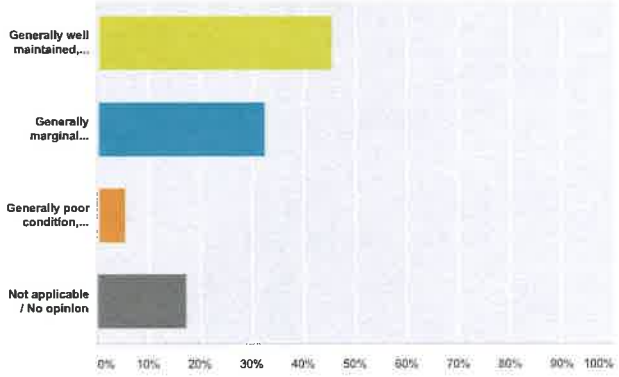


Answer Choices	Responses	
1-2 additional multipurpose rectangular fields (soccer, football, lacrosse, field hockey, etc.)	21.92%	64
3-4 additional multipurpose rectangular fields (soccer, football, lacrosse, field hockey, etc.)	8.90%	26
5 or more additional multipurpose rectangular fields (soccer, football, lacrosse, field hockey, etc.)	2.74%	8
1-2 additional 60-foot diamonds for baseball/softball	9.25%	27

3 or more additional 60-foot diamonds for baseball/softball	2.05%	6
1-2 additional 90-foot diamonds for "adult" baseball	9.25%	27
3 or more additional 90-foot diamonds for "adult" baseball	0.00%	0
1-2 additional basketball courts	7.88%	23
3 or more additional basketball courts	5.14%	15
1-2 additional tennis courts	10.62%	31
3 or more additional tennis courts	6.51%	19
Not applicable / No opinion	53.77%	157
Total Respondents: 292		

Q16 In general, what is your perception of the CONDITION and SERVICEABILITY of playgrounds throughout the City?

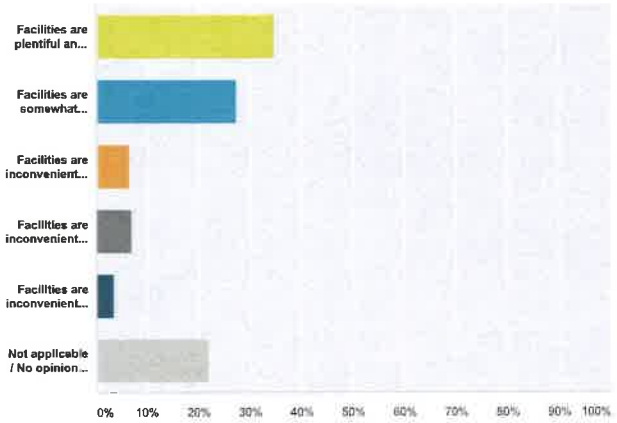
Answered: 440 Skipped: 14



Answer Choices	Responses	
Generally well maintained, safe, and in good condition	45.23%	199
Generally marginal condition, barely acceptable/usable	32.27%	142
Generally poor condition, often unusable	5.23%	23
Not applicable / No opinion	17.27%	76
Total		**440**

Q17 In general, what is your perception of the ADEQUACY and AVAILABILITY of playgrounds throughout the City?

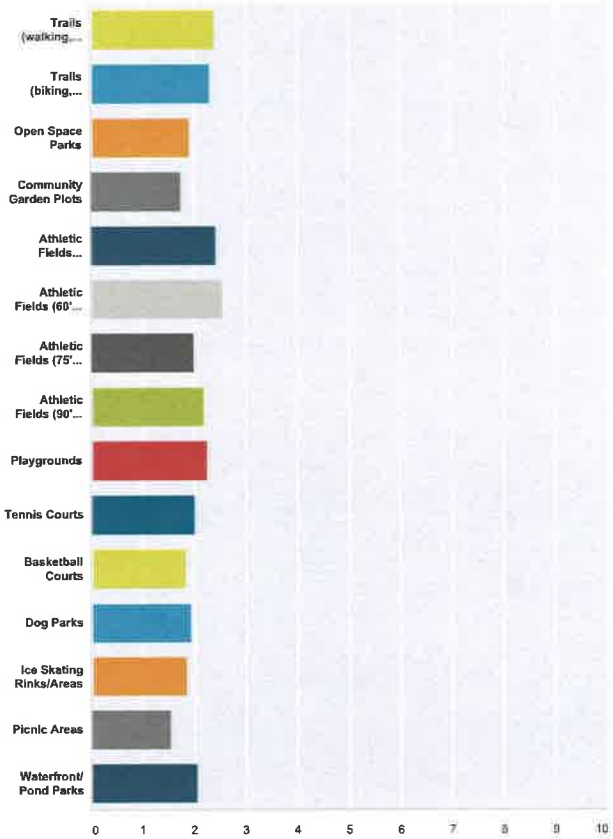
Answered: 441 Skipped: 13



Answer Choices	Responses	
Facilities are plentiful and convenient for use. I have no concerns.	34.47%	152
Facilities are somewhat inconvenient, but I am not deterred from visiting or using the facility.	27.21%	120
Facilities are inconvenient due to transportation issues or site access (car parking, bike parking, public transit access or pedestrian access).	6.35%	28
Facilities are inconvenient due to safety and security concerns.	6.80%	30
Facilities are inconvenient due to too many users, they are too busy.	3.40%	15
Not applicable / No opinion / Unaware of Playgrounds	21.77%	96
Total		**441**

Q18 Which of the following types of parks, athletic fields, and open spaces would you like to see improved in the City of Salem? (Pick Top 3 Choices)

Answered: 454 Skipped: 0

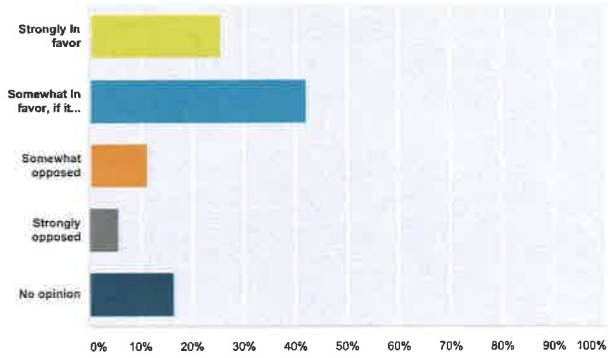


	1st Choice	2nd Choice	3rd Choice	Total	Weighted Average

Trails (walking, hiking, etc.)	55.24% 137	27.42% 68	17.34% 43	248	2.38
Trails (biking, motorized sports, multi-use)	46.94% 46	34.69% 34	18.37% 18	98	2.29
Open Space Parks	29.90% 58	30.93% 60	39.18% 76	194	1.91
Community Garden Plots	19.79% 19	35.42% 34	44.79% 43	96	1.75
Athletic Fields (rectangular)	57.63% 34	27.12% 16	15.25% 9	59	2.42
Athletic Fields (60' diamond)	54.55% 6	45.45% 5	0.00% 0	11	2.55
Athletic Fields (75' diamond)	18.18% 2	63.64% 7	18.18% 2	11	2.00
Athletic Fields (90' diamond)	41.67% 5	33.33% 4	25.00% 3	12	2.17
Playgrounds	42.38% 64	38.41% 58	19.21% 29	151	2.23
Tennis Courts	37.50% 12	25.00% 8	37.50% 12	32	2.00
Basketball Courts	23.81% 5	33.33% 7	42.86% 9	21	1.81
Dog Parks	31.25% 20	29.69% 19	39.06% 25	64	1.92
Ice Skating Rinks/Areas	29.69% 19	23.44% 15	46.88% 30	64	1.83
Picnic Areas	14.47% 11	25.00% 19	60.53% 46	76	1.54
Waterfront/ Pond Parks	35.11% 79	33.33% 75	31.56% 71	225	2.04

Q19 One of the ways to extend the use of existing athletic facilities is to provide lighting. In general, what is your opinion about the possible installation of additional athletic lighting at any of the currently unlit facilities?

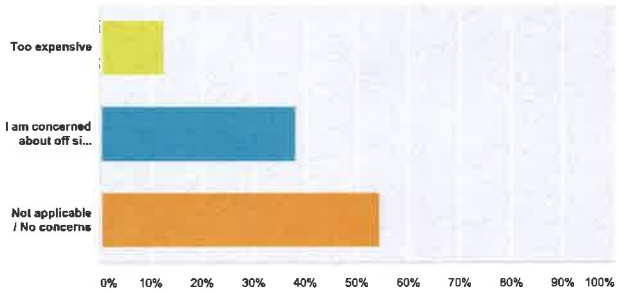
Answered: 445 Skipped: 9



Answer Choices	Responses	
Strongly in favor	25.17%	112
Somewhat in favor, if it is the best option to meet field needs	42.02%	187
Somewhat opposed	11.01%	49
Strongly opposed	5.62%	25
No opinion	16.18%	72
Total		**445**

Q20 If opposed to the potential for more fields to be lighted, what are your primary concerns?

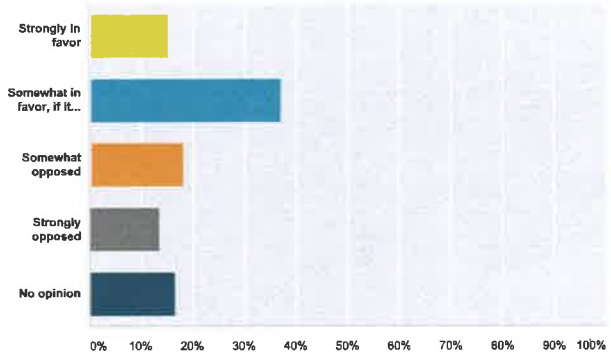
Answered: 363 Skipped: 91



Answer Choices	Responses	
Too expensive	12.12%	44
I am concerned about off site impacts (glare, light levels, noise)	37.74%	137
Not applicable / No concerns	53.99%	196
Total Respondents: 363		

Q21 One of the ways to improve athletic facility condition and availability is the use of synthetic turf. Synthetic turf does not require the rigorous maintenance and irrigation requirements that natural grass does and can be used all year in all weather conditions without damage. In general, what is your opinion about the possible installation of a synthetic turf field?

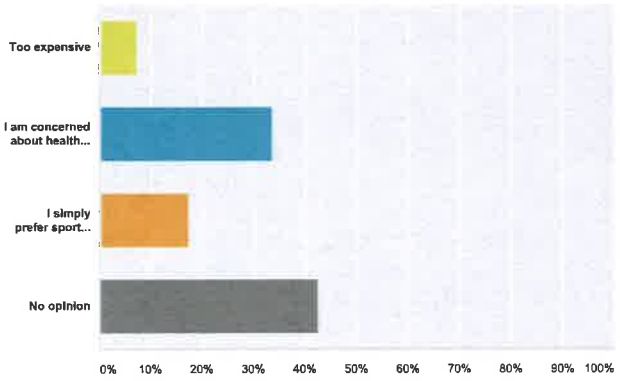
Answered: 450 Skipped: 4



Answer Choices	Responses	
Strongly in favor	15.11%	68
Somewhat in favor, if it is the best option to meet field needs	36.89%	166
Somewhat opposed	18.00%	81
Strongly opposed	13.56%	61
No opinion	16.44%	74
Total		**450**

Q22 If opposed to a potential synthetic turf field, what are your primary concerns?

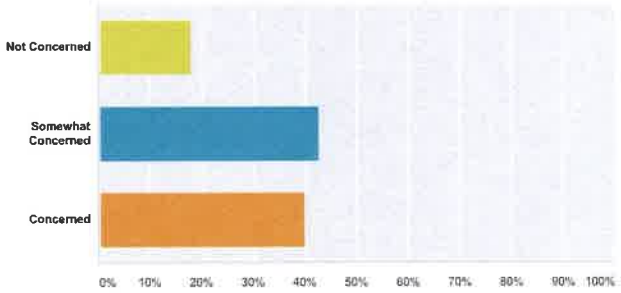
Answered: 311 Skipped: 143



Answer Choices	Responses	
Too expensive	7.07%	22
I am concerned about health and environmental risks	33.44%	104
I simply prefer sports played on a natural turf surface	17.04%	53
No opinion	42.44%	132
Total		**311**

Q23 How concerned are you with the use of pesticides and herbicides at parks to keep the turf grass properly maintained?

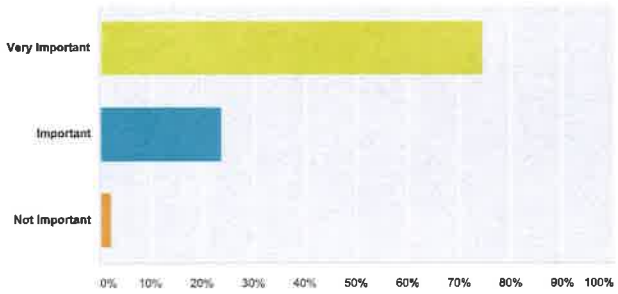
Answered: 447 Skipped: 7



Answer Choices	Responses	
Not Concerned	17.67%	79
Somewhat Concerned	42.51%	190
Concerned	39.82%	178
Total		**447**

Q24 How important is it for Salem to actively manage trees in Parks, Open Spaces and Streets?

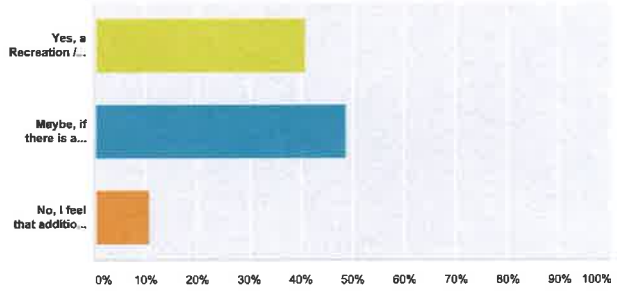
Answered: 449 Skipped: 5



Answer Choices	Responses	
Very Important	74.39%	334
Important	23.61%	106
Not Important	2.00%	9
Total		449

Q25 Do you feel that there is a need for additional indoor public recreational space?

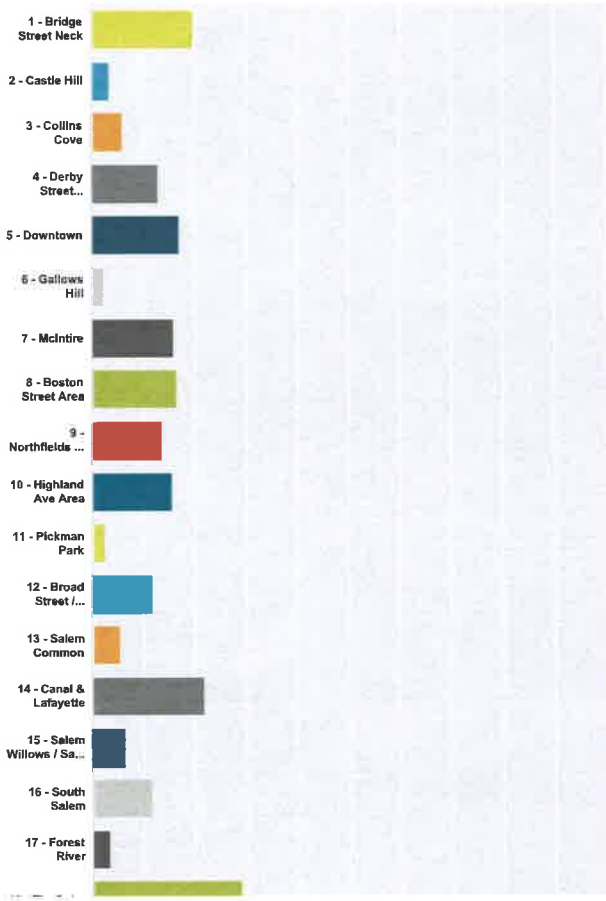
Answered: 446 Skipped: 8

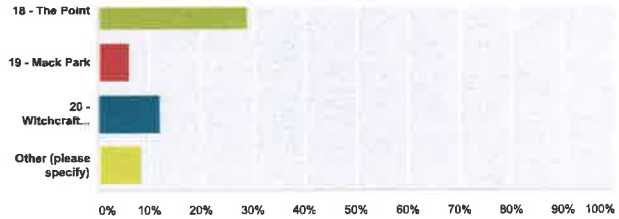


Answer Choices	Responses	
Yes, a Recreation / Community Center in Salem should be a priority	40.81%	182
Maybe, if there is a justifiable need	48.65%	217
No, I feel that additional indoor recreational areas in Salem are not needed	10.54%	47
Total		446

Q26 Do you feel that there are certain neighborhoods in Salem that do not have an adequate quantity of open spaces? If so, please indicate the neighborhood or general area below. You may select any number of neighborhoods.

Answered: 271 Skipped: 183

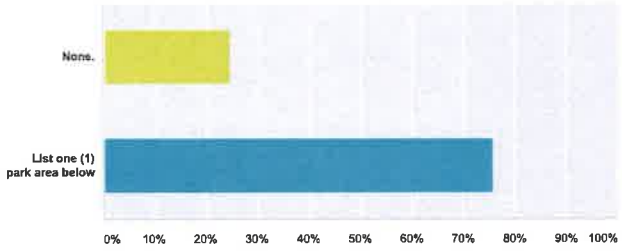




Answer Choices	Responses	
1 - Bridge Street Neck	19.56%	53
2 - Castle Hill	3.32%	9
3 - Collins Cove	5.90%	16
4 - Derby Street Neighborhood	12.92%	35
5 - Downtown	16.97%	46
6 - Gallows Hill	2.21%	6
7 - McIntire	15.87%	43
8 - Boston Street Area	16.24%	44
9 - Northfields / North Salem	13.28%	36
10 - Highland Ave Area	15.50%	42
11 - Pickman Park	2.21%	6
12 - Broad Street / Jefferson	11.44%	31
13 - Salem Common	5.17%	14
14 - Canal & Lafayette	21.77%	59
15 - Salem Willows / Salem Neck / Winter Island	6.27%	17
16 - South Salem	11.44%	31
17 - Forest River	3.32%	9
18 - The Point	28.78%	78
19 - Mack Park	5.90%	16
20 - Witchcraft Heights	11.81%	32
Other (please specify)	8.12%	22
Total Respondents: 271		

Q27 Which park area (non-sport) needs improvement(s)? (If more than one area comes to mind, list the area of most dire need of improvement(s))

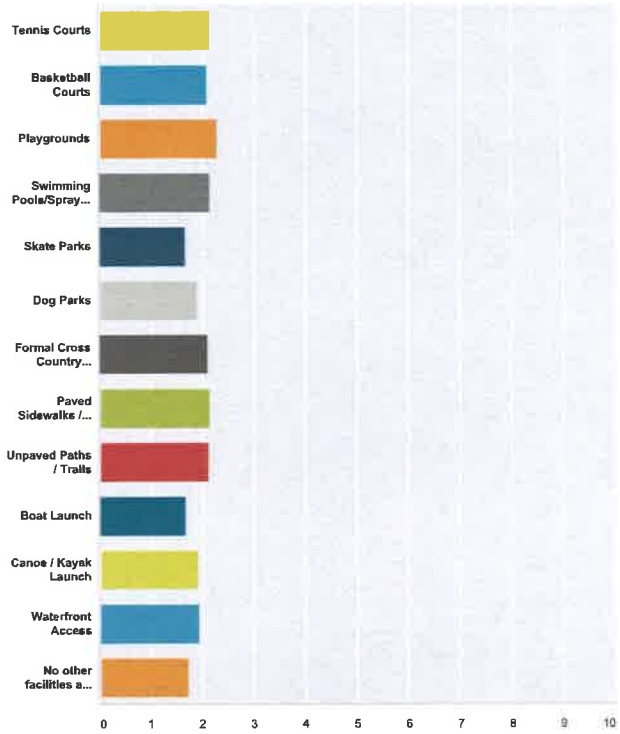
Answered: 323 Skipped: 131



Answer Choices	Responses	
None.	24.46%	79
List one (1) park area below	75.54%	244
Total		323

Q28 Other than playing fields, what other athletic/recreation facilities do you feel should be improved upon or developed to better meet the needs of the community? (Pick Top 3 Choices)

Answered: 454 Skipped: 0

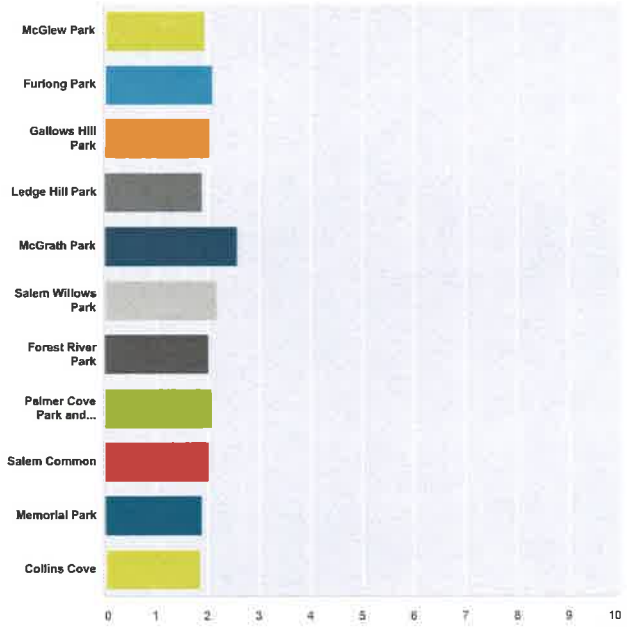


	1st Choice	2nd Choice	3rd Choice	Total	Weighted Average
Tennis Courts	38.96% 30	35.06% 27	25.97% 20	77	2.13
Basketball Courts	39.66% 23	29.31% 17	31.03% 18	58	2.09

Playgrounds	47.27% 78	32.12% 53	20.61% 34	165	2.27
Swimming Pools/Spray Parks	37.74% 60	40.25% 64	22.01% 35	159	2.16
Skate Parks	20.51% 8	25.64% 10	53.85% 21	39	1.67
Dog Parks	35.90% 28	17.95% 14	46.15% 36	78	1.90
Formal Cross Country (Running) Course	43.86% 25	22.81% 13	33.33% 19	57	2.11
Paved Sidewalks / Paths / Trails	40.83% 89	31.65% 69	27.52% 60	218	2.13
Unpaved Paths / Trails	36.84% 70	36.32% 69	26.84% 51	190	2.10
Boat Launch	21.05% 4	26.32% 5	52.63% 10	19	1.68
Canoe / Kayak Launch	24.29% 17	42.86% 30	32.86% 23	70	1.91
Waterfront Access	32.02% 65	28.08% 57	39.90% 81	203	1.92
No other facilities are needed in Salem	27.59% 8	17.24% 5	55.17% 16	29	1.72

Q29 Which existing athletic facility do you feel should be a priority for redevelopment? (Pick Top 3 Choices)

Answered: 454 Skipped: 0

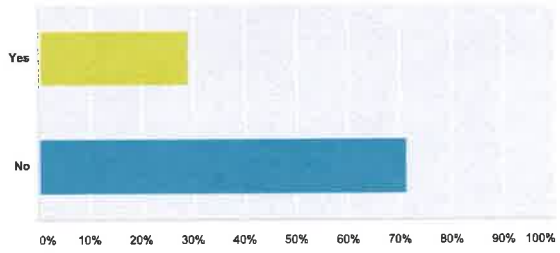


	1st Choice	2nd Choice	3rd Choice	Total	Weighted Average
McGlew Park	34.07% 31	24.18% 22	41.76% 38	91	1.92
Furlong Park	32.69% 17	42.31% 22	25.00% 13	52	2.08
Gallows Hill Park	34.51% 39	32.74% 37	32.74% 37	113	2.02
Ledge Hill Park	18.52% 5	51.85% 14	29.63% 8	27	1.89
McGrath Park	68.42% 39	19.30% 11	12.28% 7	57	2.56

Salem Willows Park	43.45% 126	30.00% 87	26.55% 77	290	2.17
Forest River Park	34.11% 73	34.11% 73	31.78% 68	214	2.02
Palmer Cove Park and Playground	35.20% 44	35.20% 44	29.60% 37	125	2.06
Salem Common	32.60% 59	35.91% 65	31.49% 57	181	2.01
Memorial Park	25.53% 12	36.17% 17	38.30% 18	47	1.87
Collins Cove	29.09% 48	24.85% 41	46.06% 76	165	1.83

Q30 Do you feel that the City of Salem is currently investing enough resources and/or money into its parks, open spaces and athletic fields?

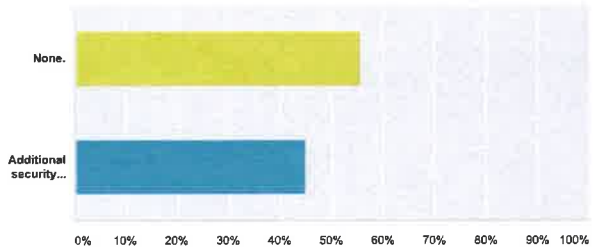
Answered: 423 Skipped: 31



Answer Choices	Responses	
Yes	28.84%	122
No	71.16%	301
Total		423

Q31 Are there any specific parks where you think additional security measures are required?

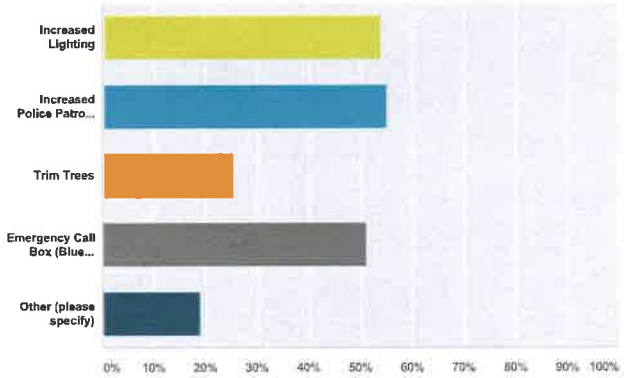
Answered: 361 Skipped: 93



Answer Choices	Responses	
None.	55.40%	200
Additional security measures are required at the following park:	44.60%	161
Total		**361**

Q32 What maintenance or improvement strategies are needed to better secure Salem parks? (Check all that apply)

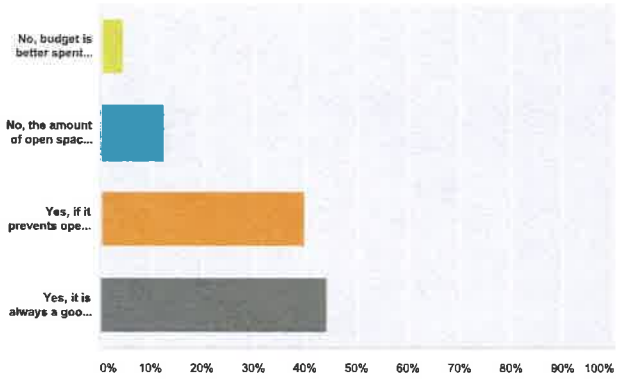
Answered: 404 Skipped: 50



Answer Choices	Responses	
Increased Lighting	53.71%	217
Increased Police Patrols / Presence	54.95%	222
Trim Trees	25.00%	101
Emergency Call Box (Blue Light)	51.24%	207
Other (please specify)	18.81%	76
Total Respondents: 404		

Q33 Do you feel that the City acquisition of open space properties is a good use of tax payer dollars?

Answered: 435 Skipped: 19



Answer Choices	Responses	
No, budget is better spent elsewhere.	4.14%	18
No, the amount of open space in Salem is adequate.	12.18%	53
Yes, if it prevents open space from being developed.	39.54%	172
Yes, it is always a good investment.	44.14%	192
Total		**435**

Q34 Please indicate what three (3) new, improved, or expanded parks, open spaces or recreational amenities you would like to see in the City of Salem.

Answered: 252 Skipped: 202

Answer Choices	Responses	
1	100.00%	252
2	85.71%	216
3	73.41%	185

Q35 Do you have any additional comments or concerns related to City Parks, Athletic Fields and Open Spaces that were not addressed by this survey? If so, please explain in the text box below, in 250 characters or less.

Answered: 138 Skipped: 316

Survey Comments

Survey Questions with Comments

Question 8 – What informal recreational activities/facilities do you or your family participate in?

Question 9 – Which type of informal recreation needs/opportunities do you feel are currently unmet or underdeveloped in the City of Salem?

Question 18 – Which of the following types of parks, athletic fields, and open spaces would you like to see improved in the City of Salem?

Question 19 – One of the ways to extend the use of existing athletic facilities is to provide lighting. In general, what is your opinion about the possible installation of additional athletic lighting at any of the currently unlit facilities?

Question 22 – If opposed to a synthetic turf field, what are your concerns?

Question 27 – Which park area (non-sport) needs improvements?

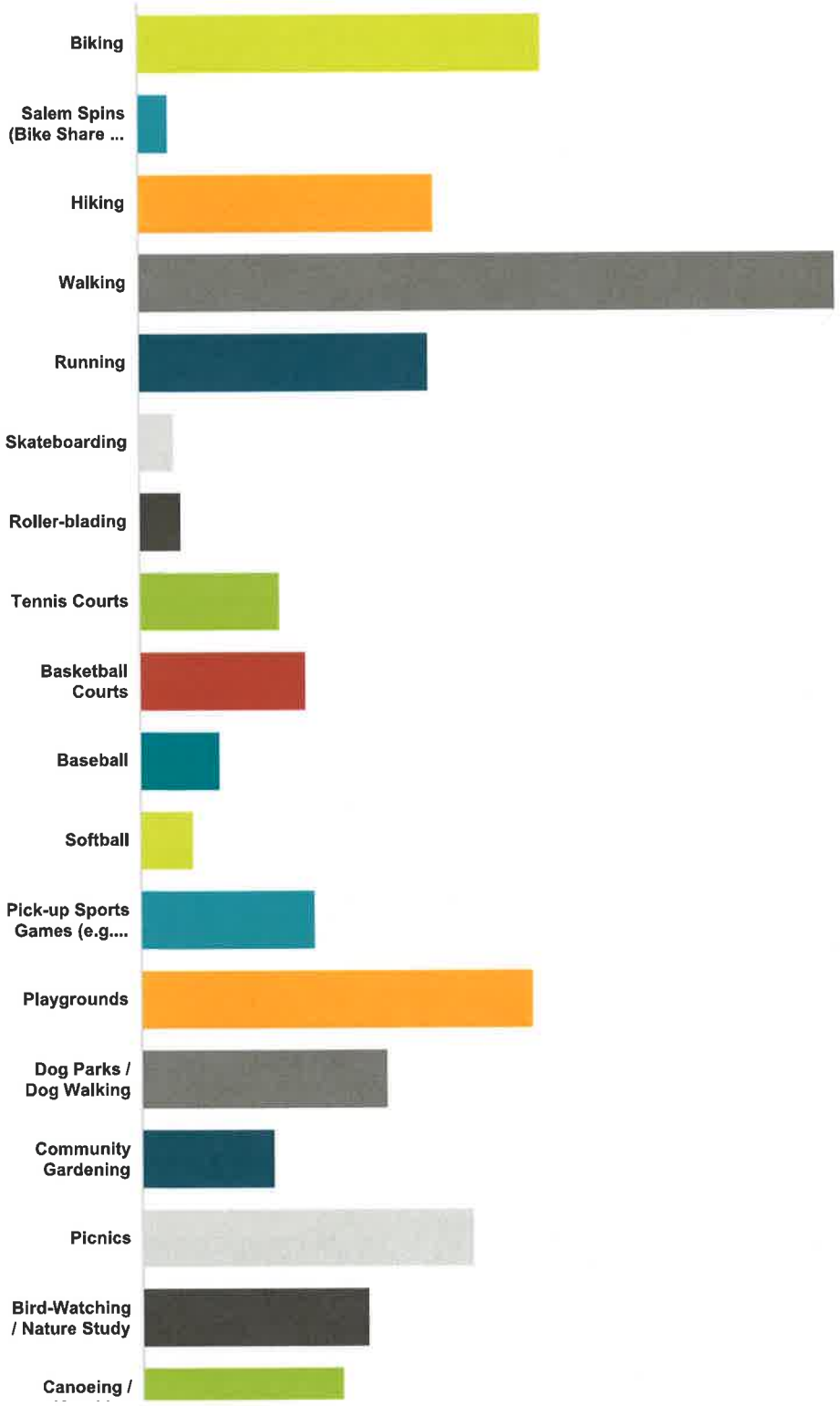
Question 28 – Other than playing fields, what other athletic/recreation facilities do you feel should be improved upon or developed to better meet the needs of the community?

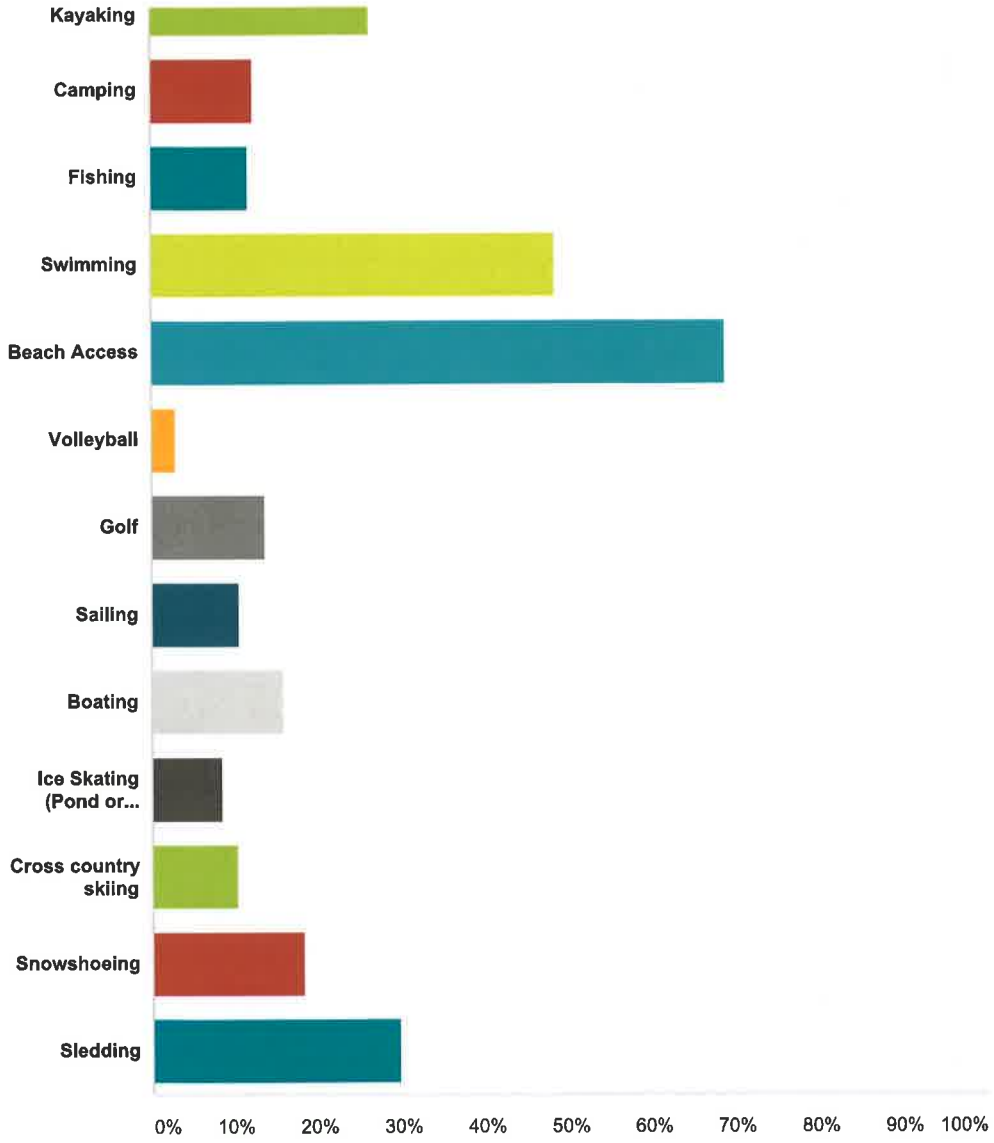
Question 29 – Which existing athletic facility do you feel should be a priority for redevelopment?

Question 35 – Do you have any additional comments or concerns related to City Parks, Athletic fields and Open Space that were not addressed by this survey? If so, please explain in the text box below, in 250 characters or less.

Q8 What informal recreational activities / facilities do you or your family participate in or attend within the City of Salem? (Check all that apply)

Answered: 448 Skipped: 6





Answer Choices	Responses	
Biking	53.13%	238
Salem Spins (Bike Share / Rental)	4.02%	18
Hiking	38.84%	174
Walking	91.74%	411
Running	37.95%	170
Skateboarding	4.69%	21
Roller-blading	5.36%	24
Tennis Courts	18.30%	82
Basketball Courts	21.65%	97

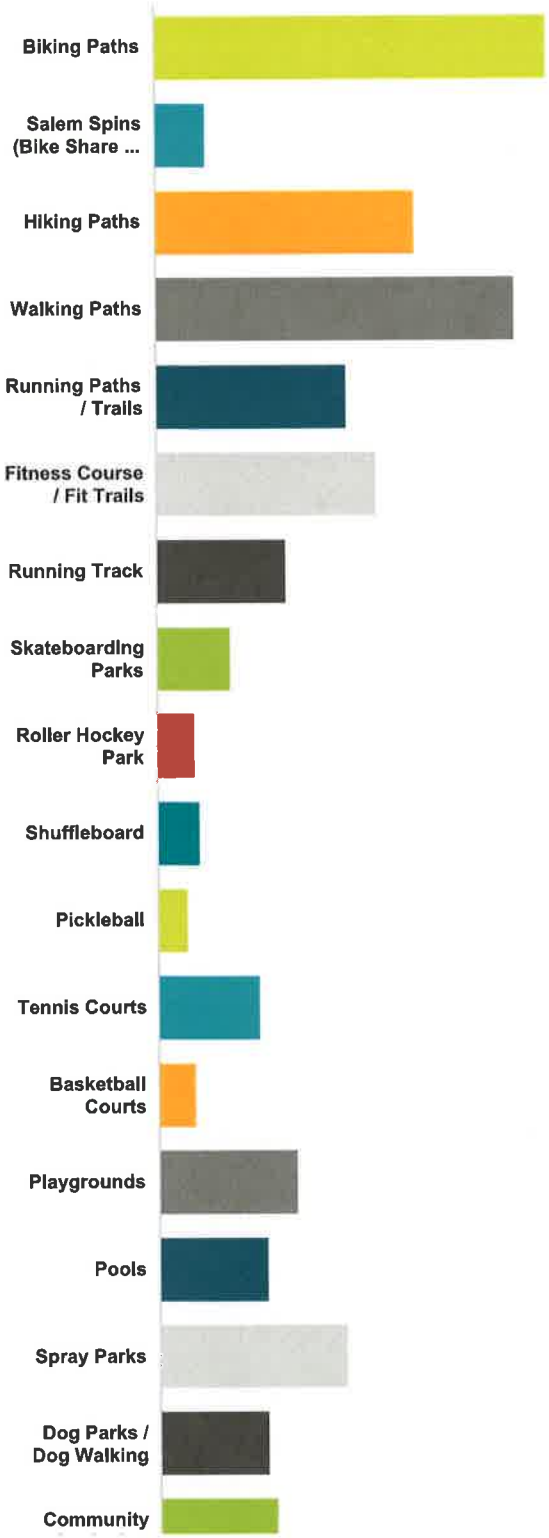
Baseball	**10.49%**	47
Softball	**6.92%**	31
Pick-up Sports Games (e.g. Soccer, Football, Frisbee)	**22.77%**	102
Playgrounds	**51.34%**	230
Dog Parks / Dog Walking	**32.14%**	144
Community Gardening	**17.41%**	78
Picnics	**43.53%**	195
Bird-Watching / Nature Study	**29.69%**	133
Canoeing / Kayaking	**26.34%**	118
Camping	**12.28%**	55
Fishing	**11.61%**	52
Swimming	**48.44%**	217
Beach Access	**68.97%**	309
Volleyball	**2.90%**	13
Golf	**13.62%**	61
Sailing	**10.49%**	47
Boating	**15.63%**	70
Ice Skating (Pond or backyard rinks)	**8.26%**	37
Cross country skiing	**10.27%**	46
Snowshoeing	**18.08%**	81
Sledding	**29.69%**	133
Total Respondents: 448		

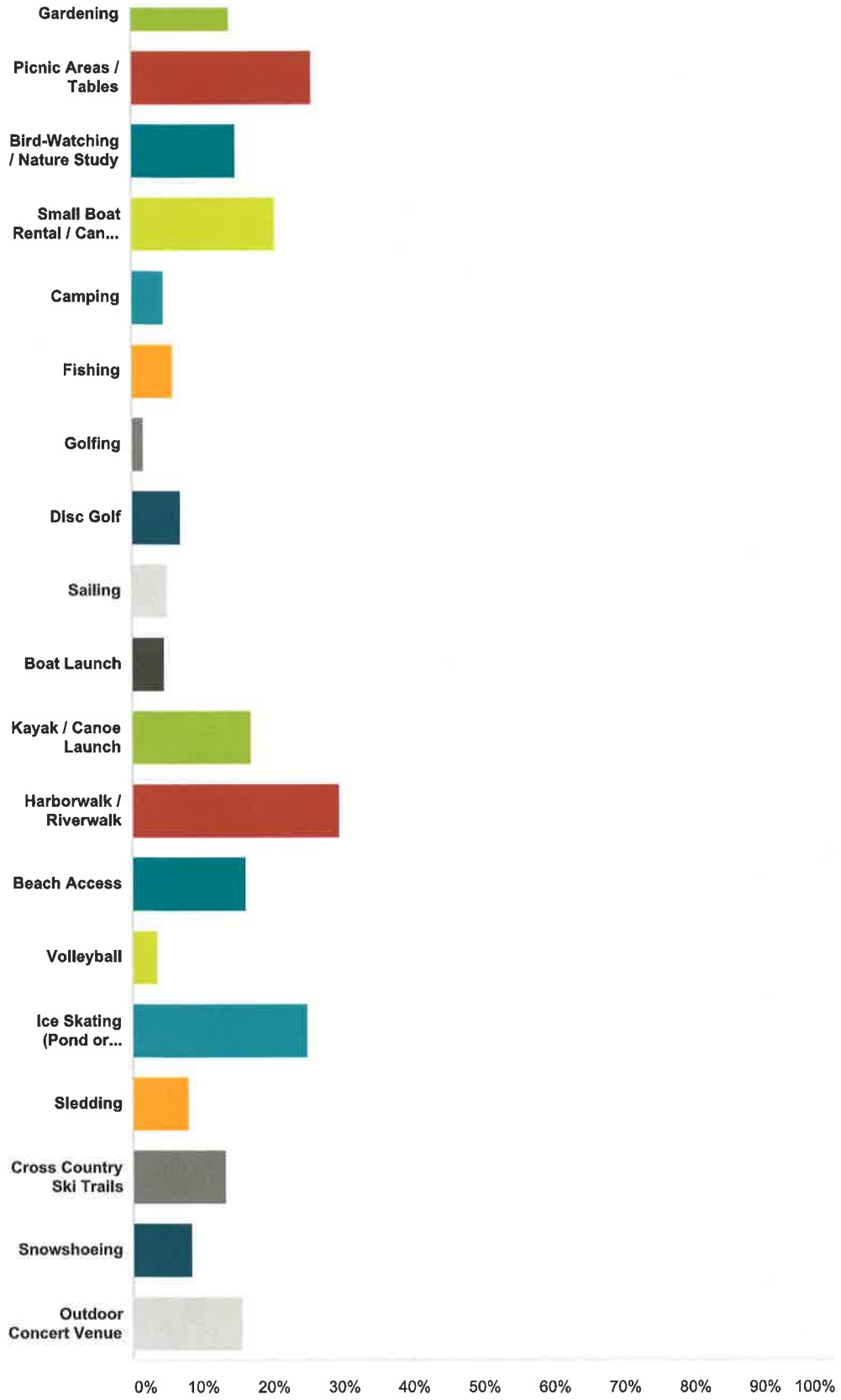
#	Other (please specify)	Date
1	Enjoying the weather	4/7/2015 11:31 AM
2	trapezing Leslie's Retreat,	4/6/2015 11:57 AM
3	Youth lacrosse	4/6/2015 11:17 AM
4	soccer fields	4/5/2015 9:17 PM
5	Soccer	4/5/2015 10:30 AM
6	Salem Youth Soccer	4/4/2015 5:38 AM
7	Soccer	4/2/2015 6:33 PM
8	ymca theatre program	4/1/2015 7:48 PM
9	observing nature	4/1/2015 7:00 PM
10	NA	4/1/2015 12:29 PM
11	Pioneer Village	3/25/2015 1:07 PM

12	visiting / enjoying parks - disabled resident	3/18/2015 4:04 PM
13	metal detecting	3/16/2015 5:44 PM
14	Paddle board	3/16/2015 5:10 PM
15	hockey-Salem State	3/16/2015 2:24 PM
16	Lacrosse	3/16/2015 12:55 PM
17	photography	3/15/2015 12:01 AM
18	Soccer	3/13/2015 4:30 PM
19	Soccer	3/13/2015 2:15 PM
20	soccer	3/13/2015 1:16 PM
21	soccer	3/13/2015 7:00 AM
22	Soccer	3/12/2015 9:51 PM
23	Youth soccer	3/12/2015 6:58 PM
24	soccer	3/12/2015 6:24 PM
25	Salem Youth Soccer, Salem Flag Football	3/12/2015 6:22 PM
26	Salem	3/12/2015 3:50 PM
27	Plein Air Painting	3/12/2015 3:15 PM
28	Movies in the parks, park clean ups, block parties	3/12/2015 2:21 PM
29	paddleboarding	3/12/2015 2:19 PM
30	Soccer	3/12/2015 1:52 PM
31	Rugby	3/12/2015 11:17 AM
32	youth soccer	3/12/2015 11:01 AM
33	playing	3/12/2015 10:23 AM
34	Soccer	3/12/2015 9:52 AM
35	Soccer team	3/12/2015 8:18 AM
36	Kayaking	3/11/2015 10:52 PM

Q9 Which type of informal recreational needs / opportunities do you feel are currently unmet or underdeveloped in the City of Salem? (Check all that apply)

Answered: 427 Skipped: 27





Answer Choices	Responses

Biking Paths	47.07%	201
Salem Spins (Bike Share / Rental)	6.09%	26
Hiking Paths	31.15%	133
Walking Paths	43.09%	184
Running Paths / Trails	22.72%	97
Fitness Course / Fit Trails	26.23%	112
Running Track	15.46%	66
Skateboarding Parks	8.67%	37
Roller Hockey Park	4.45%	19
Shuffleboard	4.92%	21
Pickleball	3.51%	15
Tennis Courts	12.18%	52
Basketball Courts	4.45%	19
Playgrounds	16.39%	70
Pools	12.88%	55
Spray Parks	22.25%	95
Dog Parks / Dog Walking	12.88%	55
Community Gardening	14.05%	60
Picnic Areas / Tables	25.76%	110
Bird-Watching / Nature Study	14.75%	63
Small Boat Rental / Canoe / Kayak	20.37%	87
Camping	4.68%	20
Fishing	5.85%	25
Golfing	1.64%	7
Disc Golf	6.79%	29
Sailing	4.92%	21
Boat Launch	4.68%	20
Kayak / Canoe Launch	16.86%	72
Harborwalk / Riverwalk	29.51%	126
Beach Access	16.16%	69
Volleyball	3.51%	15
Ice Skating (Pond or Outdoor Rinks)	24.82%	106

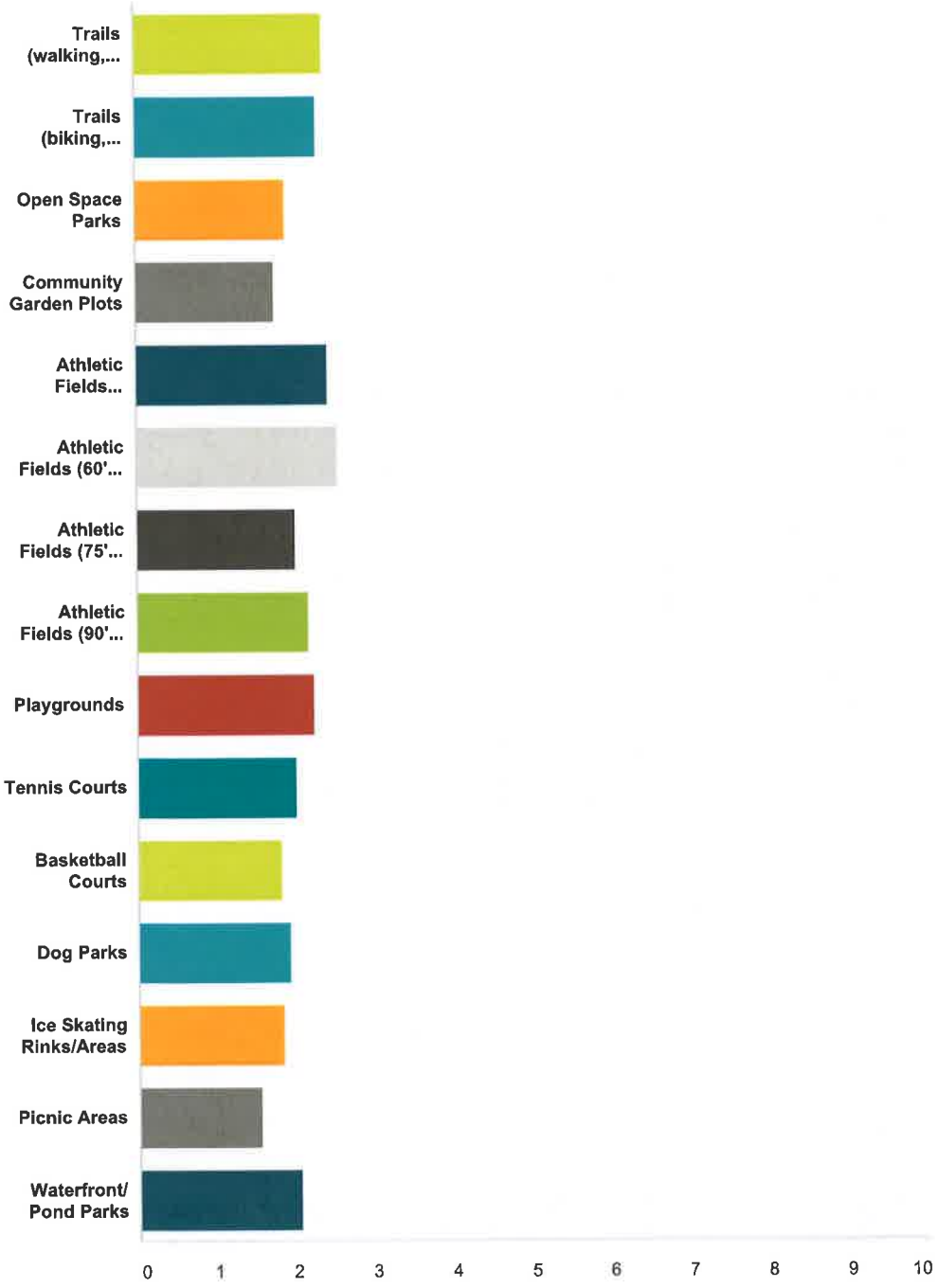
Sledding	**7.96%**	34
Cross Country Ski Trails	**13.11%**	56
Snowshoeing	**8.43%**	36
Outdoor Concert Venue	**15.46%**	66
Total Respondents: 427		

#	Other (please specify)	Date
1	Archery Hunting, no reason why the Forest river and Salem woods are not open to archery deer hunting.	4/9/2015 11:05 AM
2	we do most of our skating and cross-country skiing in other towns because salem does not have good outdoor options. also we love bicycling but its generally too dangerous for our kids to bicycle in salem.	4/6/2015 11:57 AM
3	I would really love to see the city work on our tennis courts, especially the public courts that are located behind Salem High School, those courts are in need of repair in the worst way! Both the students of Salem High School, and all the residents of Salem deserve a nice SAFE place to play	4/6/2015 11:48 AM
4	public boat docks temporary	4/5/2015 7:19 AM
5	the loss of Winter Parl Community Garden was a shame. Need lots more opportunites for both public gardens and community gardens.	4/3/2015 12:55 PM
6	Clean water for swimming	4/2/2015 10:16 AM
7	community theatre, music/ arts education for children & families.	4/1/2015 7:48 PM
8	The North River is a seriously underutilized natural resource. Consider more open space there and connect walking paths - rather than yet more unattractive development.	4/1/2015 4:18 PM
9	NA	4/1/2015 12:29 PM
10	Multi use recreational access at salem woods and campfire camp locations	3/28/2015 9:46 AM
11	track not open to community	3/26/2015 5:20 PM
12	Swimming - extended Forest River pool hours	3/25/2015 4:56 PM
13	I think all of the above meets the needs in Salem! THANK YOU	3/25/2015 4:32 PM
14	Would love to see "adult only" swim time at the rec pool.	3/24/2015 12:48 PM
15	School playgrounds	3/17/2015 10:41 AM
16	Better access to hockey rink	3/16/2015 12:55 PM
17	public natural space free of concrete/manmade structure	3/14/2015 12:56 PM
18	Soccer fields	3/13/2015 2:15 PM
19	pushes behind or the side of the field especially McGrath	3/13/2015 7:00 AM
20	Salem woods, a few new bridges needed	3/13/2015 6:45 AM
21	soccer fields	3/13/2015 5:19 AM
22	Better outdoor soccer facilities	3/12/2015 6:58 PM
23	magrath parking and snack bar needed for kids on long days at field	3/12/2015 5:07 PM
24	None	3/12/2015 5:06 PM
25	Public park fitness equipment/ Pull-up bar, etc.	3/12/2015 4:55 PM
26	Ice skating	3/12/2015 4:23 PM
27	Salem	3/12/2015 3:50 PM
28	outdoor arts in addition to Shakespeare and music at Winter Island	3/12/2015 2:59 PM

29	bocce ball courts	3/12/2015 2:30 PM
30	movie nights, block parties	3/12/2015 2:21 PM
31	Beaches need to be cleaned up and add sand	3/12/2015 12:08 PM
32	Turf 90' State of the art Baseball facility	3/12/2015 10:58 AM
33	The items I checked are available but need repair, clean-up, updating . . .	3/12/2015 9:54 AM
34	rugby field	3/12/2015 9:52 AM
35	Winter Island is great but could be updated, cleaned up	3/12/2015 8:18 AM
36	Shady benches or picnic areas	3/12/2015 7:32 AM
37	Softball fields	3/12/2015 6:42 AM
38	Babe Ruth baseball fields	3/12/2015 6:39 AM
39	ocean view parkland	3/11/2015 9:41 PM
40	cheaper kayak racks in parks	3/11/2015 8:57 PM
41	The Common would be a good central for an ice rink. It would help draw people together like the rink on the Boston Common.	3/11/2015 8:55 PM
42	bocci	3/11/2015 7:33 PM
43	None	3/11/2015 5:42 PM

Q18 Which of the following types of parks, athletic fields, and open spaces would you like to see improved in the City of Salem? (Pick Top 3 Choices)

Answered: 454 Skipped: 0



	1st Choice	2nd Choice	3rd Choice	Total	Weighted Average

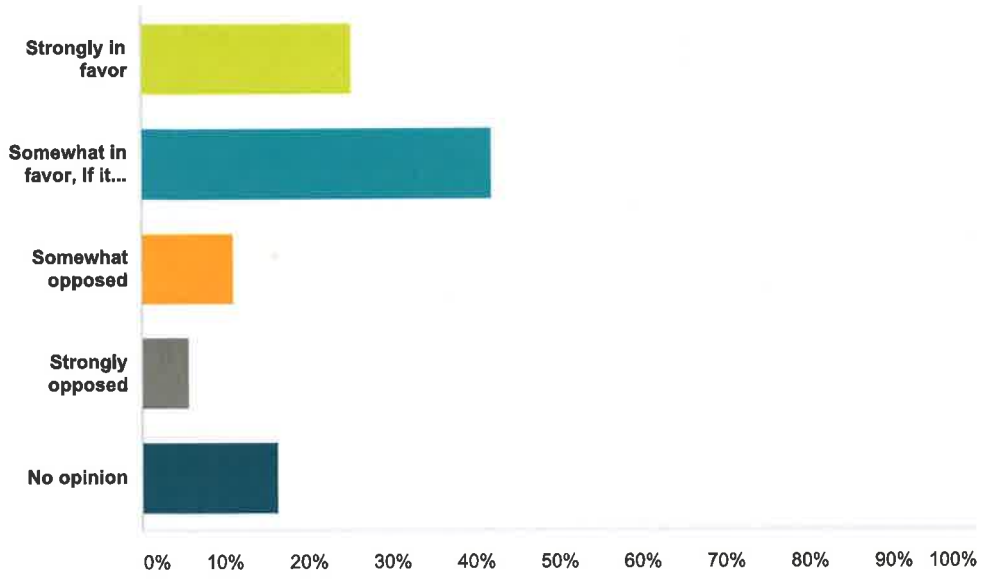
Trails (walking, hiking, etc.)	**55.24%** 137	**27.42%** 68	**17.34%** 43	248	2.38
Trails (biking, motorized sports, multi-use)	**46.94%** 46	**34.69%** 34	**18.37%** 18	98	2.29
Open Space Parks	**29.90%** 58	**30.93%** 60	**39.18%** 76	194	1.91
Community Garden Plots	**19.79%** 19	**35.42%** 34	**44.79%** 43	96	1.75
Athletic Fields (rectangular)	**57.63%** 34	**27.12%** 16	**15.25%** 9	59	2.42
Athletic Fields (60' diamond)	**54.55%** 6	**45.45%** 5	**0.00%** 0	11	2.55
Athletic Fields (75' diamond)	**18.18%** 2	**63.64%** 7	**18.18%** 2	11	2.00
Athletic Fields (90' diamond)	**41.67%** 5	**33.33%** 4	**25.00%** 3	12	2.17
Playgrounds	**42.38%** 64	**38.41%** 58	**19.21%** 29	151	2.23
Tennis Courts	**37.50%** 12	**25.00%** 8	**37.50%** 12	32	2.00
Basketball Courts	**23.81%** 5	**33.33%** 7	**42.86%** 9	21	1.81
Dog Parks	**31.25%** 20	**29.69%** 19	**39.06%** 25	64	1.92
Ice Skating Rinks/Areas	**29.69%** 19	**23.44%** 15	**46.88%** 30	64	1.83
Picnic Areas	**14.47%** 11	**25.00%** 19	**60.53%** 46	76	1.54
Waterfront/ Pond Parks	**35.11%** 79	**33.33%** 75	**31.56%** 71	225	2.04

#	Other (please specify)	Date
1	No choices/no knowledge of/I had to choose but aren't real	4/7/2015 11:31 AM
2	Open space parks that allow many types of uses...athletic fields can be very limiting and exclude most people, except during specific use.	4/6/2015 11:57 AM
3	Again, please maybe look to repair the courts behind Salem High School	4/6/2015 11:48 AM
4	Disc Golf	4/5/2015 10:30 AM
5	Love to see a public flower and plant garden in Salem	4/3/2015 12:55 PM
6	Boat Ramps please	4/1/2015 10:37 PM
7	The playgrounds in the city are are inadequate. They have had to be mostly privately funded and lack creativity. Cambridge s a wonderful example of having interesting playgrounds. The ones we do have are big pieces of plastic plopped down. Very boring. Kids loose interest fast. The common is a wonderful space. The playground is too small. Not enough swings!	4/1/2015 9:21 PM
8	Nice non rocky open beaches	4/1/2015 8:17 PM
9	concert & community theatre venues.	4/1/2015 7:48 PM
10	Bike Paths # 2 priority	4/1/2015 5:01 PM

11	Promoting walking on our City streets and connecting to trails is very important to me. This is probably not even a consideration of this department but it should be.	4/1/2015 4:18 PM
12	Kayak and canoe access ramps	4/1/2015 3:14 PM
13	Trails, NON-motorized multi-use	3/28/2015 9:46 AM
14	indoor track	3/26/2015 3:05 PM
15	track	3/26/2015 8:13 AM
16	Horace Mann Play Ground more mulch, snow off playgrounds	3/25/2015 7:48 PM
17	Splash/spray parks	3/25/2015 12:17 PM
18	public track	3/18/2015 12:21 AM
19	School playgrounds	3/17/2015 10:41 AM
20	public running track	3/16/2015 4:28 PM
21	1st choice-18 holes golf course	3/16/2015 2:24 PM
22	Softball field Mack Park	3/15/2015 11:17 PM
23	Fishing Access On New Public Piers by Power Plant!	3/15/2015 8:24 PM
24	green space	3/14/2015 12:56 PM
25	Fix the court at Gallows, the courts need to be beautified, better lit up and better maintained.	3/13/2015 7:10 PM
26	I don't understand this question. Fix the softball and baseball diamonds for little league. They are an embarrassment.	3/13/2015 1:14 PM
27	Clean up and empty trash at playgrounds and public gathering spaces, especially the Common!	3/13/2015 10:49 AM
28	outside hockey rink during winter months	3/13/2015 8:48 AM
29	Combined waterfront parks w/ those elements- biking paths, tennis, picnic areas, etc.	3/13/2015 8:48 AM
30	Keep them clean. No fees or low fees for Salem residents.	3/12/2015 8:14 PM
31	Winter Island in general, Ft. Lee trails and clean-up parking lot, Mary Jane Lee play structure repairs, prune trees	3/12/2015 6:23 PM
32	Greenlawn Cemetery Maintenance	3/12/2015 3:52 PM
33	Golf course	3/12/2015 3:50 PM
34	I chose biking trails as my first choice but am disappointed to see bicycles lumped with motorized sports. I'm specifically thinking of improvements that need to made to the rail trail (bike trail) so it is connected to the rest of the network and users don't need to traverse on busy streets.	3/12/2015 3:49 PM
35	biking (not motorized sports or multi-use= #2	3/12/2015 2:59 PM
36	Harborwalk/Waterfront walk	3/12/2015 2:36 PM
37	Running track, 1st choice	3/12/2015 10:31 AM
38	Disc golf	3/12/2015 8:01 AM
39	All Athletic Diamond sizes need updating	3/12/2015 5:33 AM
40	More Splash pads	3/12/2015 12:51 AM
41	Skateboard parks are needed to keep kids from doing it in the streets.	3/11/2015 8:43 PM
42	more beach areas such as improvements to Collins cove	3/11/2015 7:33 PM

Q19 One of the ways to extend the use of existing athletic facilities is to provide lighting. In general, what is your opinion about the possible installation of additional athletic lighting at any of the currently unlit facilities?

Answered: 445 Skipped: 9



Answer Choices	Responses	
Strongly in favor	**25.17%**	112
Somewhat in favor, if it is the best option to meet field needs	**42.02%**	187
Somewhat opposed	**11.01%**	49
Strongly opposed	**5.62%**	25
No opinion	**16.18%**	72
Total		**445**

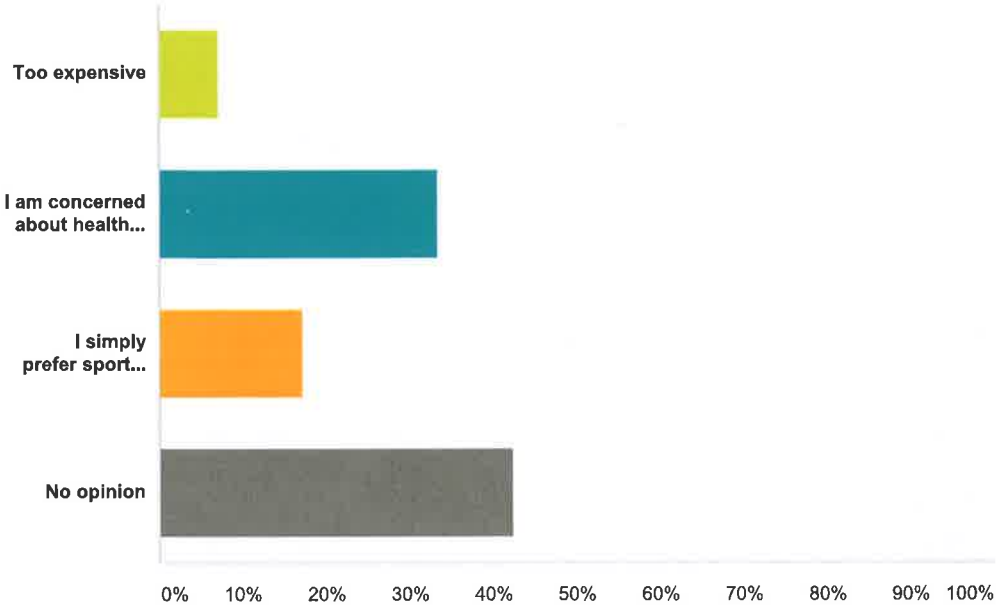
#	If in favor, where would you like to see lights installed?	Date
1	High School	4/7/2015 11:31 AM
2	Depends on the impact on the neighboring homes.	4/6/2015 11:57 AM
3	Salem High field	4/6/2015 11:17 AM
4	Splaine Park, Mack Park, Salem Common, Forest River	4/2/2015 10:32 AM
5	New tennis courts or pickleball courts	4/1/2015 6:09 PM
6	Depends on where they are proposed	4/1/2015 5:01 PM
7	where community wants but very pro LED!!! (Salem harbor walk is scary in the bad way)	3/31/2015 11:02 PM

8	Should be up to neighbors	3/28/2015 9:46 AM
9	McGrath Park upper field	3/28/2015 9:04 AM
10	McGrath Field (more lighting)	3/26/2015 3:55 PM
11	Point neighborhood	3/25/2015 7:48 PM
12	Around Forest River Park so it is safe at night in the winter	3/25/2015 6:18 PM
13	McGrath, memorial field	3/17/2015 7:18 AM
14	High St Playground	3/16/2015 1:20 PM
15	Balance need for lights while respecting the neighborhood. I.e., no 9 pm basketball, etc. near residences. No glaring lights in residential areas.	3/15/2015 8:24 PM
16	Gallows	3/13/2015 7:10 PM
17	Mcgrath and Mack	3/13/2015 4:30 PM
18	outdoor hockey rink	3/13/2015 1:17 PM
19	The soccer fields	3/13/2015 9:19 AM
20	Not sure.	3/13/2015 8:57 AM
21	McGraff feild should have lighting as well as turf field	3/13/2015 8:48 AM
22	Forest River- esp if the tennis courts are repaired there- they're practically unusable now. Also more lighting on the Common/ downtown parks. We lost that great tennis court @ Salem State when the university renovated that area.	3/13/2015 8:48 AM
23	lights at Bertram are in a sad state! what happened there?	3/12/2015 9:25 PM
24	McGrath	3/12/2015 8:01 PM
25	McGrath	3/12/2015 6:26 PM
26	High quality lighting not glare bombs. Ensure no invasive lighting that disturbs neighbors. If LED use 2000-2500K. There is lighting around Mary Jane Lee Par. It is broken. Repair and upgrade to well designed energy efficient luminaries. If ornamental lighting make sure that it illuminates paths and not install glare bombs which reduce safety. Please fix what already exists.	3/12/2015 6:23 PM
27	Furlong, Splaine, Witchcraft Heights	3/12/2015 6:22 PM
28	since installed in dog park, it had increased time spent there with my dogs	3/12/2015 5:54 PM
29	We have enough athletic fields. children need to go to bed and not be lit up for parents...	3/12/2015 5:24 PM
30	Tennis Courts	3/12/2015 3:52 PM
31	Lights to prevent crime at night at Mack Park	3/12/2015 3:49 PM
32	Cabot Farm Park, Greenlawn Cemetery	3/12/2015 3:15 PM
33	wherever it doesn't negatively impact neighbors	3/12/2015 2:59 PM
34	Forest River	3/12/2015 2:37 PM
35	McGrath	3/12/2015 2:35 PM
36	Palmer's Cove	3/12/2015 2:34 PM
37	I know that the abutters do not like bright lights	3/12/2015 2:21 PM
38	Palmer Cove Park	3/12/2015 11:17 AM
39	New 90' Diamond @ High School	3/12/2015 10:58 AM
40	Install lights that do not cause pollution.	3/12/2015 8:59 AM
41	We already have too much light pollution. Can't see the stars.	3/12/2015 1:36 AM

42	If lighting, please consider lamps the reduce light pollution.	3/11/2015 6:45 PM
43	tennis courts at the Willows	3/11/2015 6:40 PM
44	Glare lighting creates safety issues thru out the city	3/11/2015 6:37 PM
45	Use solar lighting everywhere	3/11/2015 5:39 PM

Q22 If opposed to a potential synthetic turf field, what are your primary concerns?

Answered: 311 Skipped: 143



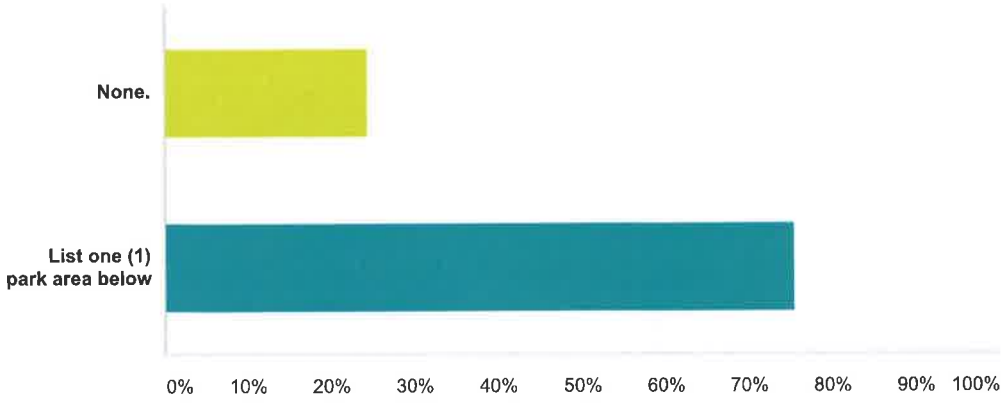
Answer Choices	Responses	
Too expensive	7.07%	22
I am concerned about health and environmental risks	33.44%	104
I simply prefer sports played on a natural turf surface	17.04%	53
No opinion	42.44%	132
Total		**311**

#	Other (please specify)	Date
1	I would want an environmental impact assessment done before that decision was made.	4/9/2015 12:21 PM
2	not long lasting	4/5/2015 7:39 PM
3	The city would make it illegal to play on them	4/5/2015 7:19 AM
4	lots of information is available on the increased injuries and possible cancer risks associated with synthetic turf.	4/3/2015 12:55 PM
5	There is a significantly higher rate of injury on turf. Don't take my word for it, see all the litigation.	3/15/2015 8:24 PM
6	Wont be maintained like all of the other facilities. No maintenance is planned into the cost.	3/15/2015 12:31 PM
7	Waste of material, incredibly environmentally damaging	3/14/2015 12:56 PM
8	it's not natural	3/14/2015 10:57 AM
9	It's good, but fix Pequot.	3/13/2015 7:10 PM
10	it went inside the eye of. my son	3/13/2015 1:16 PM

11	We are not, as a city, very good at maintaining things. Rather we let them fall into disrepair until they need to be replaced. I'm not convinced we'll maintain these.	3/13/2015 9:19 AM
12	There's not enough grass and open space in Salem. We need every bit of green we can get!	3/13/2015 8:57 AM
13	Hotter, impermeable, less eco-friendly although mowing requires fuel	3/12/2015 6:23 PM
14	less health issues etc..	3/12/2015 5:24 PM
15	City can't adequately maintain the existing fields	3/12/2015 5:06 PM
16	Check outgassing levels before purchasing.	3/12/2015 4:55 PM
17	Increased injury potential to athletes	3/12/2015 3:52 PM
18	Environmental risk concern is about contributing more runoff due to impermeable surfaces. Are synthetic turf fields available that allow water to sink through into the groundwater rather than run off, taking trash and chemicals with it into the ocean?	3/12/2015 3:49 PM
19	I am in the landscape field, synthetic turf does require expensive rigorous maintenance or it becomes unhealthy, unsightly and unusable.	3/12/2015 12:23 PM
20	More likely to get injured	3/12/2015 11:17 AM
21	Reduced maintenance cost over time justify turf fields and extends playing possibility with New England Weather	3/12/2015 10:58 AM
22	Concerned for player safety. Do not want an increase in sprains/tears of muscles if not used to playing on turf.	3/12/2015 10:31 AM
23	increase in injury to young athletes due to higher impact	3/12/2015 9:28 AM
24	Artificial turf is unsanitary and still must be maintained. Use durable low-maintenance grass varieties.	3/12/2015 1:36 AM
25	injuries	3/11/2015 8:57 PM
26	In favor, but also concerned about health risks of recycled tires on turf fields	3/11/2015 5:57 PM

Q27 Which park area (non-sport) needs improvement(s)? (If more than one area comes to mind, list the area of most dire need of improvement(s))

Answered: 323 Skipped: 131



Answer Choices	Responses	
None.	24.46%	79
List one (1) park area below	75.54%	244
Total		**323**

#	List one (1) park area below	Date
1	salem willows	4/20/2015 3:03 PM
2	Salem Willows, particularly south of arcade area (currently used as snow farm)	4/9/2015 7:03 PM
3	That disgusting, post-apocalyptic playground right next to camp naumkeg that the poor YMCA camp kids are forced to use. What an eyesore and safety hazard, and it isn't fair to force the YMCA to pony up all the money for maintenance/upgrades because the city rents that facility out and benefits from that park being in better condition. OMG what an embarrassment to our city that such a park exists in such a state.	4/9/2015 12:21 PM
4	High Street Playground	4/8/2015 11:23 AM
5	The Common	4/8/2015 11:12 AM
6	Gallows Hill skate park has junkies hanging out, rendering useless for children to play in.	4/8/2015 9:18 AM
7	Mack park	4/8/2015 8:45 AM
8	Cooling Cove	4/7/2015 7:58 PM
9	McGrath Park	4/7/2015 4:23 PM
10	Mack park	4/6/2015 8:12 PM
11	Winter Island	4/6/2015 11:57 AM
12	Tremont Street, whatever the name of that park is	4/6/2015 9:24 AM
13	Bates Elementary School is currently unusable and unsafe	4/5/2015 10:30 AM
14	Forest river	4/5/2015 8:19 AM

15	Mcglew/cabot	4/5/2015 8:06 AM
16	Palmer Cove	4/5/2015 7:19 AM
17	Trees at Forrest River	4/4/2015 5:38 AM
18	mack park. the amount of garbage and broken glass is horrendous!	4/3/2015 8:44 PM
19	Mack Park Community Garden	4/3/2015 8:22 PM
20	Winter Island	4/3/2015 3:45 PM
21	Salem Common needs a makeover!!! Looks very run down and could be much more beautiful.	4/3/2015 12:55 PM
22	The Point playground	4/2/2015 9:39 PM
23	Forest River	4/2/2015 6:51 PM
24	Forest river	4/2/2015 6:04 PM
25	Winter Island	4/2/2015 5:40 PM
26	Forest River	4/2/2015 2:54 PM
27	Forrest River	4/2/2015 12:43 PM
28	The Benches near the playground at Forest River Park	4/2/2015 11:00 AM
29	Mary Jane Park in the Point	4/2/2015 10:32 AM
30	Forrest river playground and benches	4/2/2015 10:17 AM
31	Collins Cove	4/2/2015 10:16 AM
32	Castle Hill Park	4/2/2015 10:04 AM
33	The Point	4/2/2015 9:52 AM
34	willows	4/2/2015 8:58 AM
35	gallows hill	4/1/2015 11:16 PM
36	Boat Launch	4/1/2015 10:37 PM
37	FOREST RIVER	4/1/2015 10:01 PM
38	Mack park it is a beautiful spot but it is run down, depressing and a bit scares (was alone in the community gardn and was harassed by some kids) a care taker living in the house would be great! Maybe also more community events	4/1/2015 9:21 PM
39	Willows	4/1/2015 8:17 PM
40	they all need to be kept cleaner, people need to clean up after their dogs and the goose poop is out of control.	4/1/2015 7:48 PM
41	McGlew Park	4/1/2015 7:04 PM
42	Gallows Hill	4/1/2015 7:00 PM
43	Salem Woods	4/1/2015 6:09 PM
44	the playground at the old girls scout camp - sorry state of affairs	4/1/2015 5:01 PM
45	Salem Willows	4/1/2015 4:21 PM
46	Peabody St park - it's more of a parking lot than a park.	4/1/2015 4:21 PM
47	Forest River	4/1/2015 4:10 PM
48	The nature trail in both sections of salem woods	4/1/2015 3:49 PM
49	leslie's retreat	4/1/2015 3:46 PM
50	willows	4/1/2015 3:18 PM
51	Pickman Park - Basketball park and fence surrounding community garden	4/1/2015 3:16 PM

52	Blaney Wharf	4/1/2015 3:14 PM
53	Palmer Cove	4/1/2015 12:33 PM
54	NA	4/1/2015 12:29 PM
55	The art in LafayettePark looks great, keep improving turf! Why does our historical marker brag that we deluded only 20 years ago. that's our great contribution to Salem in South Salem?!	3/31/2015 11:02 PM
56	Top of gallows hill	3/30/2015 7:05 PM
57	High/Pratt Street playground	3/30/2015 10:29 AM
58	More effort on involving and informing the community to get more feedback about parks. For example this survey was posted no where except on the Salem web site and little to no information was sent to public i.e. direct mail campaign.	3/28/2015 9:46 AM
59	gallows hill lower area	3/28/2015 9:04 AM
60	Collins cove playground	3/27/2015 6:28 PM
61	picnic tables at Forest River Park	3/27/2015 6:22 PM
62	The playground behind Lifebridge on Pratt St.	3/26/2015 3:55 PM
63	Lafayette Park needs to be less of a drug market and more of a park.	3/26/2015 1:38 PM
64	Winter Island	3/26/2015 10:01 AM
65	Forest River	3/26/2015 9:52 AM
66	Colins Cove	3/26/2015 9:39 AM
67	FOREST RIVER POOL	3/26/2015 9:38 AM
68	15	3/26/2015 9:08 AM
69	Winter Island	3/26/2015 8:46 AM
70	salem common	3/26/2015 8:13 AM
71	Mary Jane Park, Peabody St. Park (is it even a playground?)	3/25/2015 7:48 PM
72	Park at Jefferson and Lawrence St	3/25/2015 4:56 PM
73	Fort Lee	3/25/2015 1:07 PM
74	Bike lanes throughout	3/25/2015 9:44 AM
75	high st.	3/25/2015 8:49 AM
76	The park off Loring ave, next to the back of Salem University	3/25/2015 7:23 AM
77	Collins cove	3/24/2015 10:45 PM
78	Willows - needs better parking	3/24/2015 12:48 PM
79	McGlew Park	3/23/2015 8:56 PM
80	The Point's Park	3/23/2015 7:06 PM
81	Willows Park – Trees were badly damaged this winter.	3/22/2015 4:58 PM
82	Improved playground facilities at McGlew	3/21/2015 9:32 PM
83	Forest River	3/20/2015 8:04 PM
84	collins cove	3/18/2015 5:18 PM
85	Willows	3/18/2015 4:04 PM
86	High St. playground...broken glass, broken fences	3/18/2015 11:20 AM
87	forest river	3/18/2015 4:59 AM

88	Winter Island	3/17/2015 8:33 PM
89	bike paths	3/17/2015 5:44 PM
90	Greater endicott street neighborhood	3/17/2015 10:41 AM
91	Winter Island	3/17/2015 9:36 AM
92	dog park	3/16/2015 10:14 PM
93	Forest River	3/16/2015 7:52 PM
94	High Street Playground	3/16/2015 5:19 PM
95	Bates Elementary School Playground	3/16/2015 5:00 PM
96	Cemetery at broad street	3/16/2015 4:30 PM
97	castle hill	3/16/2015 2:24 PM
98	High Street Playground	3/16/2015 1:20 PM
99	Mary Jane Lee	3/16/2015 10:30 AM
100	Bates Elementary School Playground	3/16/2015 10:23 AM
101	Off north st	3/16/2015 7:51 AM
102	Trees	3/15/2015 11:17 PM
103	McCabe Park/Natural Gas Pipeline. What were they thinking? KCC got a lot of money for that, the City of Salem did not. No more public space for corporations.	3/15/2015 8:24 PM
104	Salem Willows	3/15/2015 6:50 PM
105	Collins Cove - barely usable condition; dangerous drops	3/15/2015 4:50 PM
106	salem willow	3/15/2015 4:12 PM
107	Castle Hill	3/15/2015 12:31 PM
108	N/A	3/15/2015 12:01 AM
109	Mack Park softball field is not nearly as well maintained as Forest River boys fields.	3/14/2015 11:39 PM
110	An indoor play area for ages 0-7	3/14/2015 10:27 PM
111	Canal & Lafayette Streets	3/14/2015 6:19 PM
112	Leslie's Retreat Park	3/14/2015 3:27 PM
113	Magrath	3/14/2015 1:46 PM
114	Mack Park	3/14/2015 12:53 PM
115	Need bathroom for kids near common	3/14/2015 10:05 AM
116	Forest River Park, where I go most frequently, needs better upkeep in general, such as removing fallen branches, and leaves. There is always a lot of litter around the playground. More signage/ waste barrels?	3/14/2015 9:46 AM
117	Upper portion of Gallows hill off of Hanson St	3/14/2015 6:19 AM
118	salem willows	3/13/2015 10:59 PM
119	mac	3/13/2015 7:27 PM
120	Gallows Hill	3/13/2015 7:10 PM
121	North Street Park	3/13/2015 1:41 PM
122	Salem Woods	3/13/2015 1:17 PM
123	I don't understand this question	3/13/2015 1:14 PM
124	Forest River Park	3/13/2015 12:42 PM

125	Forest River Conservation Area	3/13/2015 11:12 AM
126	Common cleanliness...needles have been found at playground! Homeless issues	3/13/2015 10:49 AM
127	playground at Collins Cove	3/13/2015 9:19 AM
128	Greenlawn Cemetery	3/13/2015 9:01 AM
129	McGlew park	3/13/2015 8:57 AM
130	Winter Island & Forest River Park	3/13/2015 8:48 AM
131	pickman park/traffic pattern	3/13/2015 7:15 AM
132	Forest River	3/13/2015 7:03 AM
133	mcgrath	3/13/2015 5:19 AM
134	Forest River Conservation Area	3/13/2015 4:00 AM
135	Mary Jane Lee Park	3/13/2015 12:32 AM
136	Greenlawn Cemetery	3/12/2015 9:29 PM
137	forest river	3/12/2015 9:25 PM
138	Forest River	3/12/2015 9:11 PM
139	Forest river	3/12/2015 8:44 PM
140	Beaches are disgraceful. Common should be polished.	3/12/2015 8:14 PM
141	Forest river	3/12/2015 8:01 PM
142	salem willows	3/12/2015 7:48 PM
143	Forest River	3/12/2015 7:07 PM
144	Forest River Park	3/12/2015 6:58 PM
145	Forest river	3/12/2015 6:50 PM
146	Collins Cove	3/12/2015 6:44 PM
147	Mack park	3/12/2015 6:38 PM
148	Mack park	3/12/2015 6:27 PM
149	Mack Park	3/12/2015 6:23 PM
150	the point, usually overcrowded and needs more space for multi aged and multi interest in various sports and games	3/12/2015 5:54 PM
151	mcglue	3/12/2015 5:45 PM
152	broad st needs cleaning	3/12/2015 5:07 PM
153	Pickman	3/12/2015 5:06 PM
154	Forest River	3/12/2015 5:05 PM
155	The Common	3/12/2015 4:55 PM
156	Willows	3/12/2015 4:49 PM
157	Forest River Park - please police the dogs (and their irresponsible owners) and pick up the needles and nips	3/12/2015 4:44 PM
158	Greenlawn Cemetery - too few workers for the job to do.	3/12/2015 3:52 PM
159	Pickman Park	3/12/2015 3:50 PM
160	Mack Park needs safer entrances & crosswalks & speed bumps to slow down traffic & keep pedestrians & dogs safe	3/12/2015 3:49 PM
161	Forest River Park	3/12/2015 3:49 PM

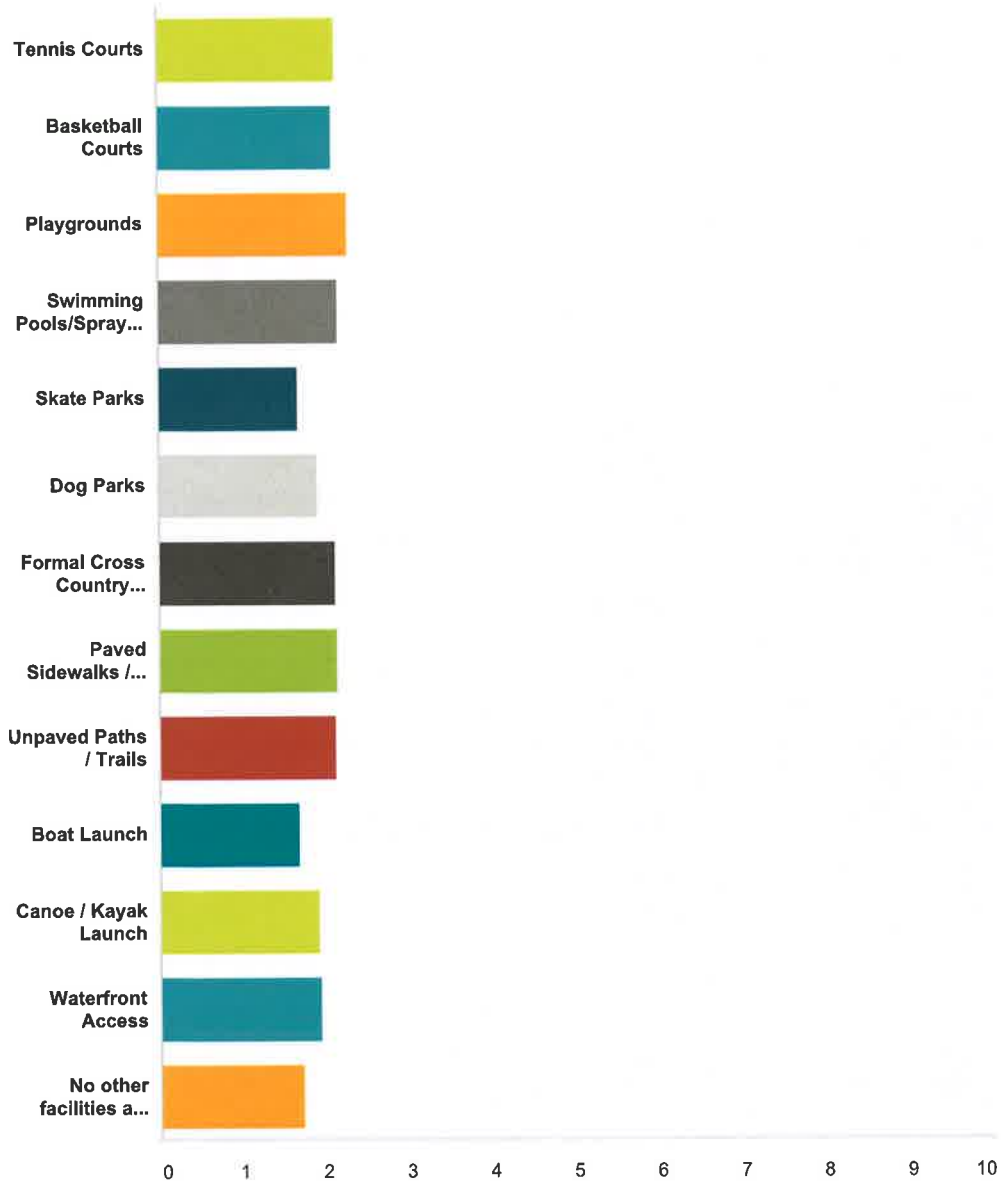
162	Forest River playground	3/12/2015 3:38 PM
163	Cabot Farm Park	3/12/2015 3:15 PM
164	Greenlawn Cemetery	3/12/2015 3:14 PM
165	Mary Jane Lee	3/12/2015 2:59 PM
166	McCabe by Kernwood Bridge	3/12/2015 2:47 PM
167	Mack Park	3/12/2015 2:45 PM
168	Forest River	3/12/2015 2:37 PM
169	The parking lot and tennis courts at Forest River Park	3/12/2015 2:36 PM
170	McGlew Park	3/12/2015 2:30 PM
171	Collins Cove	3/12/2015 2:20 PM
172	Forest River Park	3/12/2015 2:18 PM
173	MAry Jane Lee Park	3/12/2015 2:07 PM
174	Forest River, Winter Island, Salem Woods	3/12/2015 1:59 PM
175	Mack Park	3/12/2015 1:58 PM
176	McGlew Park	3/12/2015 1:47 PM
177	Winter Island	3/12/2015 1:18 PM
178	gallows hill	3/12/2015 12:55 PM
179	Lafayette Park	3/12/2015 12:25 PM
180	Salem Willows has some areas in need of improvement.	3/12/2015 12:23 PM
181	Gallows	3/12/2015 12:20 PM
182	The commons	3/12/2015 12:08 PM
183	McGlew Park	3/12/2015 11:46 AM
184	The upper part of Gallow Hill looks like it's from a creepy horror movie	3/12/2015 11:17 AM
185	The Point playground near Derby St. Insufficient equipment - nothing for small kids.	3/12/2015 11:05 AM
186	Intersection at Jefferson Ave & Lawrence St	3/12/2015 10:58 AM
187	Cabot Farm Park	3/12/2015 10:45 AM
188	North River....needs landscape maintenence, and some safe places to sit.	3/12/2015 10:37 AM
189	Collins Cove	3/12/2015 10:31 AM
190	Mack park	3/12/2015 10:13 AM
191	Gallows Hill	3/12/2015 10:09 AM
192	Mack Park	3/12/2015 9:59 AM
193	Fort Lee	3/12/2015 9:56 AM
194	Salem Willows park looks shabby, it is probably the most used and should get more attention.	3/12/2015 9:54 AM
195	Winter Island playground	3/12/2015 9:28 AM
196	There is an open space park on Jefferson and Lawrence that is just a big garbage pit with no appeal	3/12/2015 9:08 AM
197	Collins cove	3/12/2015 8:42 AM
198	Forest River park	3/12/2015 8:42 AM
199	dog park	3/12/2015 8:25 AM

200	The park with tank near Bentley school	3/12/2015 8:17 AM
201	Collins Cove	3/12/2015 7:48 AM
202	Mcglew	3/12/2015 7:40 AM
203	Mack park	3/12/2015 7:37 AM
204	McGlew	3/12/2015 7:32 AM
205	Mack park	3/12/2015 6:57 AM
206	Salem Commons	3/12/2015 6:35 AM
207	common	3/12/2015 6:26 AM
208	Collins cove beachfront	3/12/2015 5:58 AM
209	playground near collins cove	3/12/2015 5:50 AM
210	the Palmer Cove park	3/12/2015 1:36 AM
211	Palmer cove park	3/12/2015 12:51 AM
212	Collins cove	3/11/2015 11:00 PM
213	The willows/winter island	3/11/2015 10:52 PM
214	Winter Island/Beaches need better cleaning	3/11/2015 10:46 PM
215	Winter Island	3/11/2015 10:34 PM
216	gallows hill park	3/11/2015 9:44 PM
217	The whole harbor ring.	3/11/2015 9:41 PM
218	It would be nice to have more swings at the Common. The handicapped swing is up now, but it was out for a long time over the summer. Making sure it's there for use should be a priority.	3/11/2015 9:29 PM
219	Salem Woods	3/11/2015 9:16 PM
220	essex st park	3/11/2015 8:59 PM
221	Leslie's Retreat Park	3/11/2015 8:57 PM
222	Salem Willows is a beautiful area but really needs to be better maintained	3/11/2015 8:33 PM
223	Park next to Dead Horse Beach	3/11/2015 8:19 PM
224	Winter Island	3/11/2015 7:48 PM
225	Collins cove beach	3/11/2015 7:33 PM
226	Outdoor Tennis courts at Salem High School	3/11/2015 7:08 PM
227	common	3/11/2015 6:57 PM
228	McGlew Park	3/11/2015 6:52 PM
229	trash pick up at all park areas needs to be improved	3/11/2015 6:40 PM
230	Upper Gallows Hill playground (basketball court, swings)	3/11/2015 6:24 PM
231	Forest River Park	3/11/2015 6:23 PM
232	Salem Common	3/11/2015 6:02 PM
233	they ALL need improvement	3/11/2015 5:59 PM
234	Furlong Park	3/11/2015 5:57 PM
235	Fort Lee	3/11/2015 5:57 PM
236	The Common. This should be the jewel of the city.	3/11/2015 5:39 PM

237	Collins Cove	3/11/2015 4:55 PM
238	Pickman Park	3/11/2015 4:52 PM
239	beach area at the only beach access park in ward six is disgusting	3/11/2015 4:51 PM
240	mack park	3/11/2015 4:49 PM
241	Salem Common	3/11/2015 4:36 PM
242	Salem Commons fix the wooden structure	3/11/2015 4:34 PM
243	Salem Waterfront Park playground (next to Camp Naumkeag)	3/11/2015 4:23 PM
244	Winter Island	3/11/2015 4:17 PM

Q28 Other than playing fields, what other athletic/recreation facilities do you feel should be improved upon or developed to better meet the needs of the community? (Pick Top 3 Choices)

Answered: 454 Skipped: 0



	1st Choice	2nd Choice	3rd Choice	Total	Weighted Average
Tennis Courts	**38.96%** 30	**35.06%** 27	**25.97%** 20	77	2.13
Basketball Courts	**39.66%** 23	**29.31%** 17	**31.03%** 18	58	2.09

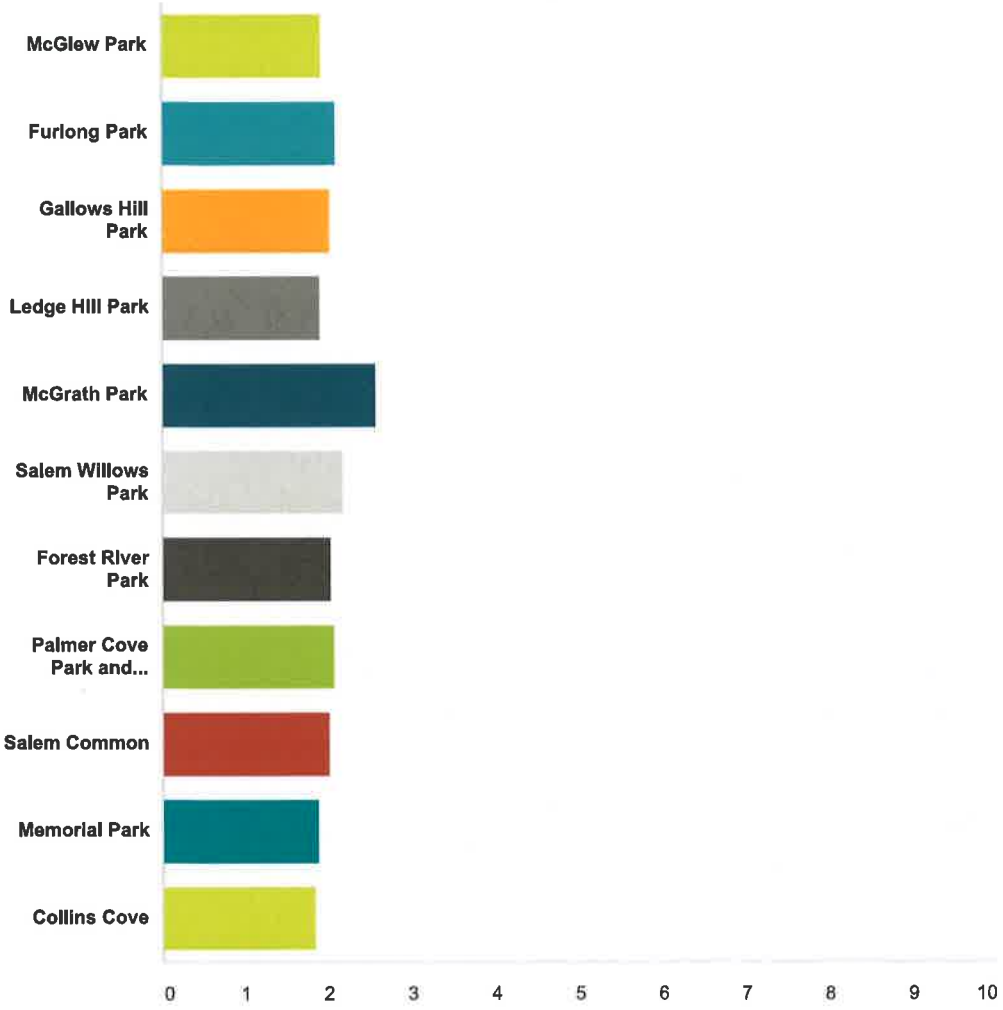
Playgrounds	**47.27%** 78	**32.12%** 53	**20.61%** 34	165	2.27
Swimming Pools/Spray Parks	**37.74%** 60	**40.25%** 64	**22.01%** 35	159	2.16
Skate Parks	**20.51%** 8	**25.64%** 10	**53.85%** 21	39	1.67
Dog Parks	**35.90%** 28	**17.95%** 14	**46.15%** 36	78	1.90
Formal Cross Country (Running) Course	**43.86%** 25	**22.81%** 13	**33.33%** 19	57	2.11
Paved Sidewalks / Paths / Trails	**40.83%** 89	**31.65%** 69	**27.52%** 60	218	2.13
Unpaved Paths / Trails	**36.84%** 70	**36.32%** 69	**26.84%** 51	190	2.10
Boat Launch	**21.05%** 4	**26.32%** 5	**52.63%** 10	19	1.68
Canoe / Kayak Launch	**24.29%** 17	**42.86%** 30	**32.86%** 23	70	1.91
Waterfront Access	**32.02%** 65	**28.08%** 57	**39.90%** 81	203	1.92
No other facilities are needed in Salem	**27.59%** 8	**17.24%** 5	**55.17%** 16	29	1.72

#	Other (please specify)	Date
1	The sidewalks all over our city are in shameful disrepair. FIX THEM!! Make them safe and handicap accessible!	4/9/2015 12:21 PM
2	More paved paths for seniors	4/7/2015 11:31 AM
3	Disc Golf in Salem would be great	4/5/2015 10:30 AM
4	First choice is more public gardens and community garden space. No more dog parks please.	4/3/2015 12:55 PM
5	Indoor Recreational Field/Courts for Winter Training	4/2/2015 10:04 AM
6	Paved Golf Course Cart Paths	4/2/2015 9:52 AM
7	bike paths	4/1/2015 5:01 PM
8	Choices are not accurate--was required to pick but they are NA to me	4/1/2015 12:29 PM
9	Ice skating rink 1st choice	3/26/2015 10:06 PM
10	Skating Rink	3/26/2015 3:24 PM
11	Formal biking paths for safe off road use.	3/26/2015 8:46 AM
12	Again, gym for after-school programs.	3/25/2015 7:48 PM
13	Please put in BATHROOMS	3/25/2015 2:56 PM
14	kayak storage racks for rent -- easily accessible to a launching area	3/23/2015 6:27 PM
15	indoor space	3/17/2015 8:33 PM
16	Community Gardens in Ward 1	3/17/2015 9:36 AM
17	public running track	3/16/2015 4:28 PM
18	1st choice-18 holes golf course	3/16/2015 2:24 PM
19	Hockey rink	3/16/2015 7:51 AM

20	Skating Rinks, Fishing Access, and (possibly) Equestrian Access/Stables.	3/15/2015 8:24 PM
21	open green space	3/14/2015 12:56 PM
22	Would love a spray park!	3/14/2015 9:46 AM
23	I don't understand this question. Why am I forced to answer a question taht I can't answer? Makes your results very unreliable. bad survey design!	3/13/2015 1:14 PM
24	access to indoor skating facility (i.e. O'Keefe Center)	3/13/2015 12:56 PM
25	It would be great to have a beach that is actually nice to go to.	3/13/2015 9:18 AM
26	out door ice rink during the winter months	3/13/2015 8:48 AM
27	ice skating	3/13/2015 7:15 AM
28	Community gardens	3/13/2015 12:32 AM
29	Beaches and seawalls are disgraceful.	3/12/2015 8:14 PM
30	First-Parks where people can relax, walk, read	3/12/2015 6:23 PM
31	Skating rink	3/12/2015 4:23 PM
32	golf course	3/12/2015 3:50 PM
33	unpaved paths/trails -- I'd like to make these more accessible to people who don't use them -- not by physically improving them but by making people more aware of them (Salem Woods, for example). The woods over by the Willows need to be used more by citizens so that homeless are discouraged from building camps there.	3/12/2015 3:49 PM
34	movie nights, block parties	3/12/2015 2:21 PM
35	90' Baseball Diamond @ Salem High School	3/12/2015 10:58 AM
36	Beaches, they used to bring in sand from Cranes Beach each year, (it washes away in winter). I haven't noticed that as much, Dead Horse Beach could use sand as well as Forest River Beaches.	3/12/2015 9:54 AM
37	indoor facility where yoga, taichi, etc. can be practiced	3/12/2015 1:36 AM
38	Ice skating rink on the Common	3/11/2015 8:55 PM
39	cross country skiing	3/11/2015 6:40 PM
40	Volleyball courts	3/11/2015 6:37 PM
41	Ice skating rink/paddle tennis court	3/11/2015 6:12 PM
42	Golf course cart paths	3/11/2015 5:42 PM

Q29 Which existing athletic facility do you feel should be a priority for redevelopment? (Pick Top 3 Choices)

Answered: 454 Skipped: 0



	1st Choice	2nd Choice	3rd Choice	Total	Weighted Average
McGlew Park	**34.07%** 31	**24.18%** 22	**41.76%** 38	91	1.92
Furlong Park	**32.69%** 17	**42.31%** 22	**25.00%** 13	52	2.08
Gallows Hill Park	**34.51%** 39	**32.74%** 37	**32.74%** 37	113	2.02
Ledge Hill Park	**18.52%** 5	**51.85%** 14	**29.63%** 8	27	1.89
McGrath Park	**68.42%** 39	**19.30%** 11	**12.28%** 7	57	2.56

Salem Willows Park	**43.45%** 126	**30.00%** 87	**26.55%** 77	290	2.17
Forest River Park	**34.11%** 73	**34.11%** 73	**31.78%** 68	214	2.02
Palmer Cove Park and Playground	**35.20%** 44	**35.20%** 44	**29.60%** 37	125	2.06
Salem Common	**32.60%** 59	**35.91%** 65	**31.49%** 57	181	2.01
Memorial Park	**25.53%** 12	**36.17%** 17	**38.30%** 18	47	1.87
Collins Cove	**29.09%** 48	**24.85%** 41	**46.06%** 76	165	1.83

#	Other (please specify)	Date
1	That gross park next to Camp Naumkeg!! YUCK. It just screams, "This place is totally abandoned and unwatched. Come do drugs and solicit here!"	4/9/2015 12:21 PM
2	Winter Island!	4/6/2015 11:57 AM
3	Tennis Courts Behind Salem High School!	4/6/2015 11:48 AM
4	#1 Bates Elementary School playground	4/5/2015 10:30 AM
5	Mac Park	4/3/2015 12:55 PM
6	please define redevelopment	4/2/2015 10:16 AM
7	Castle Hill	4/2/2015 10:04 AM
8	NA	4/1/2015 10:37 PM
9	Forest river bathrooms, beaches and swimming pool needs to be cleaned up!!!!! Also, the forest, or trees and paths are wonderful but in desperate need of fixing up!!	4/1/2015 9:21 PM
10	na	4/1/2015 8:54 PM
11	winter island	4/1/2015 7:48 PM
12	Mack Park	4/1/2015 5:01 PM
13	What does redevelopment mean in this context? If building something then, none. Also, why is Winter Island not listed?	4/1/2015 4:18 PM
14	I have no opinion...do not know all the parks	4/1/2015 3:46 PM
15	Pickman Park	4/1/2015 3:16 PM
16	Choices are not accurate--was required to pick but they are NA to me	4/1/2015 12:29 PM
17	Peabody street park	3/31/2015 11:02 PM
18	High/Pratt St playground	3/30/2015 10:29 AM
19	Winter Island	3/26/2015 3:24 PM
20	Mary Jane Park!	3/25/2015 7:48 PM
21	The park off Loring Ave and next to Salem University	3/25/2015 7:23 AM
22	Most of these areas need bathrooms - sitting through baseball & soccer games for 3 hours can be tough for those with small bladders!	3/24/2015 12:48 PM
23	na	3/18/2015 4:04 PM
24	Winter island	3/18/2015 4:59 AM

25	Winter Island	3/17/2015 8:33 PM
26	Greater endicott neighborhood	3/17/2015 10:41 AM
27	endicott st park	3/16/2015 5:44 PM
28	CASTLE HILL	3/16/2015 2:24 PM
29	Pickman	3/16/2015 12:55 PM
30	Outdoor skating on the Common. Possibly indoor skating in the WI Hangar.	3/15/2015 8:24 PM
31	Mack	3/14/2015 11:39 PM
32	Mac Park	3/14/2015 1:46 PM
33	Bathrooms can be a huge asset to a park for mothers with toddlers/ young children.	3/14/2015 9:46 AM
34	Pequot	3/13/2015 7:10 PM
35	winter Island hanger- convert to indoor facility (hockey, indoor soccer)	3/13/2015 1:17 PM
36	Why am i forced to answer this question? I don't have ah answer. makes your survey unreliable.	3/13/2015 1:14 PM
37	Broad Street Playground (expand & incorporate Middle School Programs)	3/13/2015 11:16 AM
38	Mack park	3/13/2015 7:18 AM
39	I dont know… I dont go to parks… Just the salem woods and the dog park	3/13/2015 6:45 AM
40	none	3/13/2015 4:00 AM
41	Winter Island--1ST Choice	3/12/2015 8:42 PM
42	Beaches	3/12/2015 8:14 PM
43	Mack Park	3/12/2015 6:44 PM
44	Mack Park, Palmer Cove and Mary Jane Lee Park courts	3/12/2015 6:23 PM
45	Castle Hill, Witchcraft ball field.	3/12/2015 6:22 PM
46	I'm not familiar enough to say. Common fence! Collins Cove could probably use a spiff.	3/12/2015 6:10 PM
47	Winter Island	3/12/2015 5:24 PM
48	Disregard - no opinion, but can't leave blank	3/12/2015 4:24 PM
49	Winter island	3/12/2015 4:23 PM
50	Pickman Park	3/12/2015 3:50 PM
51	Cabot Farm	3/12/2015 3:50 PM
52	Furlong Park looks beautiful after all the improvements done there!! Palmer Cove should be prettier and more welcoming to Salem Point neighbors. Salem Greenspace & the community gardens are a great start!	3/12/2015 3:49 PM
53	Lafayette park	3/12/2015 12:25 PM
54	mack park	3/12/2015 11:01 AM
55	Mack Park, Winter Island	3/12/2015 10:13 AM
56	Cabot Farm	3/12/2015 9:56 AM
57	Mack park	3/12/2015 9:42 AM
58	Winters island	3/12/2015 7:43 AM
59	Mack Park	3/12/2015 7:37 AM
60	Mack park	3/12/2015 7:32 AM
61	I love the playgrounds/parks that we visit. I'm unaware of some of these parks, so I don't feel like I can rank them.	3/12/2015 7:23 AM

62	Mac park #1 choice	3/12/2015 6:42 AM
63	Winter Island	3/11/2015 10:52 PM
64	I haven't lived here long enough to know yet.	3/11/2015 9:41 PM
65	Winter Island!	3/11/2015 8:57 PM
66	Cabot street (farm?) playground	3/11/2015 6:52 PM
67	McCabe Park	3/11/2015 5:58 PM
68	I only know three and they are in good condition	3/11/2015 5:42 PM
69	I'm terrible at remembering park name	3/11/2015 4:51 PM
70	Salem Waterfront Park (next to Camp Naumkeag)	3/11/2015 4:23 PM

Q35 Do you have any additional comments or concerns related to City Parks, Athletic Fields and Open Spaces that were not addressed by this survey? If so, please explain in the text box below, in 250 characters or less.

Answered: 138 Skipped: 316

#	Responses	Date
1	Salem has a whitetail deer population that is not being controlled. Deer are traveling throughout the city, into yards and city streets, several have already been stuck by automobiles. Deer also carry ticks that can spread Lyme disease.	4/9/2015 11:05 AM
2	Lots of criminal activity at Collins Cove Park	4/7/2015 7:58 PM
3	McGrath Park- would love to see easier access to the surrounding neighborhoods. This area would be great for some walking paths to join the neighborhoods around here, with the park as a central hub.	4/7/2015 4:23 PM
4	#7 we use multiple way get to parks. #18 more bicycle not motorized. Willows is a mess and lost opportunity	4/6/2015 11:57 AM
5	I really do hope there is a chance to help fix the tennis courts behind Salem High School. Thank you for your time and consideration!	4/6/2015 11:48 AM
6	Get rid of the dumpster outside of Pioneer Village, it's a disgusting thing for any Salem visitor to have to see/smell!	4/6/2015 9:24 AM
7	no	4/5/2015 7:39 PM
8	Bad survey...times out before I could finish X 2.,,I just gave up	4/5/2015 5:00 PM
9	Bathrooms available at all locations, PLEASE!!!	4/5/2015 10:30 AM
10	City needs full time dog enforcement to control off leash and dog waste issues	4/5/2015 8:19 AM
11	policing the creepers hanging out at forest river in their cars. policing the drunks and the weed smokers on the benches along the water at Palmer Cove.	4/5/2015 7:19 AM
12	Salem has great parks. Tend to your trees and keep the drug dealers away.	4/4/2015 5:38 AM
13	Track at Bertram field open to the public	4/3/2015 3:45 PM
14	The lights at the salem common playground area at night attract loud teenagers (like moths) who play and hollar late at nighton the kiddie swings and jungle gym. Turn off lights at 10pm	4/2/2015 4:45 PM
15	please focus on restoration of waterfront parks to address sea level rise and other climate change impacts	4/2/2015 10:16 AM
16	My biggest concern is dogs running freein parks. I was knocked down once while jogging and my son was jumped on while riding his bike around FRP..	4/2/2015 7:09 AM
17	Like I Said let's improve what we have!!!!!	4/1/2015 9:21 PM
18	Class up the willows tear down arcade	4/1/2015 8:17 PM
19	Salem needs to be kept CLEANER. PEOPLE ARE SO DISGUSTING, LEAVING TRASH, DOG POOP AND OTHER STUFF. Last spring/ summer my kids found (among other gross things) used tampons, used condoms and a few needles in or around playgrounds.	4/1/2015 7:48 PM
20	Parks need to be a safe place because of drug activity; therefore police have to be involved.	4/1/2015 7:00 PM
21	I am very disappointed in the way that the low budget fix to the tennis courts in Salem Willows	4/1/2015 6:09 PM
22	Item 33 should have comment section - It all depends on what the open space is being used for, if there is a good reason to acquire it, such as scenic area, provides views to the waterfront etc.	4/1/2015 5:01 PM

23	this survey was too long. Several questions needed a "not applicable/no opinion" option	4/1/2015 3:46 PM
24	Bathrooms at Forest River Park need to be completely rehabilitated.	4/1/2015 3:16 PM
25	Thanks!	4/1/2015 3:14 PM
26	That slide on cardboard in Forest river park, this marks me as an outsider, I am sure it is a rite of passage to leave massive skin on that concrete but all i see is blood borne disease transfer.	3/31/2015 11:02 PM
27	fix up salem parks	3/30/2015 7:05 PM
28	Salem needs to look closer at maximizing revenue generating options (parking passes, etc.) and better year round use of sites like the golf course that become (un-restricted) giant dog parks in the winter...	3/28/2015 9:46 AM
29	Off leash dogs constantly ruin my experience at Forest River. cops on bikes! Basketball court area at Forest River really needs to be redone. the court area itself is really neglected looking, very dirty. need new bleachers.	3/27/2015 6:22 PM
30	Would be interested in understanding the feasibility and economics of a shuttle system linking the facilities.	3/26/2015 3:24 PM
31	In the past Wicked Running or Twoomey running has had a challenging time getting use of the highschool track with lights when not in use. If it is not being used by the school it should be available	3/26/2015 3:05 PM
32	Not every empty lot needs to be developed.	3/26/2015 1:38 PM
33	Limit dog access to all city beaches, parks, athletic fields and open spaces.	3/26/2015 9:39 AM
34	The biking chevron up against parking lanes is an invite to get "Doored", reconsider locations. Consideration for a multi-use park w/ structured bike paths suitable for possible bike races would be a great addition for year round use and revenue.	3/26/2015 8:46 AM
35	Please try to fix the after-school gym problem. Schools have priority even though the after-school programs are paying rent and are required physical activity. Also, fix up the parks in the point neighborhood and not just in other places of the city.	3/25/2015 7:48 PM
36	Thank you! Especially for the Bike rent program near the Hawthorne Hotel; Salem Woods is a treasure and gem!	3/25/2015 4:56 PM
37	We should resolve the flooding issues in O'Grady Field.	3/25/2015 4:32 PM
38	In light of educational concerns I think that the lights at Forest River Little League field should be inoperable until the school year ends.	3/25/2015 4:06 PM
39	Do something with the random park on the corner of School and Buffum. Or at least stop calling it a park!	3/25/2015 12:17 PM
40	Fences and gates at playgrounds no brainier	3/24/2015 10:45 PM
41	Porta-potties and/or bathrooms at baseball & soccer fields	3/24/2015 12:48 PM
42	No, Thank you for your service and dedication to our parks and recreations.	3/23/2015 7:06 PM
43	I moved here recently so really couldn't answer many of the questions, but thank you for surveying the citizens.	3/23/2015 6:27 PM
44	I'd like to see support for schools that don't have the budget for recreational improvements (playgrounds, outdoor facilities). I'd like to see the trees at Greenlawn cared for and properly labelled.	3/21/2015 9:32 PM
45	Forest River Park should should be cleared of garbage regularly, especially during the summer when families have parties. It should get the same care as the Salem a Commons.	3/20/2015 8:04 PM
46	I would like to see lifeguards restored at the beaches in summer	3/18/2015 5:18 PM
47	improved / properly maintained walkways and HP access in parks and outdoor spaces, HP accessible tables (and other features) so all can enjoy these areas	3/18/2015 4:04 PM
48	1. Parks and public spaces are often littered with trash and cigarette butts. Maintaining and beautifying existing spaces should be top priority. 2. Winter Island is a great natural asset that is not well utilized or easily accessible.	3/17/2015 8:33 PM
49	School playgrounds	3/17/2015 10:41 AM
50	Bring back the Ward 1 community garden	3/17/2015 9:36 AM
51	Need improvements to the High Street Playground such as security cameras, lighting, picnic area, resurfacing, and better design/use of space available.	3/16/2015 1:20 PM
52	I would like to see greater care and maintenence given to our open spaces	3/15/2015 8:24 PM

53	Salem must assure the upkeep of current property before it considers purchasing additional property. Current public areas are often neglected. After that, if the city were to invest in creating a waterfront boardwalk area, I would support it.	3/15/2015 6:50 PM
54	Repairs to Collins Cove seem very slow and inadequate; safety issues (including structure and regular fireworks every year) have been seemingly ignored.	3/15/2015 4:50 PM
55	Need a maintenance plan for all of the spaces and not need to figure this out every year.	3/15/2015 12:31 PM
56	There is a regular number of Salem High Students going to Highland Park on Story Road after school and smoking marijuana.	3/14/2015 7:08 PM
57	No	3/14/2015 6:19 PM
58	Current City Project Team does not check work of vendors. We have a history of paying vendors for poor/incomplete work. Costing the City extra money.	3/14/2015 1:46 PM
59	Salem has too much concrete/cement covered areas, it would be both nice and very environmentally conscious to have more open green space free from pesticides/herbicides. It would be more visually appealing and better for the earth.	3/14/2015 12:56 PM
60	bathroom at common	3/14/2015 10:05 AM
61	Alright, Pequots Basketball court needs addressing. Court must be flat, with correct line dimensions, new backboard (preferably glass), lighting on the court is a must.	3/13/2015 7:10 PM
62	Many of our open spaces and parks are nice, but need more manpower to properly maintain them. That is where money could be focused, in the hiring of new, energetic people for the DPW	3/13/2015 5:33 PM
63	Security should be increased throughout the city. Drug sales and usage need to be closely monitored and eliminated for the safety of all residents and visitors.	3/13/2015 1:23 PM
64	This survey was not very good. I hope the city didn't pay someone to create it.	3/13/2015 1:14 PM
65	Many of the parks are heavily used, but don't appear well maintained	3/13/2015 12:56 PM
66	Better maintenance and grooming of the trails in Salem Woods	3/13/2015 12:53 PM
67	The city sometimes neglects parks to the point of requiring expensive and extensive improvements	3/13/2015 11:59 AM
68	The City needs a transparent park and playground maintenance and improvement program, and a public monitoring committee. The last group never met after adopting the extended 5 year plan.	3/13/2015 11:16 AM
69	trash always full, dangerous trash in playgrounds (needles, condoms, broken glass) make them unsafe for use	3/13/2015 10:49 AM
70	Maintenance needs to be more of a priority. Playgrounds should be maintained, not replaced.	3/13/2015 9:19 AM
71	The concrete "slide" in Forrest River Park is so dangerous. Kids slide down it on cardboard & sleds in the winter. It's just a matter of time before someone gets seriously injured & the town gets sued.	3/13/2015 8:57 AM
72	Parking at McGath during soccer season is horrible as well as the field condition. Another field made of turf in a different location would work. Outside hockey rink for winter months at Forest or Common	3/13/2015 8:48 AM
73	Forest River, the Common, & Winter Island/ the Willows	3/13/2015 8:48 AM
74	thanks for asking...	3/13/2015 7:15 AM
75	no	3/13/2015 6:45 AM
76	McGrath really needs lights to accommodate the amount of soccer teams that practice during the week nights.	3/13/2015 6:05 AM
77	Winter Island should be for Salem Residents ONLY	3/13/2015 4:00 AM
78	Thank you for your hard work!	3/13/2015 12:32 AM
79	what will protect the city park/basketball court at rainbow terrace when Rainbow terrace is sold to Salem state	3/12/2015 9:25 PM
80	Staff the playgrounds with instructors. Keep them clean. Patrol them. Kick out bums and dealers. CLEAN THE BEACHES. Truck in sand. Repair the seawalls.	3/12/2015 8:14 PM
81	Best practices:annual audit conditions, comprehensive maintenance plan. Repair structures, fencing, facilities. Trash/litter removal: bring in bring out policy: Forest River Park/Willows, Salem Woods	3/12/2015 6:23 PM

82	In general the fields are atrocious. Little League is forced to pay to have city fields maintained? Too bad you have a 250 chctr limit, I have a lot of specific feedback to provide.	3/12/2015 6:22 PM
83	Attractive development of the North St/Franklin Street gateway to the city including more varied use green space that emphasizes sensitivity to the existing residential area of North Fields that abuts it.	3/12/2015 5:37 PM
84	Little League needs to be shut down earlier as most children need the sleep to attend school and not be up till 11 PM	3/12/2015 5:24 PM
85	Better maintenaince is much better than expansion	3/12/2015 5:06 PM
86	Forest River playground needs a fence around it. It is used by both big kids and little and children with disabilities should have the safety of a confining space.	3/12/2015 5:05 PM
87	Small grassy areas near the Pedestrian Mall Fountain, like Lappin Park.	3/12/2015 4:55 PM
88	Very concerned with the condition of trees and landscaping. Why do you let cars park for free on tree roots at willows. Most parks can be walked too, charge a small fee to park, use to maintain parks. We need some good landscaping.	3/12/2015 4:49 PM
89	The Cemetery staff has been cut too far, and given too many jobs to do, that quality of Greenlawn Cemetery has deterioated.	3/12/2015 3:52 PM
90	Salem	3/12/2015 3:50 PM
91	Thank you for checking in with residents about this! Less pesticides & herbicides in our parks - Is Salem incorporating more natural water filtration (rain gardens, etc)?	3/12/2015 3:49 PM
92	Greenlawn Cemetery should have more attention. It's a true gem and the city needs to spend more time and money maintaining it ..... In my opinion.	3/12/2015 3:47 PM
93	Parks lack adaquate trash facilities and pickup	3/12/2015 3:27 PM
94	basically Rec Dept does a good job--community gardens good addition!	3/12/2015 2:59 PM
95	We need a playground on Jefferson ave and Lawrence st	3/12/2015 2:43 PM
96	I would not let physical trainers have classes on the commons or at other city parks. That is why I moved away from the common. Every morning and evening they had "boot camp" like classes consuming the park.	3/12/2015 2:37 PM
97	We love to use the parks in Salem. I always think litter/trash is an issue as well.	3/12/2015 2:36 PM
98	Palmer Cove baseball field. Fix the lights and put back the fences. Its the onlt 90 foot diamond in Salem that's worth fixing. THE HIGH SCHOOL SHOULD HAVE A FIELD THEY ARE PROUD OF!	3/12/2015 2:34 PM
99	Movie nights are wonderful, fun and inexpensive family activity. Please support	3/12/2015 2:21 PM
100	A solid, regular maintenance program and hot top repair where needed.	3/12/2015 2:18 PM
101	More fruit trees and Native plants.	3/12/2015 2:07 PM
102	We need info brochures at local business people don't know about the many great parks like Forest river. brochures with trail map and info would be great!	3/12/2015 1:59 PM
103	the softball field at McGlew has very poor drainage and turns into mud	3/12/2015 1:47 PM
104	Million dollar clean-up at McGrath was money poorly spent. No topsoil put in place so grass doesn't grow. And where are the bathroom? It's embarassing to attend home games. Salem can do better.	3/12/2015 12:37 PM
105	I feel that part of a good Parks plan is the connections to and between the Parks. The streets and sidewalks that people use to walk (and bike!) are really as important as the Parks themselves.	3/12/2015 12:23 PM
106	Keeping Salem facilities only for Salem residents would help in maintaining and preserving our city	3/12/2015 12:20 PM
107	Thanks for all you do! Public spaces are a huge factor in my family deciding to stay and live in Salem as our kids get older.	3/12/2015 11:05 AM
108	Long term planning is always worthwhile in establishing priorities, your challenge will be to identify broad based needs and recommend projects that will have meaningful impact.	3/12/2015 10:58 AM
109	teach people to take care and not vandalize	3/12/2015 10:23 AM
110	Girls Softball fields/facilities are neglected year after year...	3/12/2015 10:13 AM

111	Overall Salem does a good job w/ open spaces. We enjoy the Common & Forest River & the Willows. Gallows Hill, however, needs work. Litter is an issue & people live there in tents. Also, more off leash, open space for dogs. Thank you!!	3/12/2015 10:09 AM
112	I know Ft Lee is not a Salem Park, but if it could be cleaned up, it would become an asset, not an eye-sore.	3/12/2015 9:56 AM
113	The River walk down behind Wendy's is depressing and dirty. Maintainance seems to be the biggest issue with all the parks.	3/12/2015 9:54 AM
114	it is a bit difficult to assess our outdoor space when we are still under snow	3/12/2015 9:42 AM
115	hundres use McGrath and has a reputation of beign one of the worst field on the north shore, there are safetly issues, it is not regulation, and concession stand was never replaced, need bathrooms and additional parking	3/12/2015 9:28 AM
116	Max. esources for areas they can help. For instance tree limping can occur on shoulder months, major park clean ups can be partnered with neighborhood associations and schools... We need to create more community PRIDE, and hold all accountable.	3/12/2015 8:42 AM
117	Parks are great, but with so many other demands in town –roads, water pipes, etc-- they come in as a distant priority.	3/12/2015 8:08 AM
118	More trees throughout city	3/12/2015 7:32 AM
119	With two small children, I've been really happy to have a number of quality, safe playgrounds within walking distance of our house. I would love to see more walking trails and swimming or splash park access for summer days.	3/12/2015 7:23 AM
120	Witchcraft Heights school playground has broken play structures. Hadn't been fixed in quite some time.	3/12/2015 6:52 AM
121	Spend more money! Most are shabby at best, they look bad to visitors	3/12/2015 5:58 AM
122	No and Thank you for all you do.	3/12/2015 5:33 AM
123	Restore natural wetlands to aid in flood/water abatement on Jefferson Ave. and Canal St.	3/12/2015 1:36 AM
124	re: q7, depending on the location, we drive, bike or walk	3/11/2015 10:46 PM
125	Pedestrian routes between open spaces need to be prioritized. I moved here 1.5 years ago and it's clear that the city privileges cars over pedestrians. Many very difficult intersections in the downtown area.	3/11/2015 9:41 PM
126	Salem	3/11/2015 8:59 PM
127	Closer monitoring of dogs off leash at the Willows, the Common, and Forest River	3/11/2015 8:55 PM
128	Kids need a place where they can skateboard safely. They are skateboarding downtown (Lafayette and Derby and Central Sts). It is dangerous.	3/11/2015 8:43 PM
129	The Salem Willows should be a beautiful park, but it is not well maintained	3/11/2015 8:33 PM
130	I think there needs to be better maintained parks. Trash is a real problem & isn't empties enough. Also more recycling bins are needed at ALL the parks	3/11/2015 8:08 PM
131	I only answered question 29 to allow completing this survey. My responses are nonsense, I picked 123 as listed. I don't even know what those sites are.	3/11/2015 7:48 PM
132	trash pick up needs to be a priority at all existing parks; a community clean up day would be a good idea, along with regular trash removal from barrels.	3/11/2015 6:40 PM
133	More outdoor winter activities	3/11/2015 6:12 PM
134	we need a city organized volunteer group to maintain these parks	3/11/2015 5:59 PM
135	The so-called & useless "open space" along Bridge St below the Old Salem Jail needs to be converted to metered parking	3/11/2015 5:57 PM
136	I have no idea what the budget is	3/11/2015 5:35 PM
137	I think we should first focus on improving the spaces we have before adding more parks.	3/11/2015 4:36 PM
138	I am a daily user of parks and open spaces in Salem. My biggest concern is the amount of trash, squatting, and other remnants of park misuse. These problems make me feel unsafe when I am using the more remote parks.	3/11/2015 4:17 PM

Enclosure 2

Input Meeting Minutes

Gale Associates, Inc.
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COMMUNITY MEETING MINUTES NO. 1

Project Name: City of Salem
Recreation Facility Needs Assessment and Open Space Master Planning
Date: February 23, 2015
Location/Time Salem, MA
Gale JN: 716760

Conference Attendees:

Name	Company	Email
Tom Devine	Salem Planning & Community Development	tdevine@salem.com
Eric Roise	Gale	eqr@gainc.com
Tyson Catlett	Gale	btc@gainc.com
Salem Community Attendees	N/A	

Item #:	Description of Item	Action Required By
1.00	Purchasing properties to preserve open space? Do something with open space on Palmer St.	Record
1.01	Perception of city parks and open spaces? Need more parking at park areas. Interested in improvements to Lafayette Park. City maintenance has improved in recent years for this park area. Benches removed from Lafayette Park due to undesirables utilizing the benches in recent years. Lafayette Park is an undeveloped resource. Parks aren't used by families. Would like to see more kids and amenities such as grills, etc. Want parks to be a family scene. Safety concerns for parks. Need more police presence. Parks are attracting undesirables. There are no facilities for kids. There is no place to engage adults. Salem parks are not a welcoming place.	Record
1.02	Peabody Park: Not used by families. Undesirables use this park. The park needs revamping. Need call box on walkway to Peabody Park. Peabody Street Park is running rampant with undesirables.	Record

1.03	Additional Security? Need more patrol in downtown area. There are drug sales on Palmer Street. Need clear signage and lighting for park safety. Volunteers do landscaping. Want more City funding for maintenance and upkeep of City parks. Want more visibility by police.	Record
1.04	Athletic Facilities? Incorporate a track at Palmer Cove. The track could be a full 400-meter track or a walking/jogging track. Desire more walking and biking paths in the City and at Salem State. Provide more biking trails in parks to get people off of the roads. There is a path that links Salem to Marblehead. Desire more indoor type facilities for use in the winter, especially provide indoor basketball courts. The children's playground in the Salem Commons has maintenance issues.	Record
1.05	Walkability? Interested in a walkable city with better lighting in park areas. Walking paths are very important for the community and the sidewalks should be better kept and maintained.	Record
1.06	Trees and Landscaped Areas? Hawthorne St. needs better tree maintenance. Lafayette St. used to have better trees. There is a need to replace dead trees. Tree trimming required at Berkeley St., Lynch St., Leavitt St. and Harper St. where branches are very low. Willows park's inventory of willow trees has diminished significantly. Water is ponding on existing paths due to uneven grades and low spots in the center of walks. Paths need to be repaired at Salem Commons. There is no courtesy shown to the American flag, particularly at Salem Commons and City Hall. The flag is not raised and lowered every day and it is not lighted properly. The City should integrate youth programs and adopt-a-flag programs to raise/lower the flag.	Record
1.07	Park upgrades: Need more multi-generational parks such as the Mary Jane Lee Park. The parks need more a mix of uses to appeal to all generations.	Record

	There should be better beach access at Palmer Cove. The water is shallow and there is a good beach area. There is a dog use issue with Owners not picking up after their dogs, particularly at Palmer Cove. More hard court space is needed at Palmer Cove. Skateboarders are ruining park benches. Mansell skatepark needs improvements.	

Next meeting, Community Meeting No. 2, will be held on Monday, March 9, 2015 at 6:00 p.m.

Please note that the Action Required By column is not solely the responsibility of the organizations listed. All parties will be required to review each description and perform the associated work described. This column is intended to allow each party a quick reference as to what will be required prior to the next construction meeting.

These minutes have been recorded as understood by this writer. Should there be any errors or omissions, please feel free to contact me as this document is considered to be accurate.

Respectfully submitted,

GALE ASSOCIATES, INC.

B. Tyson Catlett, P.E.
Project Engineer

BTC/lad

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COMMUNITY MEETING MINUTES NO. 2

Project Name: City of Salem
Recreation Facility Needs Assessment and Open Space Master Planning
Date: March 9, 2015
Location/Time Salem, MA
Gale JN: 716760

Conference Attendees:

Name	Company	Email
Tom Devine	Salem Planning & Community Development	tdevine@salem.com
Eric Roise	Gale	eqr@gainc.com
Tyson Catlett	Gale	btc@gainc.com
Karen Partanen	Recreation Department	kpartanen@salem.com
Salem Community Attendees	N/A	

Item #:	Description of Item	Action Required By
2.00	The community survey was made available to the public. The links to the survey will be posted on the City's website. It was stated that the survey will be open for three (3) weeks from this date, but may be held open for a bit longer depending on the amount of responses within the initial three (3) week period. Tom to send the links to the PTOs. Any comments or questions with the survey should be directed to Tom Devine or Karen Partanen.	Record
2.01	City and Park Lighting There were concerns for providing night lighting within the parks and whether the site evaluations will include evaluations of site lighting. It was noted that there is light pollution (spill) at Salem Common. There was interest in providing lighting that is dark sky compliant. Many of the flood lights in the City are not aimed properly. This holds true at the Dog Park, where one cannot see the sidewalk at night due to mis-directive lighting.	Record

2.02	<u>Open Spaces</u> There was uncertainty as to what distinguished open spaces vs. park areas. Open spaces were explained as undeveloped areas, trails or areas where passive recreation uses were prevalent. Interest in utilizing CPA funds to acquire open spaces. Also interest in utilizing CPA funds to develop parks. Representatives from CPA noted that there is a mechanism to develop parks that the City already owns using CPA funds. Interest in looking at the Power Plant property for acquisition of open space.	Record
2.03	<u>Additional Security?</u> Interest in security cameras. Interest in blue light call boxes and the ability to install those in any location (what is required in terms of infrastructure and total cost). High Street playground needs two (2) more security cameras as the park is susceptible to vandalism, drug use and loitering. There is vandalism at Mack Park and stealing of community garden items. Fireworks are sometimes set off at Mack Park as well.	Record
2.04	For the record, there is an agreement in place with the Power Plant to maintain the bike path through the Power Plant property.	
2.05	<u>Tree Management Program</u> Many comments related to the poor tree care within the City. There does not appear to be any sort of tree management program in place. Many trees in Greenlawn Cemetery are over 1/2 dead and are dangerous due to their size and instability. It was noted that the trees in Greenlawn Cemetery are in horrendous condition. Trees on LaFayette Street are not maintained properly and some need to be replaced and replanted. The City is aggressively taking down trees on LaFayette St. which has diminished the aesthetics of this area tremendously.	

	Mack Park has a lovely trail that is overburdened with poison ivy and littered with temporary shelters that impose safety concerns. Gale explained that invasive species removal and weed control would fall under a tree management program. The tree management program would fall under the umbrella of the Department of Public Works (DPW).	
2.06	Bates Elementary School Playground is unsafe. There are plans to rebuild the playground. There are also plans to provide a community garden area in a vacant overgrown parking lot on the Bates School property. It is hopeful that the plans to rebuild the playground and develop the community garden will be addressed through grants or CPA funding. The maintenance agreement needs to be worked out with the School Dept. or DPW. Bates is not the only school lacking a playground within the School District. The School District Facilities Department does maintain all of the School District playgrounds.	Record
2.07	Utilization of Parks and Open Spaces There were inquiries as to how the facilities were being ranked in terms of utilization for parks and open spaces. Gale explained that open space areas were being judged based on accessibility, infrastructure, drainage and related site characteristics. Park areas that may contain athletic facilities were being judged similarly but were also evaluated based on field usage data to determine if the fields were over- or under-utilized.	Record
2.08	There was an interest in including a neighborhood association discussion in the final report.	Record
2.09	It was made known that there is a need for restroom facilities at McGrath Park. The restrooms at Salem Willows Park are in disrepair.	Record
2.10	Greenlawn Cemetery is an open space in the City and is used for walking and jogging. Interest in tree identification at Greenlawn Cemetery.	
2.11	Waikiki Beach requires some clean-up of the beach area.	
2.12	There was a former toboggan run at Gallows Hill that needs to be re-established.	
2.13	Winter Island is home to historic site features. Master plan performed in 2011 & 2012 for the Winter Island Area. This study should include provisions for noting the status of historical sites and features.	

2.14	As part of the Master Plan, there should be a discussion of short money "low hanging fruit" action items which can have an immediate impact on the City. An example of a low-cost improvement could be the implementation of distance markers along typical walking routes.	
2.15	Interest in the Master Plan Report including climate change vulnerability assessment which speaks to areas that are susceptible to climate change. Tom stated that this may be out of the scope of the project. Gale did state that FEMA flood mapping would be researched for each site as part of the base mapping and assessment of the City Parks.	
2.16	The process of the project was discussed. It was noted that since the Working Group Meetings and the Community Meetings have non-binding votes, they are not subject to the MA public meeting law. The representatives of the Working Group were chosen by the Mayor. There was interest in including a slide in the presentation, which lists the representatives of the Working Group.	
2.17	Interest in reconstructing High St. Park. There is an old picnic structure and an old basketball court that has safety issues. More grassed area and benches are desired in this park.	
2.18	An outdoor ice skating rink is desired in Salem.	
2.19	Parks and individual fields or playground equipment are not being analyzed for the area of influence for each respective facility.	
2.20	<u>Maintenance</u> Park maintenance is a concern throughout the City. New parks are also not being kept up and are left to degrade accordingly. Interest in the Master Plan Report speaking to maintenance numbers required to keep the facilities in working order. These numbers should be realistic, not lofty figures. Upkeep of the facilities should be done in a timely manner before facilities are in disrepair. There is an interest to be more proactive addressing maintenance.	
2.21	High Street playground is cleaned up by volunteers. The Master Plan Report should track these situations and include costs for clean-up of parks and open spaces as part of the maintenance budget.	

2.22	It was discussed that buildings located on parks and open spaces will not be evaluated as part of this study as they are out of the scope of the project.	
2.23	The City's Open Space and Recreation Plan (OSRP) expired in April of 2014. Gale is contracted to update the OSRP in addition to the services provided for the City wide needs assessment and master plan which is evaluating the athletic component of the City's Parks and Open Spaces.	

No further meetings are scheduled at this time.

Please note that the Action Required By column is not solely the responsibility of the organizations listed. All parties will be required to review each description and perform the associated work described. This column is intended to allow each party a quick reference as to what will be required prior to the next construction meeting.

These minutes have been recorded as understood by this writer. Should there be any errors or omissions, please feel free to contact me as this document is considered to be accurate.

Respectfully submitted,

GALE ASSOCIATES, INC.

B. Tyson Catlett, P.E.
Project Engineer

BTC/lad

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MAINTENANCE INTERVIEW MINUTES

Project Name: City of Salem
Recreation Facility Needs Assessment and Open Space Master Planning
Date: February 20, 2015
Location/Time Salem, MA
Gale JN: 716760

Conference Attendees:

Name	Company	Email
Paul Lheureux	School District Facilities Director	paullheureux@salemk12.org
Tyson Catlett	Gale	btc@gainc.com

Item #:	Description of Item	Action Required By
1.00	Maintenance Scheduling: Paul is responsible for maintaining all landscaping for the District. The department currently has no ground maintenance personnel. They are looking to fill this position. The grounds maintenance personnel is responsible for deliveries, grounds, maintenance and other responsibilities as assigned. There is also one seasonal employee. The department is currently on a 12-day cycle for maintaining facilities. The staffing was cut back three years ago when the department lost 17 of 41 positions.	Record
1.01	Responsible Area: Facilities Department is responsible for maintaining 106 acres throughout the City. This includes the High School, Collins Middle School, Witchcraft Heights and other sites for a total of 11 sites throughout the City. The High School parcel constitutes 61 of the 106 acres.	Record
1.02	There is a licensed herbicide applicator that performs work as part of the sidewalk and roadway maintenance program.	Record
1.03	Inventory of Fields: Three fields are maintained at the High School facility. The maintenance of the Robert A. Gaswell field at the High School is contracted out to Prescription Turf Surfaces. The field at Witchcraft Heights is maintained by the City. Bertram Field at Collins Middle School is a turf field. There is a field groomer provided for Bertram Field but no equipment (i.e. gator) to pull the groomer.	Record

1.04	Equipment Inventory: 2 Walk Behind Mowers 1 - 21" Rotary Walk Behind Mower 1 - 36" Rotary Mower 1 - 48" Rotary Mower 1 - Steiner 430 Max Tractor w/48" & 60" Mower Deck Striping equipment No aerators, infield groomers or de-thatchers.	Record
1.05	Material Inventory: Approx. 400 lbs of fertilizer No sand, lime or clay infield mix	Record
1.06	Bertram Field Use: Priority of use is for Salem Public Schools followed by Salem organizations (Youth Football, Youth Lacrosse). Bertram Field is designated as a City park, so it is accessible at all times.	Record
1.07	Topsoil Testing: Not performed for any fields. The department defers to Prescription Turf Surfaces for recommendations regarding the Robert A. Gaswell Field.	Record
1.08	Infield Maintenance: The School Department does not maintain any clay or skinned areas of baseball or softball diamonds. High School softball is played at Gallows Hill and High School baseball is played at Salem State. The High School baseball program formerly played at Palmer Cove, prior to their current use of Salem State's facilities.	Record
1.09	Irrigation: The only field that is irrigated is the Robert A. Gaswell field located at the High School parcel. Upkeep of this system is done by Prescription Turf Surfaces. The vendor is Lees Irrigation. The system is a Rainbird system (smart system) and was installed in 2003. The football practice field at the High School is also irrigated but the system is broken. The Facilities Department is not responsible for any irrigation upkeep.	Record

1.10	Aeration: Aeration is only performed at Gaswell Field and is performed twice per year. The work is done by Prescription Turf Surfaces. The equipment is owned by the vendor.	Record
1.11	Topdressing and Overseeding: Only performed at Gaswell Field by PTS. The maintenance package for all of PTS's services is $1800. The Owner does provide the material for fertilizing and seeding.	Record
1.12	Other Maintenance Concerns/Comments: The supposed care and maintenance of Bertram Field does not have a sustained income or budget to support it. The longevity of the facilities at Bertram Field are a concern as it is a public park with unmonitored free reign use of the public. Many Salem organizations are granted waivers for the fee of using Bertram Field. Salem Youth Soccer (SYS) is fee exempt due to the relationship of allowing the High School groups to use the facilities at McGrath Field which is controlled by SYS.	Record

No further meetings are scheduled at this time.

Please note that the Action Required By column is not solely the responsibility of the organizations listed. All parties will be required to review each description and perform the associated work described. This column is intended to allow each party a quick reference as to what will be required prior to the next construction meeting.

These minutes have been recorded as understood by this writer. Should there be any errors or omissions, please feel free to contact me as this document is considered to be accurate.

Respectfully submitted,

GALE ASSOCIATES, INC.

Barrett T. Catlett, P.E.
Project Engineer

BTC/lad

cc: Eric Roise

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RECORD MEETING MINUTES

(Recreation Committee and Members of Public)

Project Name:	City of Salem Salem Recreation Facility Needs Assessment and Development of Master Plan Study
Date:	January 20, 2015 6:45p.m.
Location/Time	Salem, MA
Gale JN:	P01198

Meeting Attendees:

Name	Company	Email
Karen Partanen	Recreation	kpartanen@salem.com
Tom Devine	Conservation	tdevine@salem.com
	Recreation Committe & Members of Public	

Item #:	Description of Item	Action Required By
3.00	Recreation Committee Presentation. Purpose of presentation to introduce them to scope and objectives of Gale study.	Record
3.01	Eric presented a Powerpoint slide show outlining scope of study and report. Questions and Comments: • Winter Island – Gale Building Technology did a report on the 'Hanger". Please forward an electronic copy to Karen P. • Consider winter activities in report. Not enough winter recreational programming. • Consider a Park and Recreational Building (e.g. Winter Island Hanger) for indoor gym use.	Record

Next meeting, Working Group Meeting No. 2, will be held on February 9, 2015 @ 5:30, preceding the Community Meeting @ 7:00.

Please note that the Action Required By column is not solely the responsibility of the organizations listed. All parties will be required to review each description and perform the associated work described. This column is intended to allow each party a quick reference as to what will be required prior to the next construction meeting.

These minutes have been recorded as understood by this writer. Should there be any errors or omissions, please feel free to contact me as this document is considered to be accurate.

Respectfully submitted,

GALE ASSOCIATES, INC.

Eric Q. Roise
Project Manager

EQR/lad

Enclosure: Powerpoint Presentation

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CELEBRATING 50 YEARS

GALE

City of Salem

Recreation Facility Needs Assessment and Development of a Master Plan

Study Kick Off Presentation
January 20, 2015

Eric Q. Roise, ASLA, Project Manager / Landscape Architect

Topics

- Project Team
- Goals & Objectives
- Project Approach
- Facilities Inventory & Assessment
- Recreation Programming
- Community Input
- Maintenance Resourcing
- Master Planning Program
- Schematic Site Planning
- Open Space & Recreation MP update

Project Team

Gale Associates Weymouth, MA

City of Salem

- Jon F. Lindberg, P.E., RRC, LEED® Green Associate — *Principal-in-Charge (MCPPO Certified)*
- William J. Seymour, P.E. — *Director of Civil Engineering (MCPPO Certified)*
  - Eric Q. Roise, ASLA — *Project Manager / Landscape Architect (MCPPO Certified)*
    - John M. Perry, P.E. — *Lead Civil Engineer (MCPPO Certified)*
      - Tyson Catlett, P.E. — *Field Engineer*
      - Lindsey A. Barbee P.E., CSE — *Environmental Wetlands Specialist (MCPPO Certified)*
        - Wendy A. Hawco — *AutoCAD Designer*
  - As Needed:
    - Brian H. Neely, AIA, NCARB, CDT — *Project Architect (MCPPO Certified)*
      - David A. Morand, P.E., SECB — *Structural Engineer*

Goals and Objectives

Recreation Facility Study / Open Space & Recreation Plan Update

Accurate Data Collection
- Parks Base Mapping
- Facility Evaluations
- Recreation Program Inventory
- Recreation Demand Evaluation

Recreation Maintenance
- Staffing Evaluations
- Organization
- Operations/Practices
- Realistic Recommendations

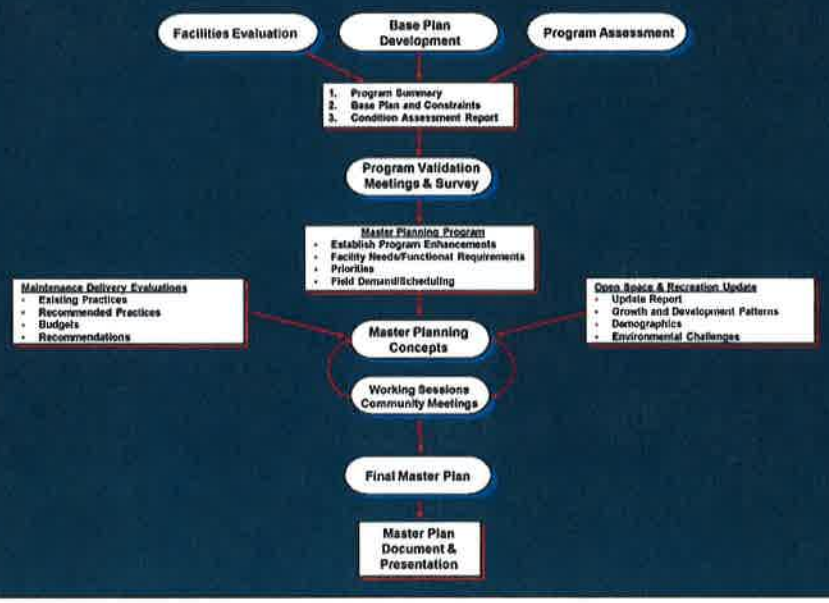
Community Involvement
- Public Meetings / Public comment
- Perceptions Survey (Online)

Report and Recommendations
- Concise Documentation
- Usable Recommendations
- Reference / Planning Document

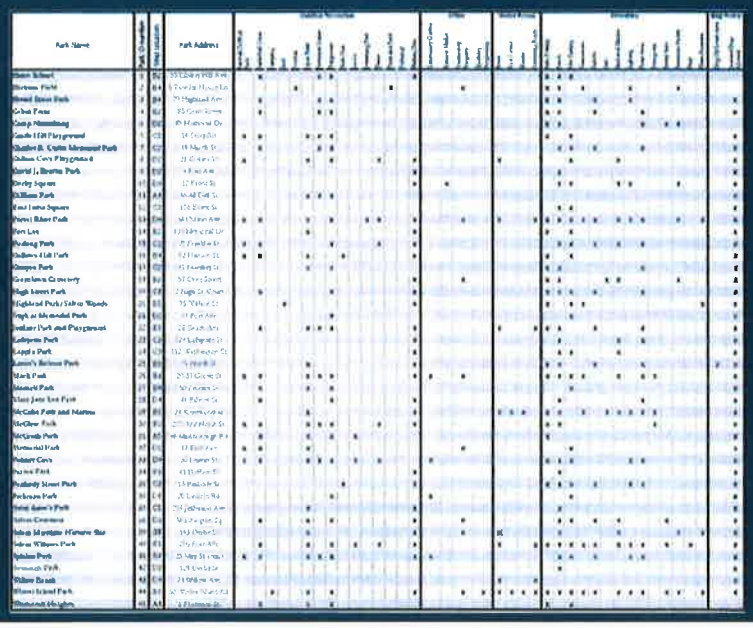
Recreation Master Planning
- Address facilities demand
- Schematic Site Plans
- Achievable Project Phasing
- Cost Estimates

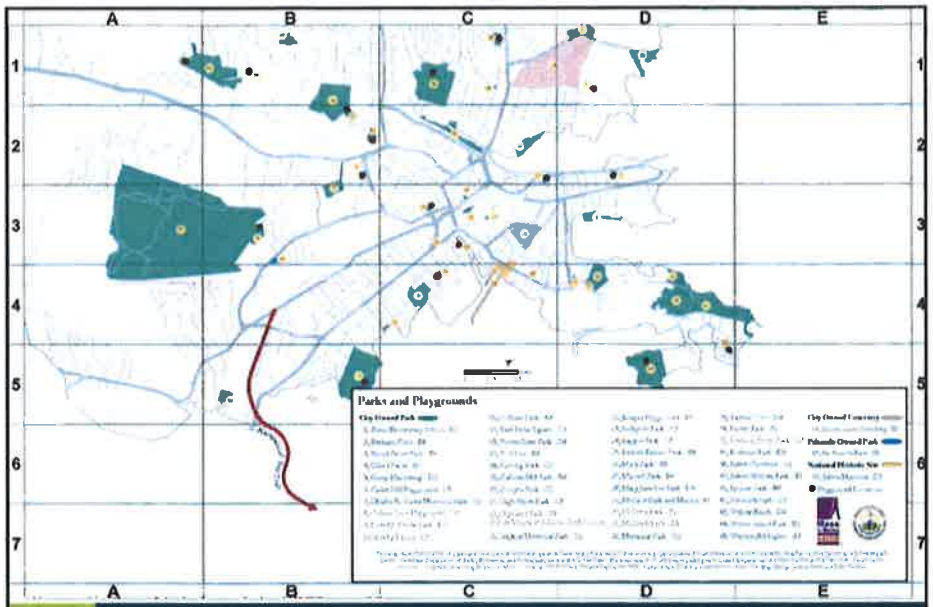
Open Space & Recreation Master Plan Update
- Update 2007-2012 report
- Meet State Filing Requirements

Project Approach



Facilities Inventory and Assessment





City of Salem – Parks & Recreation Facilities

Facilities Inventory & Evaluation

Site Evaluations:

Inventory & Evaluation:
- Parks, Playgrounds, Fields, Trails and Courts
- ADA compliance
- Conditions: Athletics & Parks
- Parking
- Soils & Turf
- Restrooms
- Amenities
- Utilities & Drainage
- Development Potential

Community Input

Recreation Facility Study / Open Space & Recreation Plan Update

Community Meetings
- February - April
- Open meeting -Advocacy
- Schedule

Maintenance Evaluation
- Existing Conditions
- Existing Staffing
- Equipment & Practices

Community Input
- Online Survey (survey monkey)
- February

Meeting Documentation
- Minutes
- Recording

Community Input
- Working Group Meetings
- Demand Determination
- Schematic Site Plans
- Cost Estimates

Schedule

Recreation Facility Study / Open Space & Recreation Plan Update

Working Schedule
- January - April
- Working Dates

Working Group
- Progress Meetings
- Every Month (minimum)

Community Meetings
- February & March

Report Draft & Finalization
- April review and comments
- End of April Completion

City of Salem
Recreation Needs Assessment and Development of Master Plan
Proposed (revised 1/14/2015) Milestone Schedule

Event	Date
• Kick-off Meeting	December 22, 2014
Data Collection	January, 2015
• WORKING GROUP Meeting #1	8:00 a.m. January 15, 2015
• Parks and Recreation Presentation	6:45 p.m. January 20, 2015
Master Planning Advocacy, (City) edds, flyers & postings	Ongoing - January-February, 2015
Updates to Open Space & Recreation Master Plan	Ongoing January-March 2015
• COMMUNITY MEETING #1 (Approval of Planning Program)	February 9, 2015
• Facility Inventory / Evaluations Complete (weather dependant)	February 5, 2015
• Assessment of Undeveloped Parcels Complete	February 5, 2015
• WORKING GROUP Meeting #2 (approval of Planning Program)	February 17, 2015
Sensing Survey (on-line)	January 30 to February 20, 2015
• Athletics Demand Complete	February 20, 2015
• COMMUNITY Enhanced Outreach Meeting #1	February 25, 2015
• WORKING GROUP Meeting #3 (Review of Schematic Alternatives)	8:00 a.m. March 12, 2015
• Draft Master Planning Report & Draft Open Space and Recreation Master Plan	March 18, 2015
Draft Review (WORKING GROUP)	March 18-April 2, 2015
• WORKING GROUP Meeting #4 (Consensus / Final Planning Strategy)	8:00 a.m. April 22, 2015
• Final Report(s) / Project Complete	April 24, 2015
Master Plan Advocacy	Ongoing

Maintenance Resourcing

Recreation Facility Study / Open Space & Recreation Plan Update

Evaluate Operations
- Scheduling
- Equipment

Evaluate Practices
- Scheduling
- Irrigation
- Fertilization
- Aeration

Evaluate Operations
- Budget
- Permanent Staff
- Seasonal Staff

Recommendations
- Scheduling
- Equipment

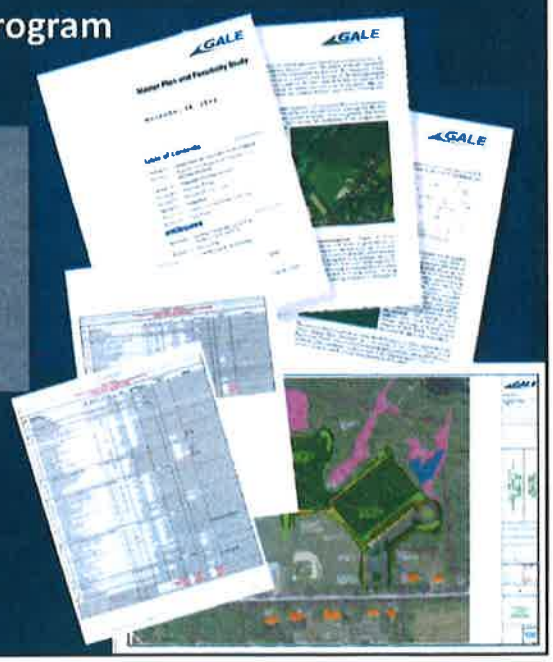
Recommendations
- Budgeting
- Staffing

Master Planning Program

Master Planning

Parks Planning – Context
- Identify Priority Needs
- Previous Planning
- Public Comment
- Maintenance Considerations

Executive Summary



Schematic Site Planning

- Site Programming
- Schematic Site Plans
- Cost Estimates
- Phasing
- Site Constraints Summary

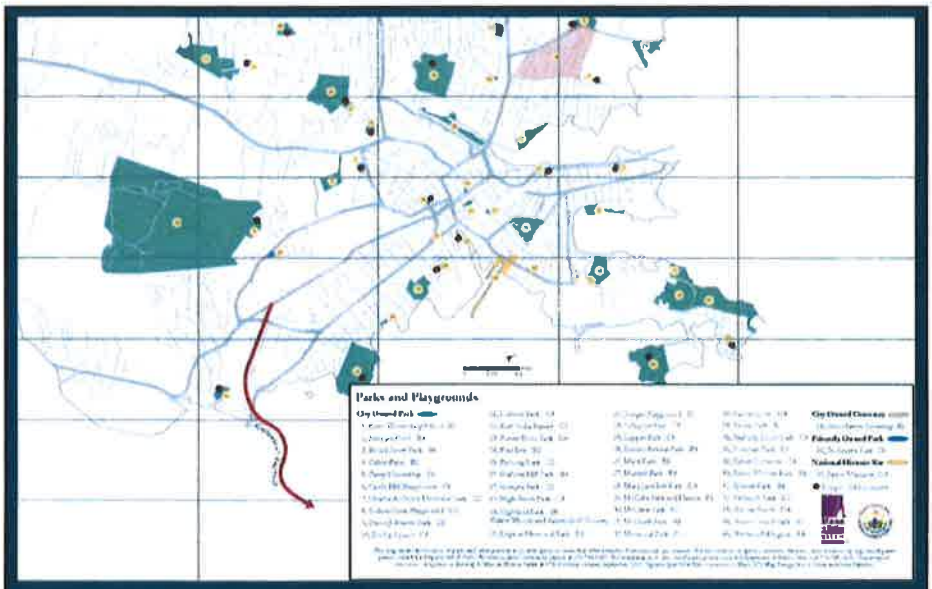
2007 – 2012 Open Space & Recreation Master Plan Update

Input
- Community Meetings
- Conservation Staff
- Open Space Committee

Input
- Concurrent with Recreation Master Planning

Basis
- 2007-VHB Open Space Master Planning Report

State Requirements
- All 11 sections



Questions?

RECREATION FACILITY NEEDS ASSESSMENT AND OPEN SPACE MASTER PLAN

Volume 3

Park & School Athletics
Demand & Programming

City of Salem,
Massachusetts

April 2015

Forest River Little League

Gale JN 716760

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Section 1.1 Introduction, Background and Purpose
Section 1.2 Community Input (Volume 2 summary)
Section 1.3 Park and School Athletics Demand and Programming (Volume 3 summary)
Section 1.4 Park Evaluations – Methodology & Results (Volume 4 summary)
Section 1.5 Athletic Field Maintenance Practices and Benchmarking (Appendix A summary)
Section 1.6 Planning Recommendations (General)
Section 1.7 Parks Master Planning Summary & Recommendations

VOLUME 2 – Community Input

Section 2.1 Community Survey Summary
Enclosure 1: Salem Online Community Survey Results – Parks, Athletic Field and Open Space Master Plan
Enclosure 2: Input Meeting Minutes
Community Meeting 1 – 02/23/15
Community Meeting 2 – 03/9/15
Maintenance Interview – 02/20/15
Recreation Community Presentation – 01/20/15

VOLUME 3 – Park & School Athletics Demand & Programming

Section 3.1 Fields & Amenities Demand Methodology
Section 3.2 Field Usage Summary Tables
Section 3.3 Field Usage Summary

VOLUME 4 – Park Evaluations

Section 4.0 Park Evaluations Introduction & Methodology
Section 4.1 Parks Evaluations and Mapping
Individual site mapping for each park (46+ parks)
Aerial Photo & notes
FEMA flood mapping location
Evaluation Sheets
Photo Sheets

appendices and Illustrations

(all appendices attached to Volume 1) (all exhibits 11”x17”)

Appendix A Athletic Field Maintenance Evaluation
Appendix B Park Recommendations Summary
Appendix C Select Parks - Schematic Design
Exhibit A City Wide Parks Map
Exhibit B. City Parks Inventory List
Exhibit C. Inventory and Evaluation Summary Table
Exhibit D. Athletic Fields Evaluation Summary Table
Exhibit E. Field Usage Summary Table

Section 3.0 Demand Programming Introduction

A critical component of any athletics and recreation master plan is to identify who is using an inventory of fields, and how often are they using them. For planning purposes there are two major goals of the demand determination calculations. The first goal is to determine raw field usage and document which athletic programs are using which fields, and how much. This data will affect how priorities are rated, and how fields scheduling is accommodated. The second goal is to determine how that usage of the fields affects maintenance requirements. Each sport wears a field differently. Football wears a field more than baseball, and Lacrosse wears a field differently than field hockey.

No study can hope to document every field use, or every specific type of usage, or the exact degree of wear on that field associated with a specific use. Youth sports use fields differently than adult sports, soccer wears a field differently than football, practice wears a field differently than a game. To attempt to measure that difference in wear between sports Gale Associates applies usage multipliers to the raw scheduling data in order to estimate the amount of wear on a field caused by those uses. The goal of this exercise being to confirm which fields are being overused, specifically fields that are being over used to a point of not being able to sustain a viable growth of turf.

The industry standard for the limits of being able to maintain a viable stand of grass, on a municipal maintenance budget, is between 200 and 250 uses per year. A 'use' being defined as a game, 2 hours long, with 11 players per team. Between 200 and 250 uses per year is considered borderline sustainable. The viability of the turf on that field is highly dependent on the quality of maintenance provided. Over 250 uses per year is considered unsustainable for growing turf for municipal fields maintained with typical municipal budgets.

The following volume consists of a narrative, methodology, recommendations, a Field Usage Summary Table and A Field Usage Summary Table with Multipliers. The Field Usage Summary Tables document the field Uses per field per year in a graphical manner, both with and without usage multipliers. This volume further includes explanations of the methodology used in this volume.

Section 3.1 Fields and Amenities Demand Methodology

For the purposes of evaluating field demand, turf wear, degradation and needed maintenance the amount of USE a field receives provides a measure of its condition. A field 'USE' is considered 2-hour game or practice involving two teams or approximately 22 athletes using a field for 2 hours. It is worth noting that a synthetic turf field can withstand any amount of use that can be effectively

scheduled. Typically, the annual total use quantity is between 500 and 750 uses per synthetic turf field, depending on if athletic lighting is provided for the field.

Athletic Field Terminology:

Baseball Field: Has grass on the infield surrounding the pitcher's mound. Typical baseball field dimensions include:

Little League fields: Have a 60' distance between bases (baseline) and a 200' outfield (minimum distance from home plate to the outfield fence)

Baseball field (High School level and higher) have a 90 foot baseline and a preferred distance from home plate of 310 feet at left and right field and 350 feet to center field.

Softball Field: Has an infield that is fully 'skinned', which means the pitcher's mound is surrounded by infield material (no grass on the infield). Softball fields are smaller than baseball and have a 60' baseline and a minimum 200' outfield for all levels of play.

Multipurpose Rectangular Field (MPRF): MPRF sizes can vary greatly depending of level of use (e.g. youth soccer or High school Soccer) or sports played (lacrosse, football). In the Untied States a MPRF typically is used for some combination of soccer, football, lacrosse and field hockey. For High School level sports (or better) the preferred dimensions of the field is 385'x230'. This dimension can fit all the common athletic field sizes for adult play, with safety runouts around the perimeter of the field.

Combination fields: Combination fields include a Softball or Baseball field which shares its outfield with a multipurpose rectangular field. For usage calculations, these fields are counted as a single field, however different multipliers are used depending on the sports played.

Gale developed a field use matrix for all of the athletic programs in the City of Salem that use City facilities included with this volume. The quantities listed in the Summary Matrix were obtained from user group websites, the Parks Department facility reservation database, school sports schedules and parks staff. All data reflects field use between the fall 2014 and spring and summer 2015 seasons. The totals from this matrix provide a quantification of all of the documented field uses for each field, at each park, across the City for a year. Though detailed and thorough, the use data provided should not be considered as 100% of the uses on city parks. There are additional uses (spontaneously scheduled practices, rescheduled games and informal 'pickup' uses) that are not documented or included in these use/demand estimates.

There are approximately 2300 annually scheduled uses on Salem's athletic fields. These are distributed over a population of twenty (20) fields throughout the city. This quantity includes undersized facilities that are on the City roster of athletic fields and that are typically scheduled for athletic usage. The usage of various fields varies widely. Isolated, relatively remote, undersized fields receive the least use (e.g. Salem Willows), and larger fields, closer downtown, with amenities and parking receiving the most use (e.g. McGrath or Bertram.)

The field usage numbers only identify two facilities that receive more than 250 uses per year: Bertram Field, which is synthetic and is not affected by the heavy use and both fields at McGrath Park which is heavily used by Youth soccer programs.

The usage data points to the following:

Softball and Little league fields seem to be in good supply – all softball and little league usage numbers are well within sustainable level, however there is some indication that baseball uses uses softball fields when smaller baseball fields (with grassed infields) are not available.

Baseball fields (at Palmer Cove, Gallows Hill, and Memorial field) are in great demand, but usage numbers indicate that they well within sustainable levels.

The majority of the MPR fields in the city are undersized for adult play. In addition the majority of the fields are isolated and are not configured to for large sports programs. (e.g. limited parking or the inability to use multiple fields at once.) The only exceptions to this in the city is McGrath Park and Bertram field.

It is also useful to look at the type of field and size of field to determine why fields are being used or not used. The following tables provide the calculation of the demand and a breakdown by uses.

Table 1 - Inventory Analysis

Inventory	Qty	Comments
Total Fields	20	
Informal/partial fields	-5	Bowditch School, Splaine, Forest river practice infield, Salem Willows, Mansell Playground
Dedicated Usable Total	**15**	Dedicated natural and synthetic turf fields Baseball, softball and rectangular

The City inventory of athletic fields totals 16 usable fields, including 1 synthetic turf field to serve a population of 41,340 (2,584 citizens per field)

Table 2 - Field Types

Existing Field Type	Qty.
Multi-Purpose Fields	11
Informal/partial fields	4
Combined Diamond/ Multipurpose Fields	7
Synthetic Turf Field	1
60' Diamond Softball	7
60’ Diamond Little League	2
90' Diamond	3
(combination fields counted separately– will not total to 20)	

Table 3 – Use-by-Type Analysis

Demand Type	Qty. of Uses
Softball Uses	894
Multi-Purpose Uses	771
Synthetic field Uses	268
60' baseball uses	240
90' baseball uses	112
Total	**2045**

Multi-purpose uses (771) plus synthetic turf multi-purpose uses (268) almost matches the combined usage numbers of baseball or softball programs. This must be taken into consideration in the calculation of the Planning Program. It should be noted that the one 60' baseball diamond at Forest Park received 240 uses, and the same type of field at Splaine park received 102 uses. Almost all of the other little league baseball uses were on 60' softball diamonds.

Section 3.2 – Field Usage Summary Tables

The attached field summary tables, provides a summary of the total uses of each facility in the City of Salem. The color coding of columns to the left and right hand sides of the sheet represent the following:

Red	Greater Than 250 Uses Per Year*
Yellow	200 – 250 Uses Per Year
Green	Less Than 200 Uses Per Year

(*synthetic turf use is limited only by scheduling and, as such, it's high usage should be disregarded)

Refer to Table 3 – Field Usage Summary Table (Exhibit E, Volume 1)

Section 3.2.1 Field Usage Summary Table with Multipliers

While the number of scheduled team uses is important to gain an understanding of field space adequacy and turf quality, it can be misleading, as scheduled uses do not always correlate to damage to the turf condition. High school football play is more deleterious to turf condition than Little League baseball, as larger, more competitive athletes cause higher stress loads, divots and damage on a natural turf playing surface. Also, different sports cause damage to turf in different areas. For example, football causes turf to wear mostly in the center of the field between the hash marks, while soccer and lacrosse cause wear at the goals, at center field and along the sidelines. As a result, planners must also account not only for the number of uses, but for the type of use and age of the participants. We do this by applying an impact factor (multiplier) to the raw field use data.

Gale as typically assigned an impact factor of 1.0 to mens & women's soccer as the average activity in terms of field impact and deterioration. Adult football is twice as damaging to the turf and, as such, assign it a 2.0 impact factor. Similarly, Little League level baseball has less impact on turf condition and is assigned an impact factor of .75. Other impact factors for various sports were assigned accordingly and multiplied by the number of scheduled uses for each type of activity to

yield 'equivalent' team uses in terms of turf damage and impact. The results are included on the second table attached to the end of this volume 'Field Usage Summary with Multipliers".

While this approach is subjective and somewhat imprecise, it more accurately accounts for differences in the impact on turf condition depending on the type of use on the athletic fields across the City. The modified use data for fields which are routinely used for high impact sports, such as lacrosse or football, tend to be higher than actual scheduled uses; while those for fields which are routinely used primarily for baseball and softball will be less. Curiously the modified usage numbers are very close to the unmodified numbers, due to the balance in baseball uses (0.75 multiplier), to high impact uses (football 2.0 and Lacrosse 1.75).

The resulting field Modified demand data does not change substantially from the raw usage data, it only accents the overuse of parks. Especially both McGrath fields which show modified usage of over 300 uses per year.

Unfortunately the usage (both raw and modified) data does not document uses that are displaced because of lack of availability (e.g. Soccer uses that are scheduled out of town, because regulation size Salem fields are not available). The usage data also does not fully reflect uses that are occurring on substandard fields because regulation fields are not available. (for example the report does show that little league played roughly 413 games on softball fields, but no equivalent data exists on the many substandard size rectangular fields in the city.).

Section 3.3 – Field Usage Summary

The results of the field usage data reflects some of the public comment gathered in other volumes of this report: The fields at McGrath are in need of improvement (due to overuse), and the City needs more little league fields.

A facility similar to McGrath (with multiple full size fields, with amenities) is needed in the city to relieve the pressure at McGrath, or improvements to McGrath could be considered that would accommodate the high usage (e.g. synthetic turf and lights).

For little league, there are many lightly used, dedicated, softball fields in the city that could be easily converted to a little league use (aka construct a grassed infield), without significantly impacting softball uses. Little League game fields do have specific requirements (e.g. fencing, dugouts and flagpoles) that need to be constructed, as well as field amenities such as available parking, lighting and irrigation that will make use of the field more desirable.

The field demand and programming evaluation also reveals some of the following:

- That many of the multipurpose rectangular fields in the city are relatively isolated (as single field facilities) and are undersized for adult/regulation play. As isolated fields they are not usable for larger youth programs that split coaches between fields (e.g. McGrath)
- Out of 11 multipurpose rectangular fields, only 5 are larger than the minimum size for Jr. High School Soccer (300'x165'). Bentley School (aka Memorial), Salem High Upper, Bertram Field, and McGrath, upper and lower.
- Out of 11 multipurpose rectangular fields in town 7 are shared with a baseball or softball use – limiting spring rectangular field play (lacrosse, soccer) to three fields.
- Out of the seven softball fields in the city only two fields have usage of more than 100 uses per year: McGlew and Mack (lighted). Indicating there seems to be some excess

in softball field availability, or that field conditions are so bad that use is being shifted to other fields. It should be further noted that many of the uses for these two fields are little league baseball using softball fields (inappropriately).

The parks inventory and evaluation, is intended to provide the city with easy to digest information on the usage of each park so that parks staff can evaluate and prioritize what improvements needs to be made to city fields. The usage data is one tool to document both under-used facilities as well as facilities that are in high demand and overused. The ultimate decision on where and how to improve fields will include a balance of considerations such as existing parking, existing amenities, proximity and improvements that can increase the ability of a field to sustain a greater level of use, such as synthetic turf, irrigation or lighting.

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FIELD USAGE SUMMARY TABLE

Salem Recreational Needs Assessment and Master Plan

Adjusted with multipliers (see individual sheets)

MPRF Multi-Purpose Rectangular Field

All numbers based on a 'Normal' event: (2) 11 player teams on a field for 2 hours

SUMMARY SHEET

Green	Less than 200 events per year
Yellow	Between 200 and 250 events per year
Red	Greater than 250 events per year
#REF!	Inappropriate use (e.g. baseball on a softball diamond)

Facility/Fields		Approx. Field Size (feet)	TOTALS	Baseball school V, JV & F	Softball School V & JV	Boys Soccer V & JV	Girls Soccer V & JV	Football School V, JV & Fresh	Boys LAX F, JV & V	Girls LAX F, JV & V	Field Hockey School		Salem Little League	Salem Youth Soccer	Salem Youth Football	Youth Lacrosse	Mens Softball League	Women's Softball League	Rotary & VFW Softball	Sieniors Baseball		Salem Charter	Various (zombie walk, weddings, fast athletics, etc)	Special Olympics	North Shore Rugby	Whole Foods	Charity Defense	TOTALS
SCHOOLS	LF/RF																											
Bentley School / AKA Memorial Field																												
	90' Diamond / MPRF 310/310	200x325	48.0													15.0										33.0		48.0
Collins Middle School fenced, lighted																												
Bertram Field	Synthetic MPRF	360x225	268.0			40.0	39.0	42.0	44.0	45.0	37.0				6.0	15.0												268.0
Salem High School																												
Bowditch School Field		165x300	0.0										NO DATA															0.0
Lower Field (S)		210x330	51.0						11.0	22.0	18.0																	51.0
Upper Field (N)		170x270	93.0			34.0	33.0	26.0																				93.0
Witchcraft Heights																												
	60' (no diamond) / MPRF	215x170	102.0										102.0															102.0
PARKS																												
Castle Hill Playground																												
	60'-diamond/Field Hockey 200+	270x150	10.0																				10.0					10.0
Collins Cove Playground																												
Softball Field	60'-diamond 170/190	190x145	90.0	20.0									10.0				8.0	20.0	12.0	2.0		9.0	9.0					90.0
Common																												
Field Space		-	62.0																				62.0					62.0
Forest River Park																												
Baseball Field	60' Diamond 185/185	-	240.0										240.0															240.0
Baseball Practice Infield	60' base path(no diamond) --	-	0.0										NO DATA															0.0
Furlong Park (fenced outfield)																												
Softball Diamond	60' Diamond 200/200		97.0										97.0															97.0
Gallows Hill Park																												
Baseball/MPRF	90'-diamond / MPRF 300/300	290x190	137.5	42.0											48.5								47.0					137.5
Softball Field	60' Diamond 200/200		74.0		74.0																							74.0
Mack Park (fenced, lighted)																												
Softball Field	60' Diamond 200/200	-	158.0		56.0								102.0															158.0
Mansell Playground (@ Gallows Hill)																												
Practice Field	Informal Field	180x110	5.0																								5.0	5.0
McGlew Park																												
Softball Field	60' Diamond 200/200	-	102.0										102.0															102.0
McGrath Park																												
Upper Fields (N)		315x200	293.0											243.0		42.0								8.0				293.0
Lower fields (S)		315x205	252.0											244.0										8.0				252.0
Memorial Park aka Bentley School																												
See Bentley School																												
Palmer Cove Park																												
Baseball /MPRF	90'-dia. / MPRF 310/310	290x180	90.0	22.0												68.0												90.0
Salem Willows Park																												
Soccer /MPR	Rugby	279x220	11.0																						11.0			11.0
Splaine Park*																												
Baseball Field	60' Diamond 155/150	-	102.0										102.0															102.0
TOTAL			**2285.5**	**84**	**130**	**74**	**72**	**68**	**55**	**67**	**55**	**0**	**755**	**487**	**54.5**	**140**	**8**	**20**	**12**	**2**		**9**	**128**	**16**	**11**	**33**	**5**	**2285.5**

*Young kids only at Splaine