

6-4-85



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

JUN 4 1985

MEMORANDUM

SUBJECT: Peer Review of Bolero Field Study
TO: Peer Review Panel Members

A three year field study with biological and residue monitoring was conducted by Biospherics, Inc. for the registrant, Chevron Chemical Company. In keeping with Branch policy, I would like the study to be peer reviewed. Dan Rieder is the reviewer and can provide the peer review panel with appropriate materials.

I would like the peer review panel to review the study and determine if it is invalid, supplemental or core and, if valid, assess the potential for ecological hazard. A memo to the record summarizing the panel's conclusion is requested by June 14, 1985.

A handwritten signature in cursive script, appearing to read "Michael Slimak".

Michael Slimak, Chief
Ecological Effects Branch

Panel Members

John Bascietto, Chairman
Liz Zucker
Dennis McLane
Carol Natella

cc: Norm Cook
Dan Rieder

①

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Bolero Field Study Fish Comparison Table

+ decline
base - yr 1* = decline
yr 1 - yr 2* decline
base - yr 2

Species	Number caught per sample day		
	1982 Baseline	1983	1984
<u>Elop saurus</u> ^{atlanticus}	0.5	8.6	56.6
<u>Megalops atlantica</u>	0.06	8.7	— **
<u>Brevoortia patronus</u> ^{mesohabitus}	1239.3	2062.8	6997.3
<u>Dorosoma petense</u>	1.5	6.1	— * *
<u>Anchoa mitchilli</u>	128.2	695.3	670.7 (*)
<u>Cyprinodon variegatus</u>	0.8	191.4	2.7 *
<u>Gambusia affinis</u>	61.1	+ 54.2	12.7 * *
<u>Poecilia latipinna</u>	16.7	25.1	3.7 * *
<u>Menidia beryllina</u>	80.7	85.4	84.4 (x)
<u>Micropogon undulatus</u>	18.9	322.5	— * *
<u>Mugil cephalus</u>	79.6	159.1	99.3 *
<u>Dormitator maculatus</u>	18.8	+ 2.3	— * *
Gobiidae	1.9	8.3	5.7 *

what is
fish MATC?

do we need a full fish
life cycle?

invaluable? use of propene + odour

what about the
control site?

()
not
significant