

**Emergency
Program**



Green Building Series

‘Building Disaster Resilience In Your Own Backyard’

September, 2013



Topics Today:

- ▶ The Role of Local Government
- ▶ Hazards and Risks in Area “F”
- ▶ Building Disaster Resilience
- ▶ Shelter in Place
- ▶ Back to Basics
- ▶ Neighborhood Emergency Preparedness



What is the RDN Responsible For?



Emergency Management Cycle



Emergency Management Objectives

- ▶ Save lives
- ▶ Preserve the environment
- ▶ Protect property and the economy in the event of an emergency or disaster

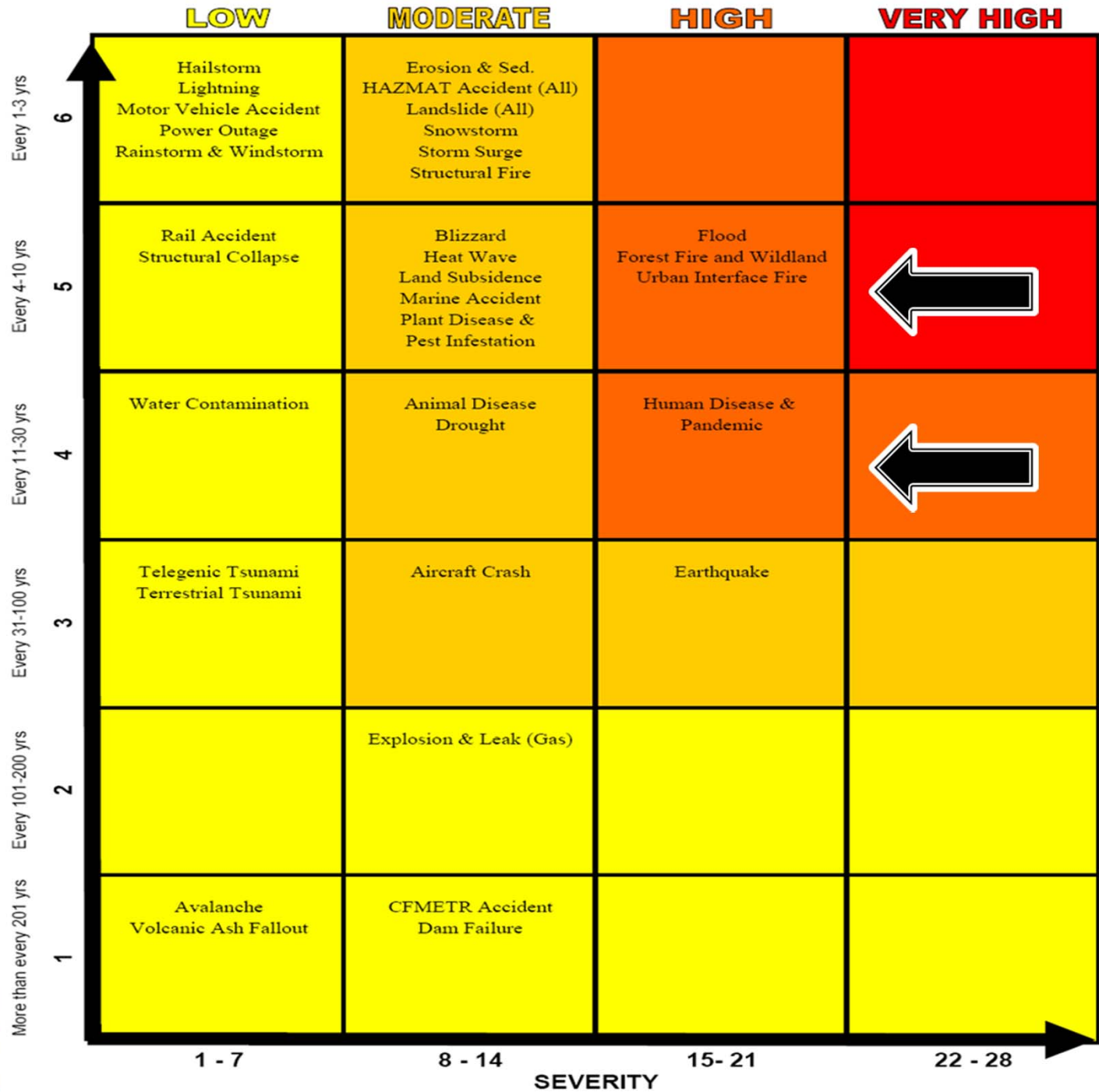


What are YOUR local hazards?

- ▶ What do you think are the biggest risks in Area “F”?
 - Earthquake?
 - Tornado?
 - Hazardous Materials Accident??
 - Wildfire?



HVRA

Wildland Urban Interface Fire



Pandemic/Epidemic

- ▶ West Nile Virus
- ▶ H1N1 (swine flu)
- ▶ H1N5 (avian flu)
- ▶ Human pandemic



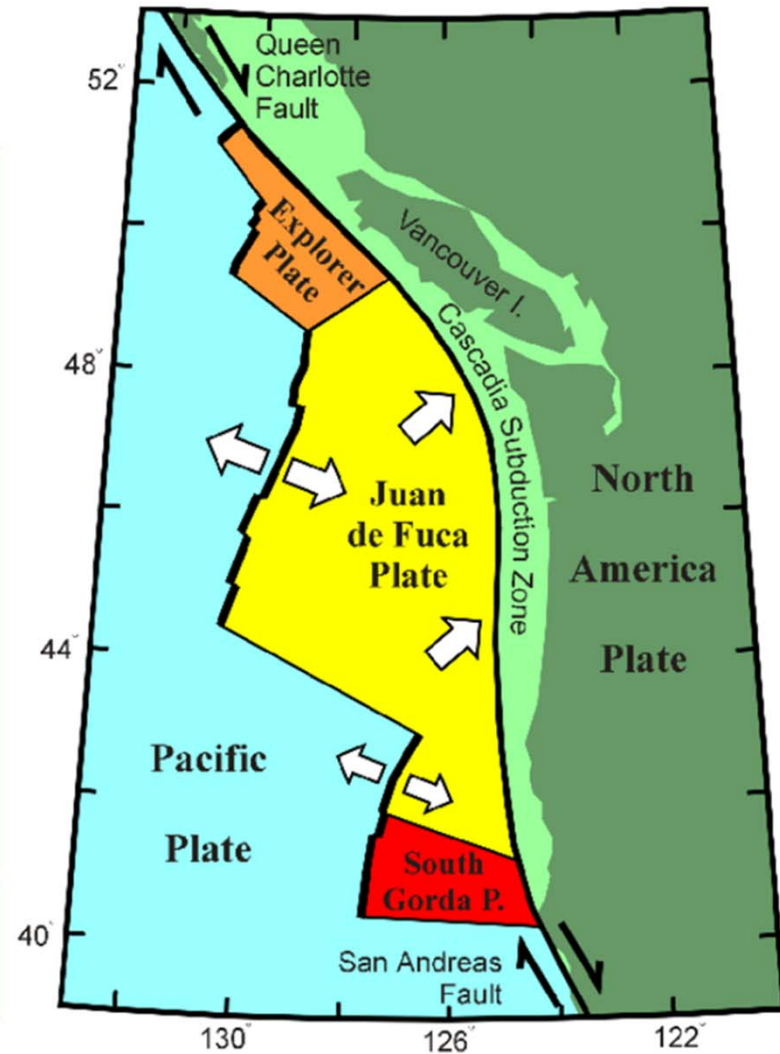
Earthquake

Tsunami advisory

A tsunami advisory was issued for areas along the coast of B.C. after Friday's devastating earthquake in Japan.



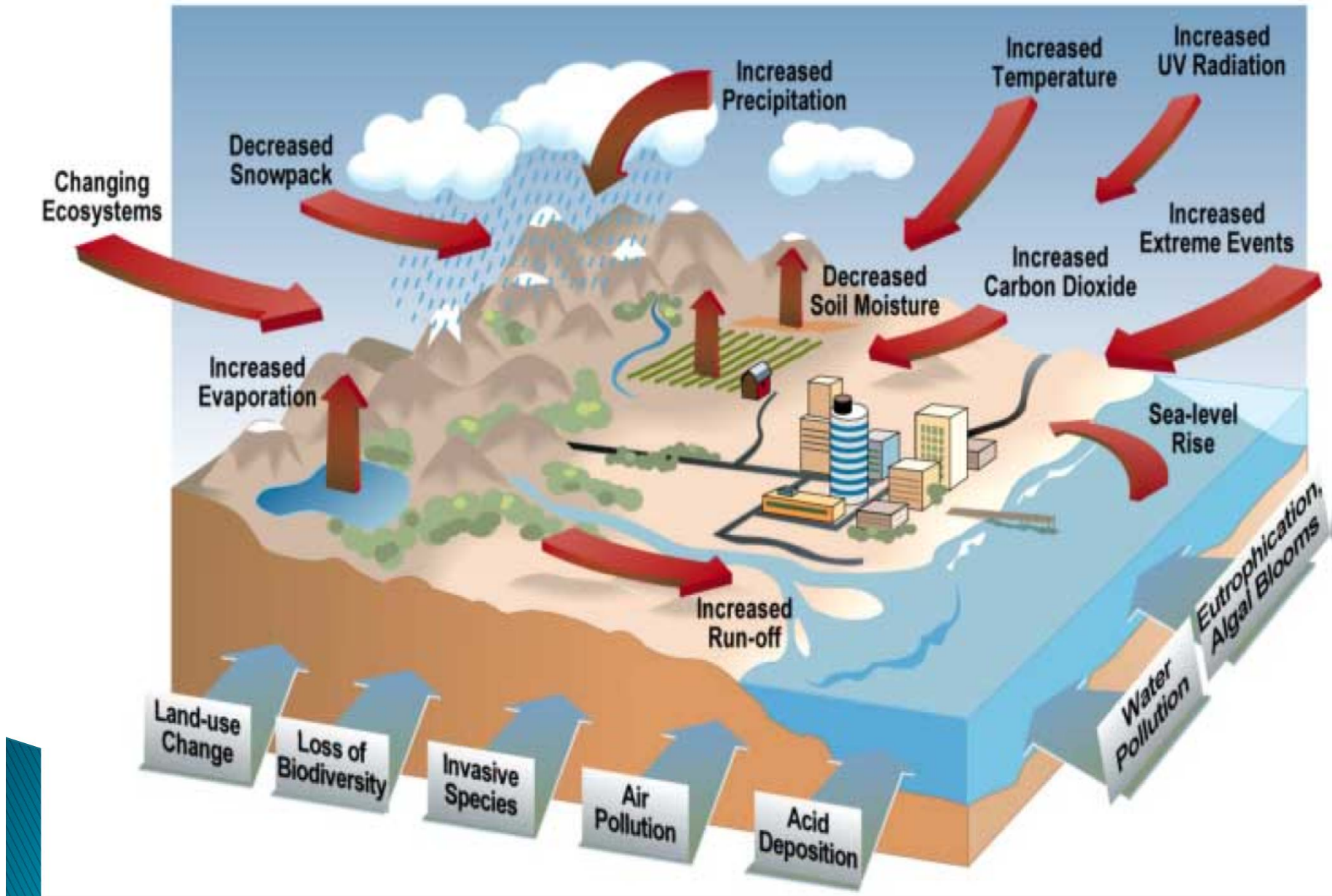
Plate Tectonic Setting of Western Canada



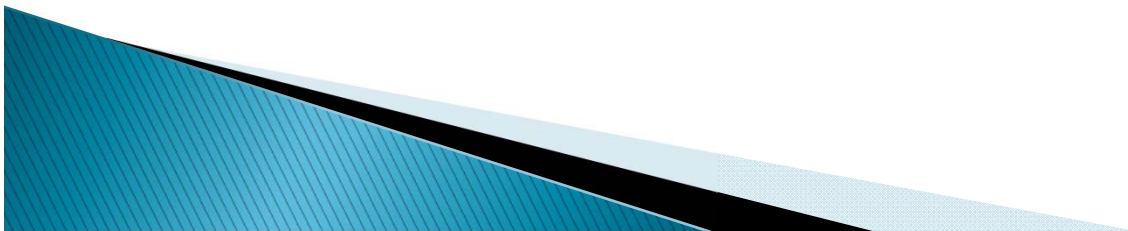
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Geological Survey of Canada - Sidney Subdivision
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Climate Change and Disaster Resilience



If a major disaster
happened
RIGHT NOW,
how would ***YOUR***
family fare?



Disasters DO Happen. Its just a matter of WHEN. *And when they do...*

- ▶ **There is NO next time.**
- ▶ **There is NO second chance.**
- ▶ **There is NO time out.**



When Disaster Strikes....



- ▶ It can happen quickly and without warning
- ▶ It can force you to leave your neighborhood or confine you to your home
- ▶ Local government and relief workers will be on the scene after a disaster, but we can't reach everyone, right away.



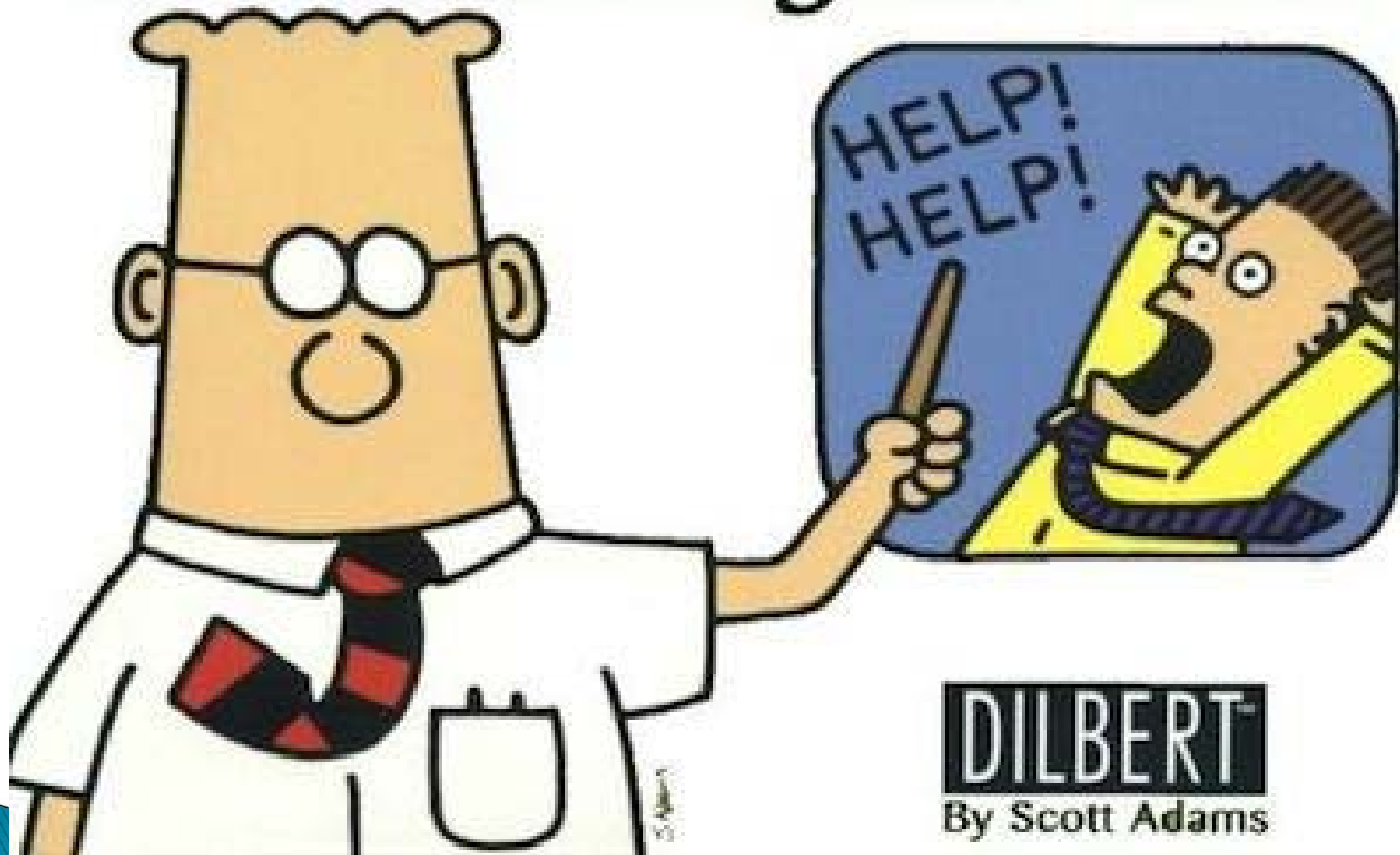
Common Myths About Disasters and Preparedness

- ▶ It will never happen to me
- ▶ Its all insured so I'm OK
- ▶ I'm sure we would all cope
- ▶ You can't plan for the unforeseen
- ▶ If I don't have a disaster I've wasted my money
- ▶ The government will take care of me right away



MYTH BUSTED

Our Disaster Recovery Plan Goes Something Like This...

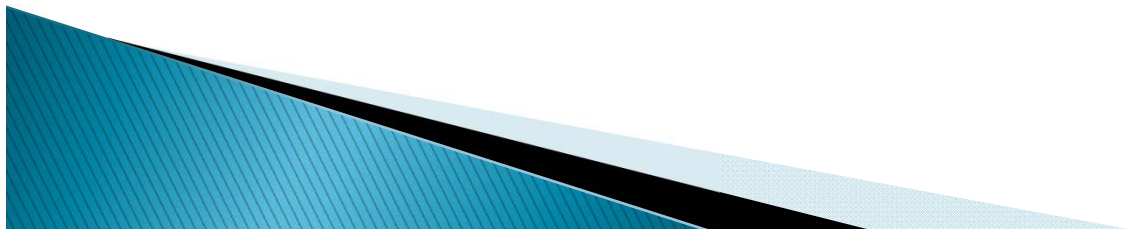


DILBERT
By Scott Adams

And Now for The **GOOD** News!

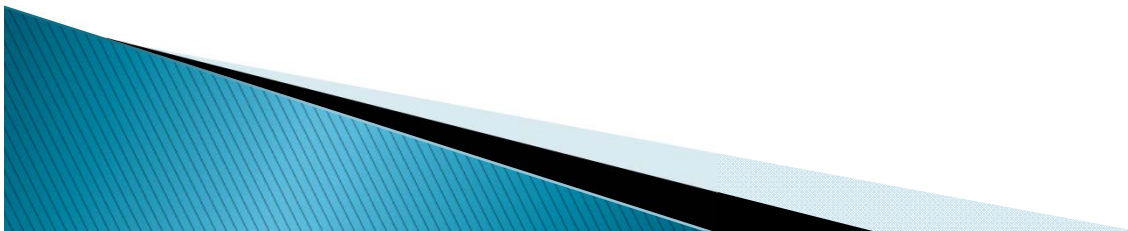


- ▶ Choose **NOT** to be a disaster victim
- ▶ Be **PROACTIVE**
- ▶ Be **EMPOWERED**
- ▶ Be **PREPARED!**



What is Disaster Resilience?

- ▶ “The ability to adapt and change in ways that are proactive, that build local capacity and that ensure essential needs are met”.



All the Comforts of Home...



Back to Basics....



- ▶ 'Happiness belongs to the self sufficient'.
- ▶ *- Aristotle*



Moving beyond tinned food and the 72 hour myth

What's for Dinner?





*Backyard Farming:
Moving toward Sustainability
on an acre or less!*

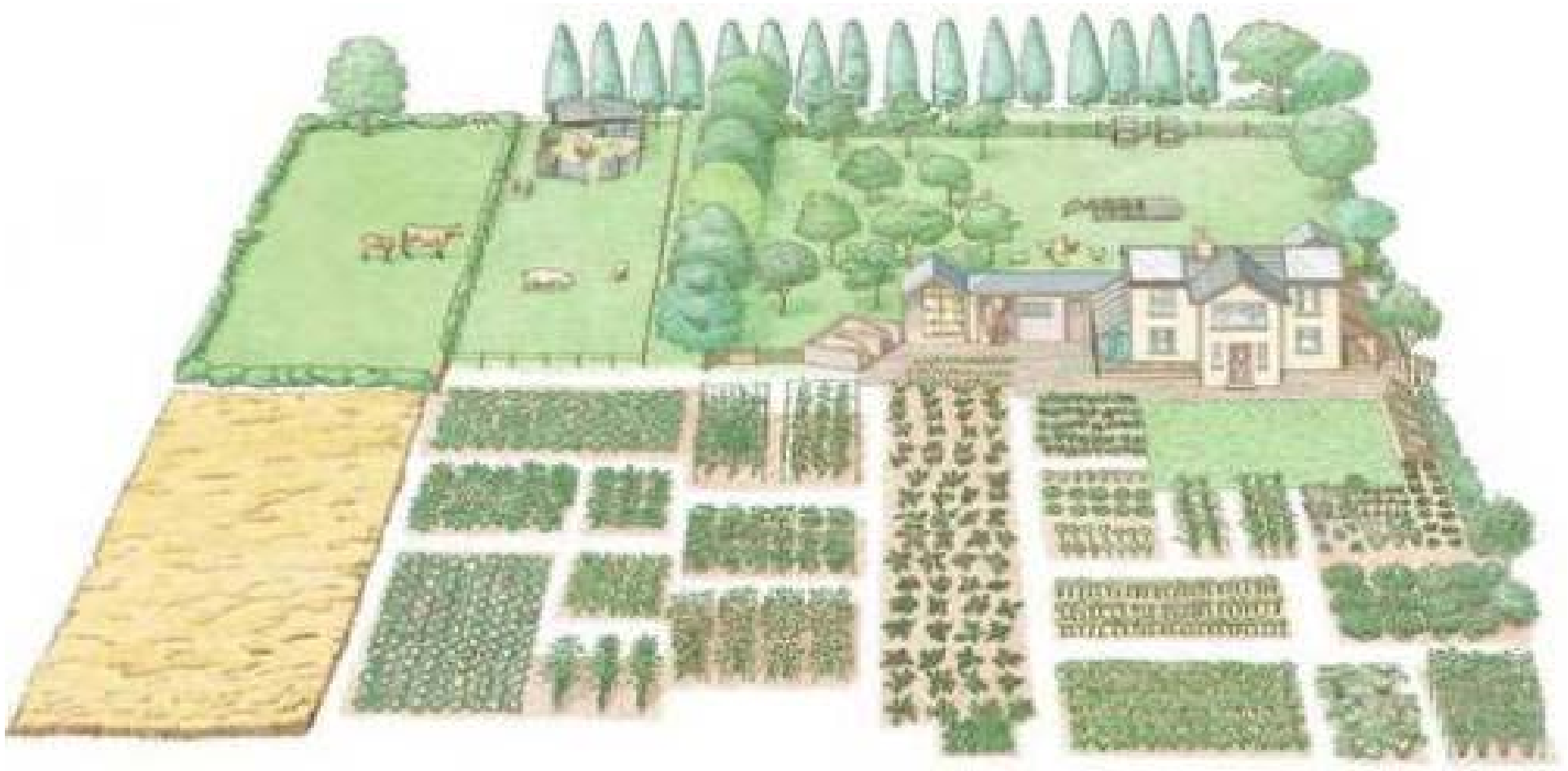


A $\frac{1}{4}$ acre lot, depending on your layout, could produce:

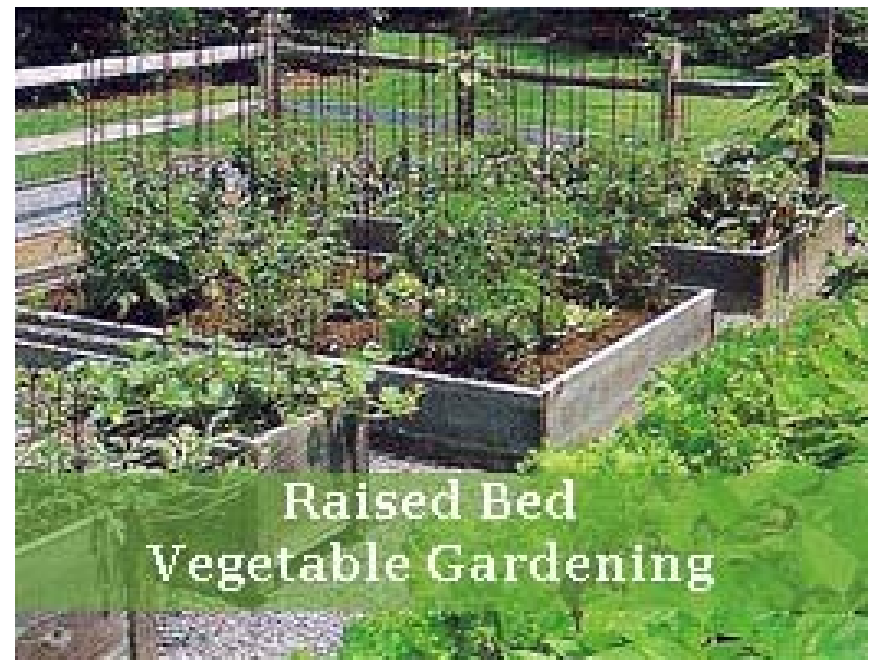
- 50 lbs of wheat
- 280 lbs of pork
- 120 cartons of eggs
- 100 lbs of honey
- 25-75 lbs of nuts
- 600 lbs of fruit
- 2,000+ lbs of vegetables

On a One Acre lot.....

- ▶ You could divide your land into raising livestock and a garden for raising fruits, vegetables and forage crops.



Continuous Growing



Preserving the Harvest



Storing the Harvest

- ▶ Some crops like to be kept dry, some like it moist.



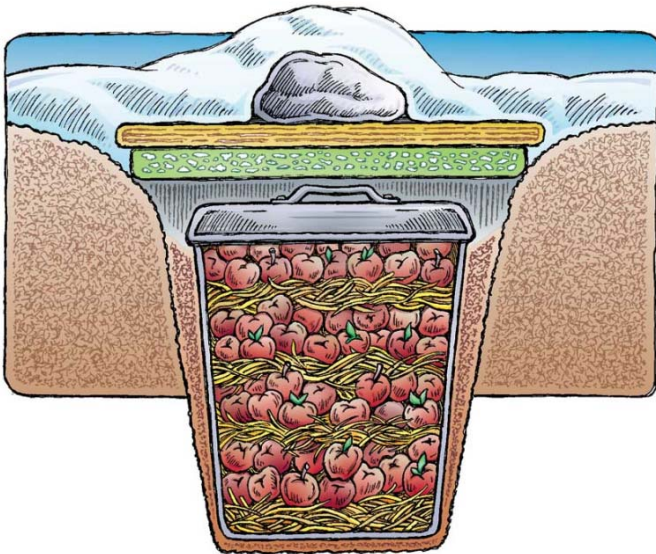
- ▶ **In damp sand:**

- Beets
- Brussels sprouts - on stems
- Carrots
- Celeriac
- Celery – planted in a bucket of damp sand
- Jerusalem artichokes
- Rutabagas
- Turnips

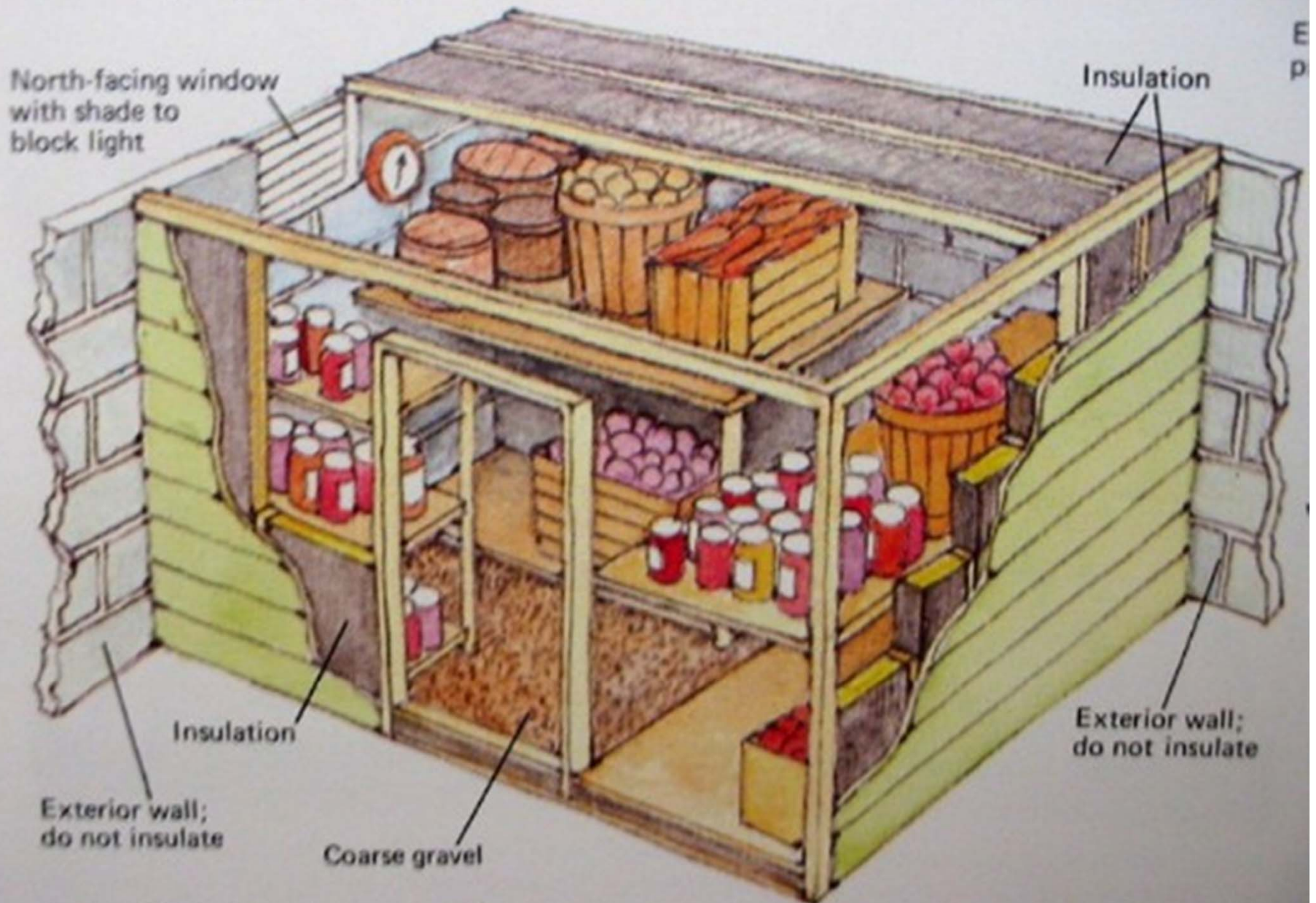
Keep dry:

- Onions – in baskets or braided
- Potatoes – in baskets
- Cabbage - wrapped in newspaper

Storing food is as simple as you choose make it.....



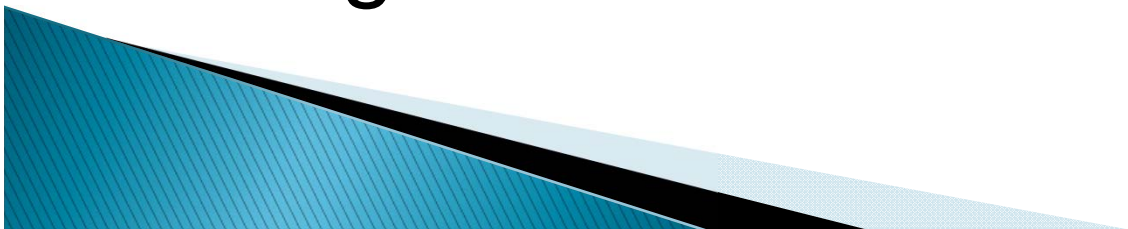
Setting Up a Simple Root Cellar



Basement root cellar is particularly convenient, since produce is near at hand.

The Basic Rules of Food Storage...

- Use what you store, store what you eat.
- Store food that is nutritious, keeps a long time without refrigeration.



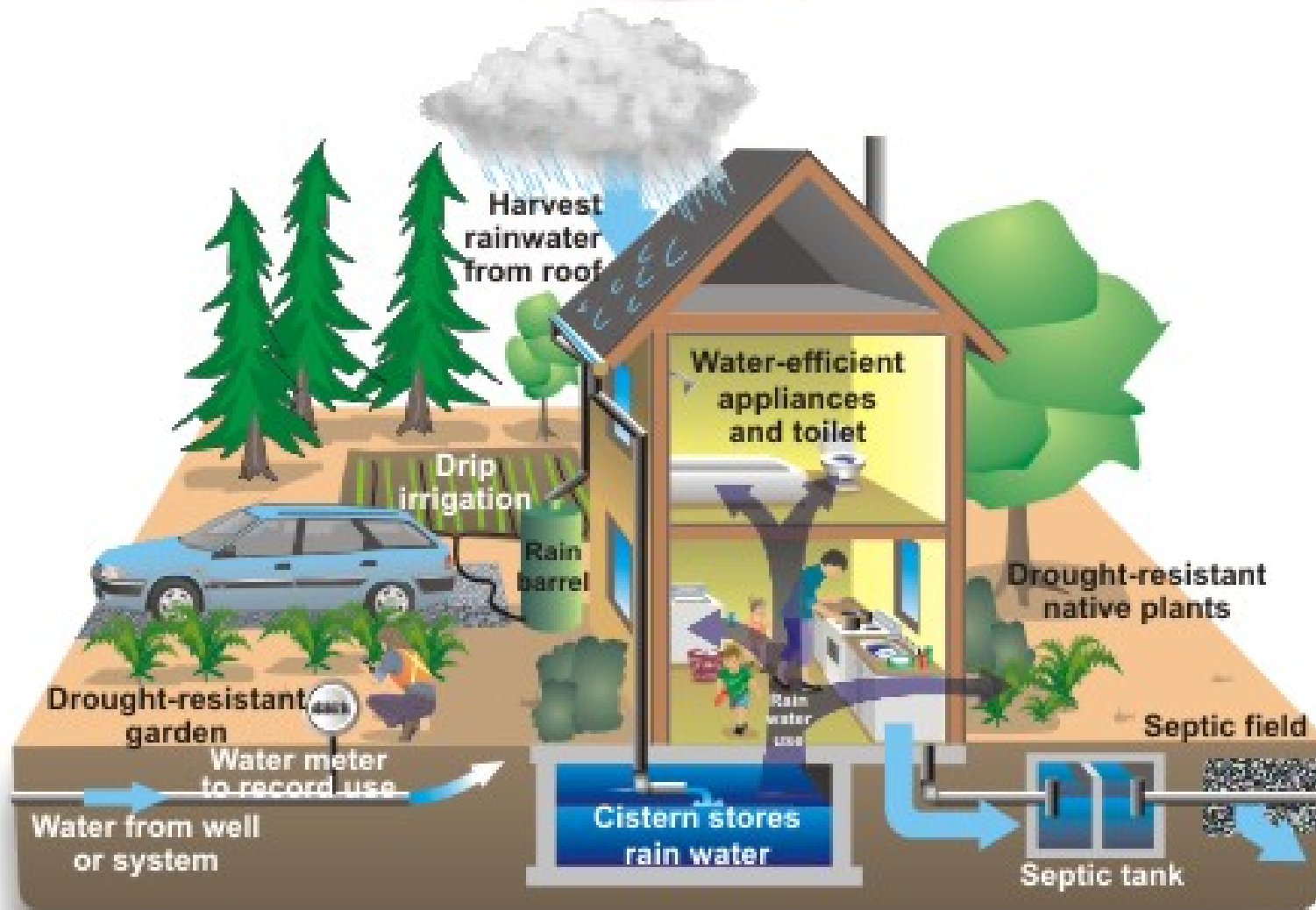
Secondary Energy and Heating Sources

- ▶ Fireplaces can be inefficient - Check out the RDN's wood stove exchange
- ▶ Need incentive? Check out our rebates on:
 - Solar Hot Water
 - Photovoltaic
 - Georexchange (ground-source or water-source)

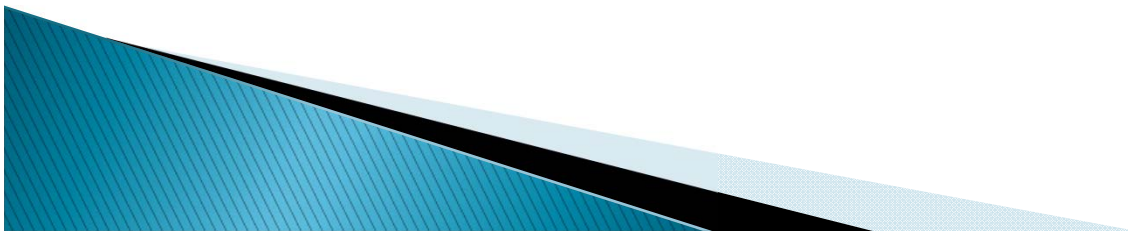


Water Conservation and Storage

The new way—
conservation



Breaktime.....



Doing Your Part



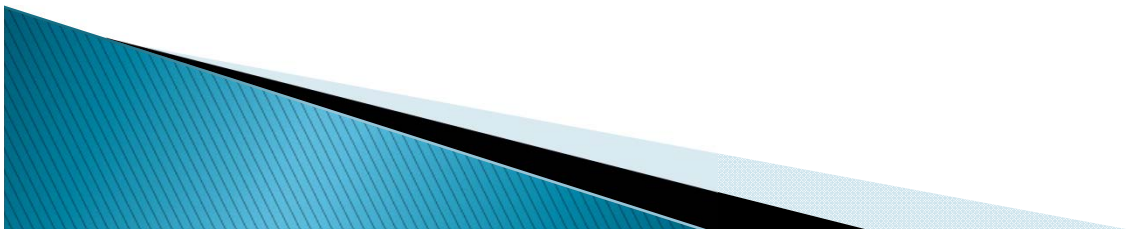
- ▶ Have a Grab'n'Go bag in your vehicle
- ▶ Have a Family Emergency Plan and PRACTICE it
- ▶ Put together home emergency supplies – rotate
- ▶ Establish meeting place, re-unification plan
- ▶ Establish out-of-province contacts
- ▶ Plan for pets, livestock, elders, those with varying levels of abilities



Neighborhood Emergency Preparedness



- ▶ Learn how to:
 - Minimize existing hazards around your home
 - Acquire and store emergency supplies
 - Prepare for evacuation from your home or neighborhood
 - Have out of province emergency contacts
 - Identify necessary skills/resources within your neighborhood
 - Conduct a neighborhood hazard hunt



Questions?

BeReady@rdn.bc.ca

or

250-390-6541 or 1-877-607-4111

