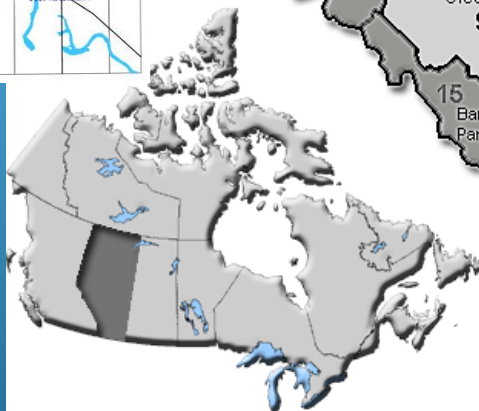
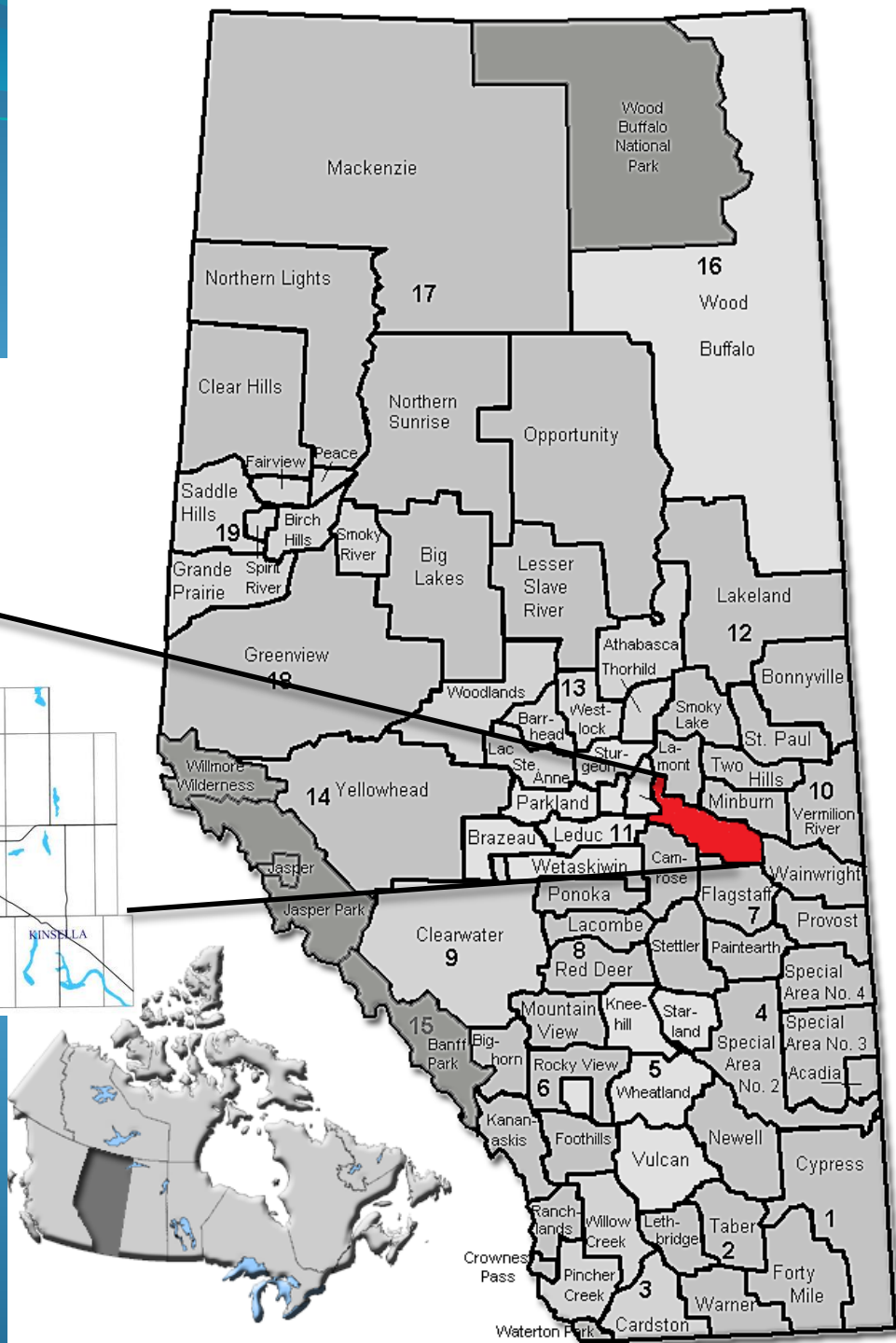
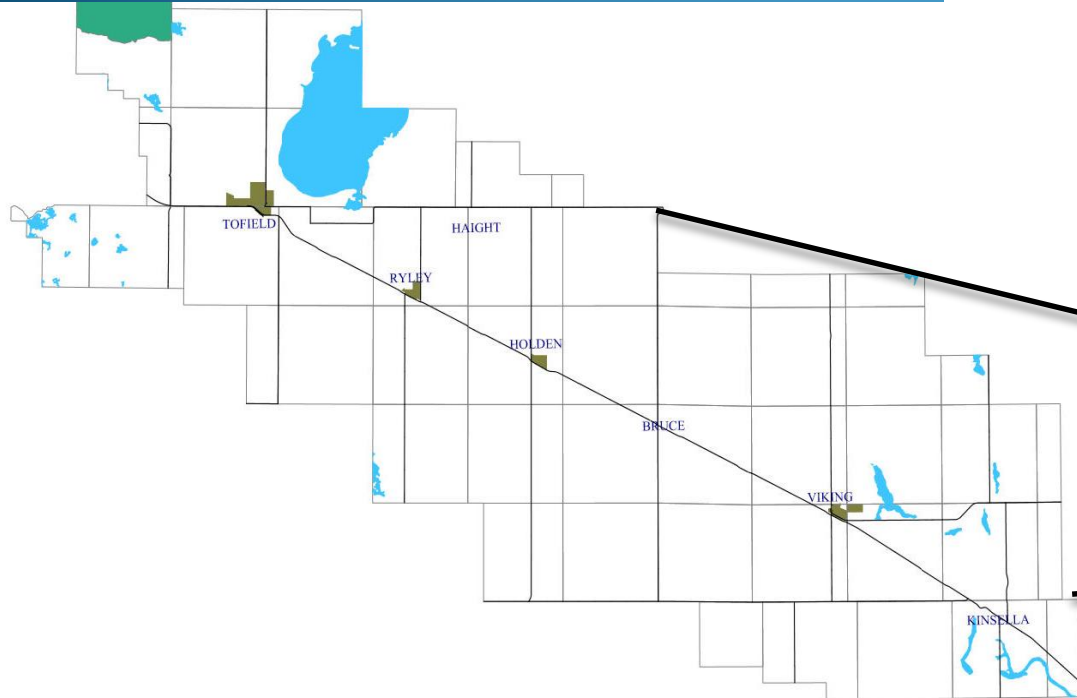


Beaver County

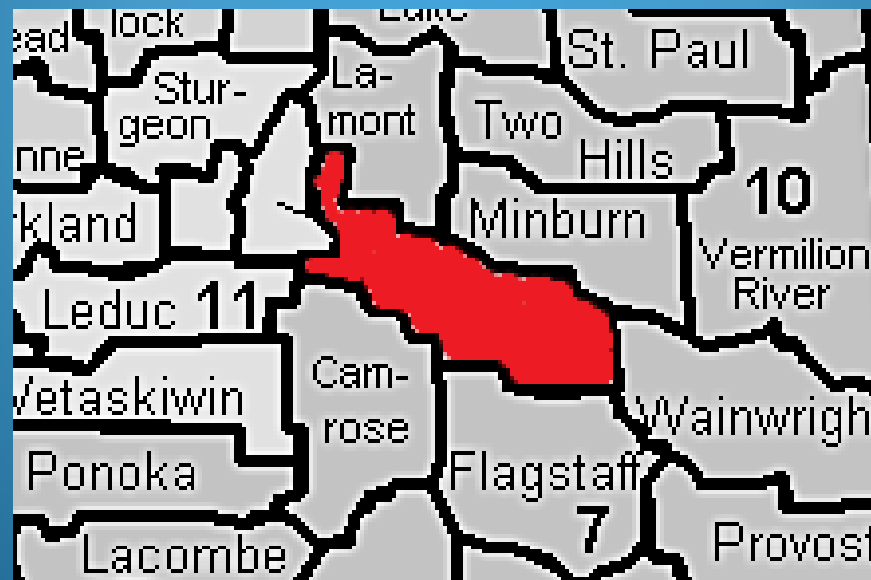


Presented By: Darby Dietz
Director of Public Works



Location

Beaver County is located in east central Alberta, bordered by the Counties of Strathcona and Leduc to the west, Lamont and Minburn to the north, Camrose and Flagstaff to the south, and the MD of Wainwright to the east



- Beaver County is a major route for both rail and highway traffic.
- Highway 14 is the high load corridor from Edmonton to Fort McMurray
- CN Rail's Wainwright Subdivision line parallels Highway 14 through the county, and connects the Edmonton and Saskatoon terminals





Area

- Beaver County encompasses the Towns of Tofield and Viking, and the Villages of Ryley and Holden
- Beaver County maintains the Hamlets of Bruce and Kinsella
- The population of Beaver County is 5,700



Recreation



- Beaver County owns and operates (through contract) both Black Nugget Lake and Camp Lake Campgrounds
- Located next to Black Nugget Lake is Coal Creek Golf Resort, an 18 hole championship golf course



Industry

- Dodds Coal Mine
- Equity Industrial Park
- Viking-Beaver Business Park
- Clean Harbours- Class 1 Landfill
- Beaver Municipal Solutions- Class 2 Landfill



Commissions



➤ Beaver Municipal Solutions

- The regional landfill serving Beaver County and its Urban partners

➤ Highway 14 Water Services Commission

- Owns and operates the water transmission line running from Strathcona County through Beaver County to the Urban partners
- owns and operates the distribution systems within the Villages and Hamlets

➤ Beaver Emergency Services Commission

The first regional partnership in Alberta responsible for fire and emergency management

Encompasses six volunteer fire departments located in the Towns, Villages and Hamlets within Beaver County



Staff

➤ Public Works employs 22 permanent and 9 seasonal staff, consisting of:

- 1 Director
- 1 Superintendant
- 10 Permanent maintenance grader operators
- 2 Permanent and 1 seasonal construction grader operators
- 2 Seasonal truck drivers
- 2 Heavy duty mechanics
- 1 Welder
- 1 Permanent and 1 seasonal backhoe operator
- 2 Administrative support staff
- 1 Utilities/facilities operator
- 6 Permanent and seasonal equipment operators



Roads



- Beaver County's road network has a combined 1600 miles of road, consisting of:
 - 6 miles of paved road
 - 30 miles of oiled collectors
 - 13 miles of base stabilized and chip sealed roads
 - 22 miles of calcium treated collector roads
- We have 25 graveled and 12 oiled rural subdivisions

Gravel Road Maintenance



Gravel

- The County contracts out the supply and annual winter gravel haul on a 5 year term
- Our winter haul consists of 112,000 tonnes to cover approximately 560 miles annually
- Summer spot gravelling is performed by seasonal staff



Bridges and Culverts



- The County employs one full time and one part time backhoe operator, as well as one labourer to maintain the County's culvert inventory, and install new approaches by request
- The County is responsible for the maintenance of 92 bridges and 63 bridge sized culverts



Vegetation Management

- Through our Agriculture Department, the County employs three part time mower operators to complete 1 ½ passes through the County
- They employ one full time operator to run our compact track loader-mounted mulcher
- Weed spraying is performed on a three year rotation



Shoulder Pulls

- We perform shoulder pulls on an average of 20 miles of gravel roads annually
- Roads are assessed each spring to identify the year's priorities, in conjunction with future surfaced roads



Shoulder Pulls



Terracem

- The County has recently started performing base stabilization in-house with cement powder.
- We stabilize at a rate of 30kg/m² at a depth up to 10”
- We contract out the surface treatment of a double chip seal annually



Cementing



Cementing cont.



Chip Seal



Multi Year Road Plan

Between 2014 and 2020, Council has committed to:

- Stabilizing and chip sealing 45 miles of collector roads, 9.5 of which is currently oiled
- Stabilizing and chip sealing one acreage subdivision
- Oiling 15.5 miles of gravel roads
- Re- Oiling 12.5 miles of existing oiled roads

Oiling

- In conjunction with our base stabilization program, the County handles it's own oiling program
- SB90 road oil is applied at a rate of 3.5-4 litres per square metre



Oiling



Dust Control

- Performed in both May and August
- The County contracts out the supply and application of calcium chloride dust control at a rate of 2 litres per square meter
- Utilizes our own water truck to apply dust control to 22 miles of collector roads twice per year. Will be increased to 30 miles in 2016
- By request, we provide dust control to residents at a 50% cost share once per year. They are responsible for the full cost if they request it twice in a calendar year. We average 350 residential locations a year

Snow Removal

- We utilize 10 maintenance graders for normal snow events
- Over the last three years, as aging units are replaced, we have purchased one way plows for our maintenance graders to reduce the time required to open our roadways
- During heavy snow events, we will add in our three construction graders strategically throughout the county
- We utilize two sanding trucks equipped with front discharge sanders for our oiled, paved and chip seal roads
- By request, we provide snow removal services to residents at a rate of \$60/hr up to 1 hr per callout. The same rate is used in summer months for driveway maintenance

- Spring road bans are implemented annually, and apply to all County roads other than chip sealed roads and Equity Industrial Park
- Road bans are in place through the summer and fall on all oiled roads
- Road Use Agreements and Heavy Hall permits are contracted through RoaData Services
- Permits for Agricultural users are handled in-house for spring road bans to eliminate fees for producers



Beaver County

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