



PARA Marine Search and Rescue

682 Hillview Crescent
Pickering, ON L1W 2R7

www.paramarinesar.ca | info@paramarinesar.ca



2023 Annual Operational Report for the Region of Durham

1. Key Performance Indicators:

KPI	Unit	2023	2022	2021	2020	2019	2018	2017
Operational Metrics								
Safety	#	0	2 (a)	1	0	1	0	0
Vessel Availability	%	92.82	96.37	96.89	99.39	93.75	95.75	96.66
Response time	Min	9.79	14.48	17.51	23.18	12.53	21.37	11.0
SAR Missions	#	27	31	34	38	15	27	14
Membership (maximum 50)	%	96	74	86	96			
Volunteer Commitment								
Community Service (Total)	Hours	6,206	5,339	4817	3,039	8,400	7,705	8,940
Taskings (outside of Patrols)	Hours	220	387	271	401	79	375	83
Patrols	Hours	2,314	2,468	2531	0	3401	3880	4105
Maintenance	Hours	1,143	302	246	305	316	414	342
Training	Hours	1,373	1,058	1008	1171	2110	1726	1787
Administration	Hours	645	470	675	468	1282	744	1629
Community Development	Hours	581	448	70	387	1229	566	994
Community Financial Support								
Operational Funding (Durham Region)	\$	73.6K	66K	63.5K	59.8K	52.5K	43.4K	41.9K
Other Funding (grants, service agreements, service fees, donations in kind)	\$	38.8K	118K	52K	63K	80K	53K	50K

2. Vessel Operations

- In service from mid May through mid November.
- Typically, patrols are conducted from Victoria Day weekend to Thanksgiving weekend during weeknights and weekends.
- The unit was on call 7x24 for the in-service period.
- CCGA COVID-19 protocols have been removed entirely.

3. Return on Investment:

- Actual 2023 Operations budget from Durham Region = \$74,000
- Potential Budget: For every \$1 spent on supporting the unit, it would cost an estimated \$37 for a staffed equivalent organization. (\$37 x \$74,000 = \$2.7M)
- Potential Labour: Community Volunteer hours in total average (8000) to be the equivalent of approximately 4 FTEs labour cost (annual approximate cost = \$400,000)
- Estimated Total Savings = \$2.7M + \$400K - \$74K = \$3.14M

4. General Observations

- Response time was on average 9.79 minutes (20.5 when not on patrol), faster than the previous 3 years.
- Patrol hours have been reduced from 10-hour shifts to 7-hours on weekends. Additionally, the taskings this year were relatively short in duration resulting in a lower over all total than previous non-covid years.



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- c. Continued increased number of people participating in water-based activities with all types of watercrafts from traditional boats (sail and power), PWC, fishing boats, human power (canoes, paddle boards, kayaks) to inflatables and other beach craft.
 - d. Notable tasking missions included:
 - i. An increase in the number of small vessel taskings (i.e. personal water craft)
 - ii. a 42-hour search for a solo sailor from Frenchman's Bay, Pickering. Efforts were not successful in finding the individual. Other assets involved included RCAF (Hercules and Griffon crews), CCG (Prescott, Cape Rescue, Cape Mercy and Kelso crews), DRPS, CASARA (our air equivalent) as the CCGA unit in Grimsby, GAMRU.
 - iii. One patrol Monday while supporting the Canadian International Airshow in Toronto, the vessel was re-tasked to search for a person in the water, then later a vessel on fire of Bluffers Park in Scarborough, and finally to assist a vessel off Whitby. 4 Operational taskings in one day.
5. Training
- a. On water training conducted from July through to October.
 - b. Our regular training programs, to support Transport Canada and CCGA qualification, resumed in Spring 2023 and October 2023
6. Vessel Maintenance
- a. Winter 2023: Major electrical upgrade was completed. Replacement outdrive, DC air conditioner unit was purchased and installed. Forward cabin storage was overhauled and replaced with a new design. Minor preventive maintenance tasks were completed to ensure safety and code compliance.
 - b. Winter 2024: Major preventive maintenance is planned for the engines and outdrives.
 - c. Given the age of the vessel and engines, there is an increasing trend to address higher maintenance effort and costs.
 - d. We are continuing to focus on preventive maintenance activities to ensure vessel readiness and availability levels.
 - e. It should be noted that we were not successful in getting a significant level of other income this year to help cover these costs. Consideration for maintenance budget increases is requested.
 - f. Regarding a potential new vessel, initial discussions have been started with potential boat designers and builders.
7. Community Development
- a. General Community Activities: Events are back to a regular preCovid schedule. The unit participated in:
 - i. Pickering: Easter Parade, Canada day, OPG Community events, Remembrance Day presence, Santa Claus Parade, Fire Safety Day was cancelled.
 - ii. Ajax: Canada Day, Remembrance Day presence, Santa Claus Parade, Fire Safety Day was cancelled.
 - iii. Whitby: Canada Day, Remembrance Day presence, Santa Claus Parade
 - iv. Other: Toronto International Airshow, TRCA – Celebrate the Humber
 - b. Business Community
 - i. The unit has joined both the Pickering / Ajax Board of Trade (APBoT) and the Whitby Chamber of Commerce (CofC) with the intent of raising our profile within the business community.
 - ii. Sponsored a hole in the local Pickering / Ajax golf tournament.
 - iii. Sponsored a hole in the local Whitby CofC golf tournament.



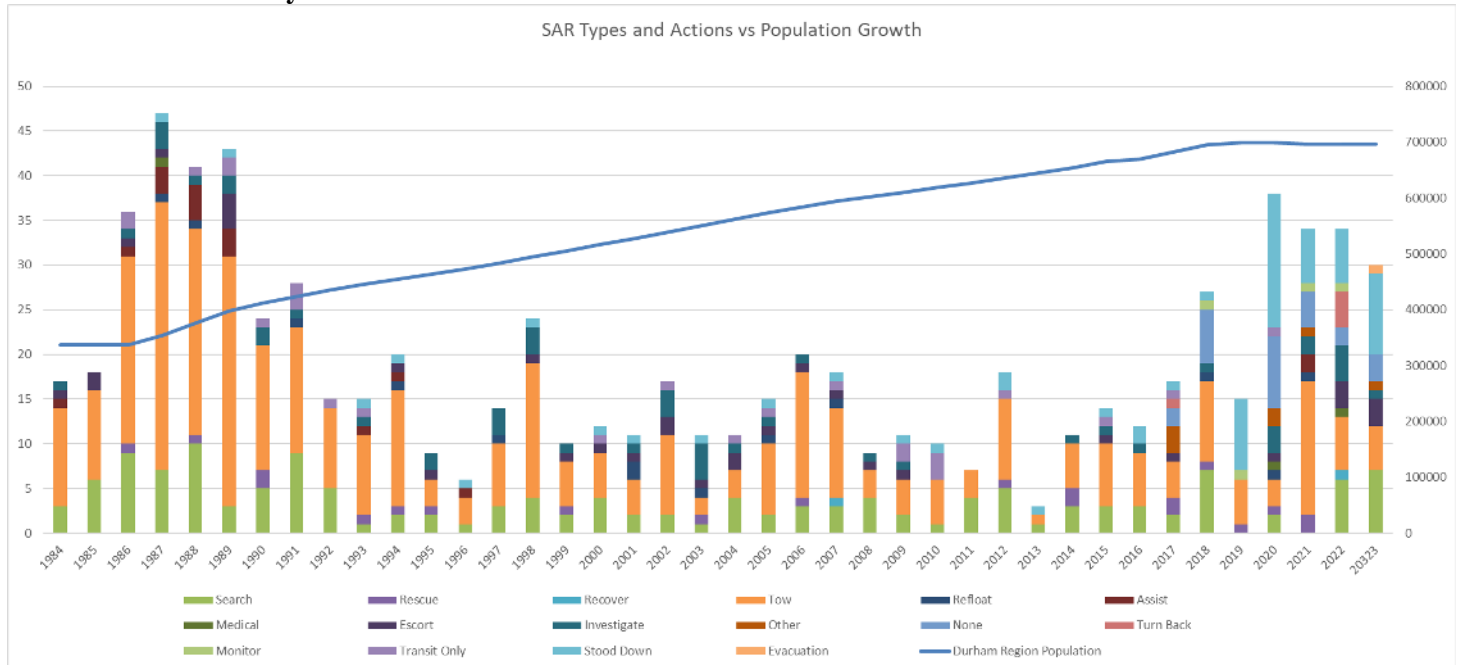
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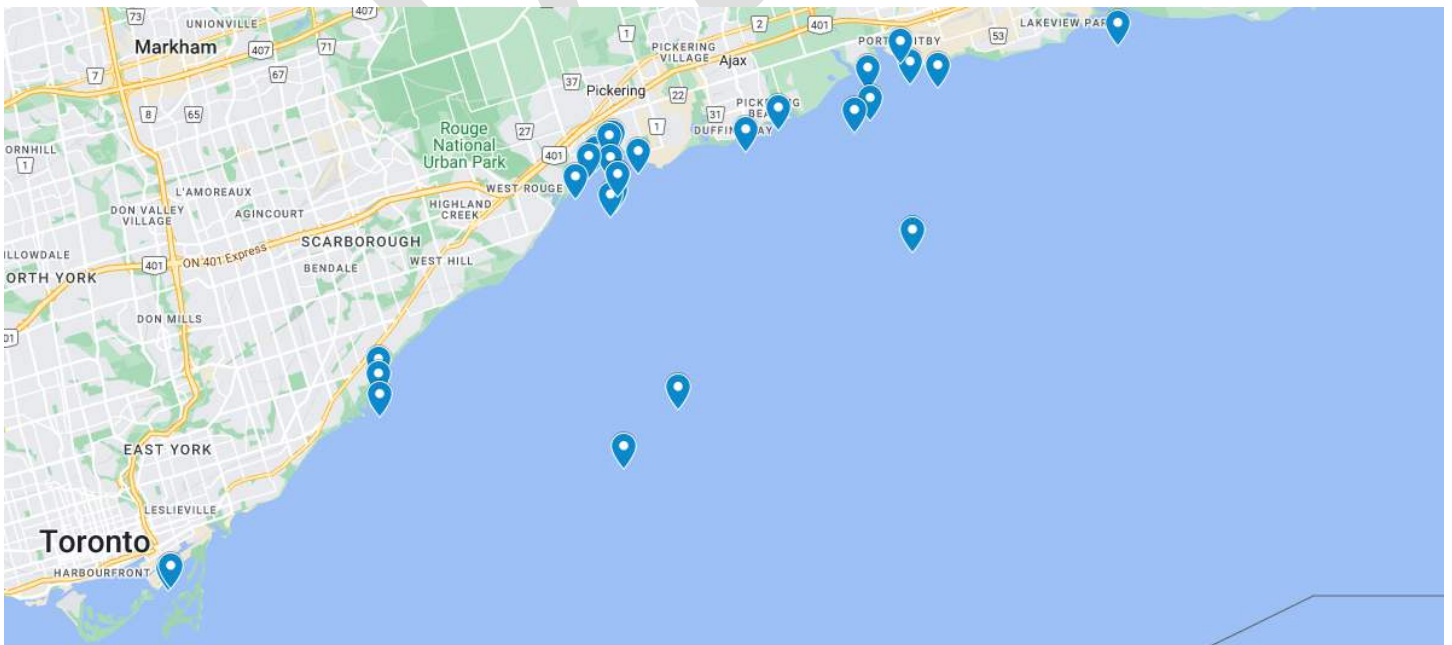
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APPENDIX A – Yearly Statistics as of 2023



2023 General Tasking Locations (top) and Area Coverage for 2021-2023 (bottom):

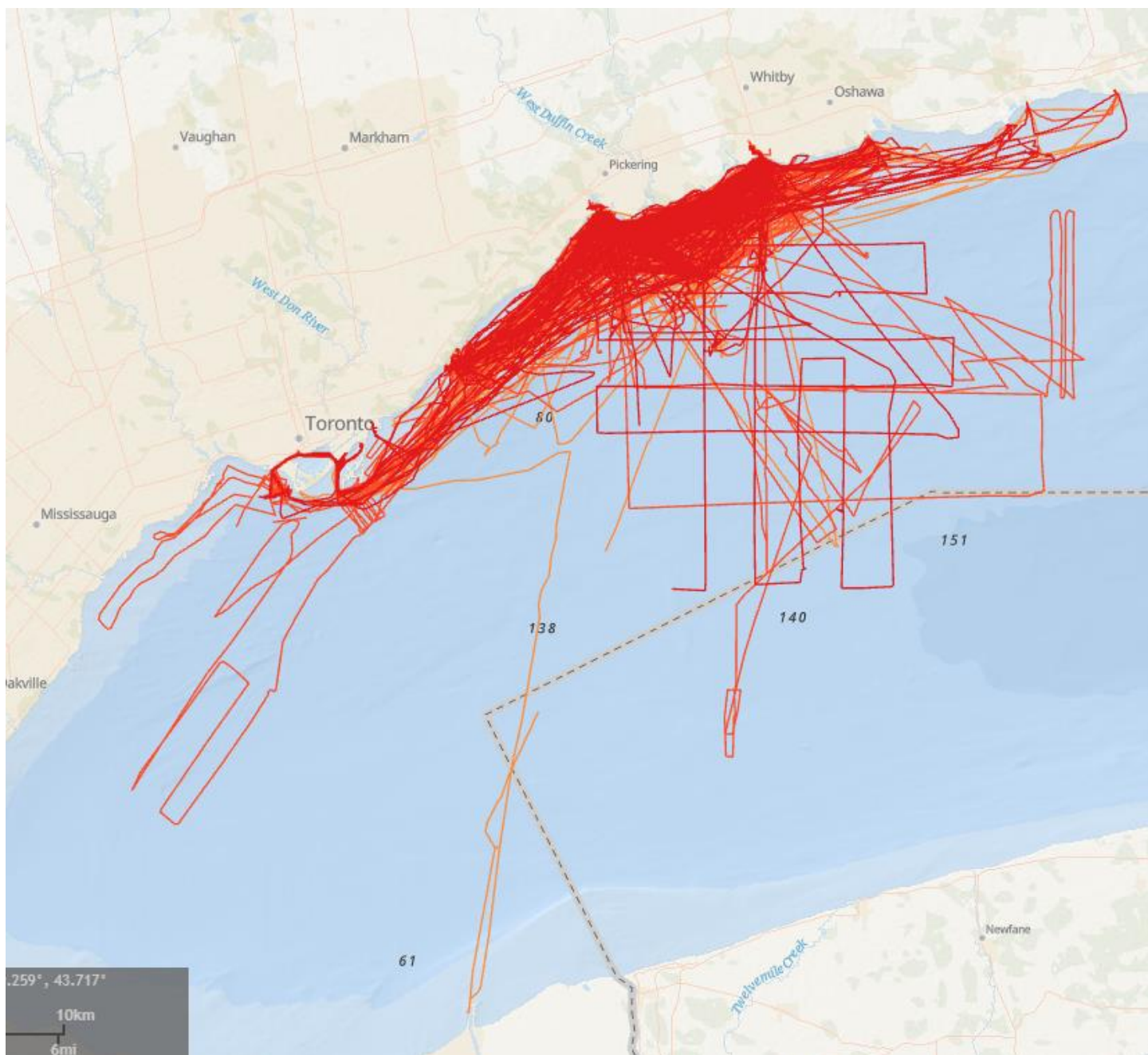




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Volunteers providing excellence in marine search & rescue since 1967