

BMPs

2019

- Development of best practices using past AUPRF research projects targeting PTAC focus areas Plug/annular cement integrity analysis and fault diagnosis of mechanical plugs
- Evaluation of Reclamation Practices on Forested Upland and Peatland Well Sites
- Develop Definitions for Alternative Water Sources to High Quality Non-saline Groundwater
- Woodland Caribou Calving Areas and Calf Survival in Relation to Habitat Selection, Anthropogenic Disturbance, and Exposure to Predation Risk
- Algar Habitat Leapfrog Restoration Tank
- Targeting Alternate Prey to Understand Caribou and Moose Habitat Management Choices in a Regenerating Landscape: Increasing Functional Habitat for Caribou Within West-Central Ranges
- Data Compilation and Analysis of Phase II ESAs Associated with Drilling Waste Disposal Locations
- Agronomic Receptor Evaluation for Direct Soil Contact
- Remediation of Hydrocarbon Contaminated Soil and Groundwater using Heat-Activated Nano Stimulators
- Re-evaluation of F2 and F3 Petroleum Hydrocarbon Management Limits – Phase 2

- Evaluation of Reclamation Practices on Forested Upland and Peatland Well Sites
- Alternative Water Source Life-Cycle Management Framework
- Algar Caribou Habitat Restoration Project
- Evaluation of new grizzly bear genetic scat results with DNA results from hair collection – a test and comparison of population monitoring for the future of provincial grizzly bear monitoring
- Efficient Monitoring of Wildlife Responses to Seismic Line Restoration in the Algar Habitat Restoration Program
- Scientific Evaluation and Interpretation of Baseline Groundwater Well Testing Data Available for British Columbia

2018

- Woodland Caribou Calving Areas and Calf Survival in Relation to Habitat Selection, Anthropogenic Disturbance, and Exposure to Predation Risk
- Algar Caribou Habitat Restoration Project
- Evaluation of Reclamation Practices on Forested Upland and Peatland Well Sites
- Develop Definitions for Alternative Water Sources to High Quality Non-saline Groundwater
- Plug/annular cement integrity analysis and fault diagnosis of mechanical plugs

2017

- Pneumatic Vent Gas Measurement
- Verification of Quantitative Optical Gas Imaging System
- Pilot Measurements Study for Quantifying Methane Emissions at Upstream and Midstream Oil and Gas Facilities
- Caribou Range Restoration Project: 10 Year Follow-up Monitoring of Naturally Regenerating Seismic Lines in West Central Alberta

2016

- Leak Detection and Repair Baseline
- Vehicle-based Fugitive Emission Detection and Attribution Within Alberta Energy Developments
- Mitigating Low Volume Methane Emissions
- Does Recovery Linear Features Increase Functional Habitat for Caribou?
- Assessing Disease Prevalence and Caribou Health in West-Central and North-Western Alberta
- Monitoring Wetland Vegetation and Reclamation Across Space and Time
- Development of a Reduced Analytical Suite of Upstream Oilfield Metals for Groundwater Monitoring
- Database of Background Metals Concentrations in Shallow Alberta Groundwater
- Understanding Characterizing the Influence of Clay Pads on Toluene Biogenesis in Peatlands

2015

- Development of a Model to Predict Benzene Emissions from Glycol Dehydrators with Condensation Tanks
- Literature Review: Use & Environmental Impact of Amines
- Developing a Stand-off (non-intrusive) Stack Testing Technology
- Pneumatic Pump Alternatives for Cold Weather
- Flaring Cost-Benefit Analysis
- Heavy Oil Odour Management Technology and Best Practices
- Background Metals Database
- Soil Quality Guidelines for Selected Trace Metals
- Salt-Affected Wellsite Closure
- Salt-Affected Wellsite Closure – Phase B
- Regulatory Follow-up for Boron Guideline Finalization
- Does Recovering Linear Features Increase Functional Habitat for Caribou?
- Assessing the Role of Grizzly Bears in the Decline of Woodland Caribou
- White-tailed Deer in Alberta's Boreal Forest: Population Density, Resource Selection, and Occupancy in Relation to Industrial Landscape Features
- Caribou Behaviour and Calving Success in Relation to Oil and Gas Development: Are All Disturbances Created Equal?
- Caribou Range Restoration Project Treatment

Sites: 9 to 13 Year Follow-up Monitoring in the Little Smoky Caribou Range

- Moose and Predator Numerical Response to Anthropogenic Features
- Do Oil and Gas Activities and Access Control Measures Affect the Distribution, Abundance and Movements of Grizzly Bears?
- Assessing Peatland Restoration Success to Meet Alberta's Peatland Reclamation Criteria
- Developing Scope for Treatment Technology Pilot
- Set Protocols for Sustainable Withdrawal from Lakes
- Performance Analysis of Engineered Liner Systems Used to Store Saline Fluids in the Canadian Oil and Gas Industry: Physical and Environmental Influences