



Summer Village of Sundance Beach

WHAT WE HEARD

Report to Council | January 2020



MUNICIPAL PLANNING SERVICES

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OVERVIEW

This What We Heard report provides a summary of the feedback received regarding the draft Municipal Development Plan for the Summer Village of Sundance Beach. Details of the public engagement and the feedback received are outlined in Appendix A, B, and C.

In August 2019, Summer Village Administration and Municipal Planning Services (MPS) held an open house for Sundance Beach to provide residents with information about the project and gather background information from residents about their community. There were twenty (20) residents from Sundance Beach in attendance. Attendees provided excellent information about community features and development constraints in the Summer Village.

Throughout 2019, MPS worked with the Summer Village Council and Administration to prepare a draft MDP based on the background information and information provided by residents.

In May 2019, a newsletter and survey were posted on the Summer Village website. The newsletter provided residents with a project update and outlined opportunities to provide feedback by completing the survey and reviewing the draft MDP.

In August 2019, the draft MDP was posted on the Summer Village website for residents to review and it was also referred to various agencies for comments.

WHAT WE HEARD

The section below summarizes What We Heard from residents and agencies regarding the draft MDP in August and September 2019. Overall, the comments provided support the goals, objectives and policies in the MDP. No changes to the goals, objectives and policies in the draft MDP are recommended as a result of the feedback that was received. MPS has received feedback on the Summer Village's vision statement and do recommend that this feedback can be incorporated into the MDP.

SUMMARY OF OPEN HOUSE FEEDBACK

MPS received **three (3) Open House and Vision Statement survey** responses. The following is a summary of survey responses pertaining to the vision statement and open house comments. All survey questions and corresponding respondent feedback is provided in **Appendix A**.

1. CONSULTATION FEEDBACK

WHAT WE HEARD	MPS RESPONSE / RECOMMENDATION
<ul style="list-style-type: none"> • 100% of respondents believed that the information about the project was clear. • No respondents reported any development considerations that they believed were not addressed within the MDP. • 100% of respondents felt that they had an opportunity to share their thoughts and ideas. 	<p>Overall feedback provided on the open house was positive.</p>

2. VISION STATEMENT FEEDBACK

The following are respondent comments pertaining to what they would like the vision statement to include. The current vision statement in the draft MDP reads:

“The Summer Village is a safe, warm, and welcoming lakeside community on the shores of Pigeon Lake.”

WHAT WE HEARD	MPS RESPONSE / RECOMMENDATION
<ul style="list-style-type: none"> The vision statement should be more future-based: <i>The SV is a safe and welcoming community that <u>respects</u>, <u>sustains</u>, and <u>enjoys</u> the shores.</i> Not a fan of the word “warm” as it is summer/temperature related but there are plenty more reasons to be at Sundance Beach. Include wording that demonstrates residents are committed to ensuring the health of the lake. 	<p>Excellent feedback provided by community member on what the vision statement should reflect.</p> <p>Recommendation: Revisit the vision statement to include respondent feedback.</p>

3. ADDITIONAL IDEAS OR COMMENTS

WHAT WE HEARD	MPS RESPONSE / RECOMMENDATION
<ul style="list-style-type: none"> Consultation does not need to be face-to-face in the fall. Could host a webinar and gather information electronically. 	<p>The consultation program was designed to include opportunities for online and in-person engagement. The scope of work did not include a webinar but MPS can explore that option should Council wish to do so.</p>
<ul style="list-style-type: none"> On-going concerns about the Watershed. On-going concerns about the sewer and water regulations. On-going concerns about development within the Easement area. 	<p>Section 6 of the MDP, the Pigeon Lake Watershed, supports future land use activities in the Summer Village which are carefully and thoughtfully designed to mitigate negative impacts on Pigeon Lake. Policies within this section limit the location of future development and encourage landowners to minimize sources of contamination on their lots.</p> <p>Further, Policy 5.2.4 requires that sanitary systems within the Summer Village conform to the applicable requirements of the Summer Village Sundance Beach Wastewater Bylaw and applicable provincial regulations.</p> <p>Recommendation: These policies should help to address the concerns raised. No additional changes are recommended at this time.</p>

SUMMARY OF RESIDENT SURVEY FEEDBACK

MPS received **fourteen (14) survey responses**. The following is a summary of survey responses pertaining to demographics and lake use, development, the environment, and additional concerns and comments. All survey questions and corresponding respondent feedback is provided in **Appendix B**.

1. DEMOGRAPHICS & LAKE USE

WHAT WE HEARD	MPS RESPONSE / RECOMMENDATION
<ul style="list-style-type: none"> 69% of respondents are long-time residents (10 years or more) 46% of respondents reside seasonally 49% of respondents would consider moving to the lake permanently 64% of respondents are age 60+ 71% of respondents own a lakeside lot 93% respondents believe the lake is adequately used on weekends 60% of respondents participate in winter activities at the lake 	<p>This information helped MPS understand who lives in the community and how residents utilize their properties and envision utilizing and enjoying their properties into the future.</p>

2. DEVELOPMENT

WHAT WE HEARD	MPS RESPONSE / RECOMMENDATION
<ul style="list-style-type: none"> 80% of respondents believe there should be setbacks for development There was mixed feedback on the setback distance that should be allowed. 60% of respondents think that the amount of non-permeable surfaces allowed on a residential lot should be limited There was mixed feedback on the percentage of non-permeable surfaces that should be allowed on a residential lot 	<p>Policy 5.2.1 Policy requires a development setback as per the requirements in the Land Use Bylaw (currently 8m). An increased setback was not recommended due to the significant variation in lot length within the Summer Village.</p> <p>Policy 5.5.5 encourages a minimum percentage of the area of the lot not covered by buildings as permeable or semi-permeable surfaces. The policy limits the amount of non-permeable surfaces by requiring a minimum amount of permeable or semi-permeable surfaces. By determining the minimum amount based on the area of the lot not covered by buildings, complying with the policy is feasible for lots with smaller areas.</p> <p>Recommendation: No changes to the MDP required. However, we recommend that the Summer Village consider amending the LUB to specifically apply a maximum percentage for non-permeable surfaces per lot.</p>

3. ENVIRONMENT

WHAT WE HEARD	MPS RESPONSE / RECOMMENDATION
<ul style="list-style-type: none"> • 90% of respondents do not experience flooding on their lot • Surface water management practices currently in place: <ul style="list-style-type: none"> ○ Proper site grading ○ Infrastructure (ditches, sump pumps, rain barrels, etc.) to help manage runoff • 70% of respondents do not experience ice damage on their property. • Hazards identified: <ul style="list-style-type: none"> ○ High water table ○ Ice blockage in culverts 	<p>This information was beneficial for MPS understanding the types of issues residents experience related to flooding, ice damage, and drainage.</p> <p>The importance of permeable surfaces for improving drainage and enabling the water to absorb into the ground was a common theme in the feedback. The provision of permeable/semi-permeable surfaces in Policy 5.5.5 (described above) is an important component of the MDP to help limit drainage of water directly into Pigeon Lake.</p> <p>Additionally, the policies in Section 6, The Pigeon Lake Watershed, addresses environmental constraints (e.g., steep slopes, erosion, shallow ground water, or high ice damage risk, etc.) and require development proponents to provide information with development permit applications to demonstrate that proposed developments are suitable for the site.</p> <p>These policies are important to ensure development occurs in suitable areas and limits impacts on the lake and its ecosystems.</p> <p>Recommendation: MDP policies adequately address these issues.</p>

4. ADDITIONAL CONCERNS & COMMENTS

Select comments and concerns are summarized in the table below. All respondent comments and concerns are included in detail under Question 20 in **Appendix B**.

WHAT WE HEARD
<ul style="list-style-type: none"> • General agreement on the ban on fertilizer. However, do note that area farmland runoff (containing effluent, herbicide, fertilizers, etc) drains into the lake. • The shoreline should not be developed.

SUMMARY OF AGENCY FEEDBACK

The table below outlines the list of agencies contacted regarding the draft MDP. Copies of the complete agency responses are provided for in **Appendix C**.

AGENCY	RESPONSE
Alberta Culture, Multiculturalism, and the Status of Women	No response provided
Alberta Energy Regulator	No response provided
Alberta Environment & Parks	No response provided
Alberta Health Services	Comments received – see Appendix C
Alberta Transportation	No response provided
Atco Gas	No response provided
Atco Pipelines	Comments received – see Appendix C
Black Gold Regional Division	No response provided
Buck Mountain Gas Co-op Ltd	No response provided
Canada Post	No response provided
Canadian Pacific Railway	No response provided
County of Wetaskiwin	Acknowledged receipt, no specific issues identified
Fortis Alberta	No response provided
Leduc County	Acknowledged receipt
Pigeon Lake Watershed Association	No response provided
St. Thomas Aquinas Roman Catholic Separate Regional Division No. 38	No response provided
Telus Communications Edmonton South	No response provided

APPENDIX A – OPEN HOUSE DETAILS & FEEDBACK

NEWSLETTER

A newsletter was mailed to residents in May 2019 to provide information about the project and outline the details of the Open House. The newsletter was also posted on the Summer Village website for residents to view.





OPEN HOUSE DETAILS

A combined Public Open House was held in August 2019, for the Summer Villages of Sundance Beach, Silver Beach, and Itaska Beach. Poster boards summarizing the community background information and maps were posted around the room and MPS gave a presentation about the MDP process and the background information collected. **Sundance Beach had approximately 20 attendees**, while Silver Beach had 10 attendees and Itaska Beach had 2.

DATE	Saturday, August 17, 2019
TIME	10:00 – 1:00PM
VENUE	Sundance Beach Community Centre, 47 Lakeshore Dr, Mulhurst, AB
ATTENDANCE	Approximately 32 (includes members of Council and Administration)
PRESENTATION	Jane Dauphinee, MPS Principal & Senior Planner

Following the presentation, Administration and MPS staff were available to answer questions about the draft documents and poster board content. Printed copies of the posters and questionnaires were provided for residents.

Attendees provided the project team with additional information about community features and constraints. The information provided by attendees was used to generate Development Considerations map and informed the content of the MDP.

OPEN HOUSE FEEDBACK

A survey for the Open House was provided to attendees at the Open House to collect feedback about the Open House, the vision statement, and the MDP. Three (3) surveys were completed and submitted. The questions and responses are outlined below. The proposed Vision Statement within the MDP at the time of the Open House was:

“The Summer Village is a safe, warm, and welcoming lakeside community on the shores of Pigeon Lake.”

MPS Note:

Some respondents did not answer all the questions.

Some of the responses may have been lightly edited by MPS to address grammar and spelling mistakes.

1. Was the information about the project clear?

- Yes
- Yes, very well done
- Yes, though certain items of concern have not been dealt with clearly, i.e. easement areas

2. Are there any development considerations that were not addressed that should be included in the MDP?

- No
- On the surface, no concerns but need to read the MDP fully first

3. Throughout this process, do you feel that you had an opportunity to share your thoughts and ideas? If not, what could we have done that would have made your experience better?

- Yes.
- Yes.
- Yes, looking forward to responses to my concerns.

4. Do you have any other ideas or comments?

- No.
- Consultation does not need to be face-to-face in the fall. Could host a webinar and gather information electronically.
- On going concerns, re: Watershed, Sewer and Water regulations.

5. Please provide ideas and examples of what you would like the vision statement to be.

- Not a fan of the word “warm.” It’s very summer/temperature related, but there are great reasons to be here at any time. Also, “vision” is forward looking. Is this forward or is this what we are right now? I would like to see the vision more future-based, i.e. *The SV is a safe and welcoming community that respects, sustains, and enjoys the shores.* This is setting the stage for our long-term view of our community.
- The Summer Village is a safe, warm and welcoming community on the shores of Pigeon Lake where people are committed to ensuring the health of the lake and where people are respectful of their neighbours.

APPENDIX B – SURVEY RESPONSES

MDP SURVEY RESPONSES

A survey was posted along with the newsletter on the Summer Village website for residents to complete. The survey was available on the website for residents to complete prior to the Open House and remained on the website following the Open House. A summary of the survey responses is outlined below.

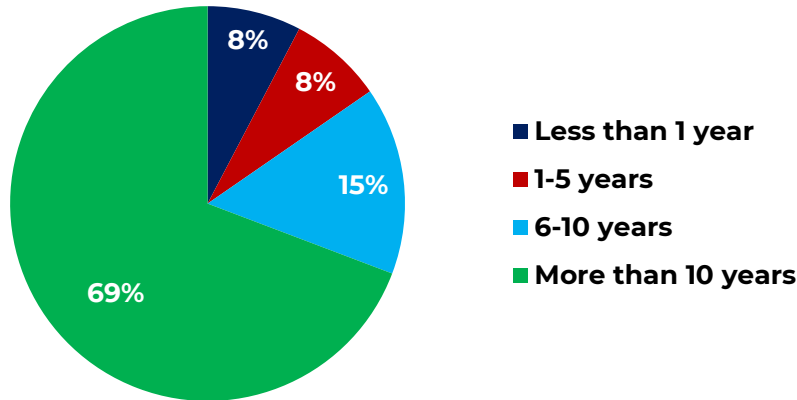
Questionnaires received: 14 (14 were completed through the online survey)

MPS Note:

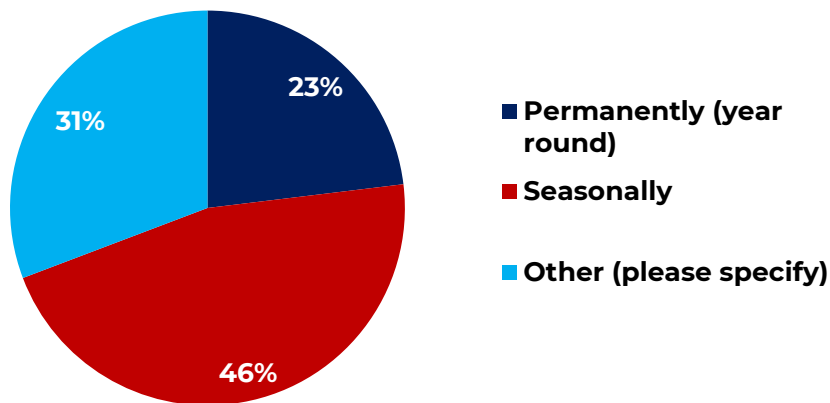
Some respondents did not answer all the questions.

Some of the responses may have been lightly edited by MPS to address grammar and spelling mistakes.

1. How long have you owned your property at the Summer Village?



2. How long do you reside at the Summer Village per year?



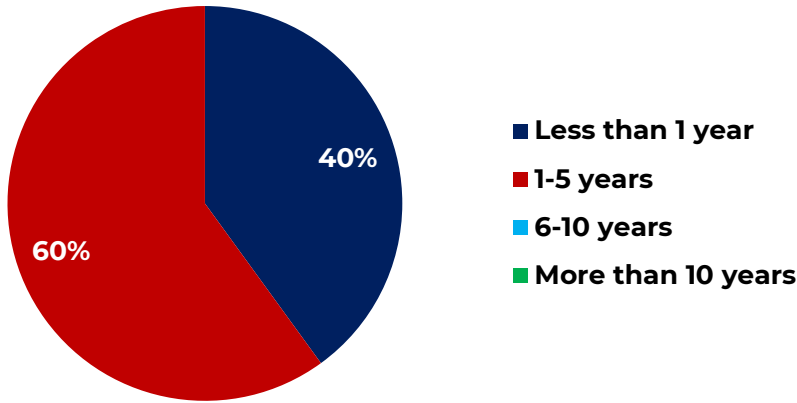
- 2-3 per week
- Approximately a third (1/3) of the year
- I am retired and getting ready to move to the lake

- We come out year round as we have time.

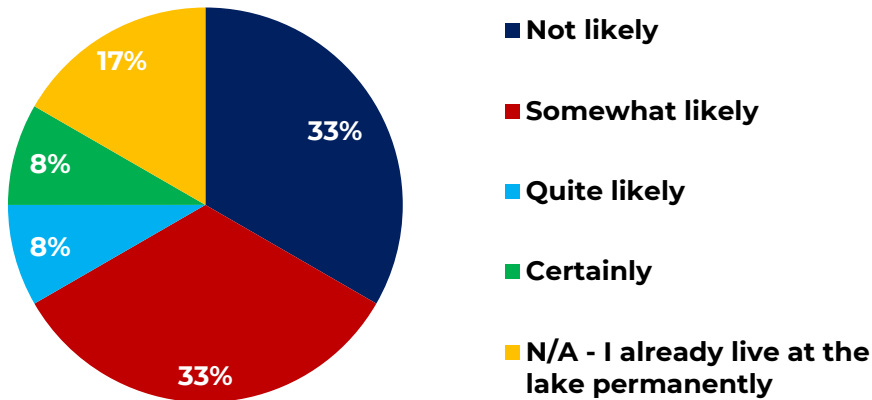
3. If you reside SEASONALLY, how many days do you spend at the Summer Village each season?

SEASONS	SPRING	SUMMER	FALL	WINTER
AVERAGE DAYS SPENT	22	37	21	20

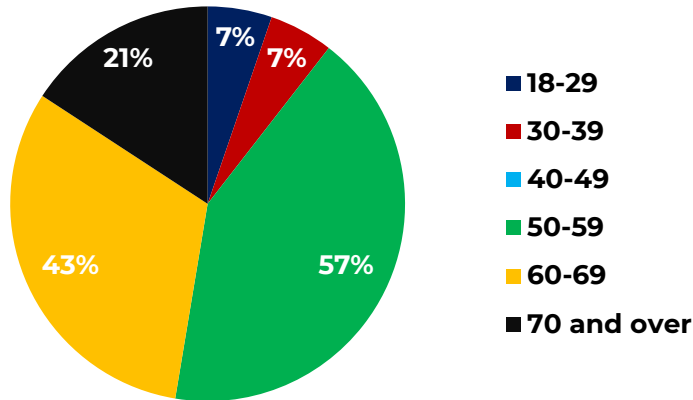
4. If you reside at the Summer Village PERMANENTLY, for how many years have you lived year round at the lake?



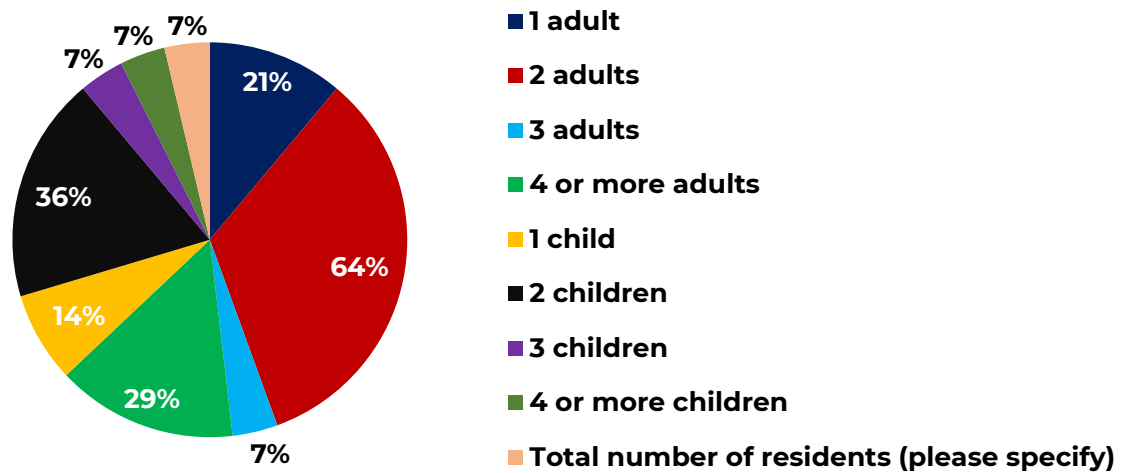
5. If you're not a permanent resident, are you considering moving to the Summer Village permanently in the future (for example, after retirement)?



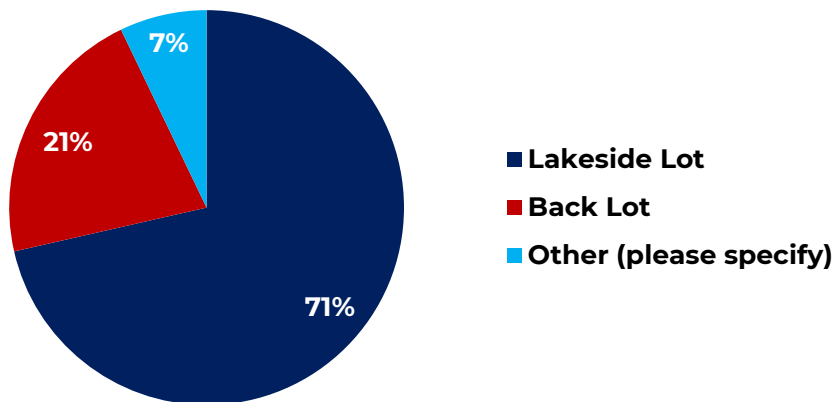
6. What are the approximate ages of home owners? Check all that apply.



7. When you are residing at your property in the Summer Village, how many people normally reside at your household? Check the boxes that apply.

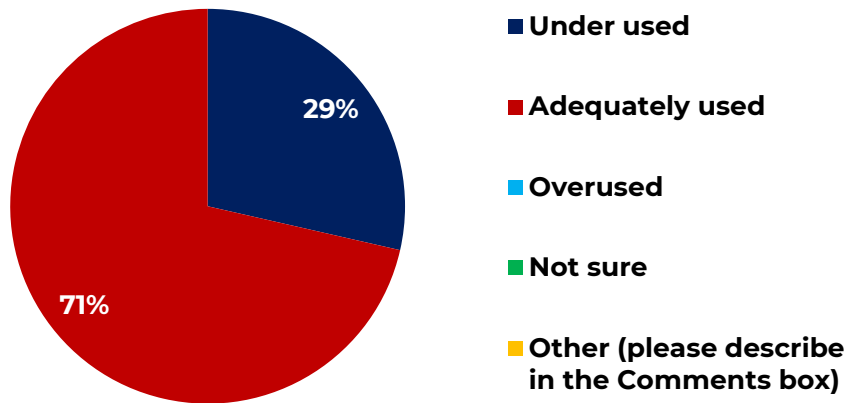


8. What type of property do you own at the Summer Village?



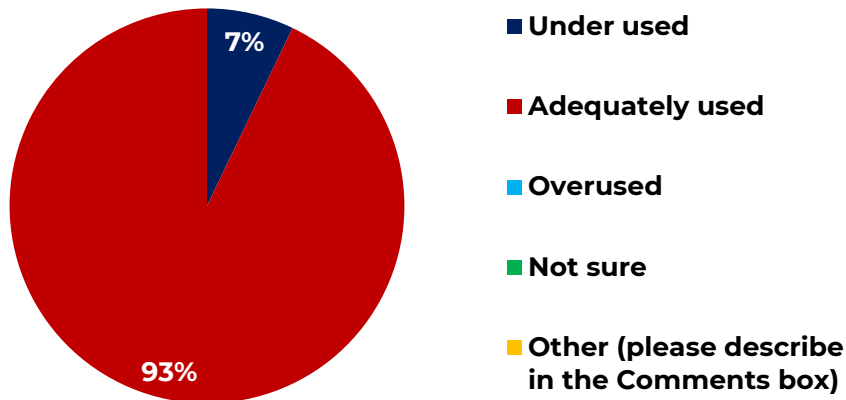
- One house back from lake front.

9. How do you perceive the use of the lake (including beach areas and surface activities such as swimming, boating, etc) on an average WEEKDAY?



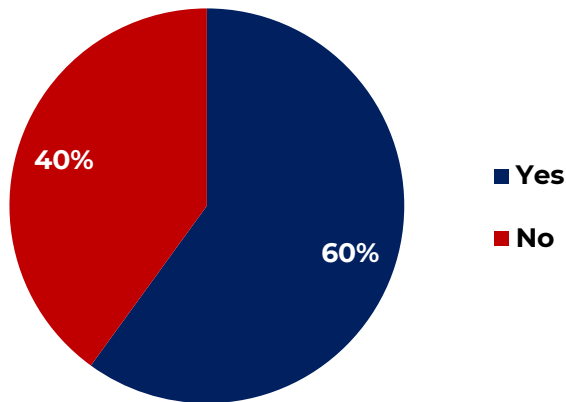
- Depends on condition of lake water. Last year our part of the lake was lots better for swimming.

10. How do you perceive the use of the lake (including beach areas and surface activities such as swimming, boating, etc) on an average WEEKEND?



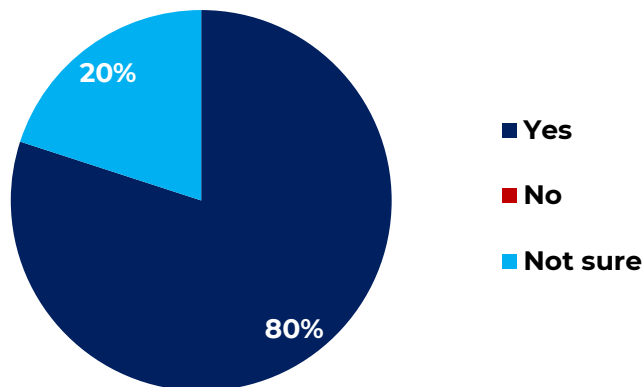
- Weather dependent.

11. Do you participate in recreational activities at the Summer Village during the WINTER?



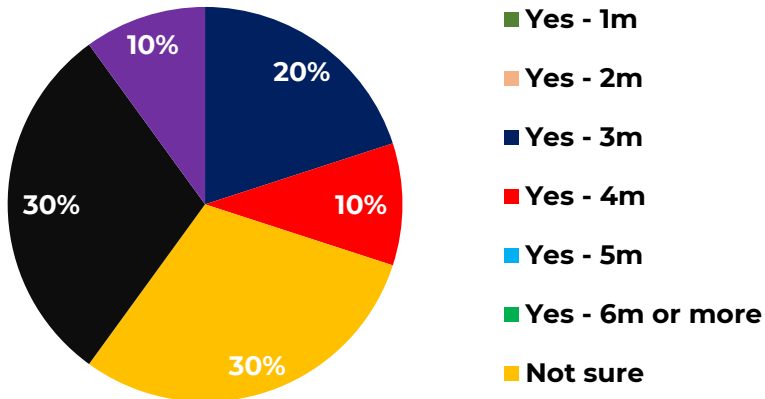
- Walk.
- Snowmobile, x-country skiing, skating.
- Cross country skiing, skating, walking, snowmobiling.
- Snowmobiling, fishing, walking, building snowmen, family activities. Use your imagination.
- Walking and shoveling snow.
- Ice fishing, snowmobiling, playing in the snow.

12. Naturalized riparian areas and shorelines are important for minimizing impacts on lake water quality and providing fish and wildlife habitat. Do you think there should be a setback from the front property line (lake side) for development (dwellings, boathouses, guest cottages, etc) in the Summer Village?

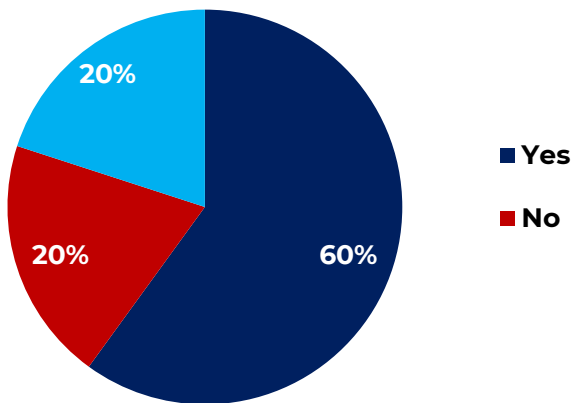


- Why would you even ask this question. Just look around.
- I think retaining walls and firepits along the shore are an important part of lake life.
- I think it depends on how much shoreline one has. We don't have any beach area so just have a couple of yards of land lakeside up about 4-5 feet from surface of the lake.

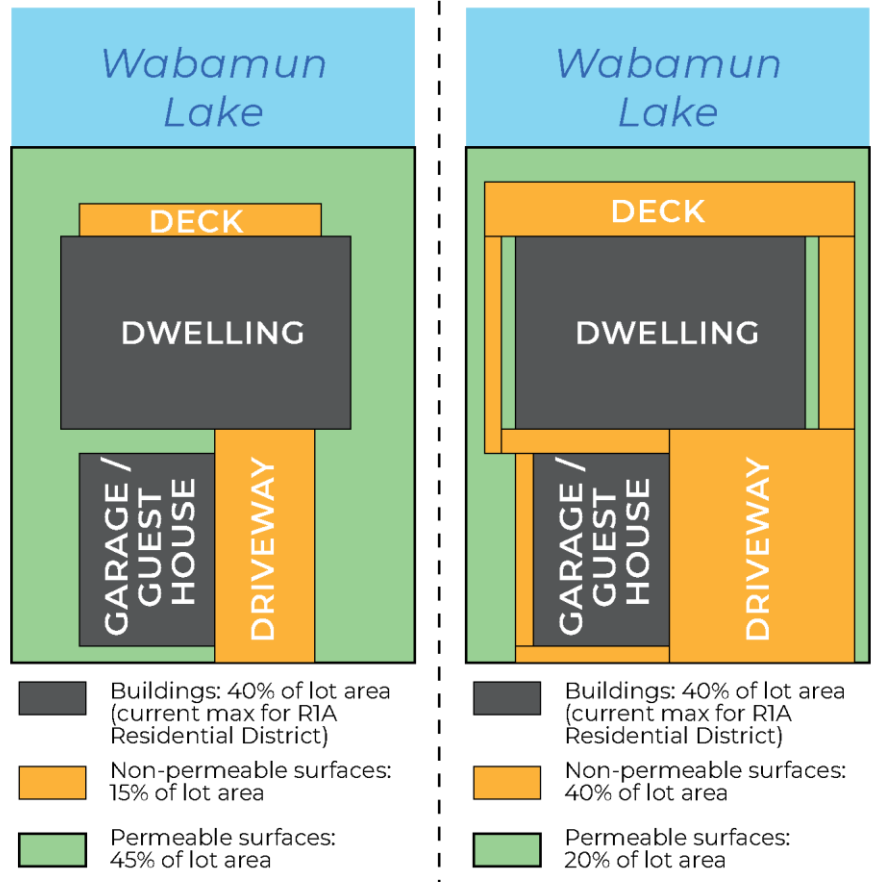
13. Do you think there should be a setback from the shoreline for development (e.g., boathouses) in the lands south of Lakeshore Drive in the Summer Village? If yes, what should the setback be?



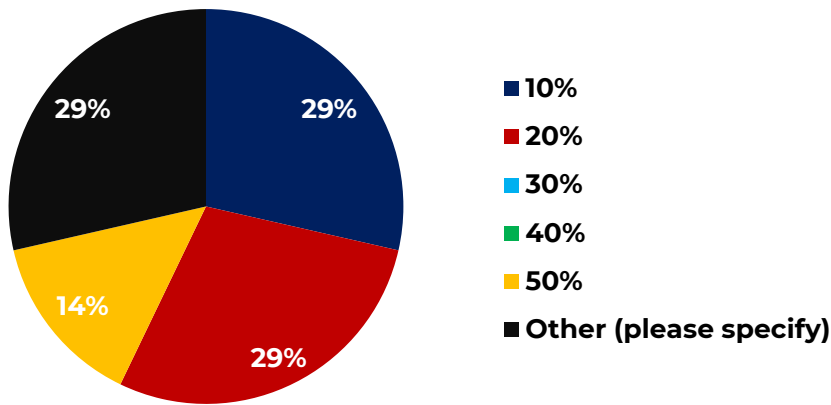
14. Permeable surfaces (natural vegetation, grass, shrubs, etc) help prevent runoff from directly entering lake. Do you think the amount of non-permeable surfaces (concrete, asphalt, water shedding paving materials, etc) on residential lots should be limited in the Summer Village? This would apply to new development or redevelopment of residential lots.



15. If you think the use of non-permeable surfaces should be limited, what is the maximum area of a lot that should be allowed to have non-permeable surfaces? This does not include the area covered by buildings. The illustrations below demonstrate two examples: 15% and 40% maximum area for non-permeable surfaces on one lot.

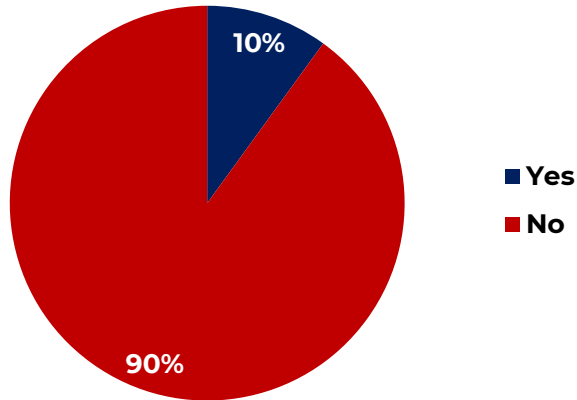


Illustrations demonstrate site coverage only and are not representative of setback and siting requirements.



- There is no question or what these percentages mean.
- Zero (0%) percent.

16. Do you experience any flooding of your property at the Summer Village?

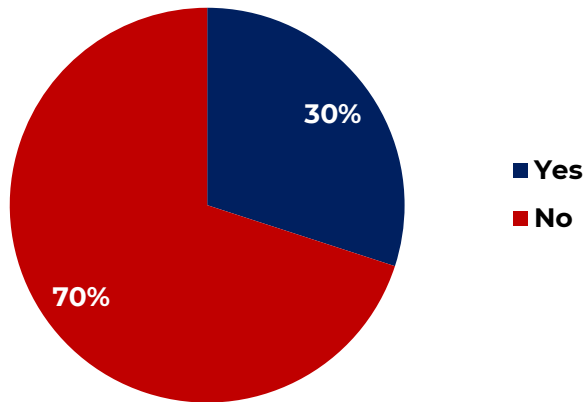


- Every few years.

17. How is surface water managed on your property at the Summer Village? Please Explain.

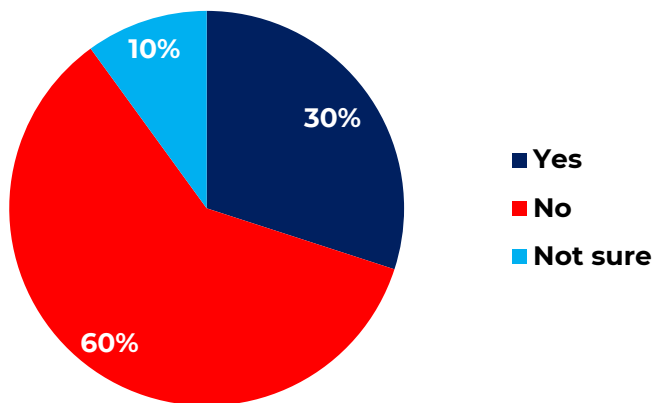
- Snow removal.
- Culvert.
- Our lot slopes front to back. Grounds are porous.
- I have non permeable surfaces so all the water either sinks into the ground and excess runs toward the lake.
- Have not seen a Summer Village staff or contractor managing surface water but I expect it would be limited to existing culvert system.
- Drains to Summer Village owned culvert which flows to lake.
- We only have the rain to deal with. 2 down spouts from the roof. There is a natural swale to direct water into the nearby creek.
- I incorporated proper drainage elevation to move water away and towards existing culverts and natural flow. The Summer Village has shown no control over these areas in the 30 years I have been here resulting in poor drainage management overall.
- I have a lot of grass and rain barrels to control water flow.
- We don't get surface water. It all goes to the lake.

18. Do you experience any ice damage on your property at the Summer Village?



- Deterioration of shoreline, rocks falling into lake annually.
- Ice heaves ground by lake about once every 10 years.
- 1 in 7 years.

19. Do you know of any hazard lands such as high water table, springs, inlets/outlets, steep slopes, wetlands, flooding, ice damage, or important ecological features at the Summer Village?



- Some properties have a high water table.
- There are lowland/water collection areas nearby on adjacent Mission Beach that is of concern.
- Large culvert opening to the lake between lots 12 and 13 which is titled to six back lots.
- There are some areas where water flows from back lots are restricted. There is also ice blockage in the culvert under Lakeshore Drive around lots 60 and 61 in the spring.

20. Do you have additional feedback? Please let us know any other comments or questions you have.

- I have heard that there may be a plan to develop the shoreline in front of the hall and I don't think that it should be developed. It should be left as is.
- I do not disagree with the ban on fertilizer, but do note that area farmland runoff (containing effluent, herbicide, fertilizers, etc) drains into the lake.
- This survey should have been done by our elected representatives with a one on one discussion with the owners of the property. This way you would have a near 100% participation rate and a real feeling for what the owners and users want.

APPENDIX C – AGENCY RESPONSES

ALBERTA HEALTH SERVICES

RE: Municipal Development Plan Drafts for Summer Villages of Argentia Beach, Crystal Springs, Grandview, Ma-Me-O Beach, Norris Beach, Poplar Bay, Silver Beach

Thank you for the opportunity to comment on Municipal Development Plan Drafts for the Summer Villages of Argentia Beach, Crystal Springs, Grandview, Ma Me O Beach, Norris Beach, Poplar Bay and Silver Beach. The review conducted by Alberta Health Services - Environmental Public Health (AHS – EPH) was completed using a public health lens and includes considerations for the design of healthy communities.

In addition to conventional areas of public health concern (such as drinking water systems, sewage treatment and disposal systems, incompatible land-uses, and contaminated site assessment) our review process also includes a Healthy Built Environment component with five key areas of interest, specifically: neighbourhood design, housing, natural environments, transportation networks and food systems. These components are part of the Healthy Built Environments Tool Kit which can be accessed at http://www.bccdc.ca/pop-public-health/Documents/HBE_linkages_toolkit_2018.pdf.

In review of these intermunicipal plans, AHS-EPH submits the following comments for your review:

1. *General Land Use*

Land Use (Industrial Development) – AHS-EPH is available for consultation on issues related to dust, air and water pollution as required. Additionally, AHS-EPH supports the consideration of potential impacts of industrial development on adjacent land uses including nuisance issues (e.g. noise) and the requirements for risk and environmental impact assessments.

Land Use (Subdivisions and development) – AHS-EPH is available to provide comment on outline plans, subdivision applications for developments including commenting on transportation infrastructure or municipal services. AHS-EPH recognizes that there may be areas with high water tables, and supports that developments shall be designed and constructed to prevent water infiltration to residential areas and protection of the aquifer.

Utility Services and Subdivision design - Some plans indicate that developments on vacant parcels of land within the Future Urban Expansion Areas will be served via private water and sanitary systems until lands are annexed and water and wastewater transmission lines are extended to the area. AHS-EPH supports future intentions to incorporate these expansion areas into infrastructure for regional/municipal water and wastewater systems. AHS-EPH also recommends that the development of this infrastructure be a priority to help minimize the risk of illness associated with private systems. Regional/municipal systems allow for reduced lot size and ultimately healthier and more economical use of land assets. AHS does not support connection to unlicensed water systems as the liability issues and costs of operating and maintaining such a system can become prohibitive, leading to mismanagement, potential nuisance issues and contamination of groundwater including drinking water aquifers.

Wastewater Servicing – AHS-EPH supports connection to a communal wastewater system where possible, in order to reduce risk of any nuisance conditions. AHS-EPH supports policies that support infrastructure for regional/municipal wastewater systems for new and expanding developments. Regional/municipal systems allow for reduced lot size and ultimately healthier and more economical use of land assets.

Water Servicing – The Summer Villages do not operate a municipal potable water distribution system. Landowners are responsible for providing private on-site water systems to their own lots. Potable water is provided via individual private wells,

cisterns, or brought from other locations. Landowners are responsible for providing private water services that are safe, efficient, and comply with all provincial rules and regulations. AHS-EPH supports that those on private well systems are properly maintained and that bacteriological water samples are submitted twice per year. AHS-EPH supports connection to regional/municipal water systems, should they become available in the future. AHS-EPH does not support connection to unlicensed water systems as the liability issues and costs of operating and maintaining such a system can become prohibitive, leading to mismanagement, potential nuisance issues and contamination of groundwater including drinking water aquifers.

Storm Water Management – Storm water run-off from individual residential lots currently drain into the ditch system adjacent to the developed roadways or directly into the lake via surrounding properties. AHS EPH also recommends that storm water management facilities must be designed so as to not create potential mosquito breeding areas (e.g. storm water ponds with steep sides, measures to prevent formation of shallow, stagnant bodies of water).

2. Healthy Built Environment

In regards to Healthy Community Design, some initiatives that are supported by AHS-EPH are noted below. In addition to these initiatives we have provided a general overview of the five pillars of Healthy Community Design and encourage incorporating design concepts that are consistent with these domains.

Healthy Neighbourhood Design

Neighbourhoods where people can easily connect with each other and with a variety of day-to-day services are beneficial to the well-being of residents. A complete, compact and connected neighbourhood can foster better mental and physical health of individuals within that community. Land use decisions that influence zoning, transportation systems and neighbourhood design can support this.

AHS-EPH recognizes that Summer Villages at Pigeon Lake is home to both seasonal and year-round residential. With the exception of Ma-Me-O Beach, there are no lands for commercial use. There are lands specifically designated as for development of residential areas and strive to be low density. AHS encourages healthy neighbourhood design policies that include complete, compact and connected neighbourhoods as it can foster better mental and physical health of individuals within that community.

Healthy Housing

Affordable, accessible and good quality housing for all that is free of hazards and enables people to engage in activities of daily living have impacts on health. Incorporating healthy and varied housing into land use planning assists in fostering good mental and physical health while improving the quality of life of all ages, and incomes levels.

Included in the MDPs are policies that support residential developments to be well designed, and constructed to prevent water infiltration and mitigate risk to both aquifer and water infiltration. AHS-EPH supports healthy housing initiatives including commitments to quality housing (including prioritizing air quality, water quality and safety).

Healthy Natural Environments

Research supports a strong relationship between people's exposure to natural areas and the reduction of stress, chronic disease, depression and anxiety as well as improved concentration and cognitive function. Communities that are designed to incorporate natural environment into their plans can help promote more physical activity and better mental health.

Conserving natural and ecological areas are goals specified in the MDPs. There are designated lands that will be left in their natural state or responsibly developed for community recreational uses. AHS EPH is in support of protecting natural

environments and community designs that incorporate natural environment as exposure to accessible natural areas promotes more physical activity and better mental health.

Healthy Transportation Networks

Prioritizing active transportation (i.e. walking or cycling) in plans, can encourage residents to choose self-empowered movements whenever possible in addition to supporting increased physical activity. Active transportation can also help reduce emissions, leading to better mental and physical health for residents. AHS encourages policies that support healthy transportation and active transportation infrastructure.

Healthy Food Systems

How people choose food and the kinds of food items that are accessible can influence the overall health of residents. Land use design can impact accessibility, quality and the variety of foods available to residents. AHS-EPH supports promotion and integration of healthy food systems in the planning process. Examples include:

- a. Support of community-scale food infrastructure and services (i.e. enhancing agricultural and community garden capacity or encouraging grocery stores to be located within walking distances of residential areas.
- b. Ensuring access to healthy foods in all neighbourhoods
- c. Enhancing agricultural capacity

The Summer Villages at Pigeon Lake are primarily small municipalities. Any local/regional agricultural development initiatives will incorporate Best Management Practices and watershed management design principles. AHS EPH supports enhancement of local agricultural capacity as it can have a positive impact on accessibility of food available to residents.

The Summer Villages MDP indicates the importance of intermunicipal collaboration to promote action for healthy watershed, healthy lake and healthy community. AHS believes that commitments such as this leads to supportive, healthier environments.

AHS-EPH recognizes that the Summer Villages of Pigeon Lake MDPs include several concepts that are consistent with Healthy Community Design and we believe that commitments such as this support healthier communities. AHS continues to appreciate the opportunity to comment on land use development documents such the Intermunicipal Development Plans, Municipal Development Plans, Area Structure Plans, Outline Plans and subdivision applications.

Alberta Health Services

ALBERTA HEALTH SERVICES ADDENDUM

RE: Municipal Development Plan Drafts for Summer Villages of Argentia Beach, Crystal Springs, Grandview, Ma-Me-O Beach, Norris Beach, Poplar Bay, Silver Beach

AHS-EPH recognizes that the Summer Village is in support of enhancing Pigeon Lake's watershed. The Municipal Development Plans indicate the importance of managing non-point source pollution such as nutrients, bacteria, pesticides, fertilizers, metals oils, and other contaminants into the lake. The addition of nutrients and phosphorous can contribute to presence blue green algae blooms and fecal bacteria.

The following are goals stated in the MDP for protection of the Pigeon Lake Watershed:

1. Excellence in environmental stewardship ensures land use and municipal programs conserve and enhance the Pigeon Lake watershed and the community's unique ecological feature.
2. Ensuring wastewater servicing in the Summer Village is safe and compliant with provincial regulations.
3. Ensure storm water flows in the Summer Village are managed to reduce the risk of flooding and minimize sediment and phosphorus runoff entering Pigeon Lake.

Alberta Health Services – Environmental Public Health (AHS-EPH) is in support of protection of the Pigeon Lake Watershed, and the aforementioned goals.

To further enhance protection of the many watersheds and beaches throughout Alberta, Alberta Health Services – EPH has released a recent document called the *Alberta Safe Beach Protocol*. The protocol outlines the provincial program to assess and manage the public health risks associated with recreational waters throughout Alberta. It specifies recreational water quality standards designed to protect bathers primarily from microbiological risks, and where applicable physical and chemical risks. It also encourages owners/operators to monitor for cyanobacterial blooms and *enterococcus* (fecal indicator).

The *Alberta Safe Beach Protocol* is a voluntary program that includes monitoring/sampling, a Recreational Water Site Assessment and a Recreational Water Safety Plan. AHS-EPH encourages owner/operators part take in this program as it helps assess and manage public health risks associated with recreational water. This year, monitoring and sampling for cyanobacteria and *enterococcus* were completed at two sites on Pigeon Lake: Zeiner Campground and Pigeon Lake Provincial Park by Alberta Environment and Parks.

The Recreational Water Site Assessment (RWA) is an assessment tool to survey recreational water sites for potential hazards. The Recreational Water Safety Plan (RSWP) further identifies potential control or mitigation measures of hazards identified. The RSWP helps identify short and longer term measures to reduce hazards, and is particularly useful if there are ongoing water quality issues over several seasons at the site. The process also relies on collaborative work with government departments, agencies and stakeholders in finding long-standing solutions. AHS – EPH is able to provide consultation on the RSWP specifically, once completed.

Completing the initial Recreational Water Site Assessment and Recreational Water Assessment tool would be a positive step in improving and maintaining water quality at Pigeon Lake. Ongoing sampling at priority recreational sites including Zeiner Campground and Pigeon Lake Provincial Park will also help determine trends and overall water quality at Pigeon Lake.

A copy of the *Alberta Safe Beach Protocol* can viewed here:

<https://open.alberta.ca/dataset/71f0b5ea-b295-4677-afc6-0905641f0694/resource/372d1058-9c90-4da6-a56e-98395dad4a59/download/alberta-safe-beach-protocol.pdf>

Alberta Health Services

ATCO GAS & PIPELINES

RE: Proposed Municipal Development Plans – Pigeon Lake Summer Villages

The Engineering Department of ATCO Pipelines (a division of ATCO Gas and Pipelines Ltd.) has reviewed the above named plan and has no objections subject to the following conditions:

1. Any existing land rights shall be carried forward in kind and registered on any newly created lots, public utility lots, or other properties.
2. ATCO Pipelines requires a separate utility lot for its sole use.
3. Ground disturbances and surface works within 30 meters require prior written approval from ATCO Pipelines before commencing any work.
 - Municipal circulation file number must be referenced; proposed works must be compliant with ATCO Pipelines' requirements as set forth in the company's conditional approval letter.
 - Contact ATCO Pipelines' Land Department at 1-888-420-3464 for more information.
4. Road crossings are subject to Engineering review and approval.
 - Road crossing(s) must be paved and cross at a perpendicular angle.
 - Parallel roads are not permitted within ATCO Pipelines' right(s)-of-way.
 - If the road crossing(s) requires a pipeline alteration, the cost will be borne by the developer/owner and can take up to 18 months to complete.
5. Parking and/or storage is not permitted on ATCO Pipelines' pipeline(s) and/or right(s)-of-way.
6. ATCO Pipelines recommends a minimum 15 meter setback from the centerline of the pipeline(s) to any buildings.
7. Any changes to grading that alter drainage affecting ATCO Pipelines' right-of-way or facilities must be adequate to allow for ongoing access and maintenance activities.
 - If alterations are required, the cost will be borne by the developer/owner.
8. Any revisions or amendments to the proposed plans(s) must be re-circulated to ATCO Pipelines for further review.

ATCO Pipelines