

OKANAGAN LAKE FORESHORE INVENTORY AND MAPPING

Appendix F: Summary Map of Kokanee Spawning Locations

Map 1 of 1

SCALE: 1:65 000

0 1000 2000 Meters

DATE: 2005/10/15

Regional District of Central Okanagan



Disturbance Level

- █ Low
- █ Moderate
- █ High

- Kokanee Spawning Locations 2001 - 2004 (MWLAP)
- Historic Kokanee Spawning Locations 1972 - 2000 (MWLAP)
- Administrative Boundary
- █ Waterbody
- Watercourse

Disturbance Level (DL)

The Disturbance Level is a qualitative measurement of the overall health of the foreshore. It can be broken down into the categories Low, Medium or High.

- Low - No or limited signs of disturbance and foreshore impacts.
- Moderate - Moderate signs of disturbance and foreshore impacts.
- High - Extensive signs of disturbance and foreshore impacts.

Caveats

Assumptions regarding the kokanee spawning data included in this report are key to understanding the applicability and limitations of the dataset. Detailed GPS data for kokanee spawning locations are limited to 2001 - 2004. Historic spawning data is compiled by reach break dating back to 1972. As such, the user should understand the dataset represents only a portion of the kokanee spawning information.

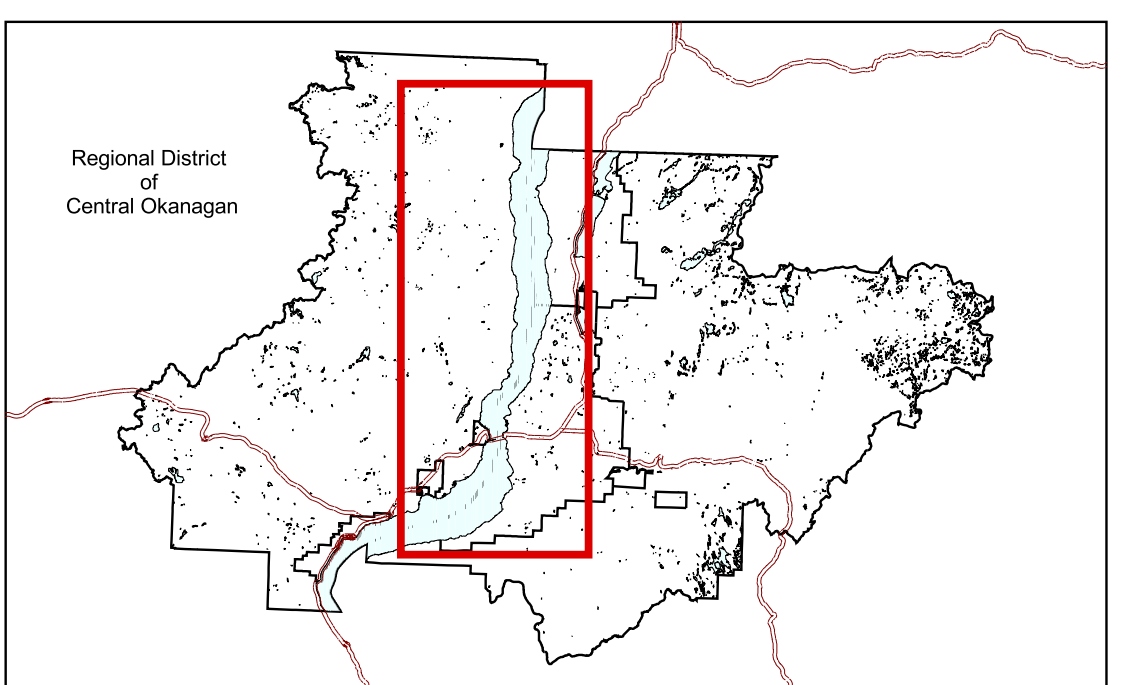
The following is an excerpt from the Caveats Section of the report:

Not all suitable kokanee spawning habitat is used in a given year. The amount of kokanee spawning habitat available on Okanagan Lake is unknown, and with kokanee numbers at an all time low, spawning occurs in only a percentage of the available habitat. As the population rebounds to its historic level, re-colonization of spawning habitat will likely occur.

The overall kokanee population is currently at 10% of what it was in the early 1970s. Any spawning habitat used by these fish needs to be flagged as being critical for the population to persist.

Kokanee are mobile; an area that shows high spawning use one year, may be low use the following year.

The effort being expended by WLAP in observing spawning numbers and location is limited. Spawning locations are only visited three times over the spawning period; therefore, it is likely that not all spawning occurrences are being recorded.



Cartographic Data Sources and Project Information

Projection Information
Projection: UTM; Datum: NAD83; Spheroid: GRS80, Zone 11

Data Source Information
Regional District Boundaries: CDMS - Crown Land Registry Services, 1999;
Regional District Electoral Area, Municipal Boundaries and First Nations Reserve Boundaries: Regional District of Central Okanagan Cadastral Base - Regional District of Central Okanagan, 2002;
Transportation Networks, Streams and Lakes; TRIM 2 - Land Data BC, 2001 and Regional District of Central Okanagan Sensitive Habitat Inventory and Mapping, 2004;
Kokanee Spawning Information - Ministry of Water Land and Air Protection, 2005.

This map is used for illustrative purposes only and should be used in conjunction with the Okanagan Lake Foreshore Inventory and Mapping Database.

Credits

Cartography:
Brent Magnan
Planning Services Department, Regional District of Central Okanagan, Kelowna, BC.

Funding
Regional District of Central Okanagan, Ministry of Water, Land and Air Protection, The Real Estate Foundation, City of Kelowna, District of Lake Country.

For Further Information Please Contact:
The Regional District of Central Okanagan Planning Services Department

Or Visit us on the Web at:
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