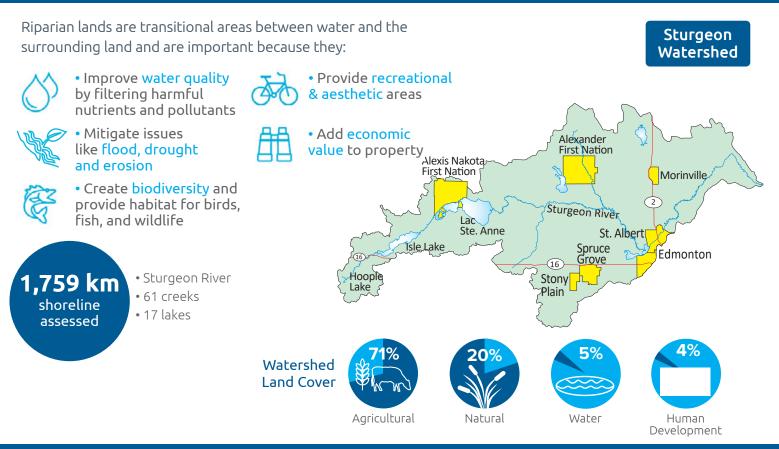
# Summary of the Sturgeon River Watershed Riparian Area Assessment Report



As urban and agricultural development progress, riparian areas play an increasingly important role in protecting water quality and watershed health.



Bison strides near a lake at Elk Island Park. Photo: *Mufty Mathewson* 



**ISSUE:** Of the 100,000 km of riparian areas throughout the North Saskatchewan River watershed, less than 1% of its condition was known.

#### **RESPONSE:**

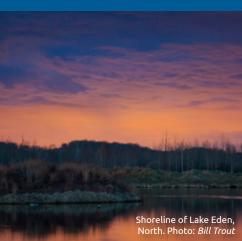
• Field-based research can never be replaced, but a complementary new high-resolution satellite imagery provides large-scale riparian area assessment

• This newly developed method called "riparian intactness" was adopted for a broader-scale project by the NSWA and has now been evaluated by the Government of Alberta

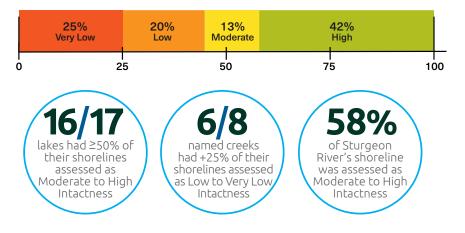
## **PURPOSE:**

- Identify and target riparian areas that need attention due to surface flows, upland land cover or human use and impacts
- Have a starting point for more site-specific follow-up
- Establish waterbody boundaries

**INTACTNESS** 

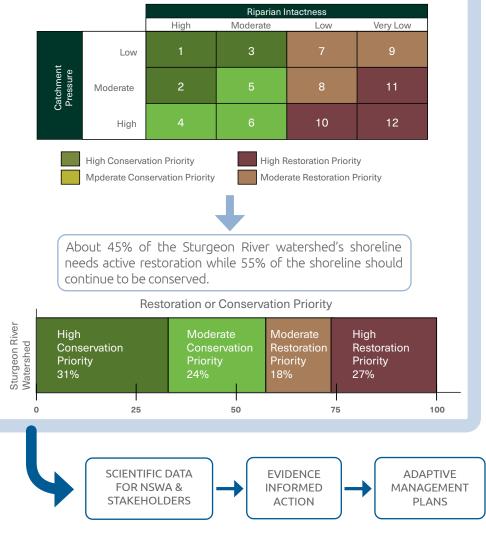


The chart below shows the Sturgeon River watershed's overall intactness scores. Some of the other results are shown in the boxes above and below the chart.



### INTACTNESS MEETS PRESSURE

Together, intactness and pressure were combined to show where on the landscape riparian areas require greater conservation or restoration effort. There are four prioritization categories for land management.



#### **ACTION ITEMS TO** CONSERVE AND RESTORE **RIPARIAN AREAS:**





Shooting Star flower at Wagner Natural Area. Photo: Carol Rusinek





For more information, please visit: 587-525-6820 | water@nswa.ab.ca To read the full report, go to: https://www.nswa.ab.ca/resource/strawberry-riparian-assessment/