WPAT Meeting Agenda

1:00 Welcome, Review of Agenda – Dave
1:15 Water Resources Overview – Dave
1:30 Community Background Info. Summary – Aiyana
2:30 RMNP Resource Mgt Overview – Ken Kingdon
3:15 WPAT Vision/Mission Discussion
3:45 Climate Data – Myles Kopetko, PFRA
4:00 Geology – Heather Groom
4:20 Topography, Slope – Myles
4:40 Landcover- Myles
5:00 Meeting Adjournment

Water Resources Overview

Water Protection Act

Content of a watershed management plan

16(1) A watershed management plan must

(a) identify issues relating to the protection, conservation or restoration of water, aquatic ecosystems and drinking water sources in the watershed; (S of Watershed Report)

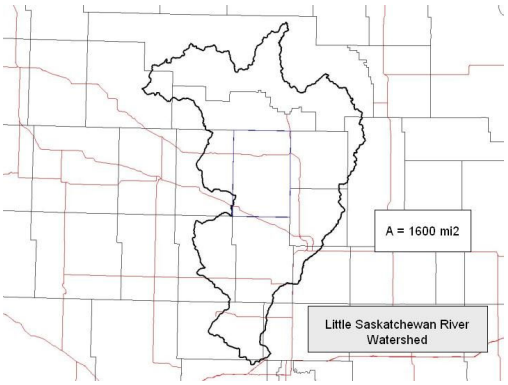
(b) Contain objectives, policies & recommendations …

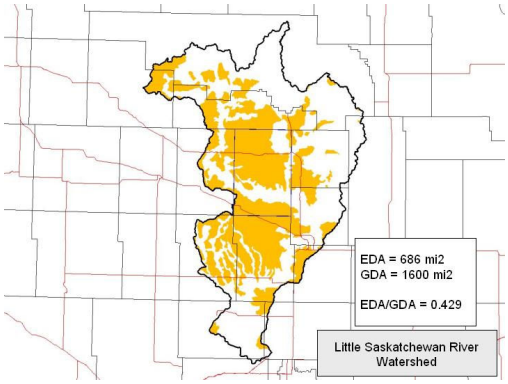
Water Resources Overview

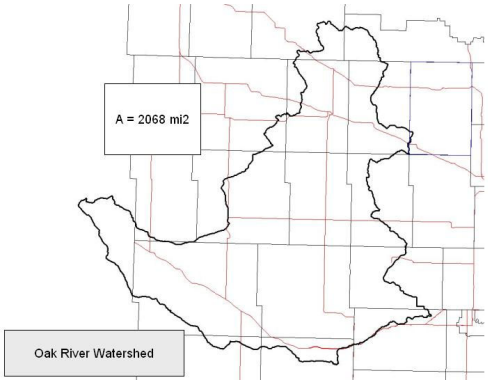
- Effective & Gross Drainage Areas
- Waterways
- Lakes & Wetlands
- Drinking Water Sources

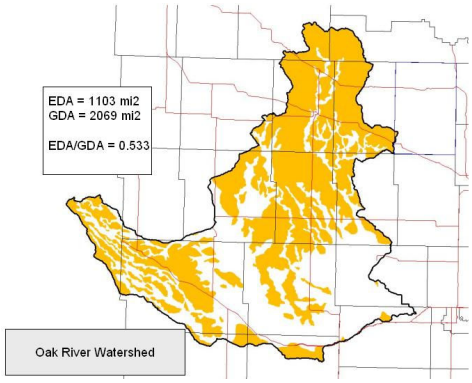
EDA/GDA

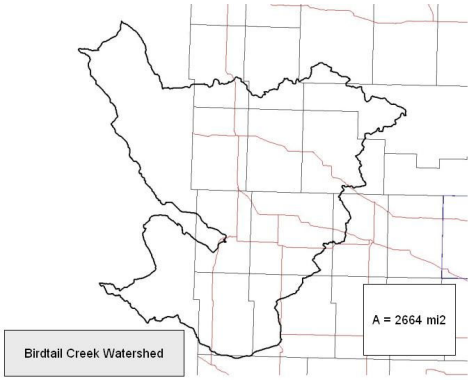
- Effective Drainage Area – area that contributes to runoff in average conditions
- Gross Drainage Area – topographic limit of watershed

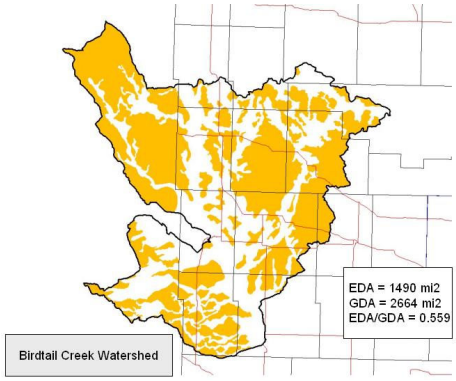


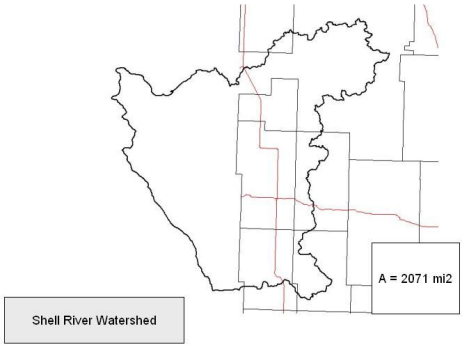


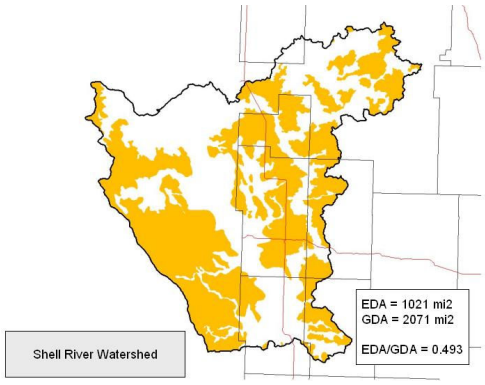



EDA = 1103 mi2
GDA = 2069 mi2
EDA/GDA = 0.533
Oak River Watershed


A = 2664 mi2
Birdtail Creek Watershed

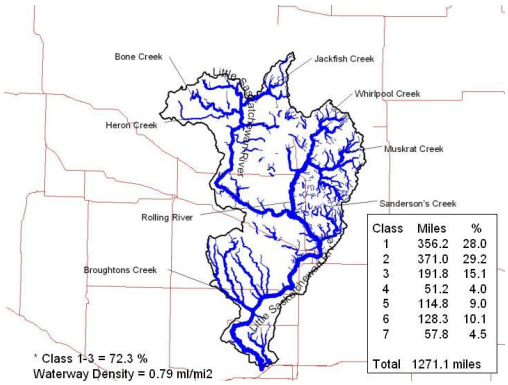

EDA = 1490 mi2
GDA = 2664 mi2
EDA/GDA = 0.559
Birdtail Creek Watershed


A = 2071 mi2
Shell River Watershed

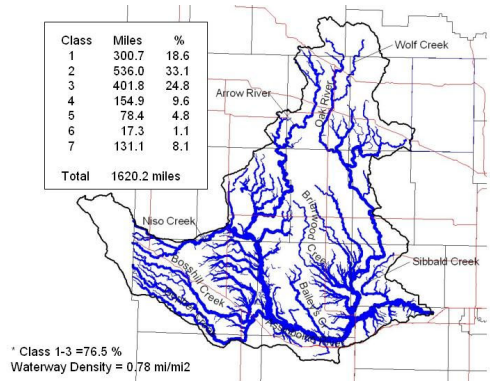


Waterways

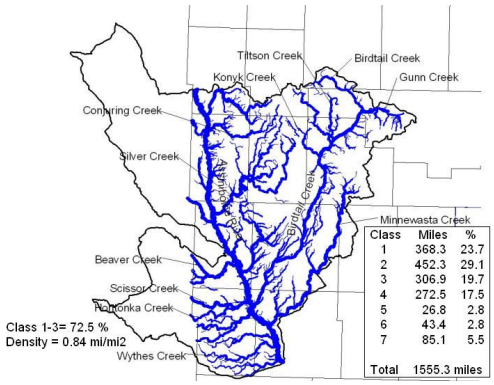
- Class 1 – 7
- Class 1 – area that drains 1 mi2
- Class 2 – is where 2 Class 1 drains join
- Class 3 – is where 2 Class 2 drains join
- etc



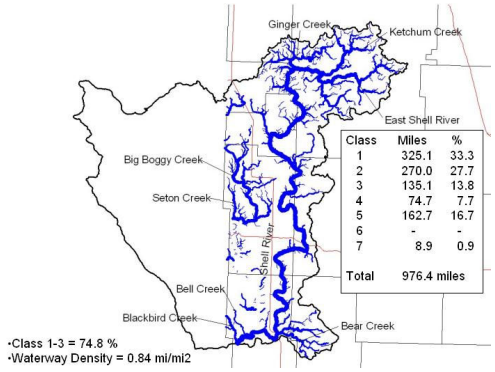
Class	Miles	%
1	356.2	28.0
2	371.0	29.2
3	191.8	15.1
4	51.2	4.0
5	114.8	9.0
6	128.3	10.1
7	57.8	4.5
Total	1271.1 miles	



Class	Miles	%
1	300.7	18.6
2	536.0	33.1
3	401.8	24.8
4	154.9	9.6
5	78.4	4.8
6	17.3	1.1
7	131.1	8.1
Total	1620.2 miles	

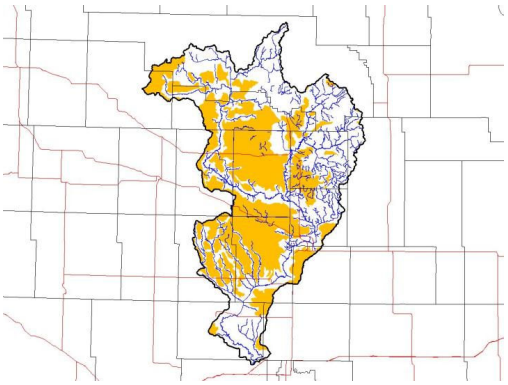


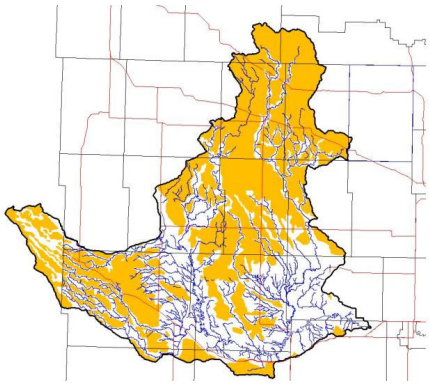
Class	Miles	%
1	368.3	23.7
2	452.3	29.1
3	306.9	19.7
4	272.5	17.5
5	26.8	2.8
6	43.4	2.8
7	85.1	5.5
Total	1555.3 miles	

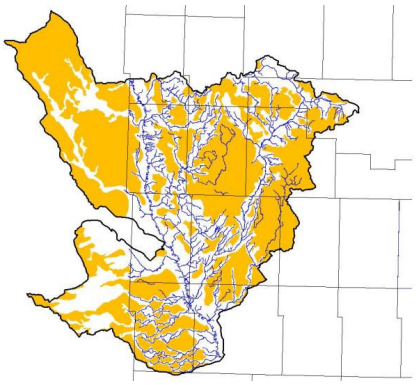


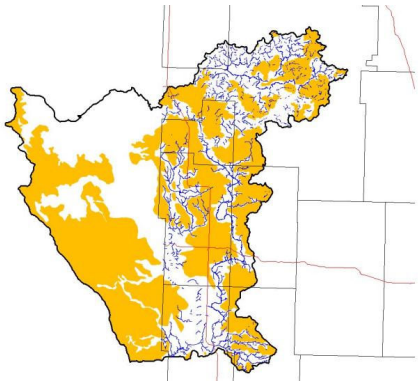
Class	Miles	%
1	325.1	33.3
2	270.0	27.7
3	135.1	13.8
4	74.7	7.7
5	162.7	16.7
6	-	-
7	8.9	0.9
Total	976.4 miles	

Waterways & EDA

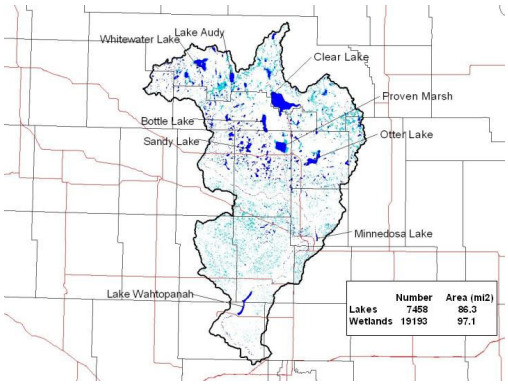


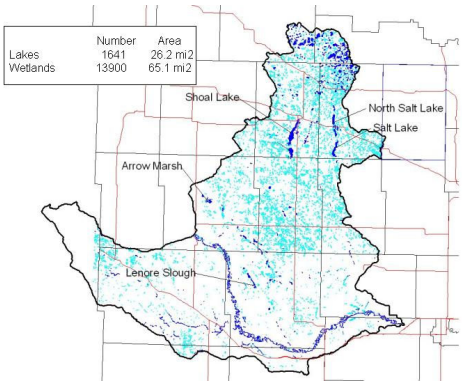


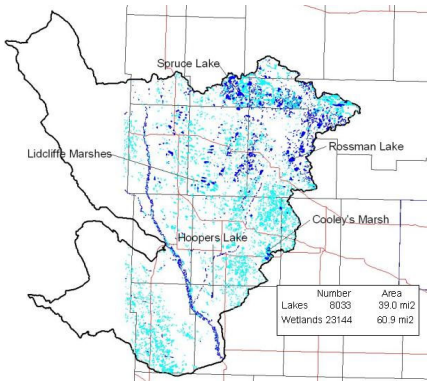


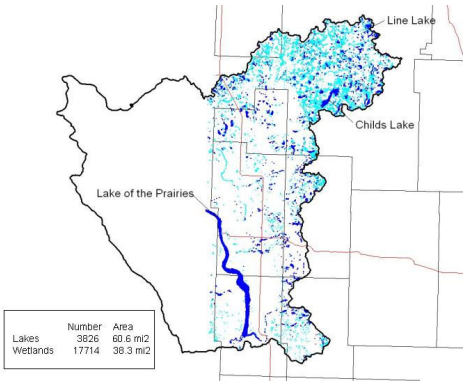


Lakes & Wetlands

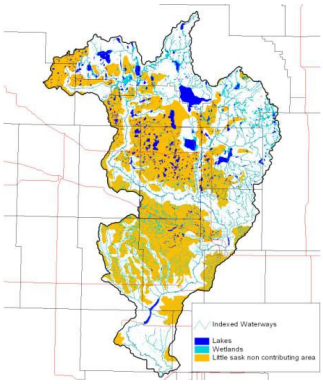

Whitewater Lake
Lake Audy
Clear Lake
Proven Marsh
Bottle Lake
Sandy Lake
Otter Lake
Minnedosa Lake
Lake Wahtopanah
Number Area (mi2)
Lakes 7458 86.3
Wetlands 19193 97.1

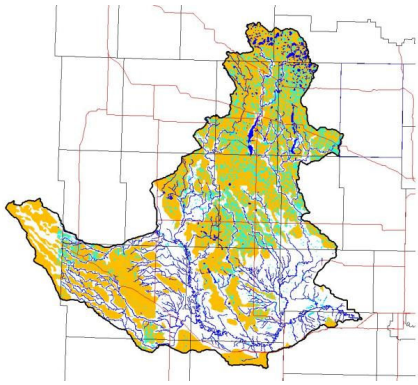

Number Area
Lakes 1641 26.2 mi2
Wetlands 13900 65.1 mi2
Shoal Lake
North Salt Lake
Salt Lake
Arrow Marsh
Lenore Slough

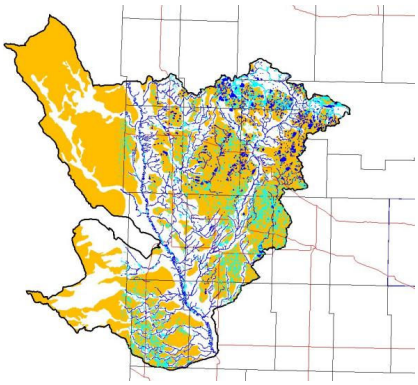

Sprue Lake
Lidcliffe Marshes
Rossman Lake
Cooley's Marsh
Hoopers Lake
Number Area
Lakes 8033 39.0 mi2
Wetlands 23144 60.9 mi2

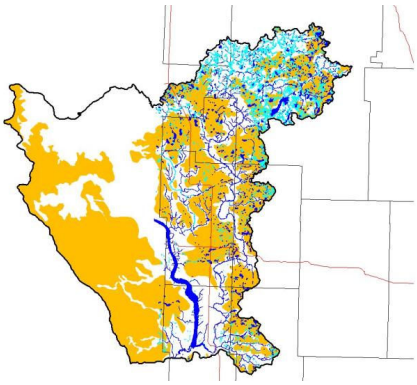

Line Lake
Childs Lake
Lake of the Prairies
Number Area
Lakes 3826 60.6 mi2
Wetlands 17714 38.3 mi2

Total Water Resource Features

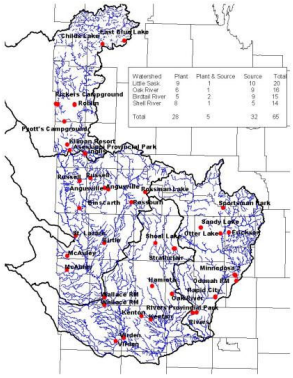








Drinking Water Sources



Watershed	Plant	Plant & Source	Source	Total
Little Saskatchewan River	9	1	10	20
Birdtail River	5	2	9	16
Shell River	6	1	5	14
Total	28	5	32	65

Questions ??