6.0 Land Use Classification and Statistics



Sturgeon County maintains five classifications of open space, including Water Body, EP – Environmental Protection, REC – Recreation, POS – Public Open Space and PU – Public Utility. The Land Use Bylaw outlines the general purpose, permitted and discretionary uses, relevant subdivision regulations and development regulations for each land use. Figure 13 - Zoning identifies the location of each land use parcel listed above.

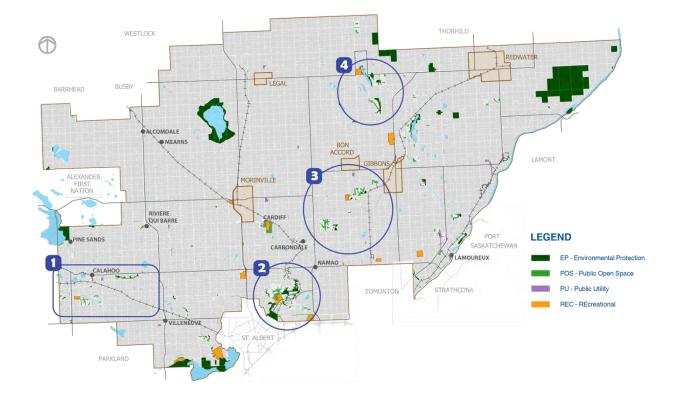


Figure 13 - Zoning

Table 1 - Land Use Zoning below identifies the number of parcels and their cumulative size for each of the land use classifications on Figure 13 - Zoning:

No. of parcels	Zone	Area (ac)	Area (ha)
181	EP - Environmental Protection	132,406	53,583
238	POS - Public Open Space	16,437	6,652
133	PU - Public Utility	5,197	2,103
18	REC - Recreation	21,957	8,886

Table 1 - Land Use Zoning

Overall, the distribution of open space in the County is difficult to appreciate at a County-wide scale. Generally, open space is more prevalent in areas of higher density of population. The distribution of open space is better represented in Figures 1 - 8 in Section 2.2. Figure 13, above (Zoning) identifies the need to more precisely assign land use to each of the parcels. Some large parcels that are designated as REC-Recreational, for example, would have more targeted management guidelines if they were broken into more detailed typologies such as ER and MR, which would provide the more sensitive areas of the parcel with enhanced protection against development and activities counter to ecological protection.



7.0 Demonstration Site Assessment

This plan provides three suggested demonstration projects for near-term implementation, as strong demonstration projects representing each of three primary categories on Figure 12 - Open Space Transect. The three projects can be described as follows:

- Figure 14 Demonstration Site 1: Riparian an area of land adjacent to Riverstone Pointe between dense urban residential development and the Sturgeon River. This parcel of land experiences significant erosion and bank instability and there is interest in providing trail development in this area;
- Figure 15 Demonstration Site 2: Hamlet Residential a parcel of land in Carbondale that has no programmed use and the maintenance of the open space seems excessive given the limited use of the site. A better understanding of the potential recreational use such as a trail connection and small gathering space would serve the numerous adjacent lots and the community well. Programming portions of the lot and then naturalizing remnant areas would serve the community well with a passive open space and would reduce ongoing maintenance obligations of mowing a large parcel with no current use; and
- Figure 16 Demonstration Site 3: Agricultural Fringe many roadway corridors act as ecological linkages between larger patches of habitat areas. With cropland on both sides of the road roadways lack visual character, do not provide quality ecological corridors and oftentimes encounter encroachment of cultivated fields with landowners placing crops as far into road rights of way as possible. This segment is a demonstration of an appropriate location to provide wind breaks through enhanced tree planting within the roadway corridor that will provide aesthetic improvements along with enhanced ecological movement and habitat for small animals and birds.

Refer to the three figures following, which identify each project location, a summary of existing conditions at each site, and an estimation of how this project will affect:

- Level of Service how the project offers a new experience, type of recreation or proposed development that is currently absent or deficient within the County;
- Maintenance Obligation the intensity of maintenance required that will result from implementing the proposed project;
- Ecological Value how the project will contribute to ecological systems of the site and the surrounding area; and
- Initial Capital Cost an estimation of the proposed costs to complete the project as outlined in each figure, in estimated 2022 dollars.

Demonstration Site 1: Riparian

Site Information:

Roll: 2808061

Legal: 0227111; 2; 61ER SE-25-54-25-4

Address: SW Riverstone Pointe

Area of Site: 25.85 acres

Zoning: EP / CR-2 (Environmental Protection & Country Estate)



Existing Conditions:

- Sturgeon Reserve Land;
- Consists of forested areas, open naturalized areas, and a natural seasonal pond;
- Located within Homeowner Association maintained multi-lot subdivision;
- Significant erosion along banks of Sturgeon River during high precipitation years; and
- Existing trail system (Bellrose River Walk) is primary reason for public access, however bank erosion has caused challenges.

Level of Service

Expand the existing trail system, adding segments to create continuous loops.

Maintenance , Obligation

By naturalizing the existing mowed area there will be a reduced obligation for the County to mow.

Ecological Value

By naturalizing the manicured portions of the site there is increased habitat value. Riverbank erosion mitigation techniques will also be employed.

Initial Capital Cost

Phase 1; trail loop connection (500m @ \$150/m = \$75,000) and erosion mitigation planting and life staking along river (\$25,000) = \$100,000



Figure 14 - Demonstration Site 1: Riparian Area

Demonstration Site 2: Hamlet Residential

Site Information:

Roll: 1898000

Legal: 4192MC; ; R NE-8-55-24-4

Address: Carbondale

Area of Site: 1.64 acres

Zoning: POS (Public Open Space)



Existing Conditions:

- Sturgeon Reserve Land;
- Consists of open naturalized areas, mowed lawns and newly planted trees;
- Located within the unserviced Hamlet of Carbondale;
- · Adjacent to several back of lots and train tracks;
- · Existing amenities include 2 benches, 2 picnic tables and in-ground garbage; and
- Several encroachments by adjacent landowners that need to be addressed.

Level of Service

Maintenance Obligation

What is now a vacant piece of land will become an educational experience for the community to enjoy. What is currently manicured lawn will be transformed into a zeromaintenance pollinator garden with interpretive trail.

Ecological Value

Converting lawn into a pollinator garden greatly increases the ecological value of this parcel, and will benefit the surrounding cropland.



Phase 1: Naturalize the parcel using a combination of pollinator-loving plants and seed mixes.

= +/-\$75,000



Figure 15: Demonstration Site 2: Hamlet Residential

Demonstration Site 3: Agricultural Fringe

Site Information:

Roll: 3196000 (NW limit) 3179000 (SE limit)

Legal: 4; 2; 56; 20; SE / SE-20-56-25-4 (NW limit) 1122685; 1; 2 SW-16-56-25-4 (SE limit)

Address: Range Road 254

Area of Site: +/- 15 acres

Zoning: AG (Agriculture General)

Existing Conditions:



- Range Road 254 right-of-way (east and west sides of road);
- Consists of open fields / cropland on either side of road; and
- Little to no vegetation along this stretch of road with the exception of the areas immediately surrounding homes.

Level of Service

Planting along the road ROW will act as a wind break and snow fence, creating overall better driving conditions.

Maintenance Obligation

The planted hedgerows come with reduced maintenance with a lower demand for winter snow clearing operations.

Ecological Value

These hedgerows will act as stepping stones within the landscape that create opportunities for wildlife movement across the landscape.

Initial Capital Cost

Limits of Site

Phase 1: Northwest Poplar (*Populus x jackii* 'Northwest') planted at 50% density (14m O/C) = 270 trees = +/- \$135,000



Figure 16: Demonstration Site 3: Agricultural Fringe

8.0 Open Space Planning: Policy and Legislative Framework

The provision of open space planning, parks and recreation in Alberta municipalities is predominantly led at a local level. At the same time there are influencing factors such as grant opportunities, environmental regulation and both government and non-government initiatives at higher levels of government that impact parks and recreation. The following is a general summary of the different levels of governance and the types of considerations that apply to open space, parks and recreation.

8.1 Existing Federal Policy and Legislation

i) Federal Acts and Legislation

While federal acts and legislation do not govern or regulate recreation in a municipality, it has a significant influence on the development within some natural areas such as waterways that contain fish or have the potential of hosting fish, and some upland natural areas that contain migratory birds or have the potential of hosting migratory birds. The Canadian Environmental Protection Act, Migratory Birds Act, Species at Risk Act, Environment Act, Impact Assessment Act, Canada Transport Act, amongst others are all pertinent to the planning, maintaining and operations of many recreational activities in municipalities alike Sturgeon County.

8.2 National Guidelines for Recreation

i) Parks for All (2017)

Developed in 2017 by the Canadian Parks and Recreation Association (CPRA) and the Canadian Parks Council (CPC), Parks for All presents a vision for parks as well as four strategic directions.

Vision: Connected Canadian parklands and waters that support healthy Nature and healthy people in harmony for generations to come, backed by an active, diverse parks community that cultivates shared goals, mutual respect, and collective action.



Strategic Directions:

Collaborate

Nurturing partnerships between Indigenous organizations and the broader parks community;

Collaborating with new and diverse sectors; and

Strategizing beyond park boundaries.

Connect

Raising public awareness of our parks;

Facilitating experiences which connect visitors with nature; and

Sharing stories and successes to inspire more engagement.

Conserve

Expanding Canada's park system;

Enhancing parks planning and management; and

Enhancing ecosystem service benefits from parks.

Lead

Setting ambitious examples that can pave the way for others, in Canada and internationally;

Building the capability of current and future leaders; and

Developing and maintaining systems, tools, and resources to support leaders. This initiative provides a unified strategic direction for all parks across Canada. The vision is well suited to open space planning and development in Sturgeon County.

ii) Truth and Reconciliation

Reconciliation Canada is an Indigenous-led organization that envisions a vibrant Canada where all peoples achieve their full potential and shared prosperity through meaningful relationships, values-based dialogue, leadership and action. Several "calls to action" were outlined in the Truth and Reconciliation report commissioned by Reconciliation Canada in 2016. Some of the calls to action are pertinent to the public delivery of recreation services.

- Call to Action 66: We call upon the federal government to establish multiyear funding for community-based youth organizations to deliver programs on reconciliation.
- Call to Action 67: We call upon the federal government to provide funding to the Canadian Museums Association to undertake, in collaboration with Aboriginal peoples, a national review of museum policies and best practices.
- Call to Action 87: We call upon all levels of government, in collaboration with Aboriginal peoples, sports halls of fame, and other relevant organizations, to provide public education that tells the national story of Aboriginal athletes in history.
- Call to Action 88: We call upon all levels of government to take action to ensure long-term Aboriginal athlete development and growth, and continued support for the North American Indigenous Games, including funding to host the games and for provincial and territorial team preparation and travel.

iii) A Framework for Recreation in Canada: Pathways to Wellbeing (2015)

The Framework provides a new vision for recreation and identifies common ways of thinking about the role of recreation in Canadian life, based on clear goals and underlying values and

principles. It has been endorsed by the Government of Canada, Provincial and Territorial Ministers, the Canadian Parks and Recreation Association, Provincial and Territorial Parks and Recreation Associations and the Federation of Canadian Municipalities. The Framework provides a renewed definition of recreation: Recreation is the experience that results from freely chosen participation in physical, social, intellectual, creative and spiritual pursuits that enhance individual and community wellbeing.

8.3 Existing Provincial Policy and Legislation

i) Provincial Bills, Acts and Regulations

While provincial bills, acts and regulations do not govern or regulate recreation in a municipality, it has a significant influence on the development within some natural areas such as permanent or ephemeral wetlands, bed and shore of certain waterbodies such as the Sturgeon River and its tributaries, urban forests that contain or have the potential to contain wildlife, open grasslands that contain or have the potential to contain rare plants, amongst others. Some of the pertinent Acts relevant to the planning, maintenance and active use of the environment include Public Lands Act, Historical Resources Act, Natural Resources Act, Wildlife Act, amongst others.

8.4 **Provincial Guidelines for Recreation**

i) Active Alberta 2011-2021

Recreation, active living and sport are vitally important to Albertans. Research clearly points to the importance of active lifestyles to the physical, social and emotional health and well-being of individuals and their communities. This resource outlines a 10-year policy to refocus government initiatives, challenge partners, and encourage Albertans to become more active. Active Alberta sets out a vision for recreation, active living and sport: Albertans enjoy a high quality of life, improved health and wellness, strong communities, economic benefits and personal fulfillment, through recreation, active living and sport.

ii) Spirit of Alberta: Alberta's Cultural Policy (2008)

Launched in January 2008, this policy provides a framework for decision-making related to the support, growth and development of culture. Based on extensive research and public consultation, the Spirit of Alberta policy reflects the broad view of Albertan culture, encompassing the arts, our heritage, natural landscapes and recreation. The policy is focused around four keystones, including access, capacity, excellence and growth of cultural industries.

Recreation, active living and sport are integral to the culture of Alberta. As the Spirit of Alberta: Alberta's Cultural Policy states, recreation and sport are included in our definition of Alberta's culture and: "...culture is the glue that connects us as individuals to our communities, fostering unity, civility and a sense of belonging, pride and caring for our fellow citizens."

9.1 Outstanding Capital Projects

i) Current Capital Plans

Tables found in Appendix B - Capital Project Summary Chart identifies a list of capital projects. The status of these projects have been noted, along with estimated capital costs, priority level in short, medium or long-term horizons, a description of the project and the source report or initiative that inspired the project. In summary, there are approximately 35 projects included on this list as outstanding projects, many of which are related to trail development.

ii) Trails Planning

Past engagement of the 2016 Open Space Plan identified that trails were by far the most prominent recreational amenity in demand by residents. In October 2021 the County pursued a gap analysis for its trail system in the developed area of the Sturgeon Valley, with the goal of highlighting the deficiencies in the existing trail system, guiding connectivity planning and determining necessary funding for future enhancements and improvement of service delivery standards for non-vehicular mobility. The study resulted in an assessment that:

- confirmed the vision for the trails system;
- confirmed the feasibility of neighbourhood trail connections through undeveloped utility corridors; and
- developed options for active transportation routes along the main roads through the valley (Bellerose Drive, Sturgeon Road, Starkey Road, Old Coal Mine Road, and Estates Way West and East).

An engagement program identified desired routes for trails, barriers to trail use in the County, key destinations and a draft trails and active transportation network system for the Sturgeon Valley area. Overall, this process influenced the prioritization of trail development projects within the project limits.



9.2 Prioritizing Future Capital Projects

Figure 17 - Capital Project Scoring Matrix for Parks and Open Space identifies a number of criteria indifferent categories by which future capital projects can be assessed. Each criteria holds a different weighting. Through the selection of scoring for each of the criteria, a total value can be determined that allows comparison between projects. The following provides a general statement for potential values resulting from using this matrix:

Table 2 - General Description	n of Scoring Matrix Results
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Score	Description	Proceed?			
100	Perfect score (and highly unlikely). The project meets the highest of standards in all aspects of the scoring matrix.				
90-100	Exceptional. The proposed project has exemplary attributes that should be given high priority for immediate planning and implementation.	Yes			
70-90	High. The project received the highest ranks in most categories and should be considered for implementation.	Yes			
50-70	Moderate. The project has very good merits in many categories while not meeting targets in many areas. Explore improving the project in some areas if possible.	Consider adjustments			
30-50	Good. The project has strengths in limited criteria while scoring poorly in several others.	Consider adjustments			
0-30	Poor. The project has criteria with significant weaknesses and should be re-calibrated prior to consideration.	No			

An assessment of each capital project was not conducted as part of this master plan update. The following figure identifies the proposed scoring matrix. To demonstrate the scoring of a project, the values identified in red are based on the example candidate project shown on Figure 16 - Candidate Site #3: Agricultural Fringe. This example evaluation using the scoring tool results in a total aggregate score of 84, which falls into the "high" description as shown on Table 2 - General Description of Scoring Matrix Results.

It is important to recognize that this scoring matrix can be adjusted moving forward. Strategic priorities may change, and the weighting of the various scoring criterial may be tweaked to better reflect the values of residents, Council and Administration. The scoring matrix serves as a good starting point to evaluate capital projects and it is important that it remains a living document that is re-evaluated as it is used.

tem		Description	Description	Value	Weight	Score	Tota
			Essential Project - there are legal, safety, regulatory or mandated reasons to pursue this project and without doing so will create legal concerns, fines or high risk of liability against the Municipality's planned growth. High degree of alignment with the Stratgic Plan				Г
			Priority Project - projects deemed a priority to Council and will maintain critical infrastructure to residents, however are not mandatory. Very well aligned with the pillars of the Strategic Plan	80			
1	Strategic Importance	Project aligned to corporate priorities and outcomes.	Efficiency or Cost Savings Project - has a positivbe break-even over the life of the capital investment due to operational cost savings and will provide financial beneits in the future. Some alignment with the Strategic Plan. To do this, assess current operating and maintenance costs then evaluate potential changes		12%		10
			Lifecycle Maintenance - projects that maintain existing capital infrastructure in its current state. Projects are not mandatory however if not pursued, the condition of exiting infrastructure will decline. Low alignment with the Strategic Plan				
			Improvement - projects will increase service levels sich as new facilities, expanding existing infrastructure or new initiatives. Low to no alignment with the Strategic Plan	20			
			Significant decrease in operating costs over a 10-year period, >\$100,000	100			
			Moderate decrease in operating costs over a 10-year period, \$50,000 to \$100,000	50	1		
			Marginal decrease in operating costs over a 10-year period, \$0 to \$50,000	25	1		
2	Budget Impact	Overall Impact of Project Costs	Little or no impact to operating costs, or not applicable	0	5%		
			Marginal increase in operating costs over a 10-year period, \$0 to \$50,000	-25			
			Moderate increase in operating costs over a 10-year period, \$50,000 to \$100,000	-50			
			Significant increase in operating costs over a 10-year period, >\$100,000	-100			
			Direct alignment will all plans	100			
3	Strategic Alignment	Compatibility with Strategic Plan, Muncipal Development Plan,	Indirectly aligned with some plans, but not all	50	12%		
		other statutory plans	No alignment with any strategic plans	0			
	Environmental Ethic		Greatly improves natural systems by adding new or enhanced ecological features, and a clear increase in biodiversity, wise use of materials, etc.	100			
		Demostrates environmenal value:	Project provides improvements to natural systems such as increasing biodiversity and climate		1		
			resiliency There are minor improvements to natural systems however much of the site's ecological function will remain the same				
4			Has no negative ecological impacts to natural systems including water, air, earth and provides an improvement to habitat for flora and fauna		- 20%		2
			Degrades the natural quality of ecological functions of a site	-25			
			Impairs or elminates more than 50% of the ecological functions of a site	-50			
			Eradicates natural conditions of a site and eliminates natural habitat for flora and fauna	-100			
		The extent to which the project will address / mitigate risk to public health and / or occupational health and safety	Risks to the public once posed by the site are now eliminated and passes a CPTED evaluation	100			-
5	Public Risk		There are no risks to the public, and personal safety on site remains the same as prior to implementing this project, generally meets CPTED guidelines		12%		1
			Risks to the public are unavoidable and mitigation measures must be put into place, does not meet CPTED guidelines				
		Now this project aligns with	Demonstates innovation (is new to the region) and brings a high degree of conformance with local, provincial and national trends and leading practices for recreation	100		100	-
5	Trends & Leading Practices	current trends and leading	Aligns with local, provincial and national trends and leading practices for recreation	50	9%		
	Flactices	practices in recreation	Has minor alignment with trends and leading practices	25	İ danı danı danı danı danı danı danı danı		
			Does not align with the trends and leading practices	0			
	Sense of Place and	How the project reflects local	The project has significant contributions to promoting local identity and sense of place for the County				
7	Community	values, promotes the County's sense of place	The project acknowledges local identity and is suited to the County The project does not have attributes that reflect local identity and does not promote sense of place	0 -50	10%		
			The County maintains staff with the necessary skills and availability to the project to self-deliver	100			
B	Staff Capacity and Support	Ind The County has existing staff to deliver on the project	The County would need to hire outside consulting / contractor assistance to deliver the project, which is readily available in the region		10%	50	
			The expertise and capacity does not currently exist internal to the County nor is is readily available in the region	0			
			Both capital and operating costs are from external sources, from other levels of governmnent, partnerships, other grants				
9	Funding Sources	Where the capital and operating		100	10%		, I
	Punding Sources	costs are coming from	25% to 74% of project financing is from external sources	50	- 10 %		Ľ '
			Less than 25% of the project is financed from an external source	25			
			Project is financed entirely through municipal budgets				

Figure 17 - Capital Project Scoring Matrix for Parks and Open Space (used to determine project readiness)

Recommended Action #11: implement the practice of completing the Capital Project Scoring Matrix for Parks and Open Space for all future projects to help prioritize projects against one another, and to identify areas where improvements can be made to the project charter prior and terms of reference prior to proceeding.

9.3 Competencies for Project Delivery

Planning for parks and open space development requires a diverse set of competencies. Alike many comparable municipalities, Sturgeon County has a vast range of competencies amongst its staff that includes planning, legal services, public engagement, parks planning, engineering, agrology and a variety of technical services such as GIS and CAD support. The process of identifying ideal park sites through to implementation and long-term management necessitates this range of expertise. Further, the consulting market in the greater Edmonton area has all the necessary talents to deliver any project seen in Sturgeon County. The development of open space and the process needed to realize projects require a variety of expertise, therefore having a full range of perspectives is essential. While projects may be led by staff from the Community Services team, having a collaborative environment that allows for staff from other departments is essential.

Recommended Action #12: internal policy should mandate a collaborative environment amongst administrative staff to help with the planning, delivery, implementation and long-term management of open space projects. Administrative structure should foster support from different departments to help deliver capital projects related to open space and to maintain open spaces in the long-term.



9.4 Land Acquisition Tools

There are various means of securing land for the purpose of parks and open space development and protecting ecological systems from pressures of development and human use. In Alberta, many of these tools are available to municipalities as defined in the Municipal Government Act (MGA) as well as the Alberta Land Stewardship Act. The following describe some tools that can be used to formally and legally designate parcels of land for the purpose of dedicating land for recreation, preservation, conservation and protection from future alteration that may degrade or eliminate natural qualities of the land.

Division 8 of the MGA provides a municipality the authority to require a landowner to dedicate land for a certain municipal use, such as Environmental Reserve (ER) and Municipal Reserve (MR). Through this process, there are limitations to the amount and characteristics of the land that can be taken. Oftentimes taking of lands do not allow for sufficient areas to have an impact to the type of ecosystem intended to preserve or protect. For example, land take as ER serves the protection of riparian ecosystems well, however, does not provide for the ability to take adequate buffers beyond the limits of lands that qualify as ER. The County is encouraged to develop policy to work with private landowners adjacent to ER or MR areas to explore other tools such as conservation easements, giving land through land trusts or other private initiatives in key locations of critical ecological significance, which leaves the land title in the name of the original landowner but is managed in a different way that may achieve conservation and preservation efforts.

Recommended Action #13: work with private landowners adjacent to ER or MR areas to explore other tools such as conservation easements, giving land through land trusts or other private initiatives in key locations of critical ecological significance to create added buffers to ER or MR or establish stepping stones to and amongst regional ecological systems.

i) Environmental Reserve

The Municipal Government Act includes the ability for a municipality to determine land as Environmental Reserve (ER). This land is typically unsuitable for significant development and is comprised of land classified as a swamp, gully, ravine, coulee, floodplain or land nearby a body of water. Any development with ER is usually limited to access trails. ER is usually dedicated during the process of subdividing privately owned land, whereby the reserve land is taken by the municipality for the purpose of ensuring development is restricted from the area of land unsuited to development and for environmental preservation reasons. Taking ER also helps to protect the public by identifying problematic lands that may be unstable for development or create unsafe conditions for people during day-to-day use.

ii) Municipal Reserve

Municipal reserve is a second means for a municipality to take land under the MGA. Typically done at the time of area structure planning, municipalities can take up to 10% of a total land area, minus any area to be taken or already taken as ER, as municipal reserve, school reserve or

municipal and school reserve. The land transaction typically takes place at the time of subdivision. MR areas are intended to have a recreational focus, providing access for all people into these spaces for a variety of recreational opportunities. In some contexts, MR land is left intact and can be patches of forested land, grasslands or otherwise natural habitat. In most cases, the land is converted into some form that allows for more planned recreation such as sports fields, playground developments, amongst other uses.

iii) Land Trusts

A land trust is "a not-for-profit, non-government organization established to promote the conservation of biodiversity on private land" (Alberta, 2021). Land trusts typically focus on land conservation initiatives and held by societies that are non-profit and charitable organizations. They more often than not are focused on protecting sensitive or otherwise significant natural habitat and usually encourage sustainable human use for education, recreation and social functions. Land trusts are similar to other legal trusts, whereby a grantor sets unique terms and conditions that fit their needs.

Any land in Alberta that is established into a land trust must demonstrate that the intended use of the land aligns with the government's overall conservation objectives. Funding is available for projects that land trusts and conservation efforts under the Alberta Land Trust Grant Program. Alberta Environment and Parks is the provincial department that administers this program, and their conservation priorities are focused on maintaining large areas of native landscape, conserving connecting corridors, sustaining disconnected pockets of native habitat within fragmented landscapes and supporting watershed functions for healthy aquatic ecosystems and water quality (Province of Alberta, 2021).



iv) Conservation Easements

The Alberta Land Stewardship Act includes the Conservation Easement Registration Regulation, last updated in early 2021. This Regulation allows the formal designation of lands for the protection, conservation and enhancement of the environment, of natural scenic or aesthetic values and of agricultural land or land for agricultural purposes. These protection efforts must be focused on land with the intended purpose of recreational use, open space use, environmental education use, or for use for research and scientific studies of natural ecosystems. The regulation provides clear rules concerning the registration of a conservation easement and will then add the parcel to a provincial-wide registry of all registered lands.

Recommended Action #14: conduct a County-wide review of ecological systems and update the 1989 Environmentally Sensitive Areas Technical Report to review all public land as well as privately held lands that may qualify as ER, CR or be candidates for conservation easements.

v) Green Acreages Program

Throughout Alberta, many small acreage, hobby farm and recreational property owners are looking to manage their land in a more sustainable manner. The program seeks to provide landowners the ability to implement stewardship programs to conserve and protect natural assets such as air, land, water and wildlife. Funding comes from Alberta's Watershed Resiliency and Restoration Program, providing access to landowners for cost-sharing of landowneridentified projects. Examples of projects include:

- projects that enhance natural watershed function;
- wetland enhancements, such as enhancing riparian and upland vegetation associated with wetlands
- stormwater management, such as erosion controls, planting vegetation, wetland enhancements or construction, hydrologic function enhancement for the watershed (may include planting, contouring, wetland construction), floodplain restoration, lowimpact developments (such as rain gardens and bioswales);
- riparian zone enhancements through planting and buffers;
- shoreline remediation and/or re-naturalization, such as planting native species, reinforcing shoreline through soil bioengineering and other natural methods;
- erosion reduction measures (e.g., shoreline or riparian naturalization with native plants, establishing a buffer of native plants between landscaped areas and bodies of water, and re-establishment of shorelines through soil bioengineering and other natural methods);
- exclusion fencing, off-site watering systems and stream crossings (e.g., to keep livestock out of water bodies and away from riparian areas); and
- use of native species in planting initiatives.

Information seminars are made available through various municipalities, and workbooks with background information is available to people with interest in the program. The Green Acreages program is geared solely toward individual landowner initiatives, and not directed toward public open space. On the other hand, systems-based planning initiatives are important to help conserve, protect and enhance natural systems that span both private and public property.

Recommended Action #15: put an emphasis on promoting the Green Acreages Program to help build a stronger environmental ethic amongst residents, and to help establish more ecological stepping stones.

9.5 Recommendation for Additional Local Policy

Throughout this document various policy statements or policy direction were identified in text boxes. The following summarizes the various policy recommendations made in this plan:

- Section 3.3 Recommended Action: formulate policies so that they consider ecological impacts at a County-wide or watershed scale opposed to limiting impacts at a site scale;
- Section 4.0 Trends and Leading Practices in Recreation: apply national, provincial and regional trends and leading practices into newly proposed capital project plans to determine alignment and support project selection;
- Section 5.2 Level of Service and Distribution Analysis: ensure that there is a strong representation of open space typologies right across the transect provided, adding inventory to the open space network in areas that the system is deficient in;
- Section 9.3 Competencies for Project Delivery: internal policy should encourage a collaborative environment amongst administrative staff to help with the planning, delivery, implementation and long-term management of open space projects;
- Section 9.4 Land Acquisition Tools: develop policy to work with private landowners adjacent to ER or MR areas to explore other tools such as conservation easements, giving land through land trusts or other private initiatives in key locations of critical ecological significance; and
- Section 9.4 Land Acquisition Tools: conduct a County-wide review of ecological systems and update the 1989 Environmentally Sensitive Areas Technical Report to review all public land as well as privately held lands that may qualify as ER, CR or be candidates for conservation easements.

It is recommended that the above policy direction be written into statutory plans such as the next iteration of the Municipal Development Plan, or that specific policies be drafted to address these statements. Some of these statements can be rolled into the same policy.

10.0 Summary: Consolidated List of Recommendations

This update to the 2016 Open Space plan provides two main changes. First, the update rationalizes how open space is classified by including a new transect with four categories and 16 classifications of open space. This process identified that the County does not have an excess of any one category, and that there is a need to develop new types of open space as the County grows and population increases. Secondly, an evaluation tool was developed that will help to prioritize various projects against one another, ensure alignment with County-supported goals and objectives and to improve upon projects prior to implementing them.

Throughout the document, 15 recommended actions were included and are summarized as follows:

Recommended Action #1: open space policies and the way in which sites are planned and developed needs to strike a fine balance between maximizing human recreation potential and ensuring ecosystems can thrive.

Recommended Action #2: open space planning and design should be coordinated with the desired community outcomes that have been identified in the 2021 Sturgeon County Strategic Plan for 2022-2025 as each of the guiding principles, community outcomes and the overall vision are directly relevant to open space planning.

Recommended Action #3: formulate policies so that they consider ecological impacts at a County-wide or watershed scale opposed to limiting impacts at a site scale. Partnerships with entities such as Alberta Biodiversity Monitoring Institute (ABMI), is recommended.



Recommended Action #4: apply national, provincial and regional trends and leading practices into newly proposed capital project plans to determine alignment and support project selection.

Recommended Action #5: promote education of Sturgeon County residents and landowners on the value of protecting natural systems and forge a stronger environmental ethic: value in a balanced sense that considers a balance of ecological, human health and monetary benefits.

Recommended Action #6: the County's asset management system needs to include the inventory of public open space, recreational amenities and all parks assets. The asset management plan must address the needs for infrastructure renewal while having equal importance on preserving natural systems.

Recommended Action #7: Sturgeon County is encouraged to create development guidelines and policy that includes principles of biodiversity and low impact development to help prioritize the protection of the natural environment.

Recommended Action #8: ensure that there is a strong representation of open space typologies right across the transect provided, adding inventory to the open space network in areas that the system is deficient in as development continues and Municipal Reserve dedications and land swapping opportunities become available.

Recommended Action #9: prohibit the disposition of open space given the low supply of open space across the transect of different typologies. Develop a focus on enhancement of existing typologies and conduct a more detailed enhancement plan for key open spaces to more precisely delineate appropriate uses, setback requirements and environmental enhancement initiatives. **Recommended Action #10:** encourage public education and develop stronger partnerships with private landowners to help preserve in-tact natural areas and to promote biodiversity, such as the Alternative Land Use Services (ALUS) program that is common here in Alberta.

Recommended Action #11: implement the practice of completing the Capital Project Scoring Matrix for Parks and Open Space for all future projects to help prioritize projects against one another, and to identify areas where improvements can be made to the project charter prior and terms of reference prior to proceeding.

Recommended Action #12: internal policy should mandate a collaborative environment amongst administrative staff to help with the planning, delivery, implementation and long-term management of open space projects. Administrative structure should foster support from different departments to help deliver capital projects related to open space and to maintain open spaces in the long-term.

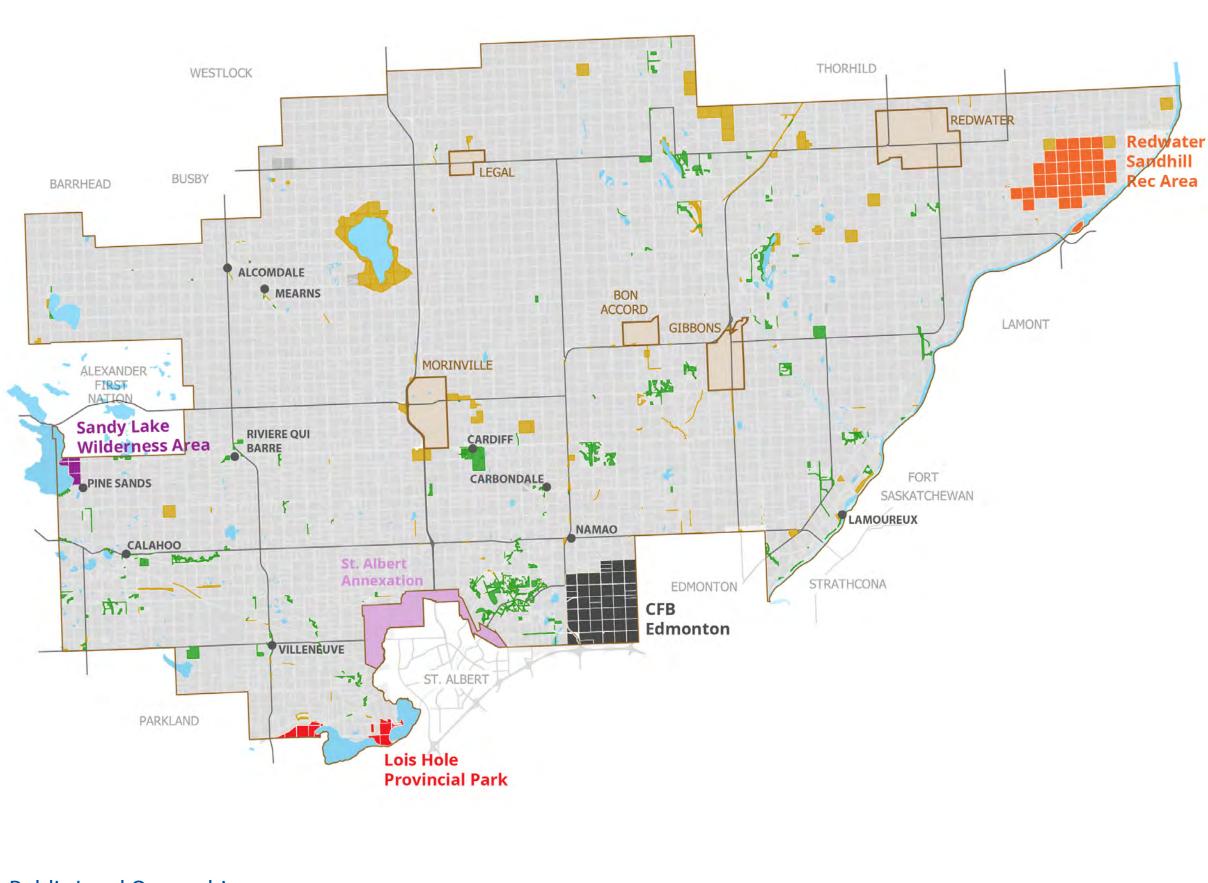
Recommended Action #13: work with private landowners adjacent to ER or MR areas to explore other tools such as conservation easements, giving land through land trusts or other private initiatives in key locations of critical ecological significance to create added buffers to ER or MR or establish stepping stones to and amongst regional ecological systems.

Recommended Action #14: conduct a County-wide review of ecological systems and update the 1989 Environmentally Sensitive Areas Technical Report to review all public land as well as privately held lands that may qualify as ER, CR or be candidates for conservation easements.

Recommended Action #15: put an emphasis on promoting the Green Acreages Program to help build a stronger environmental ethic amongst residents, and to help establish more ecological stepping stones.

Appendix A: Maps



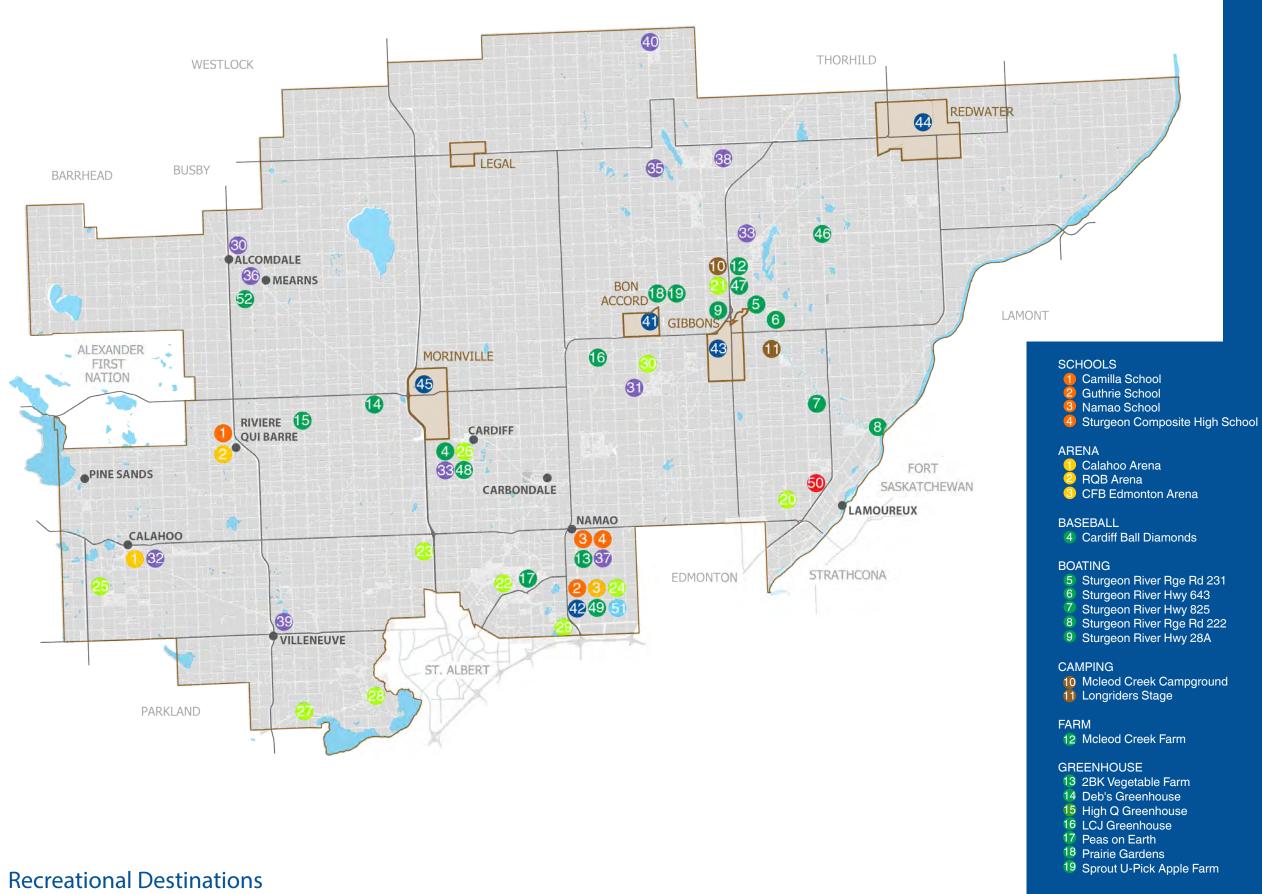


Public Land Ownership

LEGEND

Sturgeon County lands
Crown/provincial lands
Local Municipalities
St. Albert Annexation
CFB Edmonton
Lois Hole Provincial Park
Redwater Sandhill Rec Area
Sandy Lake Wilderness Are





GOLF

- 23 Fort In View Golf Course
- 24 Goose Hummock Golf Resort
- Sturgeon Valley Golf and Country Club
 Terrae Pines Golf and Country Club
- 2 Lancaster Golf
- Zalahoo Hills
- 20 Cardiff Park Golf
- JR's Golf Course 30
- 20 Sandpiper
- 2 Cattail Crossing Golf & County
- 22 Spring Creek

HALL

- 3 Alcomdale Hall
- 32 Calahoo Hall
- 33 Cardiff Hall
- 34 Coronado Community Hall
- 35 Fedorah Community Hall
- 36 Mearns Community Hall
- 37 Namao Community Hall
- B Pinewood Hall
- 39 Villeneuve Community Hall
- 40 Waugh Community Hall

LIBRARY

- (41) Bon Accord Library
- 42 Edmonton Garrison Community Library
- 43 Gibbons Public Library
- A Redwater Public Library
- 45 Morinville Public Library

PAINTBALL

46 Quest of Adventure

PARK

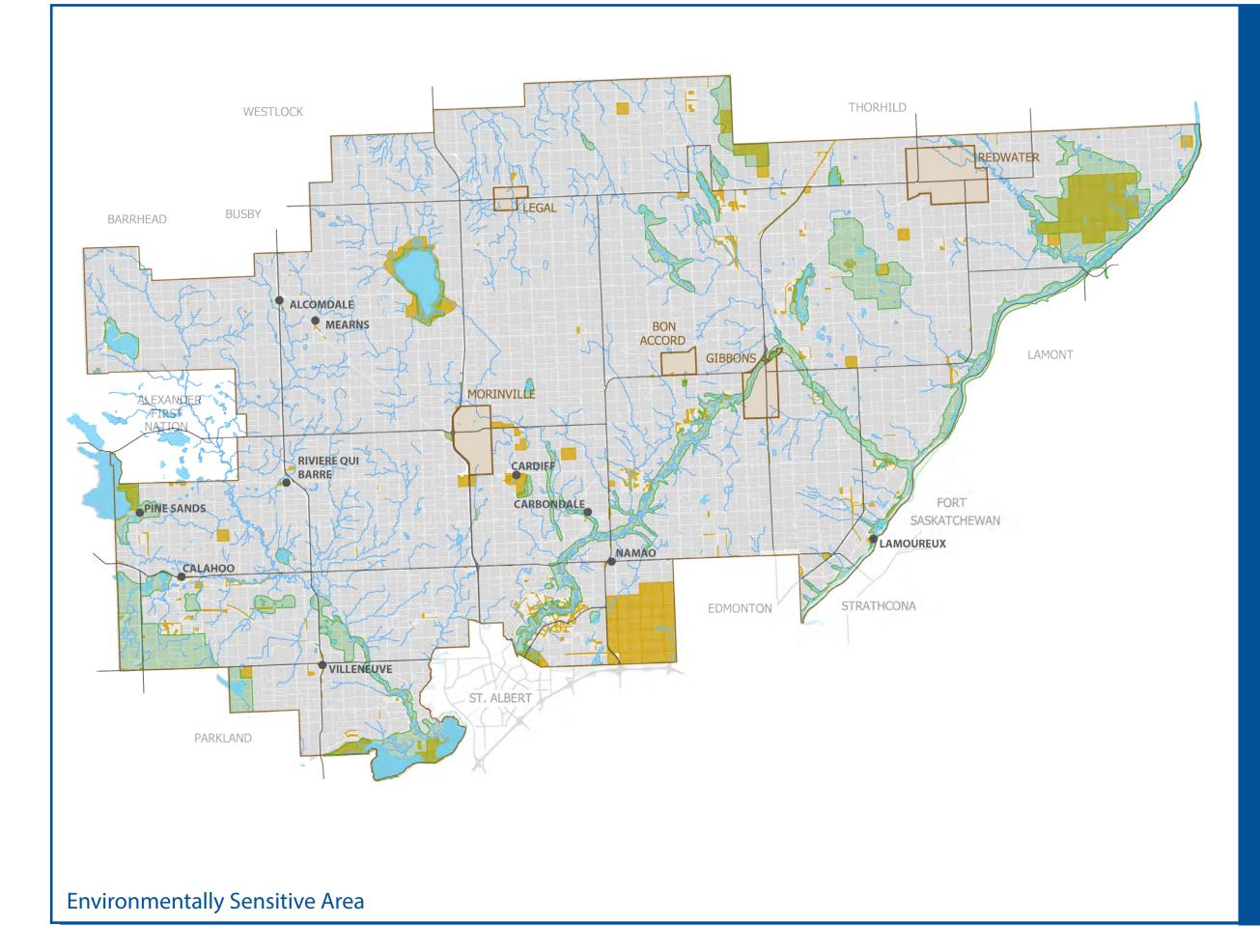
- 47 Jurassic Forrest
- 48 Cardiff Park
- 49 Lancaster Park

RACE TRACK 50 Stratotech Raceway

RECREATION COMPLEX 51 Edmonton Garrison Rec Complex

WELLNESS 52 Infiniti Trails 4 Healing



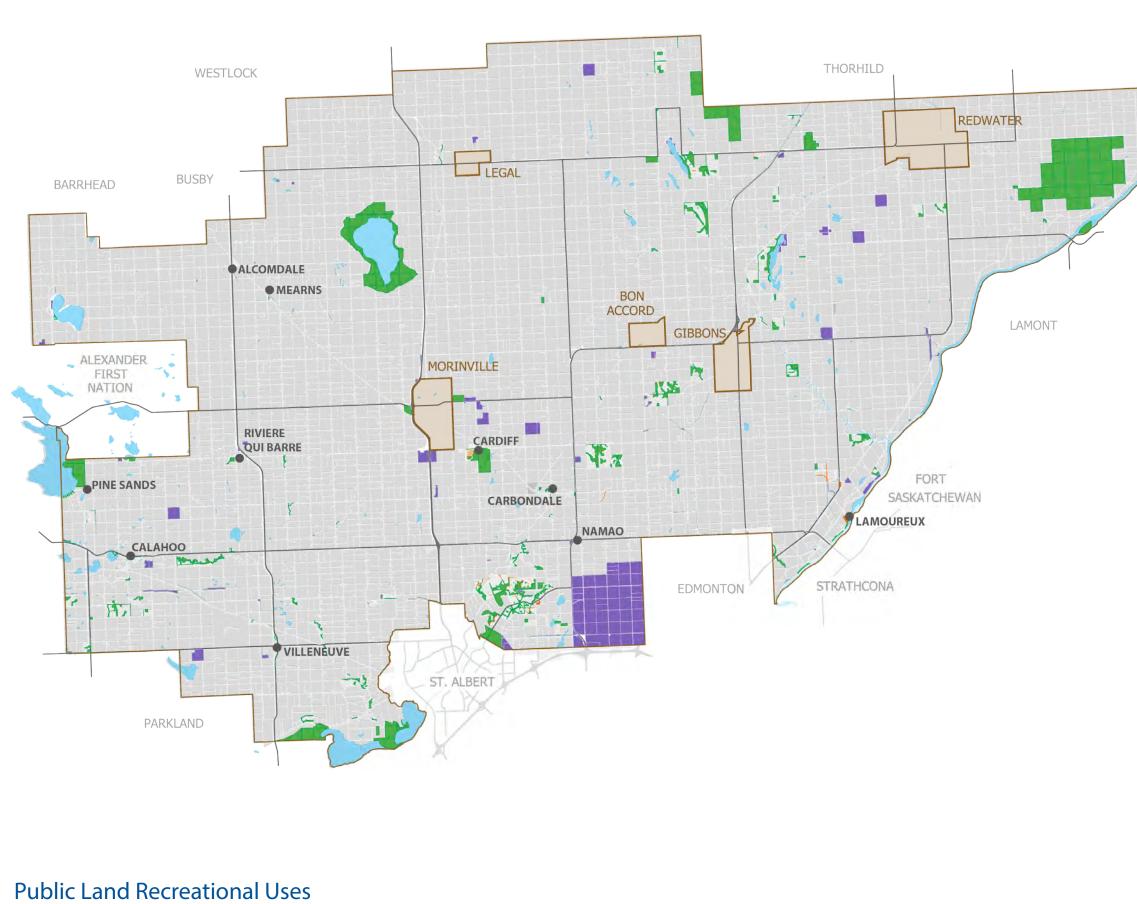




Environmentally Sensitive Area

All Public Lands

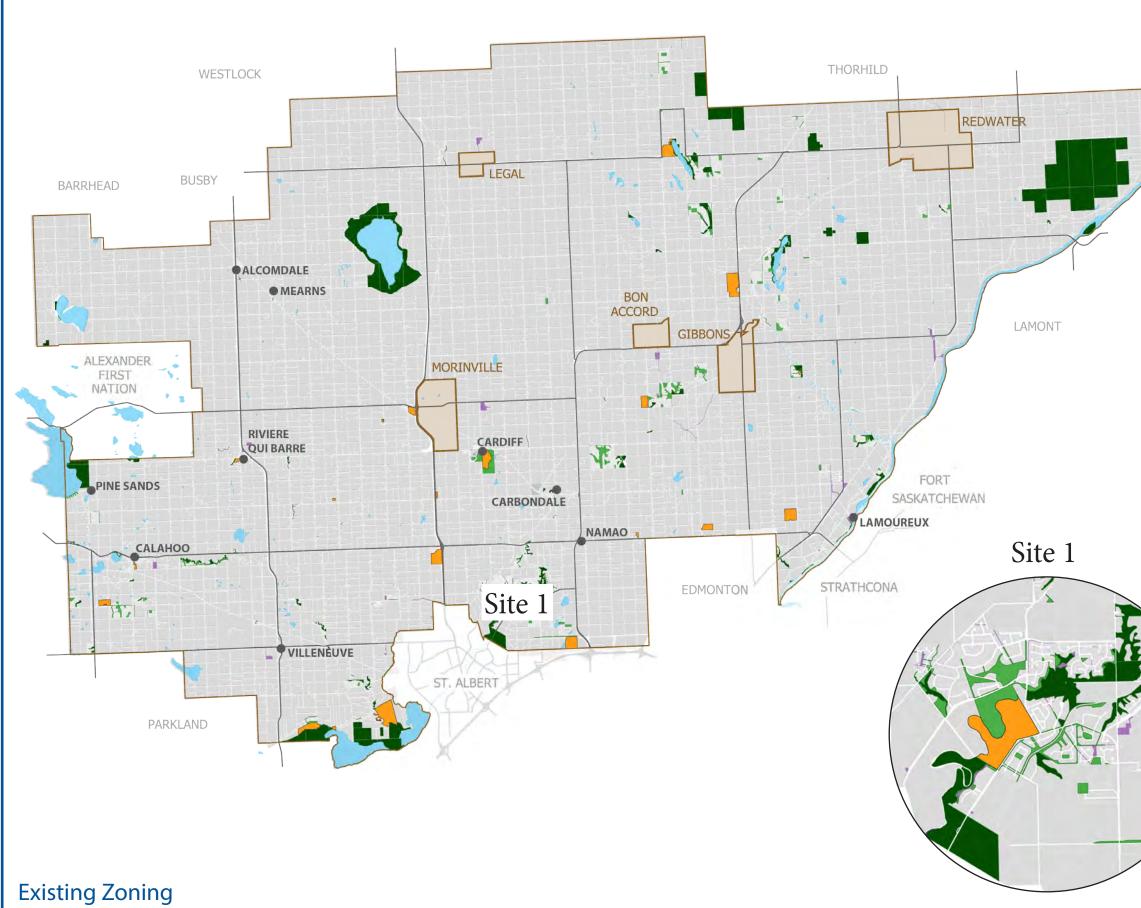














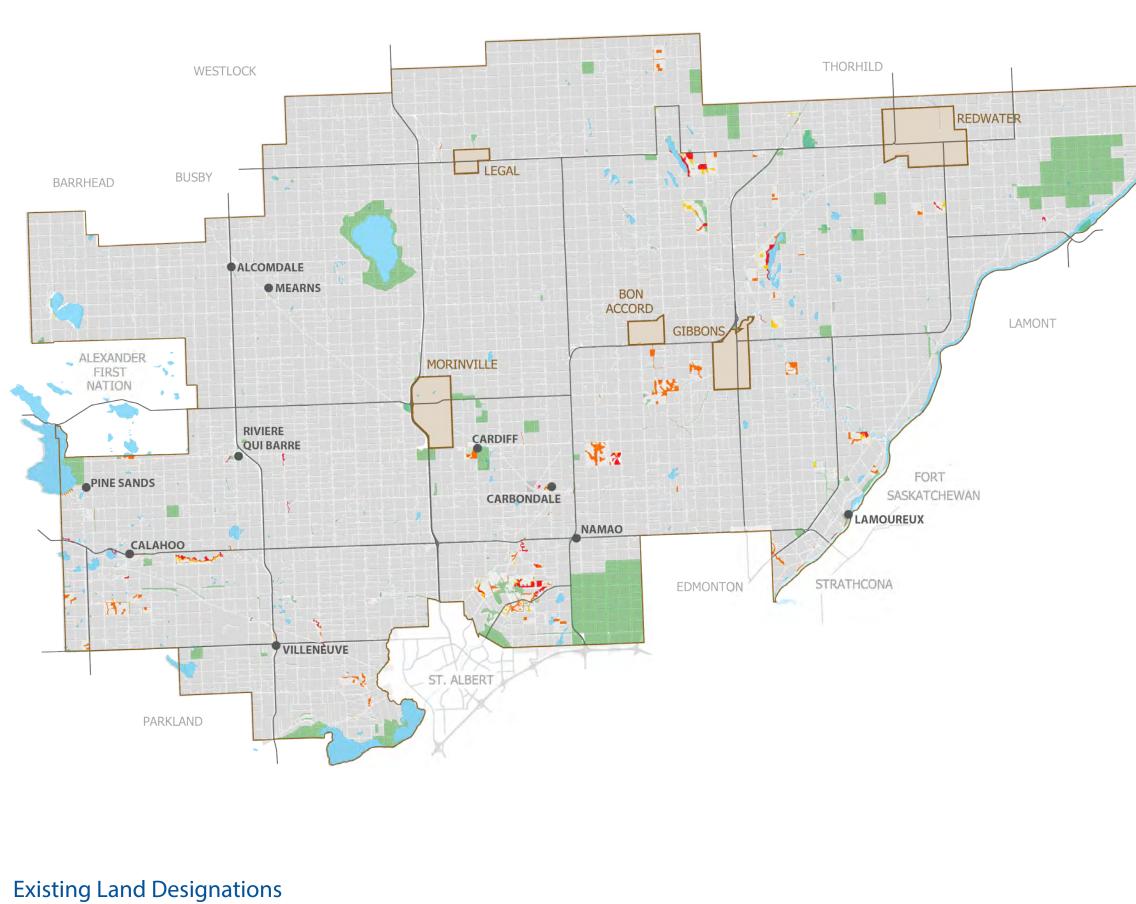
538

LEGEND

 EP - Environmental Protection
POS - Public Open Space
PU - Public Utility

REC - Recreational

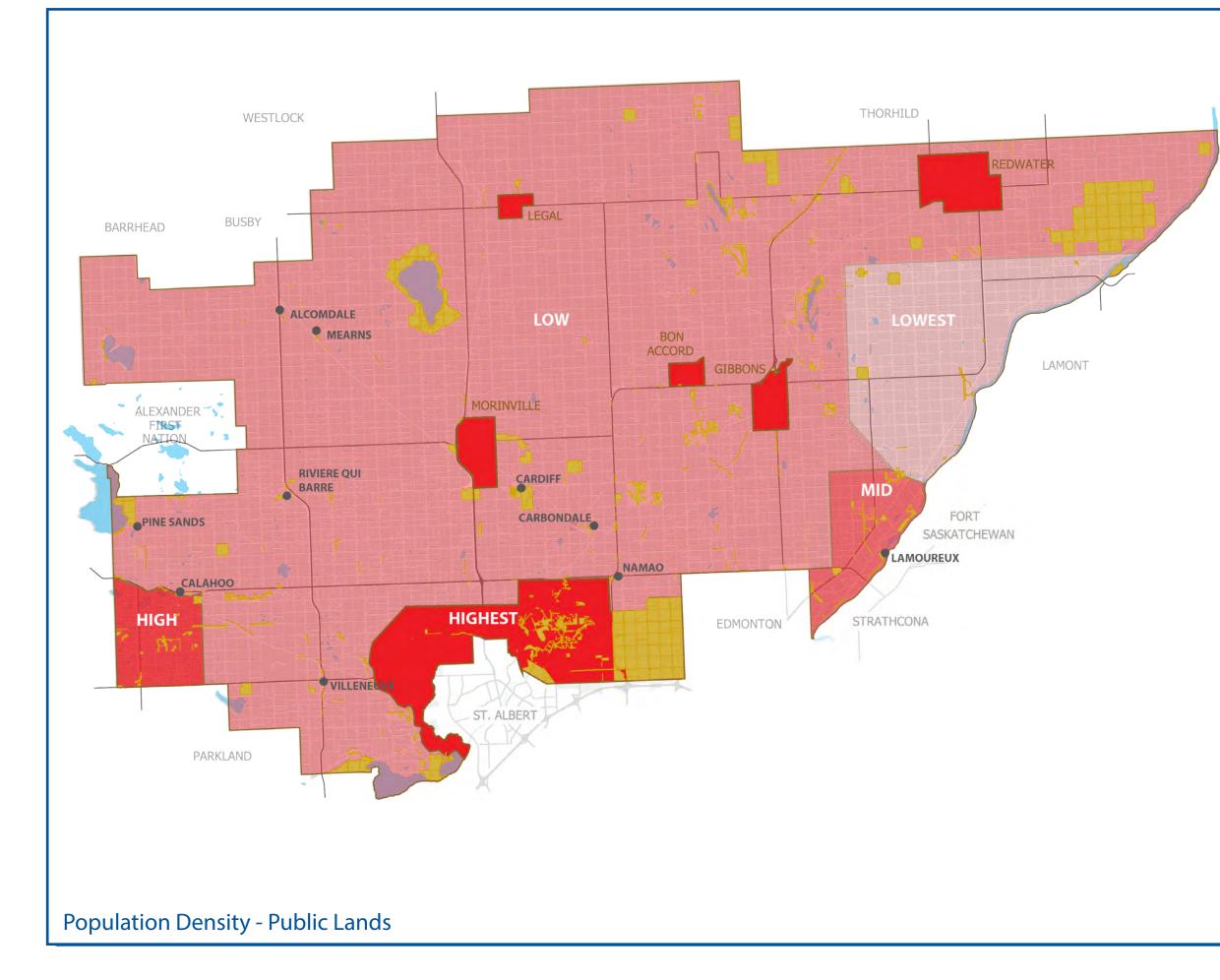






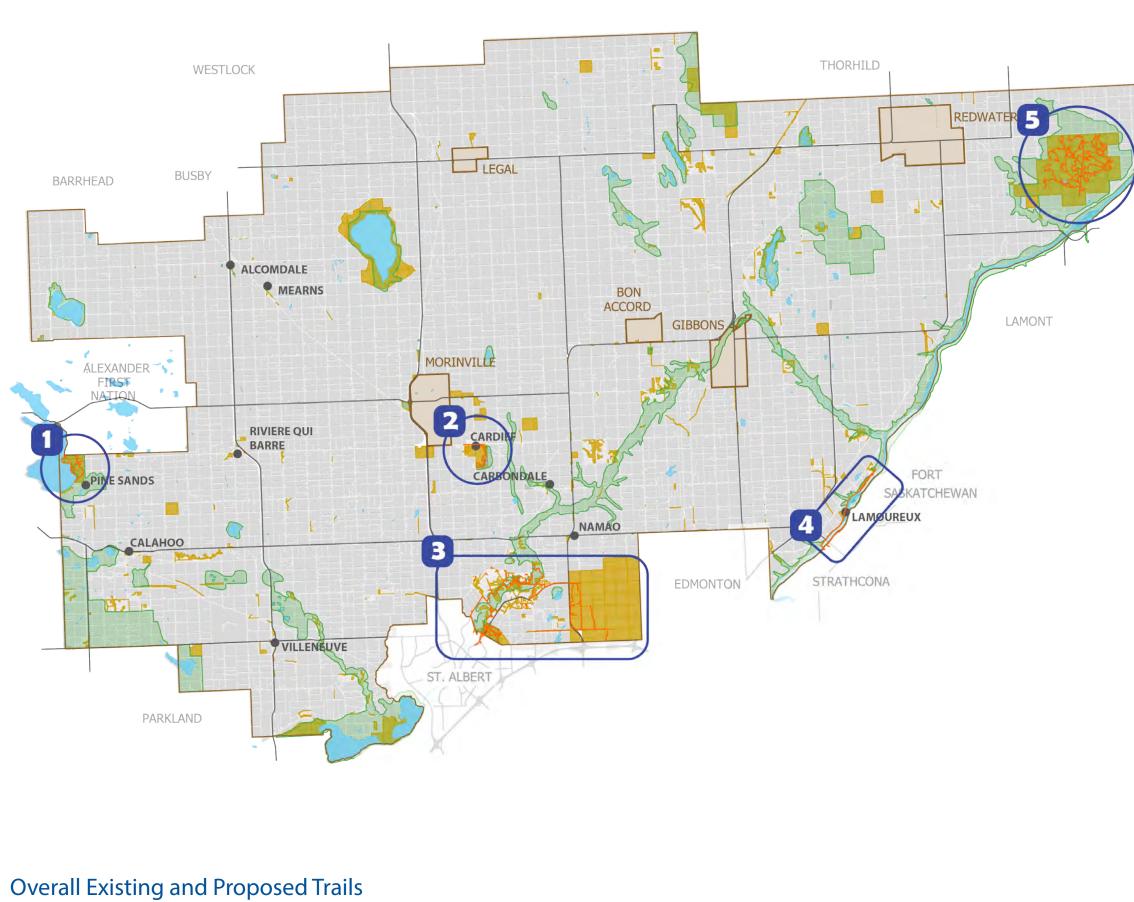
ER - Environmental Reserve
MR - Municiple Reserve
R - Reserve
All Public Lands





	Public Lands
POPUL	ATION DENSITY
(# OF F	PEOPLE PER 1000 HA OF LAND)
	Lowest Density (18)
	Low Density (60-82)
	Mid Density (114)
	High Density (218)
	Highest Density (445 and over)





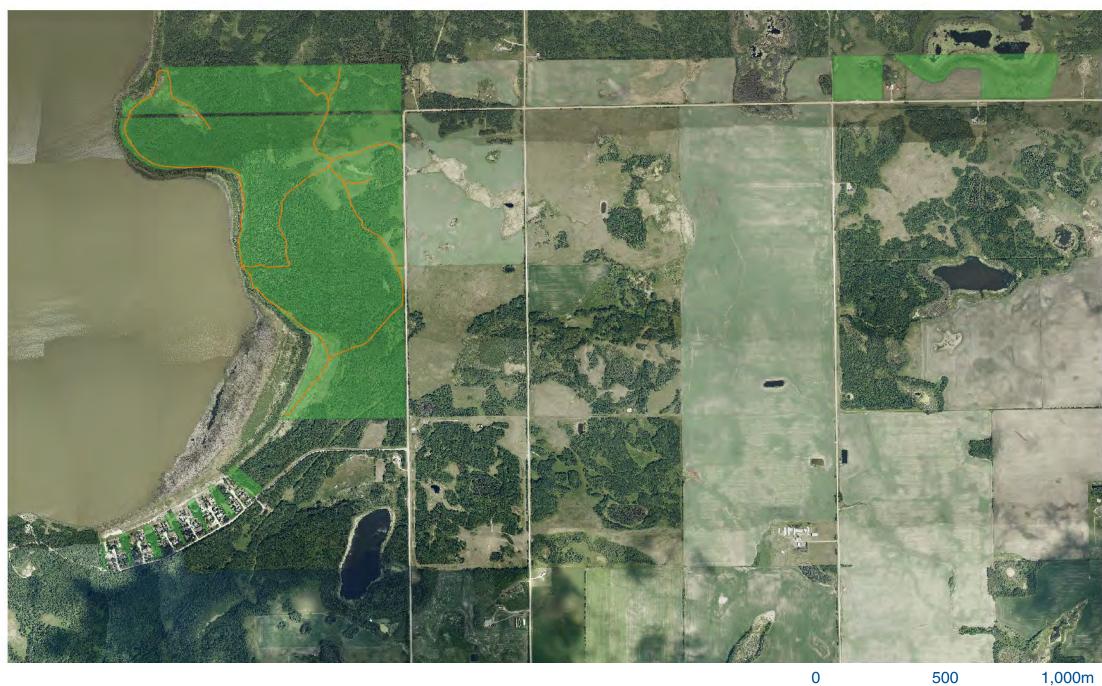


 Existing/Proposed Trails
Environmentally Sensitive Area
All Public Lands

NAMED TRAILS

SITE 2 Cardiff Red Ribbon Trail Cardiff Road Trail SITE 3 Bellerose Trail Edmonton Garrison Trails Old Bellerose Trail Pinnacle Ridge Trail River's Gate Trail Riverlot 56 Riverstone Connector Trail **Riverstone Trail** Starkey Trail Sturgeon Rd East Trail Valley Trail Valor Avenue Trail SITE 4 Lamoureaux Trail Fort Augustus Heritage Trail





0

1,000m

Site 1 Existing Trails

LEGEND



- Existing Trails

Public Lands

SANDYLAKE WILDERNESS AREA

Existing trails surface: Dirt Total length of trails approx. 6900m





0 250 500m

Site 2 Existing Trails

LEGEND

Existing TrailsPublic LandsTotal length of trails approx. 6400m

CARDIFF PARK

CARDIFF RED RIBBON TRAIL Surface: Shale Length: 5200m CARDIFF ROAD TRAIL Surface: Asphalt Length: 1200m





Site 3 Existing/Proposed Trails

LEGEND

Existing Trails

Total length of trails approx. 42.1km

----- Proposed Trails

Total length of trails approx. 12.3km

Public Lands

STURGEON VALLEY

BELLEROSE TRAIL Surface: Asphalt Length: 2000m

EDMONTON GARRISON TRAILS Surface: Asphalt Length: 12.2km

OLD BELLEROSE TRAIL Surface: Asphalt Length: 932m

PINNACLE RIDGE TRAIL Surface: Asphalt Length: 928m

RIVER'S GATE TRAIL Surface: Asphalt Length: 1280m

RIVERLOT 56 Surface: Dirt Length: 9.2km

RIVERSTONE CONNECTOR TRAIL Surface: Asphalt Length: 300m STARKEY TRAIL Surface: Asphalt Length: 1249m

STURGEON RD EAST TRAIL Surface: Asphalt Length: 3061m

TWP RD 542 TRAIL Surface: Asphalt Length: 2329m

VALLEY TRAIL Surface: Asphalt Length: 1194<u>m</u>





----- Existing Trails

Total length of trails approx. 6.7m

------ Proposed Trails

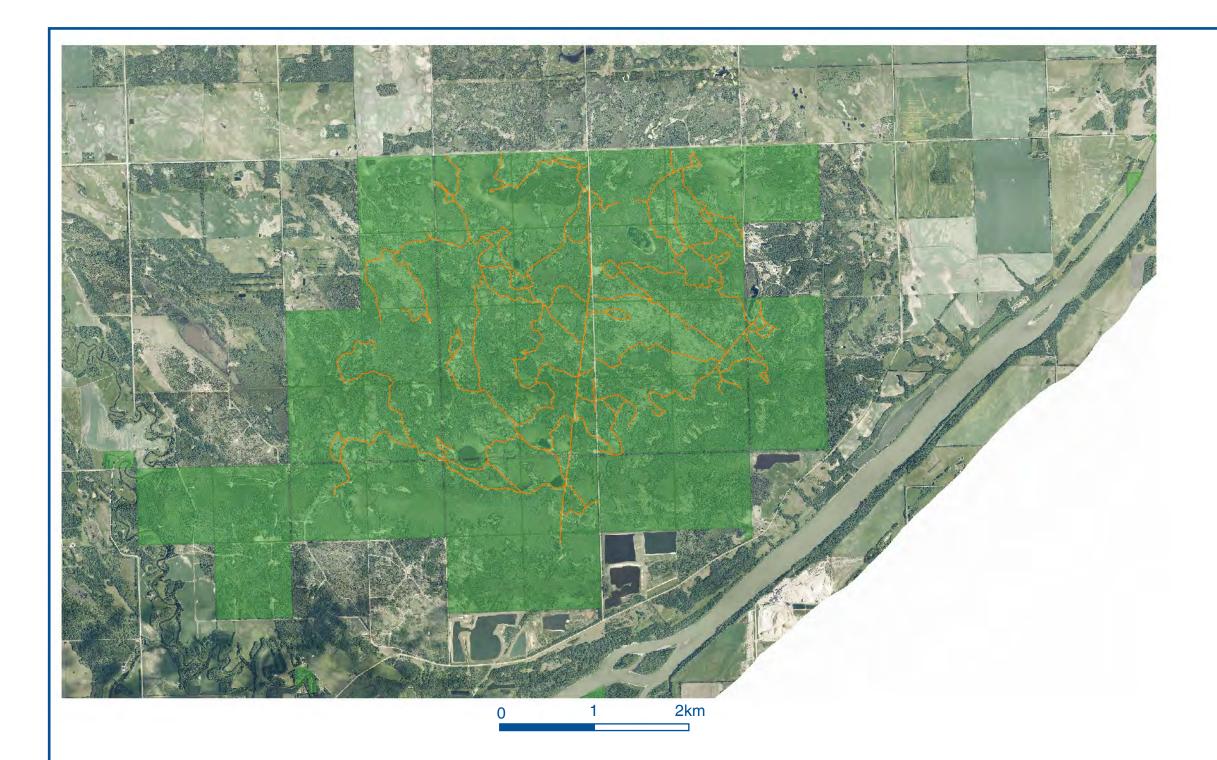
Total length of trails approx. 4.8km

Public Lands

RIVERSIDE TRAILS

LAMOUREAUX TRAIL Surface: Asphalt Length: 1885m

FORT AUGUSTUS HERITAGE TRAIL Surface: Asphalt Length: 2189m



Site 5 Existing Trails

LEGEND



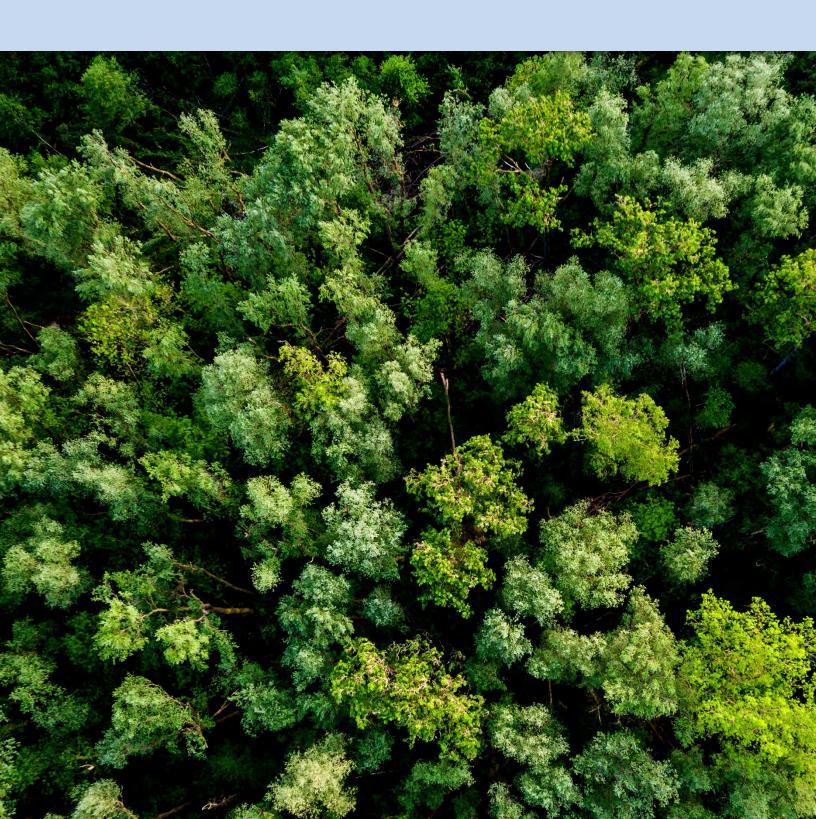
Public Lands

REDWATER TRAILS

Existing trails surface: Dirt Total length of trails approx. 57.7km



Appendix B: Capital Projects Summary Chart



New Park Park Redevelopment

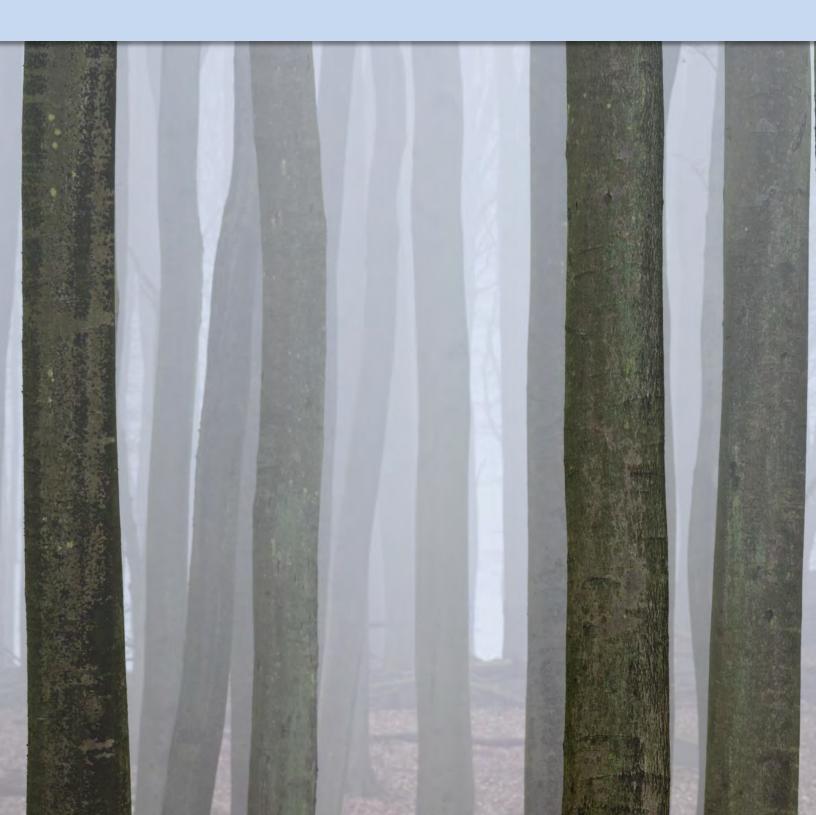
Project Type:

🗌 Pathway

Conservation

Item		Description	Description	Value	Weight	Score	Total
			Essential Project - there are legal, safety, regulatory or mandated reasons to pursue this project and without doing so will create legal concerns, fines or high risk of liability against the Municipality's planned growth. High degree of alignment with the Stratgic Plan	100			
			Priority Project - projects deemed a priority to Council and will maintain critical infrastructure to residents, however are not mandatory. Very well aligned with the pillars of the Strategic Plan	80			
1	Strategic Importance	Project aligned to corporate priorities and outcomes.	Efficiency or Cost Savings Project - has a positivbe break-even over the life of the capital investment due to operational cost savings and will provide financial beneits in the future. Some alignment with the Strategic Plan. To do this, assess current operating and maintenance costs then evaluate potential changes	60	12%		
			Lifecycle Maintenance - projects that maintain existing capital infrastructure in its current state. Projects are not mandatory however if not pursued, the condition of exiting infrastructure will decline. Low alignment with the Strategic Plan	40			
			Improvement - projects will increase service levels sich as new facilities, expanding existing infrastructure or new initiatives. Low to no alignment with the Strategic Plan	20			
			Significant decrease in operating costs over a 10-year period, >\$100,000	100			
			Moderate decrease in operating costs over a 10-year period, \$50,000 to \$100,000	50			
			Marginal decrease in operating costs over a 10-year period, \$0 to \$50,000	25			
2	Budget Impact	Overall Impact of Project Costs	Little or no impact to operating costs, or not applicable	0	5%		
	.		Marginal increase in operating costs over a 10-year period, \$0 to \$50,000	-25			
			Moderate increase in operating costs over a 10-year period, \$50,000 to \$100,000	-50			
			Significant increase in operating costs over a 10-year period, >\$100,000	-100			
			Direct alignment will all plans	100			
7	Strategic Alignment	Compatibility with Strategic Plan, Muncipal Development Plan	Indirectly aligned with some plans, but not all		120/	t Score Image: Score Image: Score Image: S	
3	Strategic Alignment	Muncipal Development Plan, other statutory plans	No alignment with any strategic plans	50	12%		
			Greatly improves natural systems by adding new or enhanced ecological features, and a clear	0			
			increase in biodiversity, wise use of materials, etc.	100			
	Environmental Ethic	Demostrates environmenal values	Project provides improvements to natural systems such as increasing biodiversity and climate resiliency	50			
4			There are minor improvements to natural systems however much of the site's ecological function will remain the same	25	20%		
-			Has no negative ecological impacts to natural systems including water, air, earth and provides an improvement to habitat for flora and fauna	0	20/0		
			Degrades the natural quality of ecological functions of a site	-25			
			Impairs or elminates more than 50% of the ecological functions of a site	-50			
			Eradicates natural conditions of a site and eliminates natural habitat for flora and fauna	-100			
	Public Risk	The extent to which the project will address / mitigate risk to public health and / or occupational health and safety	Risks to the public once posed by the site are now eliminated and passes a CPTED evaluation	100			
5			There are no risks to the public, and personal safety on site remains the same as prior to implementing this project, generally meets CPTED guidelines	0	12%		
			Risks to the public are unavoidable and mitigation measures must be put into place, does not meet CPTED guidelines	-50			
			Demonstates innovation (is new to the region) and brings a high degree of conformance with local, provincial and national trends and leading practices for recreation	100			
6	Trends & Leading	Now this project aligns with current trends and leading	Aligns with local, provincial and national trends and leading practices for recreation	50	9%		
2 E 3 S 4 E 5 F 6 T F 7 S 0	Practices	practices in recreation	Has minor alignment with trends and leading practices	25			
			Does not align with the trends and leading practices	0			
			The project has signifcant contributions to promoting local identity and sense of place for the County	50			
7	Sense of Place and	How the project reflects local values, promotes the County's	The project acknowledges local identity and is suited to the County	0	10%		
	Community	sense of place	The project does not have attributes that reflect local identity and does not promote sense of place	-50			
			The County maintains staff with the necessary skills and availability to the project to self-deliver	100			
8	Staff Capacity and Support	The County has existing staff to deliver on the project	The County would need to hire outside consulting / contractor assistance to deliver the project, which is readily available in the region	50	10%		
			The expertise and capacity does not currently exist internal to the County nor is is readily available in the region	0	-		
			Both capital and operating costs are from external sources, from other levels of governmnent, partnerships, other grants	200			
			75% to 99% of project financing is from external sources	100			
9	Funding Sources	Where the capital and operating	25% to 74% of project financing is from external sources		10%		
	-	costs are coming from	Less than 25% of the project is financed from an external source	50 25			
			Project is financed entirely through municipal budgets	25 0			
	t	1					1

Appendix C: 2021 Sturgeon County Strategic Plan (2022-2025) Plan on a Page



Sturgeon County

STRATEGIC PLAN (2022 - 2025) - "PLAN ON A PAGE"

rural roots and cultivates desirable communities. Uniquely situated to provide world-class agricultural, energy, and business investment opportunities, the County prioritizes responsible stewardship and dreaming big.

Our Guiding Principles

•	Collaboration		Flexibility		Safety		Affordability
•	Accountability	•	Excellence	٠	Future Readiness	•	Innovation

Community Outcomes

Sturgeon County has identified five community outcomes to serve as goal statements for the organization, with corresponding strategic priorities. These outcomes will guide strategic decision making by the municipality to ensure Sturgeon County is continuously evolving in an tentional way

Thriving

with high standards

Engaging cultural, historic, and civic amenities

· Integrated natural spaces

and trail systems

· Safe, welcoming, and

diverse communities

personal connections

· Commitment to high

Strong community

identity and pride

· Healthy and resilient

quality of life

· Small community feel and

Communities



- Internationally competitive to attract, grow, and sustain diverse business
- Modern broadband and digital capabilities
- · Reliable and effective
- infrastructure · Low cost, minimal red tape
- regulations
- · Comprehensive land use and infrastructure planning Agricultural preservation
- and supports
- Tenacious focus on new growth and innovation

Operational Excellence

- · Engaged and effective people Council, Admin, volunteers
- · Quality, cost-effective service delivery
- · Robust procurement and operational practices and policies
- · Positive culture within the municipal organization
- · Continuous learning and improvement mindset
- Acknowledge and celebrate Sturgeon County's history and relationships with Indigenous and other communities
- · Support long-term transition to a low carbon economy, prioritizing hydrogen and other clean energy production
- · Embed thoughtful long-range financial and operational planning into decision-making processes
- Enhance local broadband, emergency, transportation, and recreation infrastructure
- · Ensure residents will be offered cost-effective and highly valued services

Key Strategies and Plans

Annual and Long-Term Plans Council's Strategic Plan

9613 - 100 Street Morinville, Alberta

T8R 1L9

- Municipal Development Plan, Land Use Bylaw, and community/ neighbourhood plans
- Service Oriented Master Plans (Recreation, Financial, Economic Development, etc.)
- · Operating and Capital Plans and Budget
- Alberta Industrial Heartland Association Strategic Plan

www.sturgeoncounty.ca

 Edmonton Regional Hydrogen HUB Plan Municipal Government Act and associated regulations

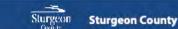
· Edmonton Metropolitan Region Growth Plan

Metropolitan Region Servicing Plan

Edmonton Global Strategic Plan

Monitoring and Reporting on Progress

- Corporate Business Plan Semi-Annual Reporting to Council
- Resident Engagement and Surveys
- Service Level Monitoring and Reporting



6 Collaborative

Alt Man - Call

- Governance · Predictable and stable external relationships Meaningful connections
- with indigenous communities
- · Transparent and actionoriented decision making based on sound rationale
- Ongoing community consultation and engagement
- Respectful and informed debate
- Volunteer partnerships
- · Clear and supportive governance processes
- · Nimble and bold, with strong leadership

Environmental

Stewardship

· Clean air, land, and water

Carbon neutral municipal

· Adaptive to climate and

Conservation of natural

Safekeeping ecosystems

· Enhanced greening and

Sustainable development

Partnerships with industry and others to drive

emission reductions

areas and agricultural lands

weather patterns

Circular economy

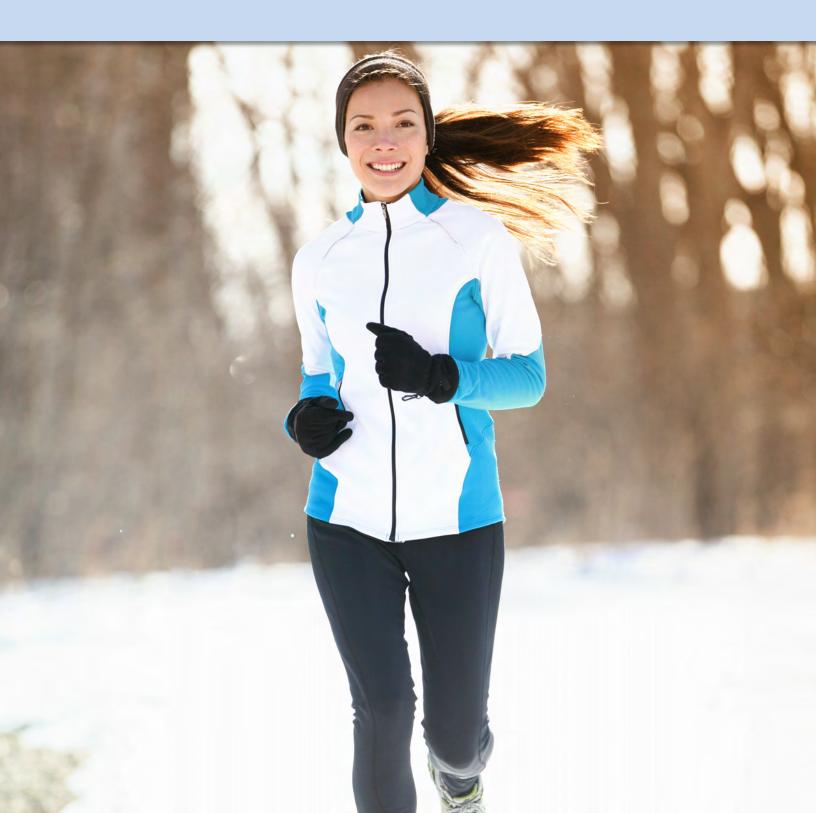
opportunities

biodiversity

practices

- · Future focused thinking to proactively respond to emerging opportunities and challenges
- · Asset management and performance measurement
- · Alternative revenue generation and service delivery models
- · Long term financial planning and sustainability · Careful debt and reserve stewardship
- Integrated strategic and business planning
- Strategic priorities for the next four years (and beyond)
- Reinforce Sturgeon County as an internationally competitive and supportive municipality to locate and conduct business · Cultivate safe, beautiful, and complete communities
- Achieve carbon neutral municipal operations by considering benchmarks that reflect environmental, social, and governance (ESG) measures
- Prioritize municipal workforce and process and policy modernization that supports a productive and future-ready organization
- Realize opportunities for alternative revenue generation and shared efficiencies through innovative new models and partnerships

Appendix D: Capital Plan Spreadsheet



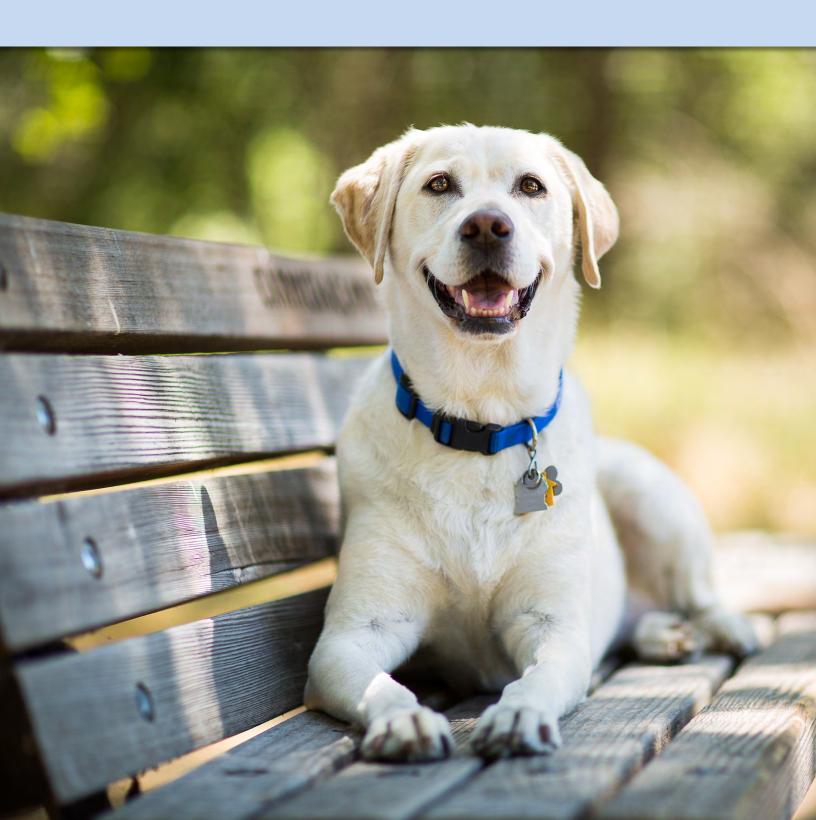
Α.	County Wide Parks	Report/Source	Description	Short Term (1- 5) Med Term (5- Long Term 10)	(10+) Complete?
1	Sturgeon Valley Park	Open Space Master Plan	Update the Sturgeon Valley Park Master Plan based on community consultation of the long-term master plan and develop a phased approach to the implementation of the park to create a county wide park		N
2			Implement phase 1 of the revised Sturgeon Valley Master Plan		N
3	Cardiff Park	Open Space Master Plan	As recommeded in the MDP, review and develop a long term management for Cardiff Park that incorporates cultural and recreational assets. Work with the Rotary Club to determinie the feasbility of a group camping site in a portion of the countywide park		Y
Β.	Neighbourhood Par	ks			
4	Riviere Qui Barre	Open Space Master Plan	Evaluate the need for additional recreation opportunities in Riviere Qui Barre and develop a plan for a new neighbourhood park utilizing the County land in the community. Given the parcel's proximity to Camilla School facilities, any new neighbourhood park utilizing the County's parcel should be primarily passive use, but may include active recreation components		Ζ
5	Alcomdale Park Site	Open Space Master Plan	Work with the community association to develop a playground at the park and discuss any other facilities that could be added to better service residents in the northwest of the county		Ν
С.	Various Sites				
6		Open Space Master Plan	Assess remnant open space parcels and consider disposition if warranted		N
7		Open Space Master Plan	Allocate funding to provide support (financial, maintenance, and operation) of community organizations providing public recreation opportunties		N
8		Open Space Master Plan	Evaluate the condition of existing open space infrastructure and develop a plan for life cycle improvements to existing infrastructure		Ν

		Report/Source	Description	5) Med Term (5-	10) Long Term (10+) Complete?
D		ReportSource	Description	ົດ່	JEO
<u>D</u> . 9	Greenways (Trails) Sturgeon Valley Park to St Albert	Open Space Master Plan	bevlates tar Silvron style bevar and the star of the		N
10	Riverstone Point to	Open Space Master	(নিম্মের্জসের্নের্মিয়ীর 1 of the revised Sturgeon Valley MassaryPaatrail from Riverstone Pointe to Sturgeon Road		N
	Sturgeon Road East	ପି≱ିen Space Master Plan	Asstedong the order of the way of the way of the second of		
11	Sturgeon Road to Townshi Road 542	Open Space Master Plan	Deliverabanet an erroration above the advect with the Pretary Stabulan the provide the second stable of the country wide parts		Ν
12	97 Street Overpass	Open Space Master Plan	Develop a trail to connect with the 97th Street overpass along Township Road 542 (approx. 1.5km).		Ν
13	Lamoureux Parking Lot to Sturgeon River	Open Space Master Plan	Evanlage the head the Lanney of Creation of Strunities Styring Birgs and Sastisfrayin River new posed River Vallay and Sartisfraying the County land in the		Ν
14	North Saskatchewan River	Open Space Master Plan	Boldgneualdrys Sei Memtth Saparate he pranxi Ritre to Carmilla Section of the sector of the		Ν
15	Morinville to Cardiff Park	Open Space Master Plan	ଅନ୍ତର୍ମାର୍ଯ୍ୟାର ନ୍ମରେନା ଜାନ୍ୟାଧିହାନ୍ତର ଅଅଥାନ ବ୍ୟକ୍ଷାର ମହିଦ୍ୟ କ୍ଷା ଅନ୍ତର୍ଯ୍ୟ କ୍ଷା ଅନ୍ତର୍ଯ୍ୟର ମହିଦ୍ୟ ଅନ୍ତର୍ଯ୍ୟର ଅ ଅନ୍ତର୍ଯ୍ୟାର୍ଯ୍ୟର ନର୍ମାର ନେମ୍ବର୍ଯ୍ୟରେ ଅନ୍ତର୍ଯ୍ୟର ଅନ୍ତର୍ଯ୍ୟର ଅନ୍ତର୍ଯ୍ୟର ଅନ୍ତର୍ଯ୍ୟର ଅନ୍ତର୍ଯ୍ୟର ଅନ୍ତର୍ଯ୍ୟର ଅନ୍ତର୍ଯ୍		Ν
16	Cardiff Park to Cardiff Echoes	Open Space Master Plan	Nevershith the county		N
17	Redwater Sandy Hills to North SK River	Open Space Master ®ar n Space Master Plan	DesselseprentmailnftcorpeRestpeacerpearcelsHillsctocoNostateSK RispositicReid watearRieder (approx 4.3km)		N
18	Saskatchewan River Bank - Sturgeon River	Open Space Master Plan	ଅଖିତetop futralingloogotoeidæokopoóth@interdhal, ସିଅନ୍ତାୟ ଅଧିକାରଙ୍କ ଅନିର୍ଭାବନ ମହେଳାସାରି tu)rgବେତମାନିର୍ଦ୍ଦଳୀ of Redwater ଭିଜୁଙ୍କେ (ଅଧି ଥିଲେ) providing public recreation opportunties		N
19	to Redwater River River from Big Lake to Calahoo	Open Space Master Øpen Space Master Plan	Evaluate the condition of existing open space ହିମ୍ପାୟପାପ୍ତ ଅନ୍ତାର୍ଥ ନାର୍ଥ ଅନ୍ତର୍ଥନାରୁ ନାମ୍ପାରୁ ଜନ୍ମ କାର୍ଯ୍ୟ କୁହିତ କୁହିତ ଅନ୍ତର୍ଥ କୁହିତ ଅନ୍ତର୍ଥ କୁହିତ ଅନ୍ତର୍ଥ କ ମାନ୍ତ୍ର ମହାର ସେହିତ କୁହିତ କ		N
20	Cardiff Park to Carbondale	Open Space Master Plan	Develop a trail from Cardiff Park to Carbondale trail access along the rail corridor or via secondary roads (approx 4.9 km)		N
21	Bon Accord to Township Road 582	Open Space Master Plan	Develop a trail from Bon Accord to Township Road 582 connection past Lily Lake (approx. 17.9km)		Ν
22	Bon Accord to Sturgeon River and Gibbons	Open Space Master Plan	Develop a trail from Bon Accord to Sturgeon River and Gibbons trail connection (approx. 4.1km)		N

				Short lerm (1- 5) Med Term (5-	Term olete?
		Report/Source	Description	2) 2	Long (10+) Comp
E.	Natural Areas	Open Space Master	Update the Sturgeon Valley Park Master Plan based on		
23	Sandy Lake Wilderness Area	မှာခြာ Space Master Plan	EGARANARDEXASIA AND CONTRESSARD AND AND AND AND AND AND AND AND AND AN		N
24		Open Space Master Plan	Rnepteanne atløtaasgelnnefnth Plaav,isvetoiGstusugeeunsektaakte yhe Maassenepelaant to address items such as fencing, signage,		Ν
		Open Space Master Plan	tጄ ^{il} se ሪሆንም የሚያስት የሆኑ የሆኑ የሆኑ የሚያስት የሚስት የሚስት የሚስት የሚስት የሚስት የሚስት የሚያስት የሚስት የሚስት የሚስት የሚስት የሚስት የሚስት የሚስት የሚ		
25		Open Space Master Plan	kinpletoenttermyrtientin planatoriligeoty pakepWindepingssite Aneaportion of the countywide park		Ν
26	Redwater Sandhills Recreation Area	Open Space Master മൂഷ്ണ Space Master Plan	Partner with the Province to create a day use area an கிழையுக்கிலா கல்திறைகு பிருவுகு குளைகள் குண்ணுக்கு கூலுகளை விதல்களை விதல்களை குளைகள் a new neighbourhood park utilizing the County land in the		N
27		Open Space Master Plan	Registrouting and a thread of the county and in the Canwith other set of the county and in the canwith other set of the county and in the canwith other set of the county and and the county and t		N
28		Open Space Master Plan	Alen winage Forility Evaluation on twite code a current praining the terrelation of		Ν
29		Open Space Master Plan Open Space Master Plan	northwest of the county Existing Facility Database – undertake a comprehensive inventory of all county and non-County Assesspanna facilities sinabled ingreets ant disclose id ay use tais juicistics invising ration furniture, trails, etc.		N
30		Open Space Master Plan	Ջՠ eca i S na ng ing i teo pRoview s up bord entrative i secarly reviews নগর্ধা নগতন রাক্ষর statico poenti Spares Blann (I say 6.2.1)		Ν
31		Open Space Master Øøe n Space Master Plan	Organizationspace/iding Cublic Infrestional and Space in the Infrestion of County space in the infrestion of County space in the infrestion of County space in the infrest of County in the infection of the information of th		N
32		Open Space Master Plan	Open Space Planning Framework – develop a set of guidelines used in determining best management practices for the planning of open spaces		N
33		Open Space Master Plan	Parks and Open Spaces Bylaw – The County is currently developing and Public Lands Bylaw. Suggested policies that would relate to parks and open space which could be included in the Parks Bylaw to address parks and open space include but are not necessarily limited to: - roles and responsibilities of authorities, hours, signage requirements, donations and recognition memorials, use of vehicles, acceptable patron conduct, restriction on animals, restrictions on fires, restrictions on camping, use of water bodies, litter,		Ν

				т (1-	rm (5- 10)		2
		Report/Source	Description	Short Term (1- 5)	⁽ Med Term (5 10)	Long Term (10+)	Complete?
E.	Cardiff Park	- -		•, 4,			Y
34		Open Space Master	Large overhead structure, including power		Х	Х	N
35		Plan	Trail signage - wayfinding program	х	Х		N
36			Pave Red Ribbon Trail		х	х	Ν
37			New gravel trail segment	Х			Y
38			Interpretive signange program		Х		Ν
39			Winter Skating Ribbon	Х			Y
40		Open Space Master	Replace playground with nature play		Х		Ν
41		Plan	New nature-based play area			Х	Ν
42			Enhance volleyball court	Х			Ν
43			Re-orient diamond #1, dugouts for #1 & #2		Х		Ν
44			Add benches and posts to existing soccer fields	X			Y
45			Replace fishing dock Accessible kayak launch structure	Х	v		Y
46 47		Open Space Master	Enhanced naturalization plantings	х	X X	х	Y Y
48		Plan	9-hole disc golf course	x	^	^	N
49			Swimming area - markers, signage	X			N
50			Day use picnic sites	Х	х	х	N
51			New accessible washroom, year-round		х		Ν
52			Off-leash dog park (un-fenced)	Х			Ν
53			Enlarged gravel parking lots, roadside pull-offs	Х	Х	Х	Ν
54		Open Space Master	Better organized parking lot			Х	Ν
55		Plan	Decommission un-used parking lot	Х			Ν
56			Remove stage structure	Х			Y
57			Student and group bus drop-off			Х	Ν
58		On an One of Master	Boat and equipment drop-off with stabilization	Х			Ν
59		Open Space Master Plan	Remove un-used building and trailer	v	Х		N
60 61			Regulatory approvals for boat launch Regulatory approvals for dock	X X			N N
		Open Space Master		^			IN
G.	Sturgeon Valley		organizations providing public recreation opportunities				
62	Landscape	Open Space Master	Grassland naturalization areas - tilling, soil amendments, Evaluate the condition of existing open space				
	Development	Plan	seeding infrastructure and develop a plan for life cycle				
63			Manocural areas a casing implay using in topsoil, see				
64			Woodland protection - underbrush clearing				
65			Floodplain wetland/grassland naturalization - tilling, soil				
			amendments, seeing				
66 67			Reforestation - trees, whips, seedlings				
			Stream Bank protection / preservation area - amendments				
68 60			amendments				
69 71			Wildflower meadow - tilling, amendments and seed				
71 72	Access and parking		Roadway Access - granular				
72	Pedestrian Circulation		Parking Lot - 25 stall granular				
73			3.0 m paved trails				
74			2.0 m - 2.4 m granular trails				
75			1.0 m - 1.5 m granular trails Boardwalk / dock				
70	Structures and Site Furni	ture	Picnic Shelter				
78	Structures and Site Fulfill		Chain Link Fencing (1.2m ht)				
78			Picnic Tables, benches, waste receptacles				
80	Wayfinding and		Directional signage / maps				
30	Intrepretive Signage		Sheetonal signage / maps				
81			Interpretive Signs				

Appendix E: Literature Cited



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