

*Cape Breton Regional Municipality*

*Water Utility*

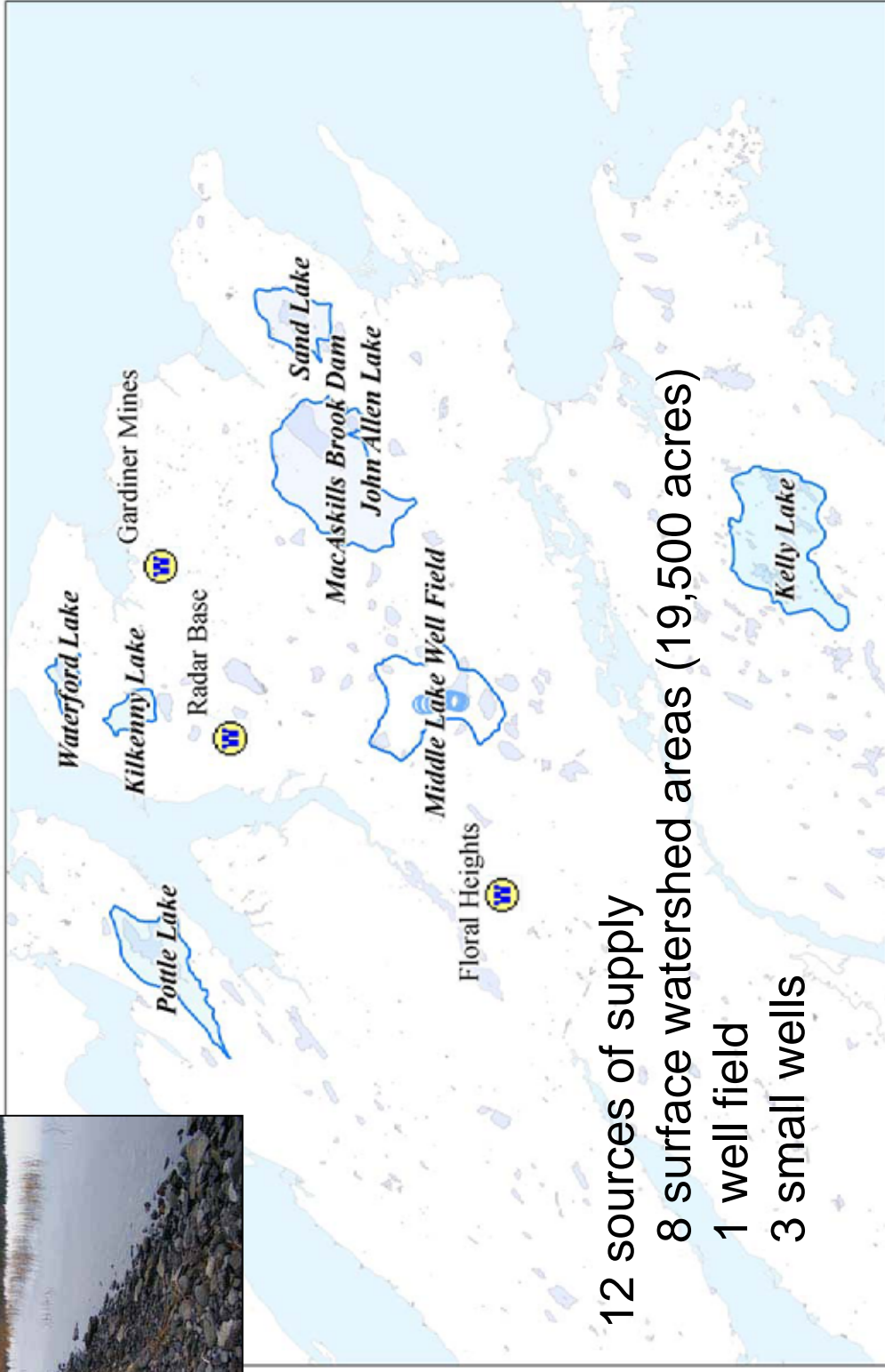
**Watershed Protection**

**Source Water Protection  
Planning 2008/09**



Cape Breton Regional Municipality Water Utility

# CBRM Water Supply Areas



- 12 sources of supply
- 8 surface watershed areas (19,500 acres)
- 1 well field
- 3 small wells



# CBRM Water Utility Statistics

Treatment and Pumping	Source of Supply	Gallons pumped per day	Area Served	Total Water Services	Population
<b>Sydney</b>	Middle Lake Well Field	3,300,000	Sydney, Coxheath, Westmount, Sydney River, Grand Lake Road, Mira Road	9,000	26,000
<b>Glace Bay</b>	MacAskill's Brook Dam	2,200,000	Glace Bay, Dominion, Reserve Mines, Tower Road, Donkin	8,000	21,000
<b>New Waterford</b>	Waterford and Kilkenny Lake	1,500,000	New Waterford, Scotchtown, River Ryan, New Victoria, Lingan	3,550	9,400
<b>Northside</b>	Pottle Lake	3,200,000	North Sydney, Sydney Mines, Northside rural area	6,550	17,600
<b>Louisbourg</b>	Kelly Lake	250,000	Louisbourg	500	1,100
<b>Birch Grove</b>	John Allen Lake	24,000	Birch Grove	110	320
<b>Port Morien</b>	Sand Lake	26,000	Port Morien	160	465
<b>Pine Tree Park</b>	Well	24,000	Former Radar Base	85	250
<b>Floral Heights</b>	Well	5,000	Floral Heights	30	90
<b>Gardiner Mines</b>	Well	2,000	Strang Road area	15	45
<b>SYSCO</b>	Sydney River Dam	2,500,000	Harbourside Commercial Park	5	
<b>TOTAL</b>		<b>13,031,000</b>		<b>28,005</b>	<b>76,270</b>



# 5 Steps to Developing a Source Water Protection Plan



Step 1 Form a Source Water Protection Advisory Committee

Step 2 Delineate the Source Water Protection Area Boundary

Step 3 Identify Potential Contaminants and Assess Risk

Step 4 Develop and Adopt a Source Water Protection Management Plan

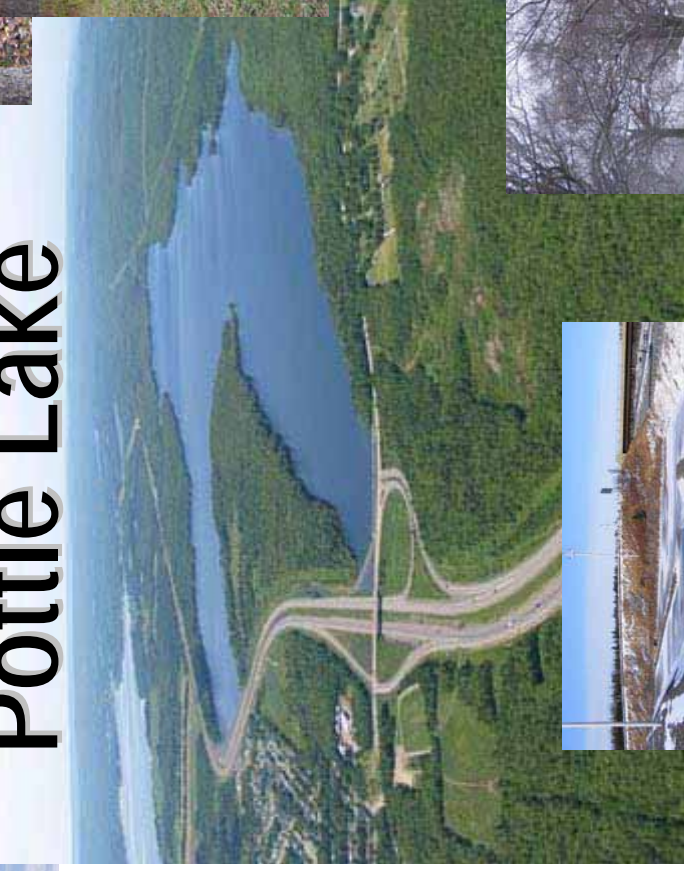
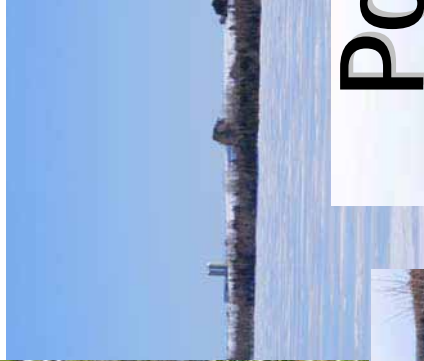
Step 5 Monitor and Evaluate the Plan



# CBRM SWPP Committees

include:  
landowners  
municipal councillors  
CBRM watershed coordinator  
municipal planner  
agriculture sector (dairy and beef farmers)  
forestry sector (New Page)  
community development associations  
fish and game associations  
ATV clubs  
Citizens Against Strip Mining  
CBRM regional police  
NS Natural Resources (forester, geologist, and enforcement)  
NS Transportation and Infrastructure Renewal  
NS Environment (watershed planner and inspectors)  
NS Fisheries and Aquaculture  
DEVCO and ECBC  
Parks Canada (Fortress of Louisbourg)





# Pottle Lake



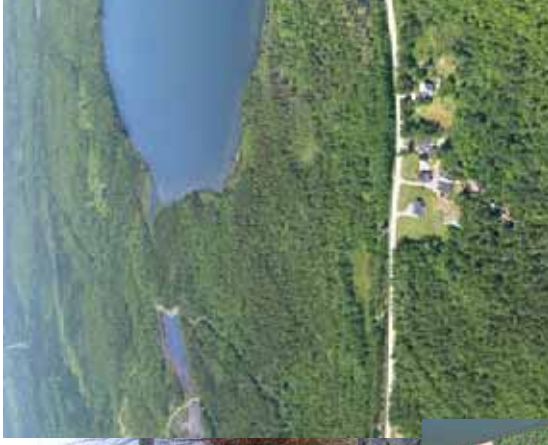


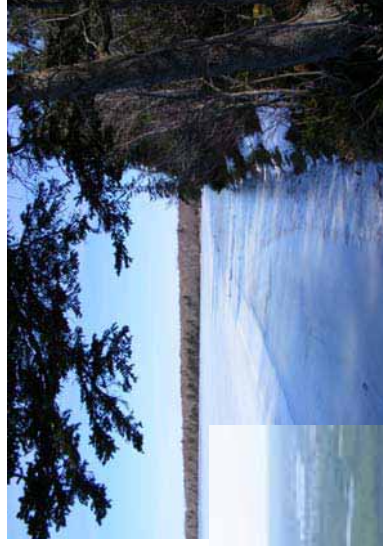
# Kelly Lake



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# Waterford Lake





# Kilkenny Lake



# MacAskills Brook Dam Reservoir





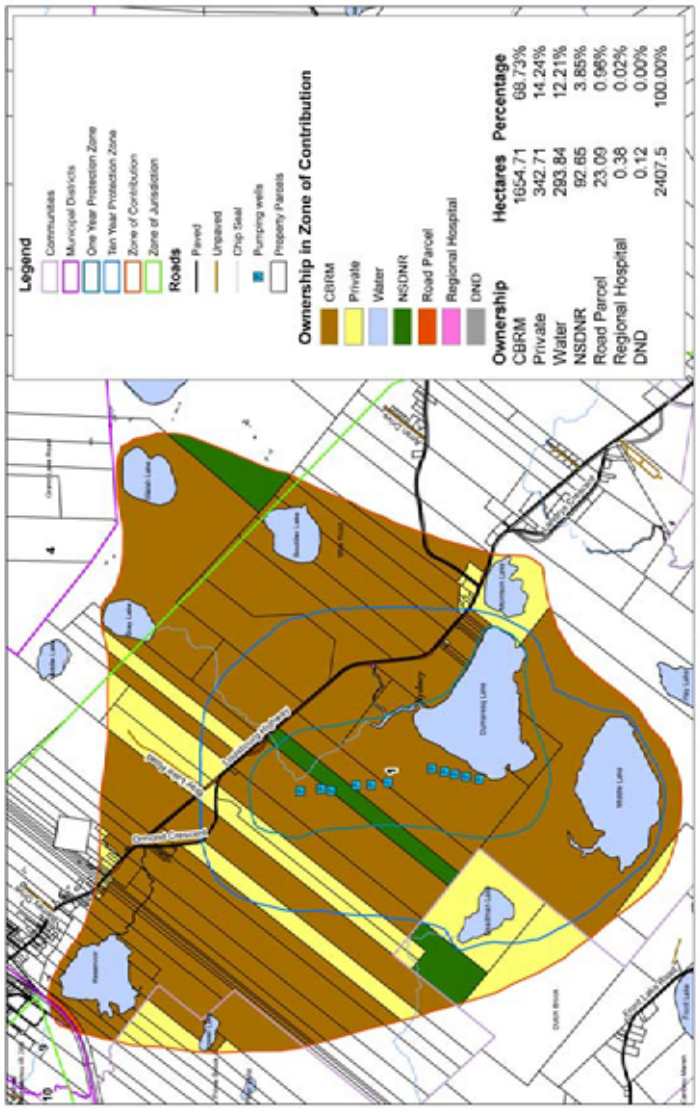
**John Allen Lake**



**Sand Lake**



# Middle Lake Well Field

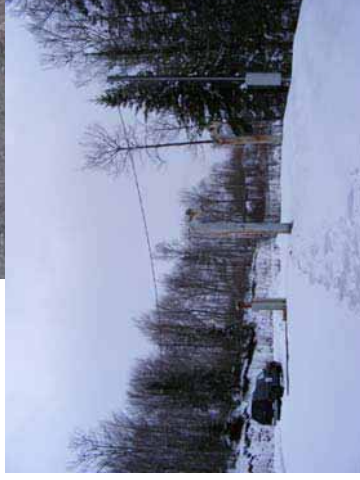




# Gardiner Mines



# Floral Heights



# Watershed Management in Nova Scotia



Ecosystem health must be a priority

Every watershed is a drinking supply  
for some one

Community groups already monitor  
and protect watersheds – support them

Government needs to support monitoring,  
research, education, and enforcement

Forestry, agriculture and mining need to  
use best management practices



# Thank you

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[Go to quick link for water utility](#)

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