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 $\textbf{ABOVE:} \ AWN's \ CDN \ Emerging \ Leaders \ Program \ participants \ celebrate \ their \ successful \ program \ completion \ alongside \ representatives \ from \ CDN \ Controls, \ SAIT, \ Halliburton \ and \ NuVista \ Energy.$

A SUCCESSFUL FINISH FOR EMERGING LEADERS

AWN celebrated the end of the CDN Emerging Leaders program in April 2022, congratulating 24 staff and community members on successfully completing the leadership training. In its inaugural year, the CDN Emerging Leaders Program offered two streams: Communication (fall 2021) and Leadership (winter 2022). Participants gained new skills in building resilience, emotional intelligence, communication, conflict management, leadership, time management, problem-solving, decision-making and team building.

Emerging Leaders is a testament to the power of partnerships and collaboration across sectors and communities. AWN would like to thank CDN Controls, especially Jennifer Ezekiel and Kelsey McKague, whose persistence and support were integral in making Emerging Leaders possible, Aimee Couture for running everything behind the scenes, and of course, the incredible instructors and staff from SAIT: Matt Adolphe, Gina Botelho and Jennie Gilbert, for sharing their knowledge and experience with us. SAIT showed incredible flexibility and innovation to ensure training was accessible for all.

We'd also like to extend heartfelt thanks to Toni Saville (Halliburton) and Jonathan Wright (NuVista) for being part of our closing ceremony, our generous industry funders: Haliburton, NuVista, ARC Resources, Pembina, TC Energy, Keyera, Pipestone, CSV, and Tourmaline, and Electronics Recycling Association for their generous donation of tablets and laptops.

Last but not least, a huge congratulations to the CDN Emerging Leaders Program participants who committed many hours to their personal and professional development. The group included Aimee Couture, David MacPhee, Brenda McFadyen-Landry, Cheryl Kenworthy, Don McNeil, Shannon Chowace, Musab Sayah, Sandra Moberly, Bella Karakuntie, Yvonne MacPhee, Cathy Wanyandie, Jesse Letendre, Courteney Wanyandie-Smith, Stuart McDonald, Nadine Alexis, Edna Doire, Stephanie Leonard, Lorraine Delorme, and Stephen McDonald.

A WORD FROM CDN CONTROLS

Contributed by Jennifer Ezekiel, CDN Controls

On behalf of CDN Controls, Dean Fraser, Kelsey McKague and I would like to thank you for your generous support of the CDN Emerging Leaders Program with Aseniwuche Winewak Nation in 2021/2022.

On April 12, we had the absolute privilege of celebrating the completion of this program in Grande Cache. The 24, students, community members, industry sponsors and SAIT representatives gathered together for an event that included a most thoughtful and engaging panel discussion with David MacPhee (President, AWN), Brenda McFayden-Landry (COO, AWN), Toni Saville (Sr. BD Manager, Canada/West Coast USA, Halliburton) and Jonathan Wright (President and CEO, NuVista Energy), a certificate presentation to the participants by Lauren Bishop (Indigenous and Non-Profit Client Development Manager, Corporate Training, SAIT) and Dean Fraser (President and Cofounder, CDN Controls), and a delicious meal prepared by the Rocky Girls (AWN girls baseball team).

This program has truly been a precedent-setting initiative between an Indigenous community, industry and academia — working together as partners to create a unique leadership program that has already seen tangible impacts in the working environment and team dynamics within AWN, ADC and AEC. As the classic saying goes, "If you want to go fast, go alone. If you want to go far, go together". Aimee Couture (Special Projects and Training Manager, ADC) and Kelsey McKague (Indigenous & Community Relations Coordinator, CDN) were an unstoppable team, navigating numerous obstacles, including COVID restrictions, last-minute venue changes, Wi-Fi challenges, participant working schedules and health issues – to name a few – throughout the course delivery to allow it to proceed as planned.

CDN and SAIT hope to offer this program to other interested Indigenous communities – either in the format that AWN received or a shorter one to two-day condensed version that could be used for youth/high school setting. If you are interested in continuing to support this program and/or know of an Indigenous community that may be interested, please let myself or Kelsey McKague know.

These are the initiatives that make our work truly meaningful and inspire us to continue to do more with and for each other as partners. Thank you for being a part of it, we are truly grateful.

Kinanâskomitin – thank you







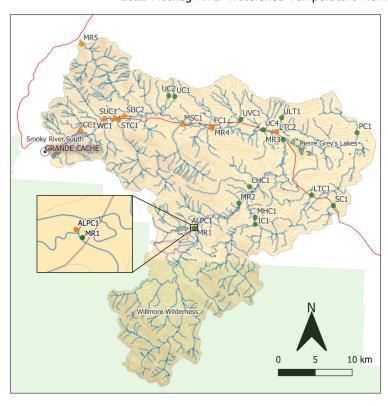
ROUND DANCE

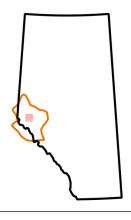
Thank you to everyone involved in the AWN Round Dance on April 30. A Round Dance is a collective effort and we're grateful

for every helping hand that made it possible. Thank you to everyone who attended. We hope you had a great time and enjoyed the event festivities.

SAKIPAKAWPISIM · LP<600 AZC · BUDDING MOON · MAY 2022

2021 Muskeg River Watershed Temperature Monitoring Locations





2021 mean August temperature (Celsius)

- 0 11 (Suitable)
- 11 15.4 (Above Suitable) Grande Cache
- Alberta Highway 40 Muskeg_HUC8_streams
- Muskeg_HUC8_waterbodies
- Muskeg River HUC 8 Watershed Alberta Parks and Protected Areas
- AWN_TLU_Boundary
- Alberta

MUSKEG RIVER WATERSHED REPOR

Contributed by Nate Medinski

In 2021, AWN received funding from Fisheries and Oceans Canada's Aquatic Habitat Restoration Fund (AHRF) as part of the accommodation measures for Indigenous communities located along the Trans Mountain Pipeline expansion route. One of the main objectives of the funding was to develop the technical capacity to conduct aquatic monitoring and assessment projects within the community. AWN reached out to Alberta Environment and Parks to discuss opportunities to collaborate on an aquatic monitoring project. As the Muskeg River watershed and bull trout recovery are significant to the AWN community, we helped develop and implement a project into whether water temperatures in 19 different streams are suitable for juvenile bull trout. Previous studies have shown that areas where August water temperatures average 11°C or higher, are unsuitable for juvenile bull trout use. We found that many creeks and the middle and upper parts of the Muskeg River met juvenile thermal needs, but several in the middle and lower parts of the watershed did not.

We also wanted to understand how susceptible streams are to increases in air temperature and, therefore, future climate warming. We found that, generally, most streams

have good buffering capacity against increases in air temperature, likely due to inputs from groundwater springs and stream vegetation cover. However, water temperatures in A la Peche Creek were susceptible to increases in air temperature, likely due to greater warming in shallow A la Peche Lake and low flows due to low gradient and beaver activity. Several community members, including Mike Desjarlais, Stephen McDonald, Eric McDonald, Justin Wanyandie and Stuart McDonald, helped install monitoring equipment and collect field data. AWN has prepared a technical report summarizing the work done for this project, which can be found on the AWN website. A community engagement session is planned for June to discuss this and other aquatic projects that AWN is working on in more detail. Stav tuned!

AWN would like to thank Nate for his tremendous dedication to our fish and streams work. He has brought invaluable experience, knowledge and field skills which he eagerly shares with community members. Thank you, Nate, and congratulations on completing the 2021 Muskeg River **Watershed Monitoring Report!**



In 2021, as part of FFP's annual Historic Resource Management Plan, 65 blocks and 47 proposed road developments were screened against known sites, topography, satellite imagery, and LiDAR to identify areas of archaeological potential. Areas typically selected would have potentially well-defined and elevated landforms in close proximity to water, i.e., would you camp here?

A total of 23 blocks and 12 roads in four compartments, encompassing 2,585.1 ha, were subject to in-field inspection, with 1,369 subsurface tests conducted and 140 exposures visually assessed for evidence of cultural activity. Exposures are places where normally subsurface sediments are visible from the surface. These can include roads cut through hills, game trails where the topsoil has been worn away, or, most commonly, tree throws, where the root system with soils attached is visible.

The result of these investigations was the identification of five new archaeological sites. These sites are classified as lithic scatters, identified by the recovery of small pieces of chipped stone that are the by-product of tool making and repair. The base of a projectile point composed of black chert was recovered at one site. Although only partial, enough has survived to classify the projectile point as belonging to the Scottsbluff tool-making tradition, dating this find to 9600 – 9000 years BP.

These sites were flagged in-field with blue and white flagging tape and subsequently removed from their block boundaries such that harvest can proceed. There are no further concerns about harvesting within the FFP Historic Resource Management Plan.







The caribou spring migration has begun! Caribou Patrol is reporting and receiving daily sightings along Highway 40. Please drive with extreme caution.

Traditional Territory

Unlike boreal caribou populations, the local mountain caribou require different seasonal ranges connected by slow down and scan for animals. lands that enable migration. Caribou need these ranges to travel to mountainous areas in Alberta and BC in the summer to the Alberta foothills in the winter.

However, changes to the landscape have resulted in changes to the migration patterns. In 1998, the entire Red Rock Prairie Creek herd migrated from the mountains to the foothills. It's been found that only 38% of the caribou currently migrate to their winter range. As a result, the caribou remaining in the mountains are at increased risk of avalanche-related challenges, including death and reduced access to lichen necessary to survive the winter.

Woodland caribou do not migrate the same way as their tundradwelling counterparts, who travel as one large herd across extreme distances across the landscape. Woodland caribou migrate shorter routes in smaller groups or even individually. In the case of the A La A La Peche, Redrock-Prairie Creek and Narraway are the Peche herd, which crosses Highway 40 each migration, caribou are only migratory mountain caribou herds under Alberta potentially on or near Highway 40 from mid-October to mid-December protection. All three herds can be found within AWN and from April to June. Several A La Peche caribou also seem to have a reduced migration, similar to the Red-Rock animals, as several animals can be sighted on or near Highway 40 year-round. It's during these times, especially when road users should make a concerted effort to





NEW FACES AT ASENIWUCHE



Please join us in welcoming new staff P. Raju Thomas (HR Manager) and Kenny Napier (Field Supervisor, AEC)! We're excited to expand our team with new and familiar faces.

Raju brings over two decades of vast and varied experience in Human Resources Management. In his previous assignment, he worked with a First Nations government in Saskatchewan as Vice President of Human Resources for its group of companies. He is a Chartered Professional in Human Resources and a Chartered Member of CIPD. He holds a Master's in Strategy Studies and MBA with specialization in both Human Resources

and Finance. Raju is an avid reader and music lover and likes to visit new places and learn about different cultures during his spare time.

Kenny has lived in Grande Cache for 52 years. He's worked at all the major industries around town before finding a home at AEC. He has a string of diplomas and certifications to his credit and is an experienced mentor and coach. Kenny enjoys outdoor activities like fishing, hunting, golf, guitar, and riding his motorbike. And, of course, he loves spending time with his family and grandchildren.