VIII. APPENDICES

Appendix 1

FISH MORTALITY NOTIFICATION/INVESTIGATION LOG FOR 199 - Region	tigators Location Source Pollutant Fish Kill Status	
FISH MORI	Investigators	
	Date Inve	
	No.	

SUPPLIES AND EQUIPMENT NEEDED

A. Available for Use During Field Investigation(s):

- 1. A copy of this manual.
- 2. A copy of your Region's contingency response plan and roster.
- 3. Topographical maps.
- 4. Camera and film.
- 5. Field notebook and fish kill investigation report forms.
- Waterproof marking device(s).
- Tags and/or labels (label tape) to identify collections.
- 8. Sampling containers for water and wastewater samples: plastic and glass (half gallon and/or gallon).
- 9. Aluminum foil.
- 10. Water sampler(s).
- 11. Plastic bags for fish samples.
- 12. Ice chest and ice.
- 13. Thermometer.
- 14. DO measuring capability (preferably a DO meter or kit for Winkler determination).
- 15. pH measuring capability (preferably a portable pH meter).
- 16. Chlorine measuring kit (DPD method) and other available field kits.
- 17. Hand lanterns.
- 18. Dip net and minnow seine.
- 19. Enamel pan (for observing macroinvertebrates).

Appendix 2 - continued.

- 20. Protective gloves.
- 21. Formaldehyde for preservation of fish and insects along with suitable containers (plastic vials and bottles).
- 22. Cutting instrument (for opening abdomen of fish).

B. <u>Personal Gear:</u>

- Sun glasses (polarizing lenses).
- Hip boots and/or waders.
- 3. Rain gear.

C. Available in Regional Office:

- Access to secure refrigerator and freezer.
- Lab pH meter, if field meter is not available.

FISH KILL NOTIFICATION FORM

Complaint received by:	
Date: Time:	
Caller's name (original complainant):	
Address:	
	Phone:
Other agencies notified or on scene:	
FISH KILL DETAILS	:
When did the kill start? Date:	Time:
Is the kill over, or continuing	
Where is the kill? County	
Name of stream or lake	
USGS Quadrangle	
Extent of area affected. Miles	or Acres
Nature of the kill: Natural causes suspicious circumstances (explain, including po	, or suspected toxicant or other ssible source, amount spilled, etc.)
·	
Numbers of fish killed	Species
Additional information, followup, field inspect	tion, etc.
Multiplier Tilotimetoli, Tottoner, 11113 market	•

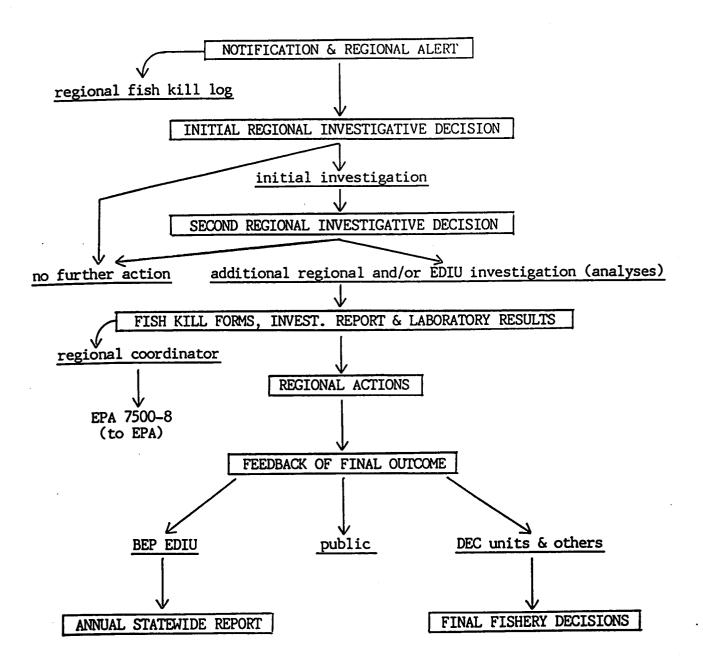
NYS DEPARTMENT ENVIRONMENTAL CONSERVATION FISH KILL FIELD INVESTIGATION FORM (use one form/station)

Investigator			
Water	County	Date Time	
Location/Sta. No			
Water Conditions:			
Clear	Foam	Water temp.	
Turbid		PH	
Muddy	Odor		
Color	Sludge	Other	
Scum	Sewage fungus		
Water Sample(s):			
Ferimate of fish ki	e(s) collected: Yes		
	Size range		
Progription of fish	: alive dead		
	ent		
Whitish patche	s sores	hemorrhages	
Frogs (tadpoles), t	curtles: affectedn	onaffected none see	en <u> </u>
Other remarks			
Invertebrates kille	ed:		
_	affected:		•
MTTGTTTC\ MG CCT TOMT	W		

•							l arm	Approved OMI	I No. 2040	0087 Approval express 5-31-89
			United St.	Wist	virunmental P ungton, DC 20	rotection 0460	n Agency		(1	For OWRS Use Only)
^ -	ΩΛ							\		ĺ
シヒ	:PA	F	Report	of	Pollutio	on-C	Caused	ļ.		
	Fish Kill or Abnormality						l		· '	
								1		0.0
1 Lincater	is (N.11111) of his	dy of water, latitu	de langtin	r)						2. Date of Kill or Abnormality
										,
		10					4.6	- 4-	C D. N.	Deleties Wass Const.
3. Nearest Town/Range/Section/County 4. State/ZIP Code 5. Public Drinking Water Sup										
1 765 C NO										
	_		L Estuary	-					3, 5. 5.5	J.C. 110.7
	im/canal 🔲		Octan/	yull	i					
Lake		Other (specify)			J					
8, Has a k	ill or abnorm	ality been observ	ed at this s	te befo	re? 🔲 Yes	□ N	o 🛮 Don'i kn	юw		
9. Primary	Land Use(s) a	t Site of	10. Cause(of Kill	or Abnormalit	Y :			11. Spec	ific Pollutant(s)
Kill or A	bnormality:	ì	☐ BAC	eria/viri	uses	(Radionucleider			
☐ Aor	cultural	ł	Cya	nides an	d Phenois	(Sedimentation	/Silting		
☐ Inde			☐ Inor	ganic Ch	emicals (Metal	s) [Temperature			
☐ Mir	ning		☐ Mia	ed Chem	ocals	(Turbidity			Ì
	ice/shopping		☐ Nut	rents		_	Unknown		1	Ì
Res	sidential		Org	anic Che	micals	(Other (specify)	t.		
☐ Siiv	vicultural			gen Delo						
□ Urb	n a n		Pes	i cides. I	Herbicides, Etc]	
w.ı	idland			etroloum (Oil and Grease)				1		
	ver (specify)		□рн				•••		<u> </u>	
	e(s) of Pollutio									
	recultural Appli			_	and Disposal-N			_		nbined Sewer
_		Vaste Operations			and Form Alter				ensportatio	
	ualic Wead Tre			_	and Treatment	(Effluent	(Disposal)			Air Truck Barge or boat
		d/Bridge, Other)		_	Mine Drainage				ban Runol Nown	f
D 04				_	Pipeline Rupturi			=	hknown ther <i>(kst)</i>	
□ Ero				_	Power/Energy (-	•	٥	iner (#SI)	
	Irophication			_	Power/Energy I					
		Calegory in item 2	,	_	Sewage Treatm Sewage Treatm					
	reverse side)				sewage treatm Sewage Treatm					
	galion iul Disposal-Ini	dugra al		_	Sewage Treatm Selvicultural Ope		PHOSIY			
		of Fish Killed	14 5		tal Number K				16.50	cies Affected/Est. No. Each
	Game		15. Sever							icate il rare/endangered)
Fish	Commercial		□ 10·		Heavy 🔲	Moderat	e 🗆 Light	•		
	T			ent of Area Affected 18. Duration of Critical Effect			1			
1 1			A. Miles o	fstream	B Acres of	lake	A Days	B. Hours	1	
	Total	100%	1						j	
l 🗆		ality(ies) Observ			<u> </u>				7	
Abnor- mality	☐ Turno	Disease	Lessor	. 🗆	Deformities	□ Eye	disorder		1	
	Other	ispecityi							_	•
20. Additional Remarks finclude observed effects on other biotaj								1		
1								•	1	
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								ł		
Reporting Official				Agenc	y Mailing Add	ress			Date of	Report
							1			
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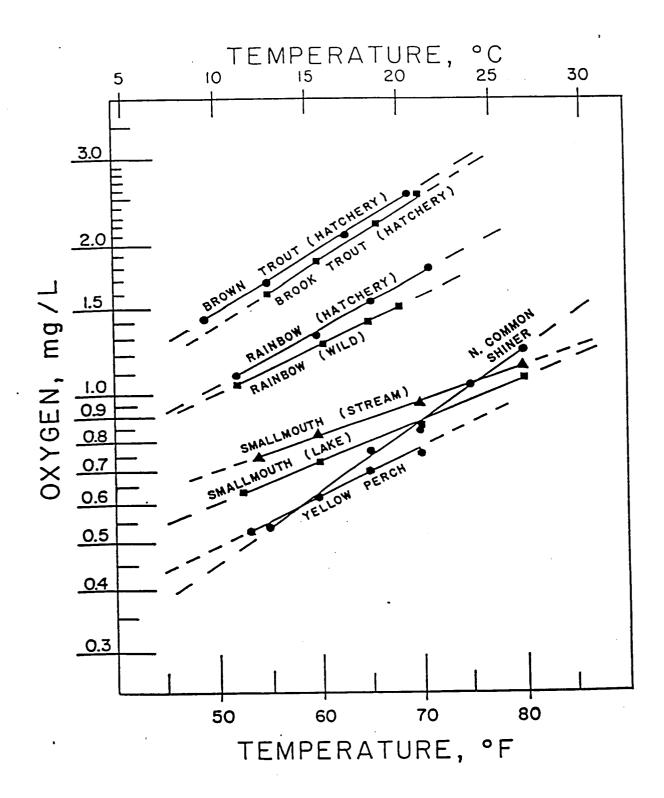
Obtain an original form for use or copying both sides. This copy is 80% of original size.

Appendix 6. FISH KILL INVESTIGATION FLOW CHART



FISH/WILDLIFE CONTINUITY OF EVIDENCE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF FISH AND WILDLIFE

The following items:		
were collected by		
from	in the vicinity	y of
in the Town of	,	County
on the date(s) of:		
Said items were in the custody of transferred to and hand delivered purposes noted:	the persons listed by those persons a	below at all times until t times, dates and for
PRINCIPAL COLLECTOR (print name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	ÚNI	T
FIRST RECIPIENT (print name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNI	T
SECOND RECIPIENT (print name)	TIME & DATE	PURPOSE OF TRANSFER
SIGNATURE	UNI	T
RECEIVED IN LABORATORY BY (print a	name)	TIME & DATE
SIGNATURE	UNI	T
LOGGED IN BY (print name)	TIME & DATE	ACCESSION NUMBERS:
SIGNATURE	UNI	T



APPENDIX 8. MEAN LETHAL OXYGEN DATA for SOME N.Y.S. FISH SPECIES4