NATIONAL SAR PROGRAM OVERVIEW



AEMA Summit Nov 4-5 2013 Presented by Jacqui Bannach, NSS



Outline

- Canada's search and rescue environment
- National Search and Rescue Program
- National Search and Rescue Secretariat

Lac du Sourd, Qc

Current Initiatives







Canada's search and rescue environment

Commercial activities

Aviation:

- >10 million aircraft movements
- Increased use of polar routes
- Heightened activity in support of Northern and economic development



The Frontenac on Lake Frie

Maritime:

- Over 23,000 registered Canadian fishing vessels
- > 2 million tourists arrive annually by sea
- Increasing vessel traffic in Arctic





Canada's search and rescue environment (cont'd)





Recreational activities

- 60,000 pilots flying 30,000 aircraft from 2,000 airports
- 23 million visitors annually to Canadian National Parks
- 6 million recreational boaters
- Outdoor sports/recreation
 - 2% of GDP or 70B/yr





Canada's search and rescue environment (cont'd)





Demographic and environmental change

- Aging population; more missing person searches for those with dementia and Alzheimer's disease
- More interface between search and rescue and emergency preparedness (e.g. extreme weather events, natural disasters)



National SAR Program – Components



Management and coordination

- Developing plans and policies
- Coordinating programs and initiatives
- Centralized SAR data collection
- Measuring performance and reporting results
- Supporting internal and external communication services

Response (domain based with reliance on multijurisdictional approach)

- Saving lives and minimizing injury; setting & meeting service standards
- Ensuring missions are well-coordinated and interoperable
- Adapting response capabilities and options to changing environment

Prevention (intersection of regulation, enforcement, and education)

- Educating public and industry to reduce frequency & severity of incidents
- Achieving safety through regulation and enforcement
- Providing fundamental safety data (e.g. weather forecasts; nautical charts)



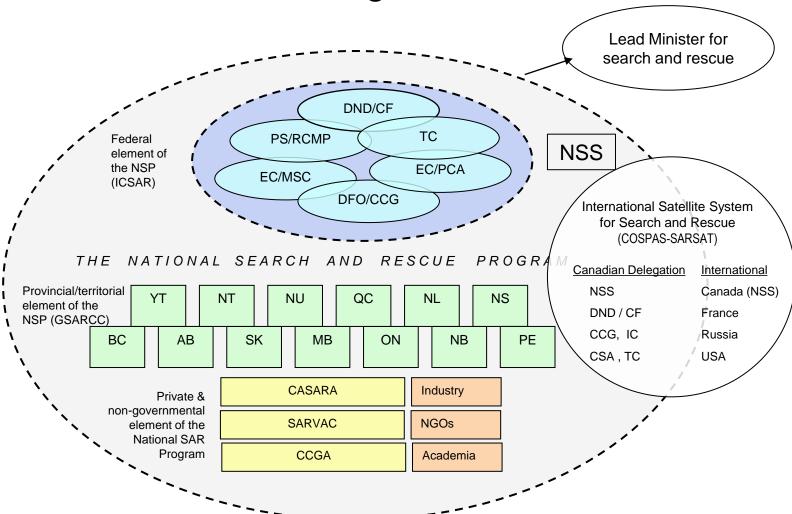
Management & Coordination



- ICAO/IMO Conventions
- International SAR Satellite System Treaty (COSPAS-SARSAT)
- Provincial Emergencies Act and/or Police Acts/Agreements
- Interdepartmental Committee on SAR (ICSAR)
- Ground SAR Council of Canada (GSARCC)
- National Prevention Working Group
- Northern Round Table



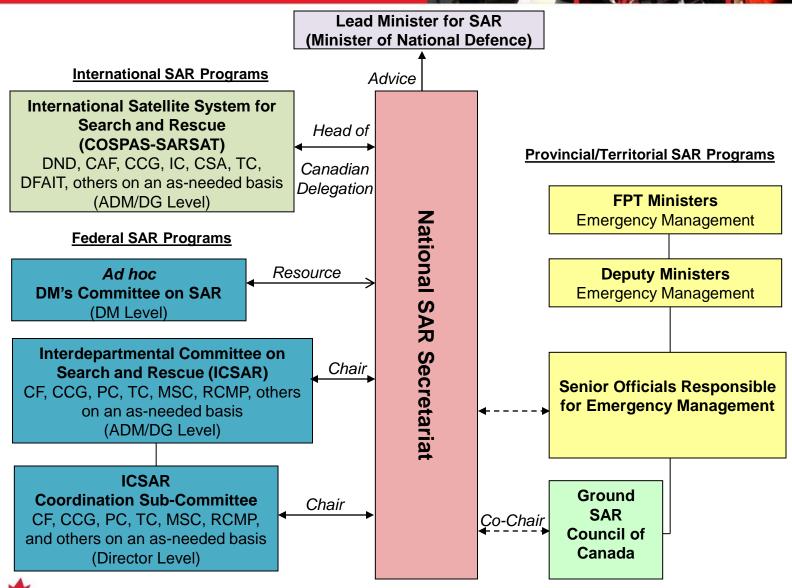
National SAR Program - Partners





SAR Relationships





NSS Role

Management and Coordination



- Coordinates the National SAR Program and leads the development of policies, strategic directions, annual plans and priorities
- Provides independent advice to Lead Minister
- Chairs the Interdepartmental Committee on SAR (ICSAR) and cochairs the Ground SAR Council of Canada (GSARCC)
- Head of Canadian delegation for the International Satellite System for Search and Rescue (COSPAS-SARSAT) Programme
- Manages the SAR New Initiatives Fund (8.1M) contribution program
- Development of Knowledge Management System



Communications and Outreach



Communications and Outreach

- SARSCENE annual conference
- National SAR Program SAR Awards of Excellence
- SAR Prevention
- Interoperability tools and techniques
- Best practices



SAR Response

SAR response to **aircraft incidents** anywhere in Canada

SAR response to **marine incidents** in tidal and international waters (oceans, Great Lakes, St. Lawrence)

SAR response to **ground and inland** water incidents

Legend

- Federal resource
- Provincial/Municipal resource
- Volunteer

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SEARCH AND RESCUE	RECHERCHE ET SAUVETAGE	
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Primary	Secondary
➤ Canadian Armed Forces	 Civil Air Search and Rescue Association (CASARA) Police force of jurisdiction Canadian Coast Guard Search and Rescue Volunteer Association of Canada (SARVAC) Canadian Coast Guard Auxiliary (CCGA)
➤ Canadian Coast Guard	 ➤ Canadian Armed Forces ➤ Canadian Coast Guard Auxiliary (CCGA) ➤ Any multi-tasked Federal aircraft or vessel ➤ Police force of jurisdiction ➤ Search and Rescue Volunteer Association of Canada (SARVAC) ➤ Vessel of opportunity
 ▶ Provincial/Territorial responsibility generally delegated to police force of jurisdiction ▶ Parks Canada within National Parks 	 ➤ Search and Rescue Volunteer Association of Canada (SARVAC) ➤ Canadian Armed Forces ➤ Canadian Coast Guard ➤ Civil Air Search and Rescue Association (CASARA) ➤ Canadian Coast Guard Auxiliary (CCGA)
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National SAR Program



Mutual Aid – Multi-Jurisdictional Response







28 October 2007 Cessna – Golden BC 15 July 2013 Griffon crew rescues lost child – ON

10 January 2008 Helicopter – St. John's, NL

Missing Persons (2012) - 60,000 - 5000

*police stats not included for most jx

Federal Incidents (2012)

Aeronautical - 1042
Maritime - 6622
Humanitarian - 862
Outside Cdn AOR - 1189
National Parks - 1800



CISARIS



Current National SAR Program initiatives



Government of Canada

National Search and Rescus Secretariat Gouvernement du Canada

Secrétariat national Recherche et sauvetage



English

Français

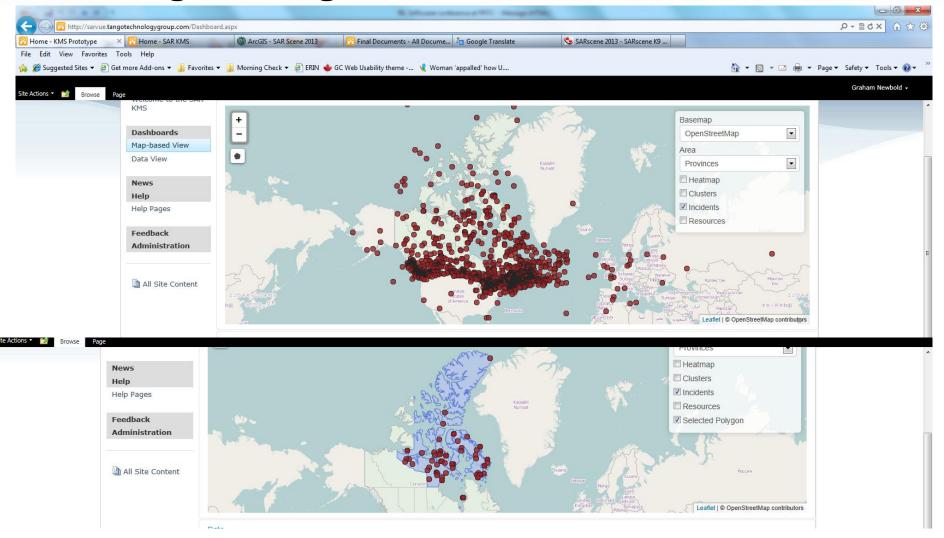
Canada

Important Notices

Avis importants



Knowledge Management







Current National SAR Program initiatives

- National GSAR training standard
- GSAR and alternate alerting device protocols
- MEOSAR
- Joint Exercises





SAR Prevention



- Safety is Shared individual responsibility societal/industry responsibility government responsibility
- Evidence Based investigation methodology
- Balanced Approach
 education
 regulation
 enforcement



Evidence Based



Investigation

- Transforming Knowledge to Action
- Awareness leads to Behaviour Change
- Maximize impact Subjects, Activities, Locations (SAL)

Methodology

- Early Intervention
- Peer interaction
- Multi-faceted approach





Saving Lives through...

- informing decision-making
- mitigating risk
- changing behavior

Utilizing

- focused messaging
- broad public awareness
- targeted outreach





Education

- Common Messaging
- Customized delivery
- Capacity building





Regulation

Sometimes encouragement needs teeth...

- Effective
- Efficient
- Enforceable





Enforcement

Sometimes teeth need a badge....to compel behaviour

- impaired operation
- safety equipment
- access and use restrictions
- registration/licensing





AdventureSmart

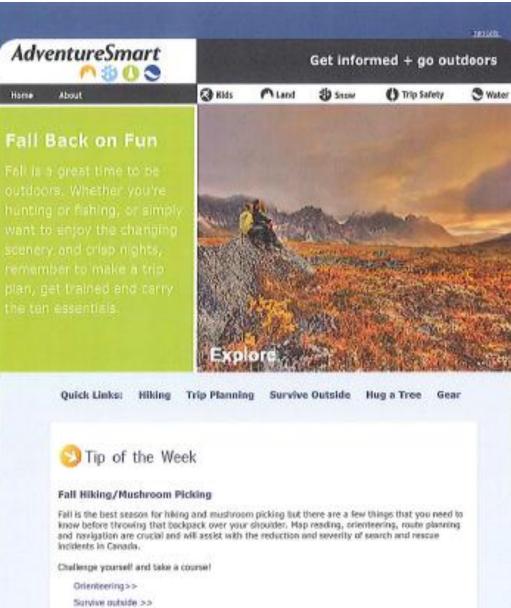
- Key messages, developed globally, delivered locally.
- Targets the willing with easy to find, easy to use information
- Can be tailored to any location, any activity, any subject
- Highlights the importance of trip planning, training and taking the essentials.





Broad Public Awareness – on line





Bear serety>>



Get informed + go outdoors

· Keep signaling devices within reach. Stay current on self- and assisted-rescues.

hypothermic in minutes.

· Never paddle alone.

· Learn basic navigation skills.

other boating and water safety

Learn to swim well - especially fullyclothed. Chilly waters can render you

Transport Canada, the Canadian Coast

Guard, Canadian Coast Guard Auxiliary and

organizations provide "FREE" safety checks

of your boat at your invitation. A qualified

with you the safety equipment required by

any deficiencies identified. There are no

penalties for missing equipment and no

limit to the number of checks you can

professional will board your boat and review

law. Other equipment will be inspected and

request. Arranging for a check every spring

Paddling



- > paddling
- > sailing
- > windsurfing
- > surfing
- > fishing
- > boating > SCUBA divino
- > ice safety
- > cliff jumping > water health

Canada's vast coastlines, amazing lakes and winding rivers are a dream to explore by canoe, kayak or raft.

Ocean paddling requires knowledge of ocean currents,

weather patterns and how to survive a storm. River



- Take a safe boating course and make sure all your gear is in good shape.
- · Check the weather forecast and be prepared for it to change
- Be visible. It is especially difficult for power-driven vessel operators to see canoes/kayaks. Choose bright colours - red, yellow or orange - for your PFD and canoe/kayak.

The Right Gear

The 10 Essentials

Trip Plan left with responsible person PFD (Personal Flotation Device) or

lifejacket Helmet for kayak surfing, rafting, and white water.

Proper clothing including a dry suit, wet

suit or other cold water gear Extra clothing

Spray skirt Throw bag

Paddle float Bilge Pump

Spare paddle or blade Dry bag

Maps and map bag Lights for nighttime VHF Radio

Sunglasses

From world-class whitewater, to a whale of an encounter, Canada's amazing waters are yours to explore!

Cool Links

GENERAL Office of Boating Safety Tides, Currents, and Water Levels VUKON Yukon River Quest Race

is a good idea.

On line trip plan – laptop, mobile and tablet friendly

Broad Public Awareness – On site





















Targeted Outreach





Hug a Tree and Survive,

Snow Safety Education, Survive Outside

and Survive Outside Snowmobiling

Common Look and Feel:

Consistent messaging and format, customizable aids

Can be targeted to key areas of need -



demographic, geographic or activity specific





Quadrennial SAR Review



Process

- May 2013 Minister announces inaugural Quadrennial SAR Review
- National SAR Secretariat engages SAR stakeholders in Review
- July 15 SAR Forum in Ottawa
- Public engagement



National SAR Program – Challenges



- Sustainability of Canada's SAR system and associated infrastructure and relationships.
- Rapid changes in technology, climate and demographics must be met with assessment of risk and adaptability to plan capacity, response and prevention activities
- Multi-jurisdictional integration and alignment to achieve seamless SAR
- Supporting and protecting volunteers



Quadrennial SAR Review



Observations – QSR Questionnaire and SAR Forum

- Data management and performance measurement
- Communication, coordination and interoperability
- Volunteers
- Prevention





Volunteers and Value: 18,000 - Integral part of NSP

- Leveraging capacity and coverage in response
- Leveraging national approach, consistent messaging and local delivery in prevention
- Protecting volunteers and minimizing liability
- Organizational sustainability
- Raising awareness and profile of volunteers helps support recruitment, retention and recognition





The National SAR Program: Many jurisdictions, one horizontal program





Questions?