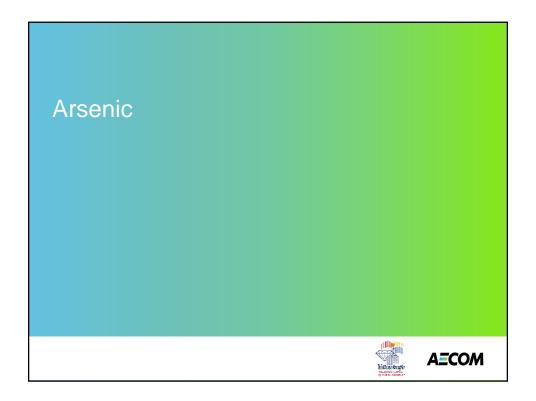
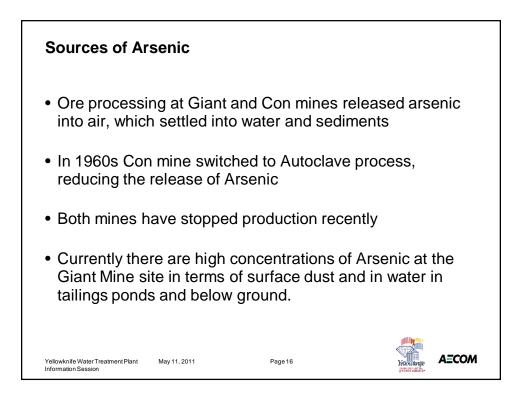
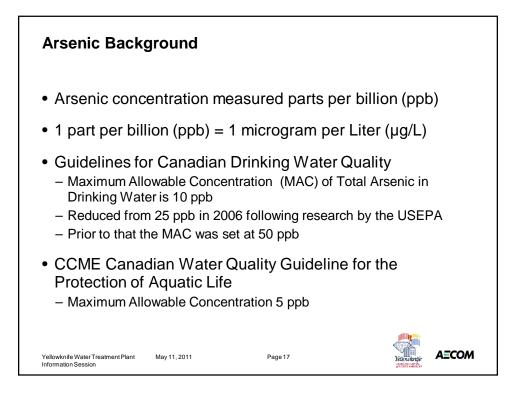
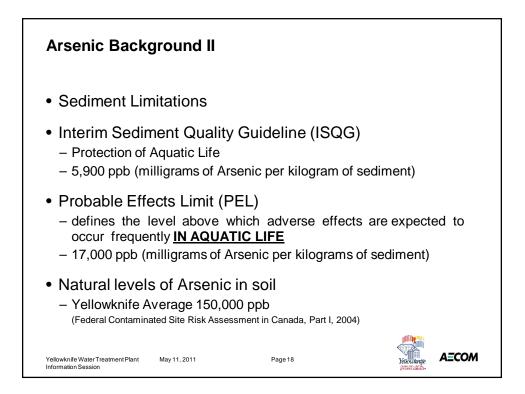


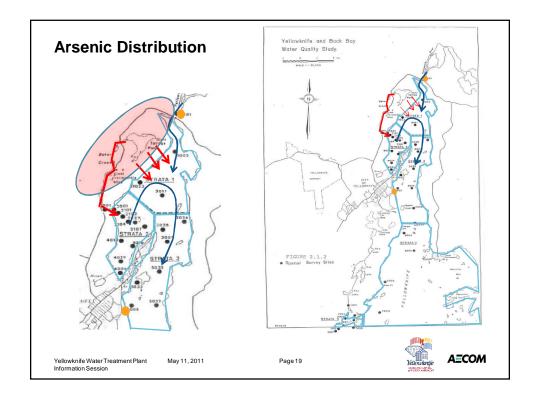
Raw Water Source Comparisons					
River Source Water	Bay Source Water				
Availability of raw water depended upon River flow	Raw Water taken directly from the Bay				
Stable Water Quality with Turbidity Events	Stable Water Quality, Turbidity Events Less Dramatic				
Pumphouse 1, 2 and Submarine Pipeline will required replacement / improvements	Pumphouse 1 only will require equipment replacement				
Annual Operational & Maintenance must account for Pumphouse 1, 2 and Submarine Pipeline	Annual Operational & Maintenance must account for Pumphouse 1 only				
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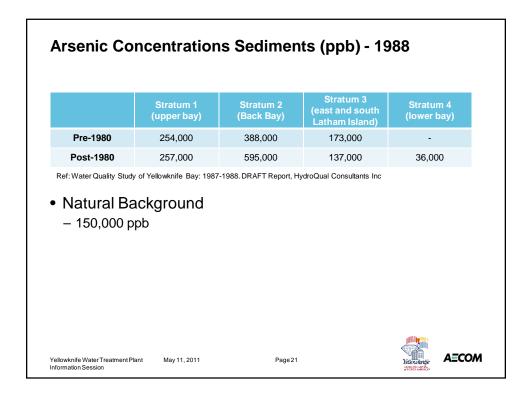


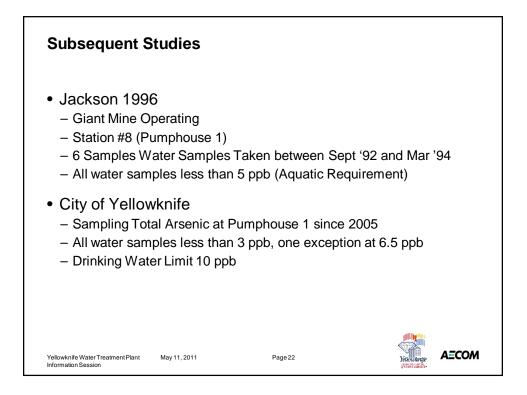


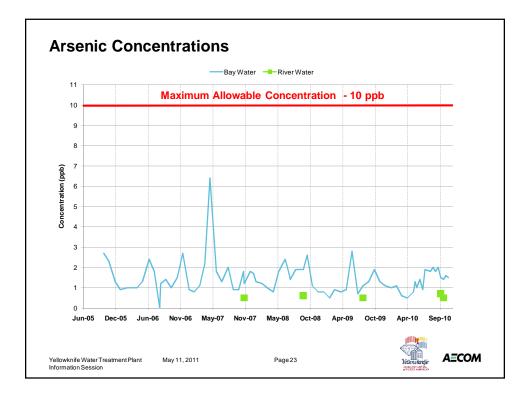


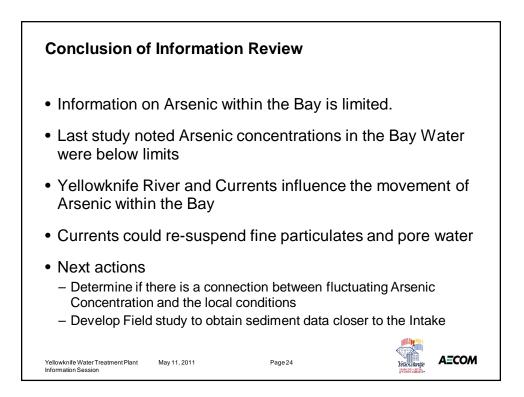


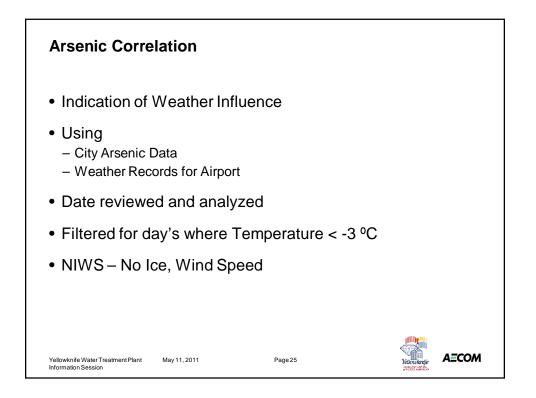
Arseni	Arsenic Concentrations Bay Water (ppb) - 1988							
• Giant	t Mine C	perating						
• Arser	<ul> <li>Arsenic Concentration falls away</li> </ul>							
		Stratum 1 (Upper Bay - ppb)	Stratum 2 (Back Bay - ppb)	Stratum 3 (East of Latham Island - ppb)	Stratum 4 (Lower Bay -ppb)			
Summer	Мах	22	24	12	4			
	Mean	2.65	4.65	2.91	1.25			
Fall	Max	9	6	5	1			
	Mean	3.03	4.81	2.7	1			
Winter	Max	25	26	27	1			
	Mean	2.12	4.86	2.57	1			
Ref: Water Qu Yellowknife Water Information Sessio	Treatment Plant	lowknife Bay: 1987-1988. May 11, 2011	DRAFT Report, HydroQu Page 20	ual Consultants Inc	Vettoukatige AECOM			

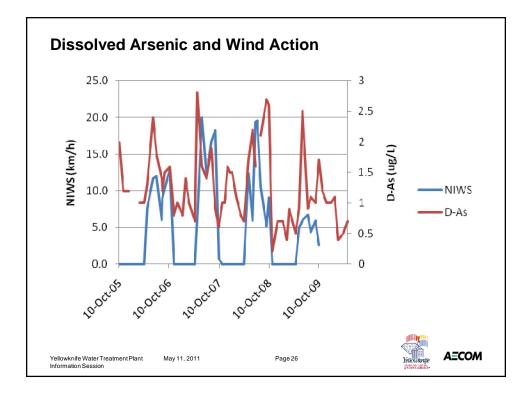


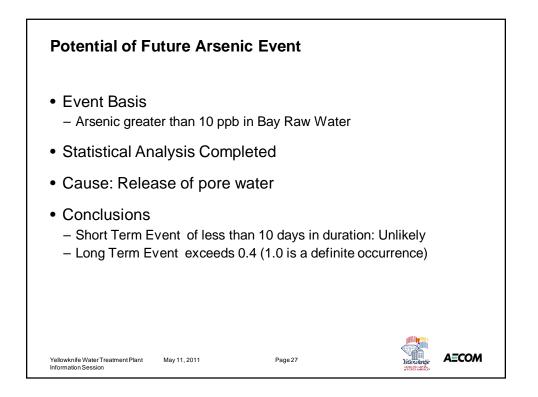


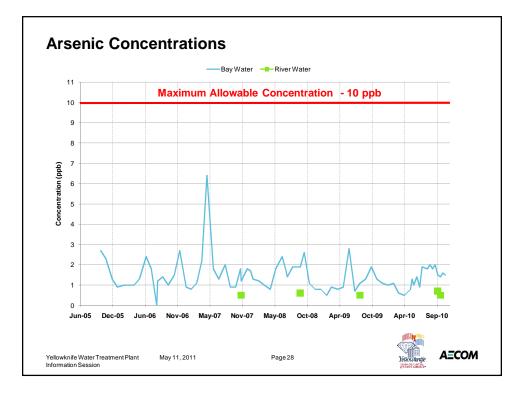












## 2010 Sediment Sampling

- Update sediment concentration around the intake
- 1988 Samples: 173,000 / 137,000 ppb

Sample Location	Water Total Arsenic Concentration (ppb)	Water Dissolved Arsenic Concentration (ppb)	Sediment Total Arsenic Concentration (ppb)
YB-01	1.0	0.93	-
YB-02	0.96	1	102,000
YB-03	0.96	0.89	47,000
YB-04	1.4	1.1	140,000
YB-05	1.1	1.1	81,000
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