



The Role of the Recreational Angler in Fisheries Monitoring, Research and Management Identifying information gaps and research needs for different systems (research is different than monitoring)		Research	, ⊸Ē
Identifying information gaps and research needs for different systems (research is different than monitoring)	The Role of th Monitorin	e Recreational A g, <u>Research</u> and I	ngler in Fisheries Vanagement
Providing funds and in kind support for research Reality check – most "lake specific" issues are not appropriate for graduate student thesis research	Identifying informative research needs for (research is differed Providing funds ar support for research Reality check – mod issues are not app graduate student t	ation gaps and r different systems ent than monitoring) nd in kind ch ost "lake specific" ropriate for hesis research	

Manageme	nt 🧩 🖻
The Role of the Recreation Monitoring, Research	al Angler in Fisheries and <u>Management</u>
Participating in consultation proc management councils	esses and fisheries
Ensuring angler behaviour and ge regulations	ear is consistent with
Informing other anglers of rules a practices	and best handling
Practicing selective harvest and r status of angled fish	maintaining the welfare
Adopting the code of practice for	recreational fisheries











Carleton	Angler Surveys	×
Components of	an Angler Survey	
Starting up - Ob and ethical	ojectives, cost, type, time considerations	-frame, team, legal
Sample selection survey estin	on - Influence the accurac nates, how, when	y and precision of
Data collection materials, q	 Letters, forms, protocol uality control 	s, training
Data manipulati software/da	ion and analysis - Analyti tabase management, ana	cal plan, lytical input
Reporting - Syn	nthesis is writing	
Iterative proces	s - revisit and revise	

Carleton	Survey Types	,
<u>Off-site</u> – surve often basee (license file	eys conducted away from fishing s d on sampling from a list of anglers e)	ites, S
Examples… - mail - telephone - internet - door-to-de - diaries an	e oor nd logbooks	
<u>On-site</u> – base places and	ed on sampling from a list of fishing I times	1
Examples… - access po - roving cre - aerial surr	oint creel surveys eel surveys vevs	

Carleton	Survey Types	,
<u>Off-site</u> – surv often base (license file	eys conducted away from fis d on sampling from a list of a e)	shing sites, anglers
Examples… - mail - telephone - internet - door-to-de - diaries an	e oor 1d logbooks	
<u>On-site</u> – base places and	ed on sampling from a list of t I times	fishing
Examples - access po - roving cre - aerial sur	oint creel surveys	surveys







Car	eton Angler Diaries and Logbooks کی النظامی Angler Diaries and Logbooks
Cook desig Onta	e, Dunlop, MacLennan, & Power. 1999. Application, an, and implementation of angler diary programs in rio. OMNR SSS Technical Report #111.
Revie	ewed 46 diary programs in Ontario from 1979 to 1997
<u>Obje</u>	ctives of Angler Diary Studies
78%	Data on CPUE/harvest
74%	Biological data (size)
15%	Presence/absence
15%	Supplement creel survey data on lakes with low effort
13%	Involve anglers in fisheries monitoring
9%	Document fish movements
7%	Evaluate stocking program
7%	No clear objective





















	Creel Surveys	×.
Design and analysis experts in fisheries s stratify sampling by	requires extensive statis surveys if data are to be u time, day, location	stical input from useful - important to
Costly (requires veh	icles, boats, and people)	
Access point surv can be conducted sites diffuse (e.g.,	reys tend to be safer than at night but do not work v cottagers and docks)	roving surveys and well when access
Roving surveys be to accommodate a associations)	est when a fishery occurs access point design (e.g.,	at too many points cottage
Roving surveys ev	ven more complex than ac	cess surveys

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