



**City of New York
Department of Environmental Protection
New York, New York**

DRAFT APPENDIX C

NEWTOWN CREEK WATER POLLUTION CONTROL PROJECT EAST RIVER WATER QUALITY PLAN

TASK 10.0 SYSTEM-WIDE EUTROPHICATION MODEL (SWEM)

SUB-TASK 10.4 CALIBRATE SWEM WATER QUALITY

SUB-TASK 10.6 VALIDATE SWEM WATER QUALITY

**Prepared under subcontract to:
Greeley and Hansen
115 Broadway, Suite 13B
New York, NY 10006-1604**

April 1999

Project No: GRHN0020/209



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Environmental Engineers and Scientists



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APPENDIX C

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APPENDIX C

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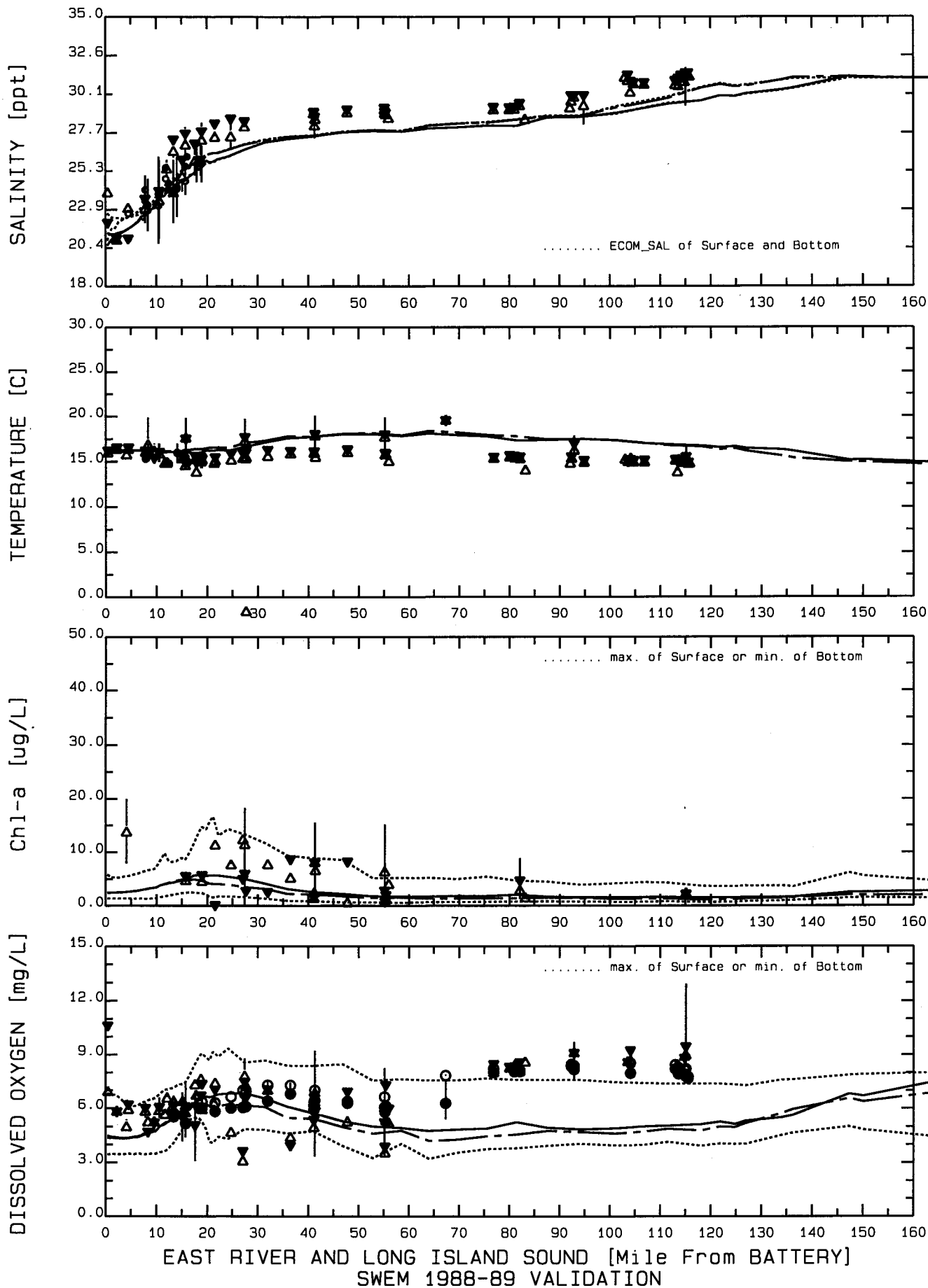
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EAST RIVER, LONG ISLAND SOUND
HUDSON RIVER, UPPER BAY, LOWER BAY

TEMPORAL DISTRIBUTIONS

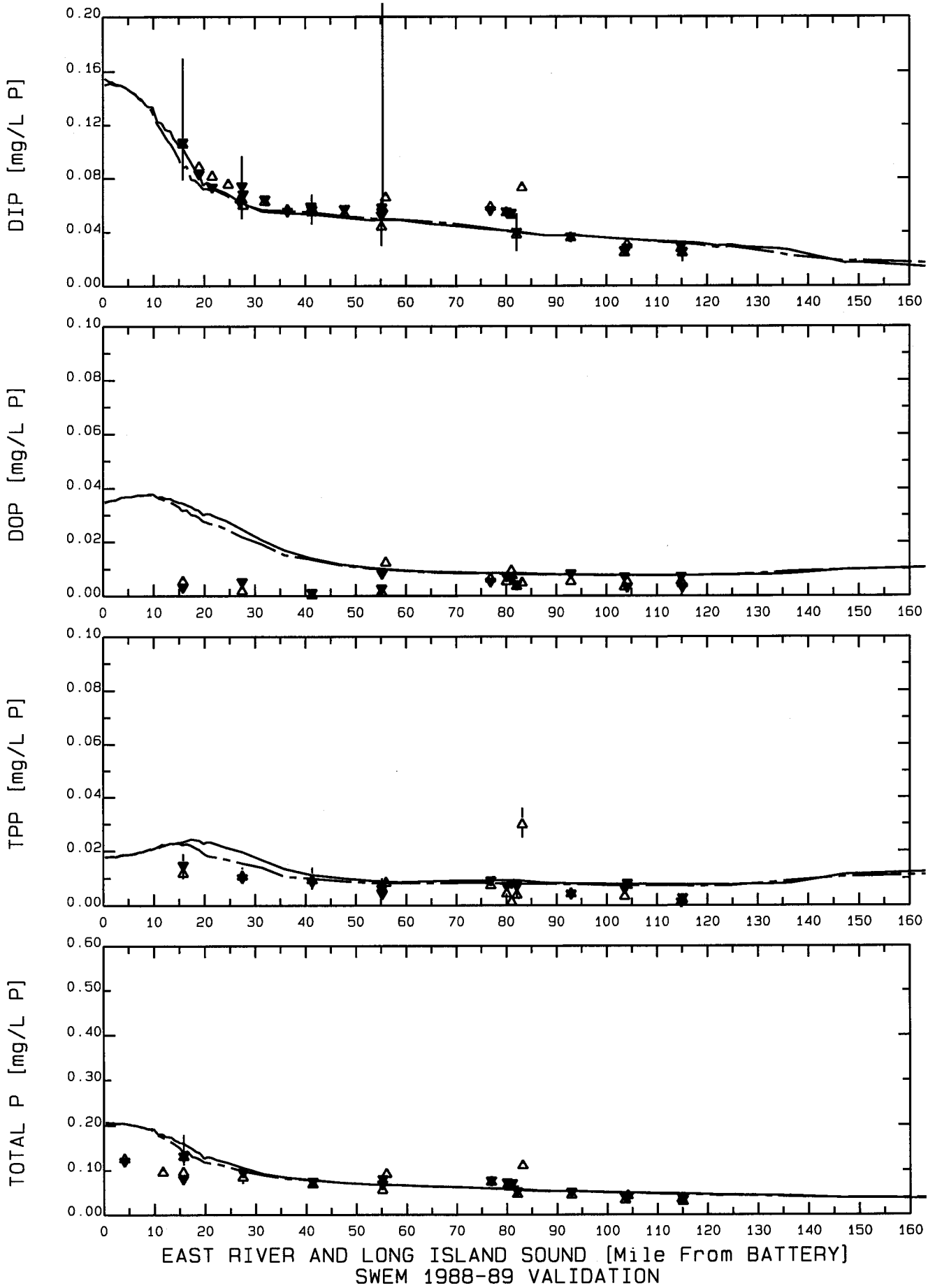
LOWER EAST RIVER
UPPER EAST RIVER
HUDSON RIVER, UPPER BAY, LOWER BAY
HARLEM RIVER
RARITAN BAY
KILL VAN KULL, ARTHUR KILL
JAMAICA BAY

**SPATIAL DISTRIBUTIONS OF
EAST RIVER, LONG ISLAND SOUND**



EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
 SWEM 1988-89 VALIDATION

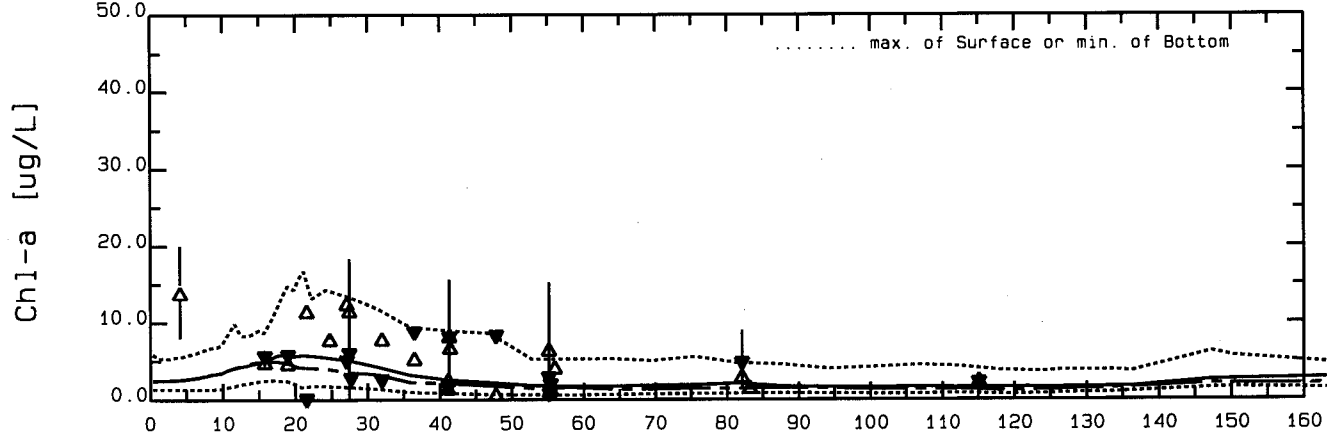
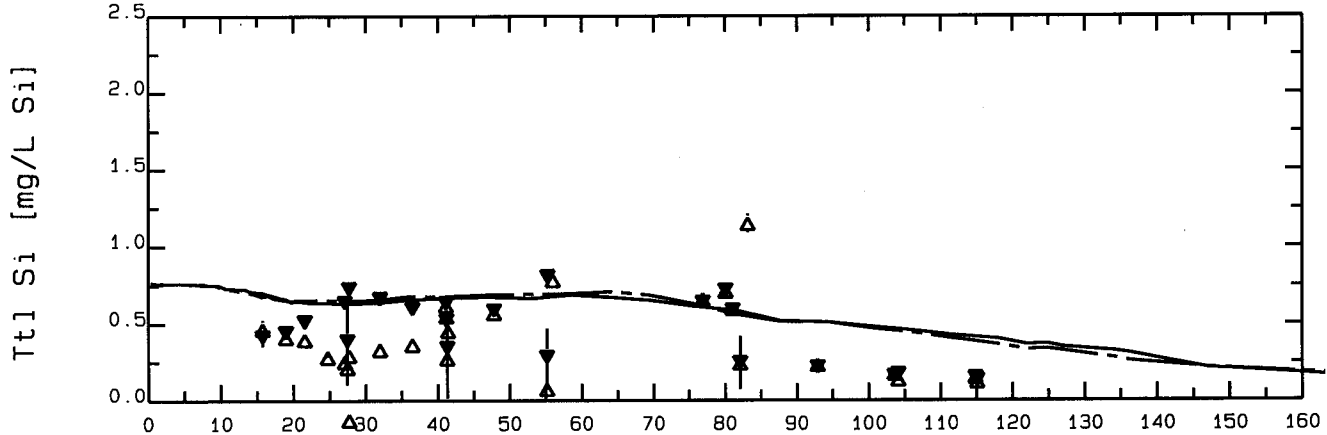
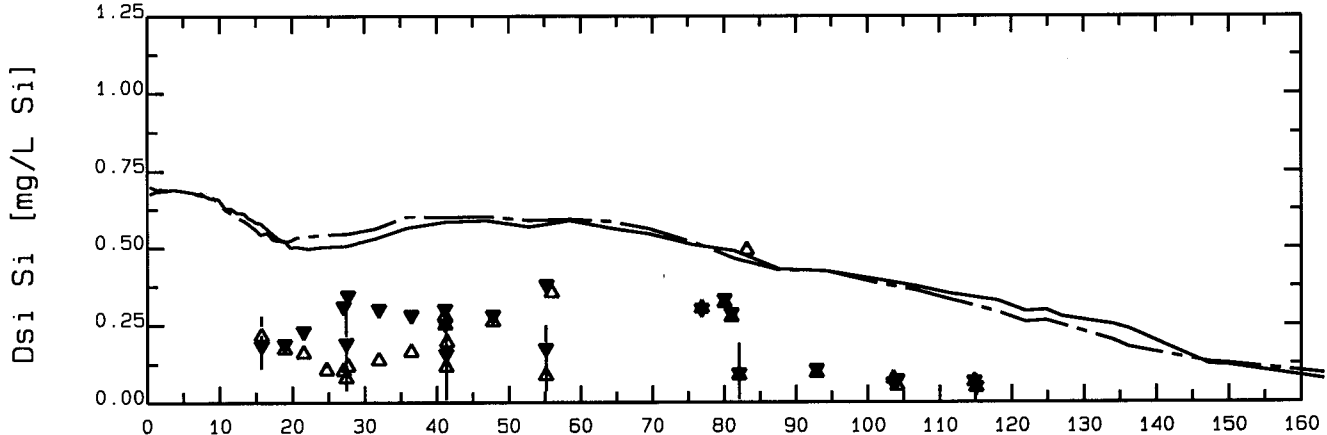
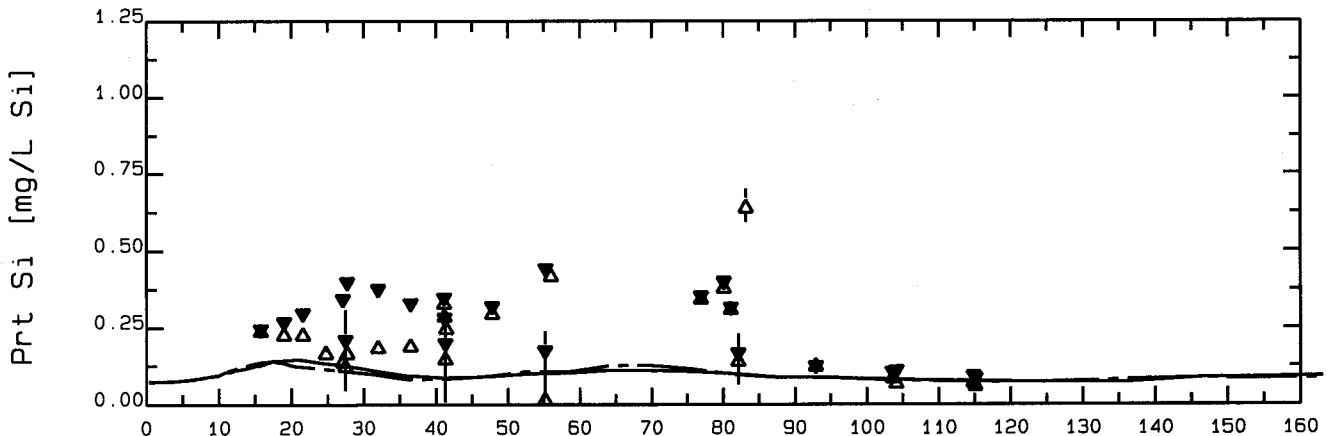
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
 SWEM 1988-89 VALIDATION

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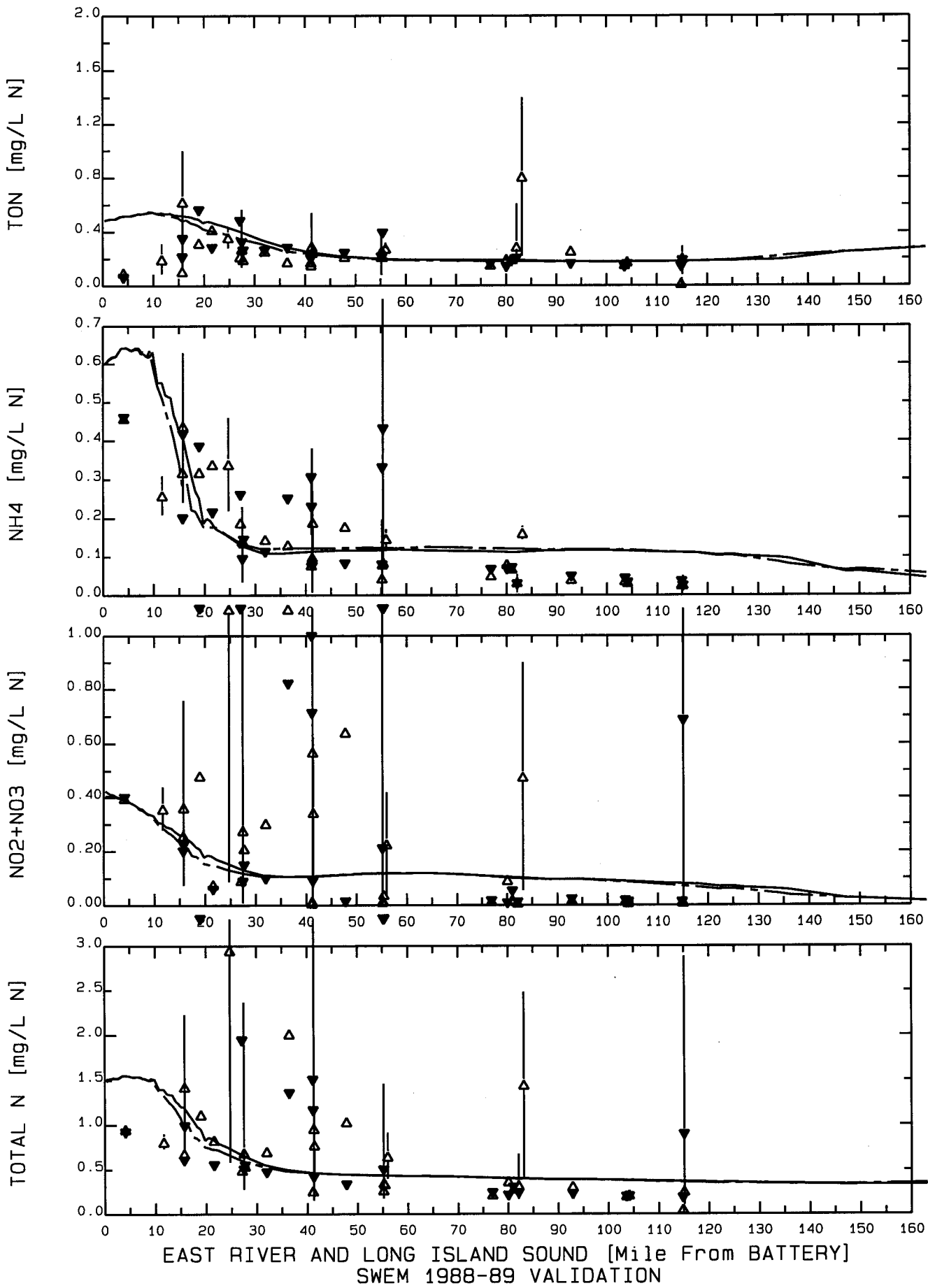
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
 SWEM 1988-89 VALIDATION

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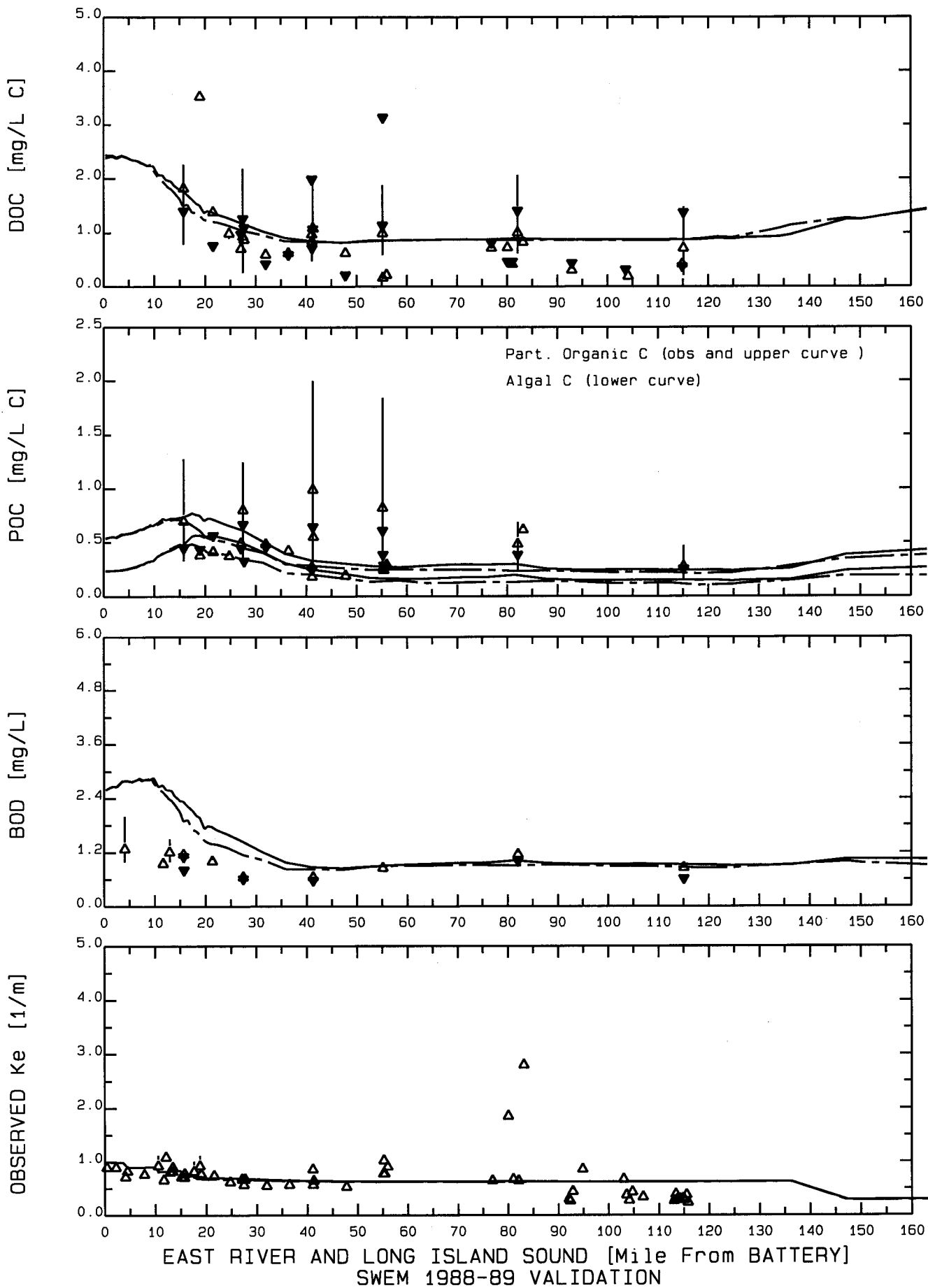
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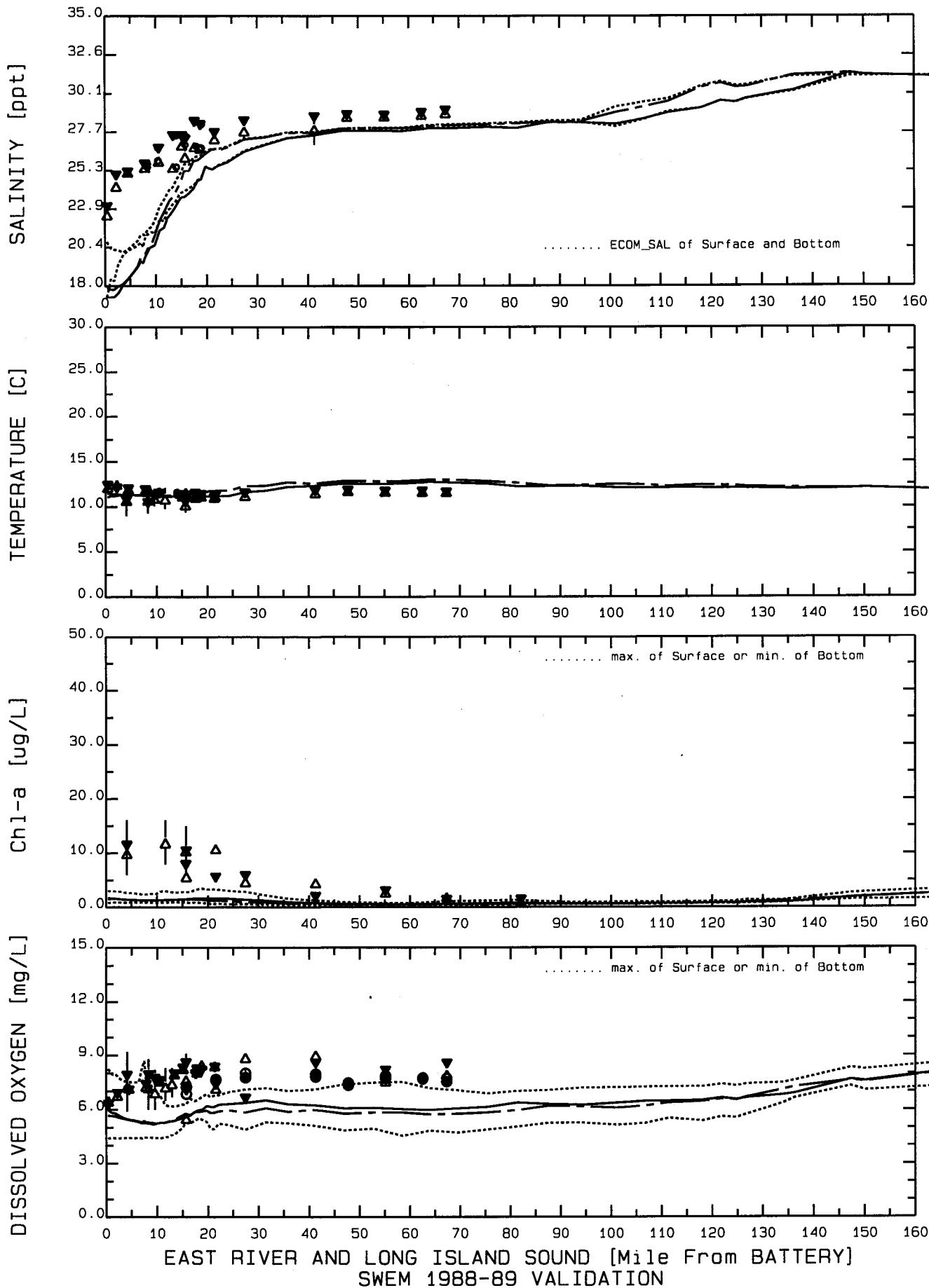
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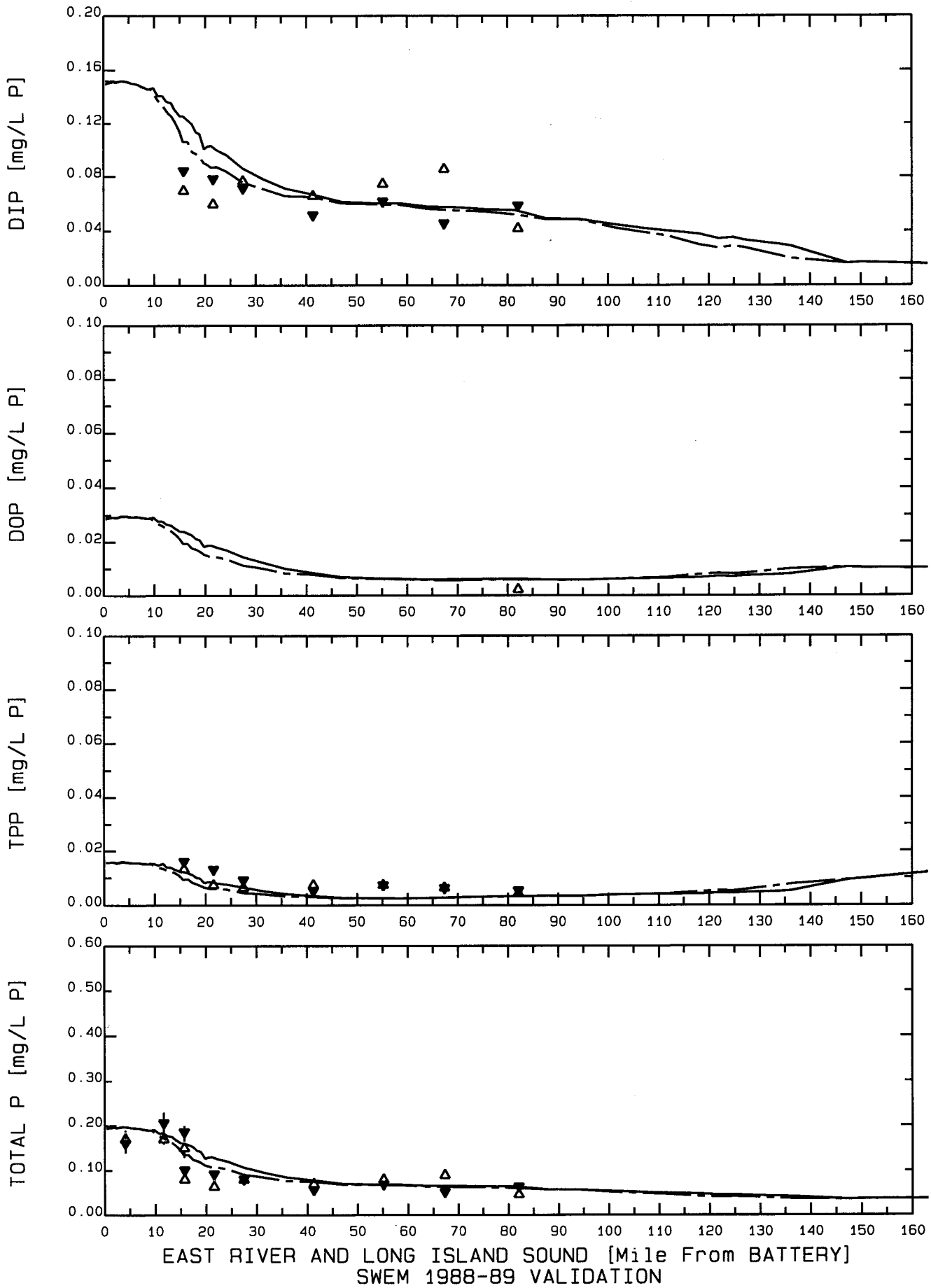
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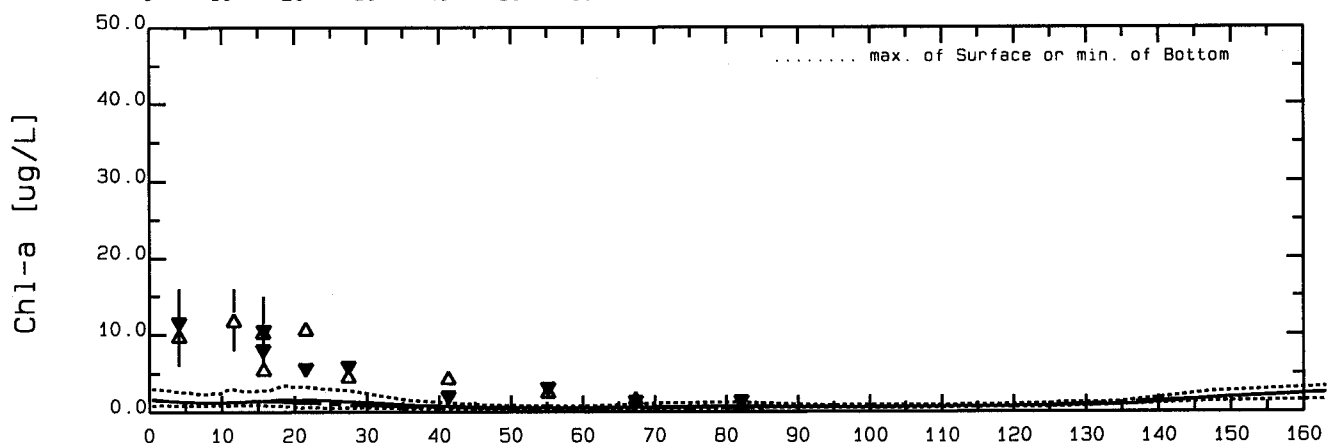
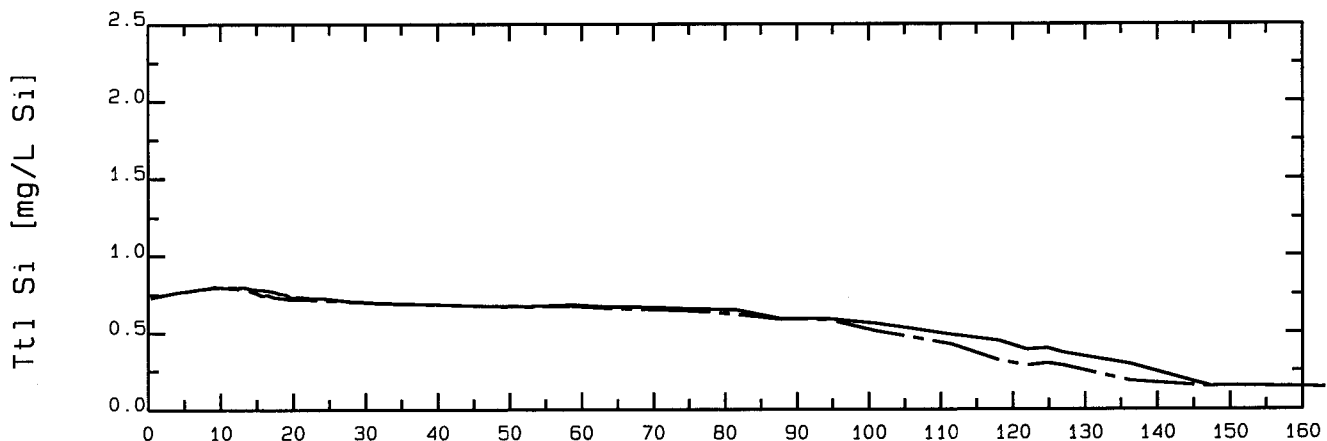
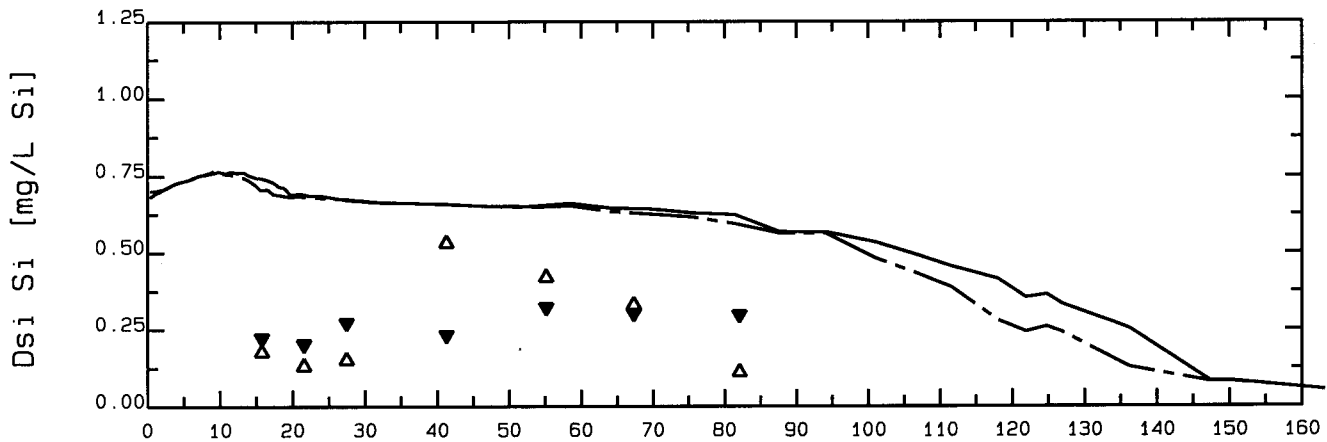
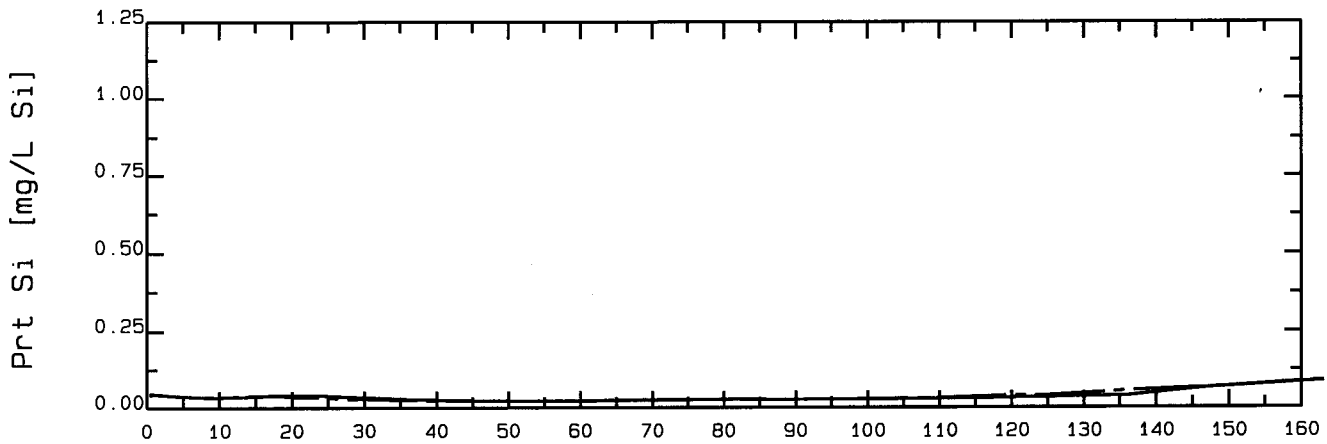


EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
 SWEM 1988-89 VALIDATION



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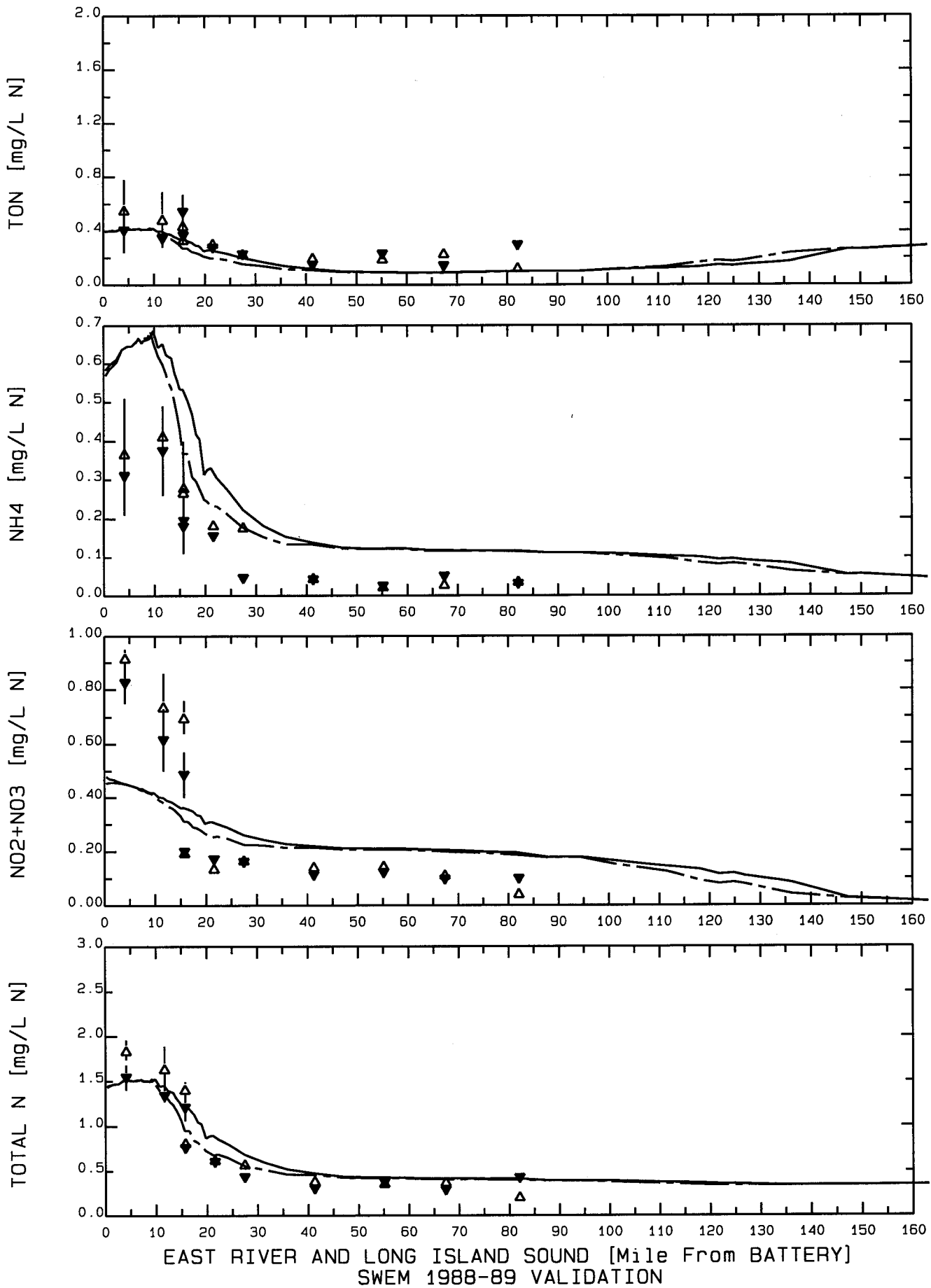
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
 SWEM 1988-89 VALIDATION

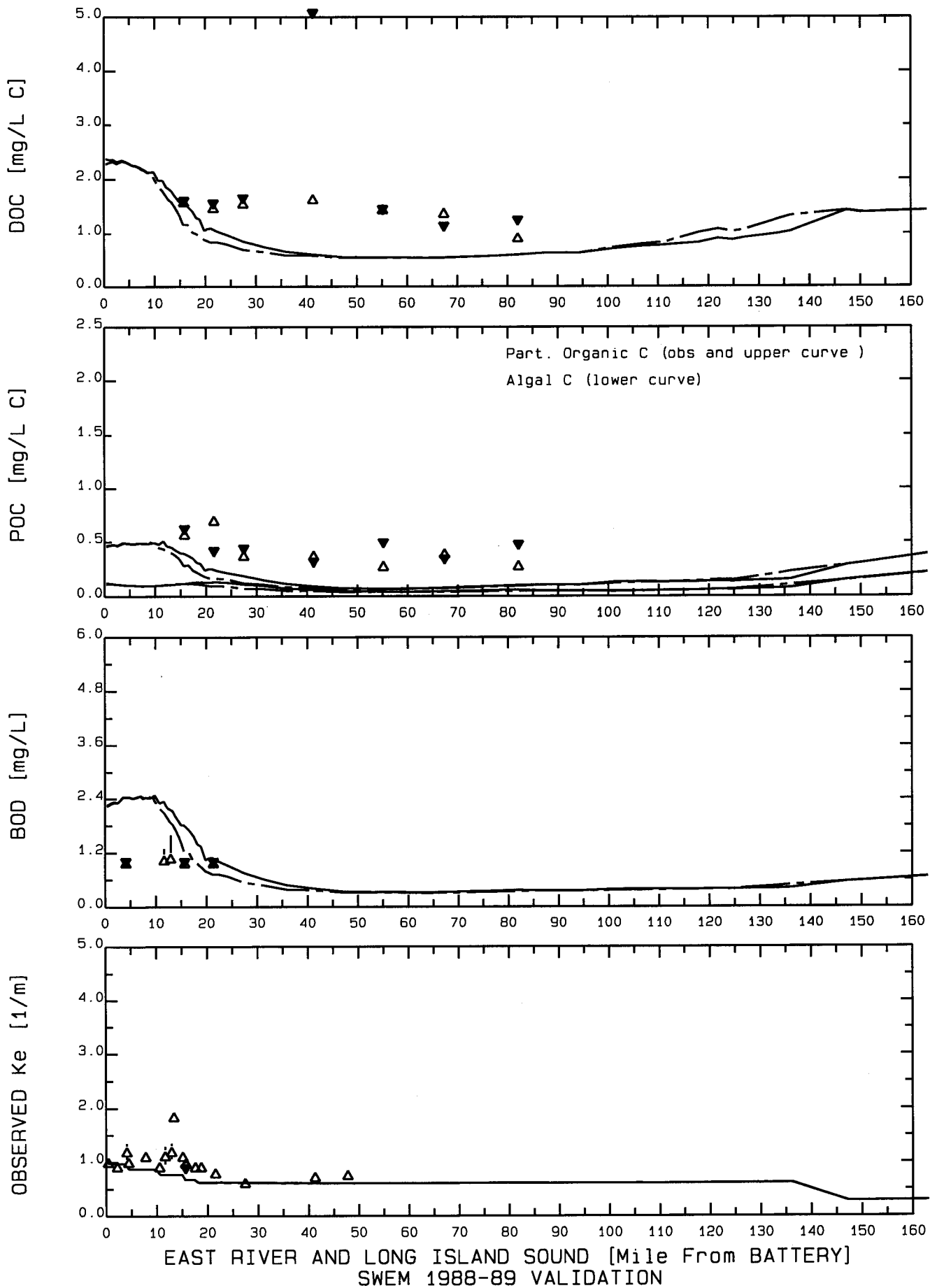
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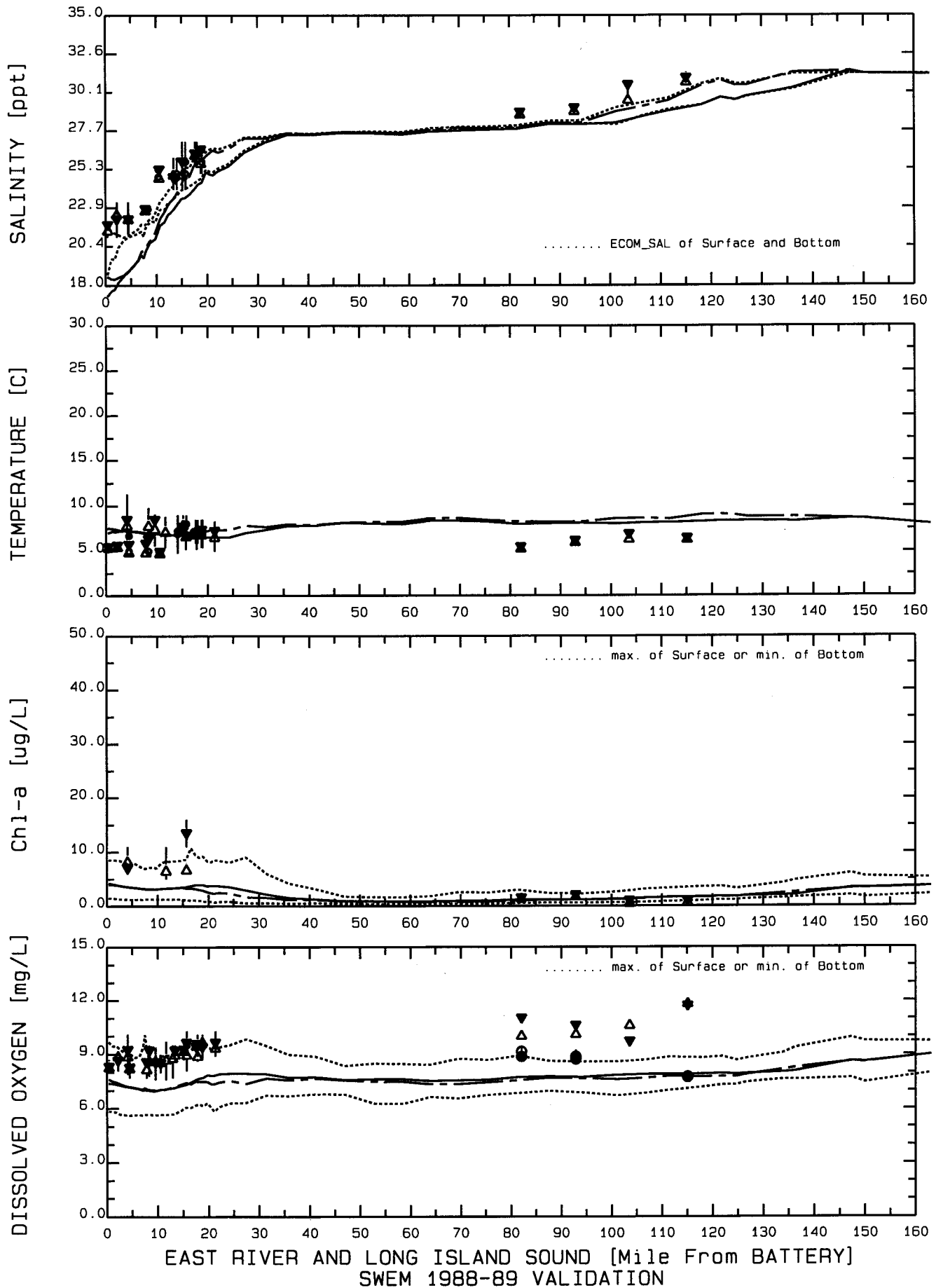


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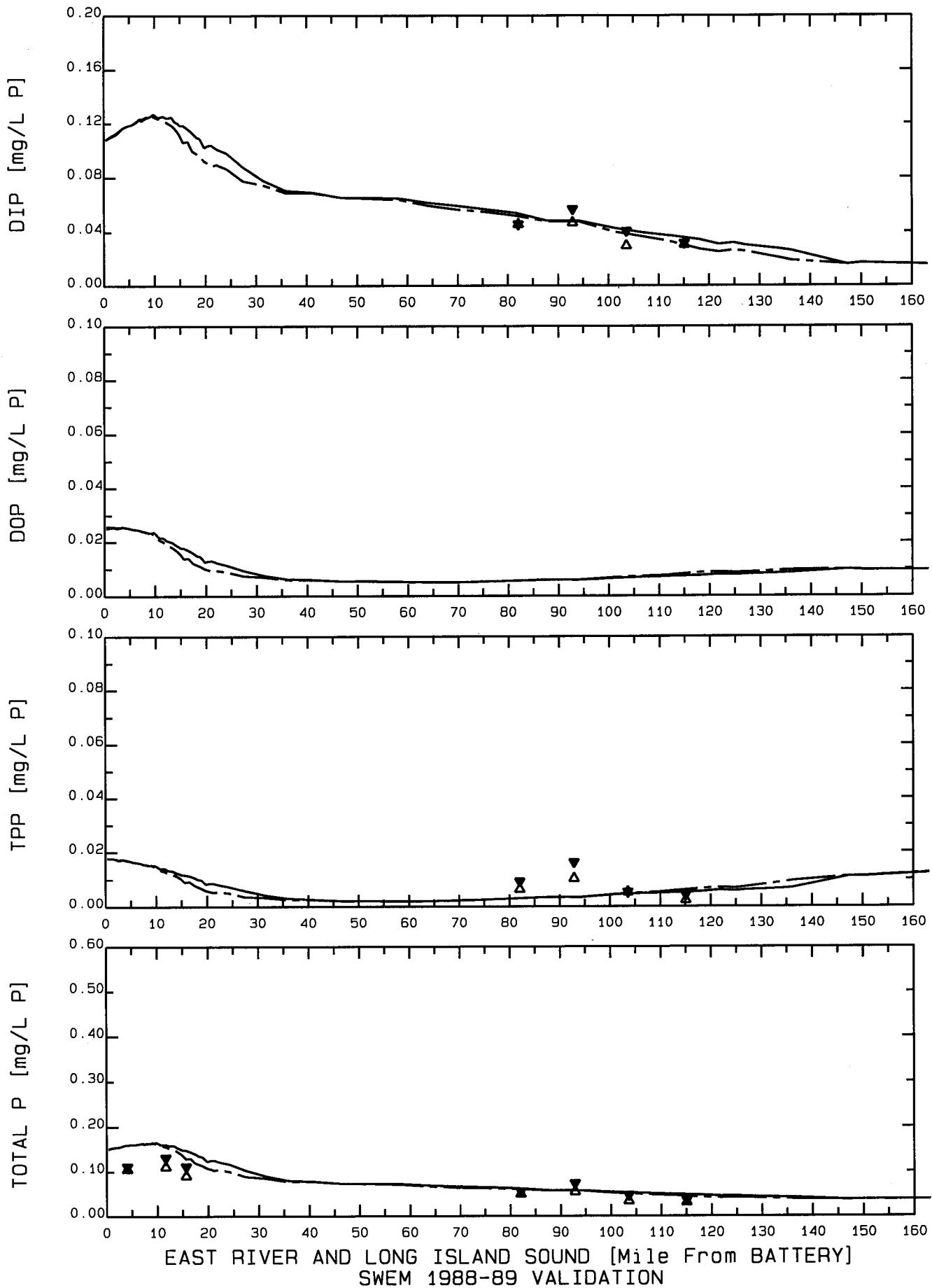


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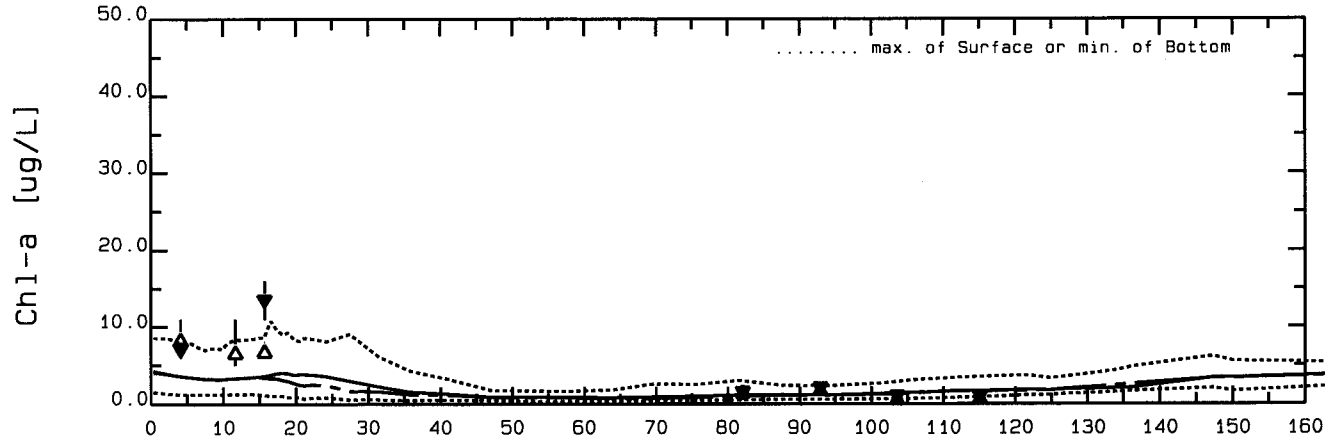
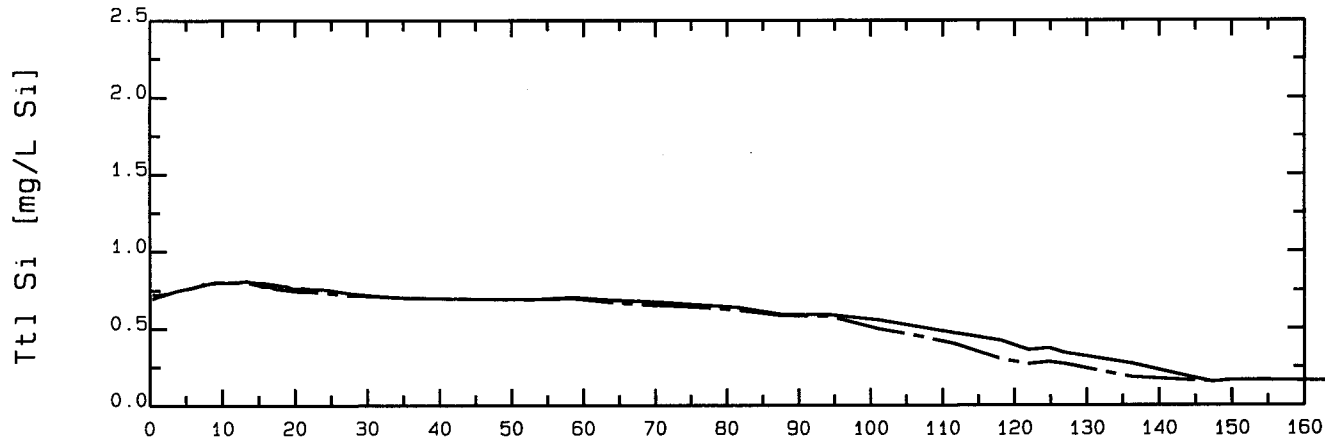
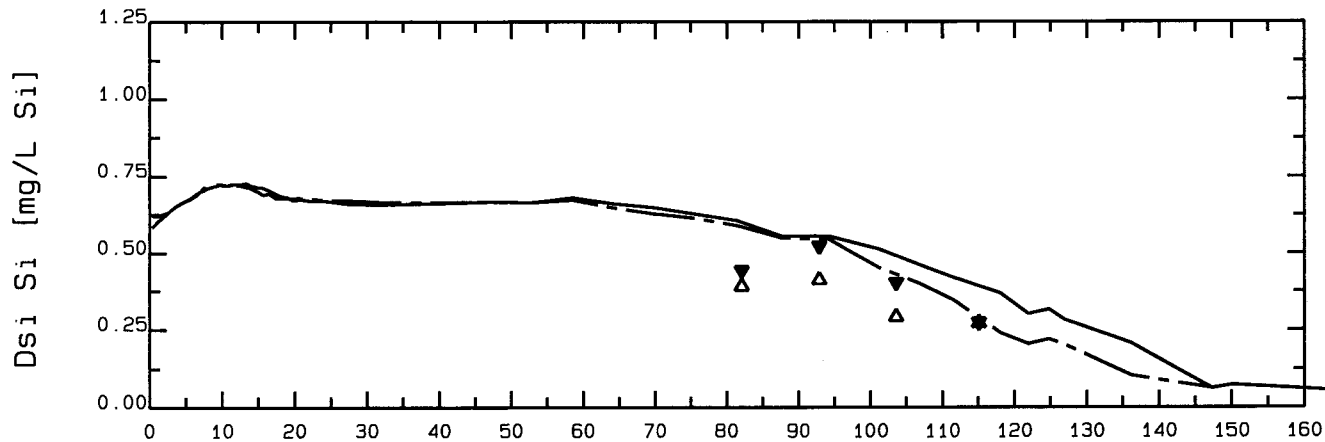
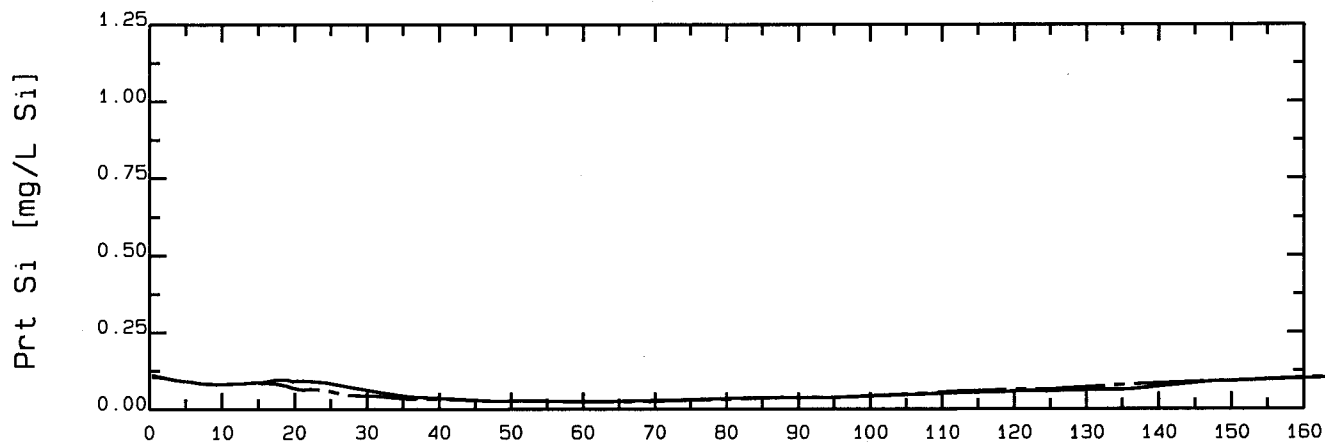


EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
 SWEM 1988-89 VALIDATION

SWEM SPATIAL PROFILE - 8812



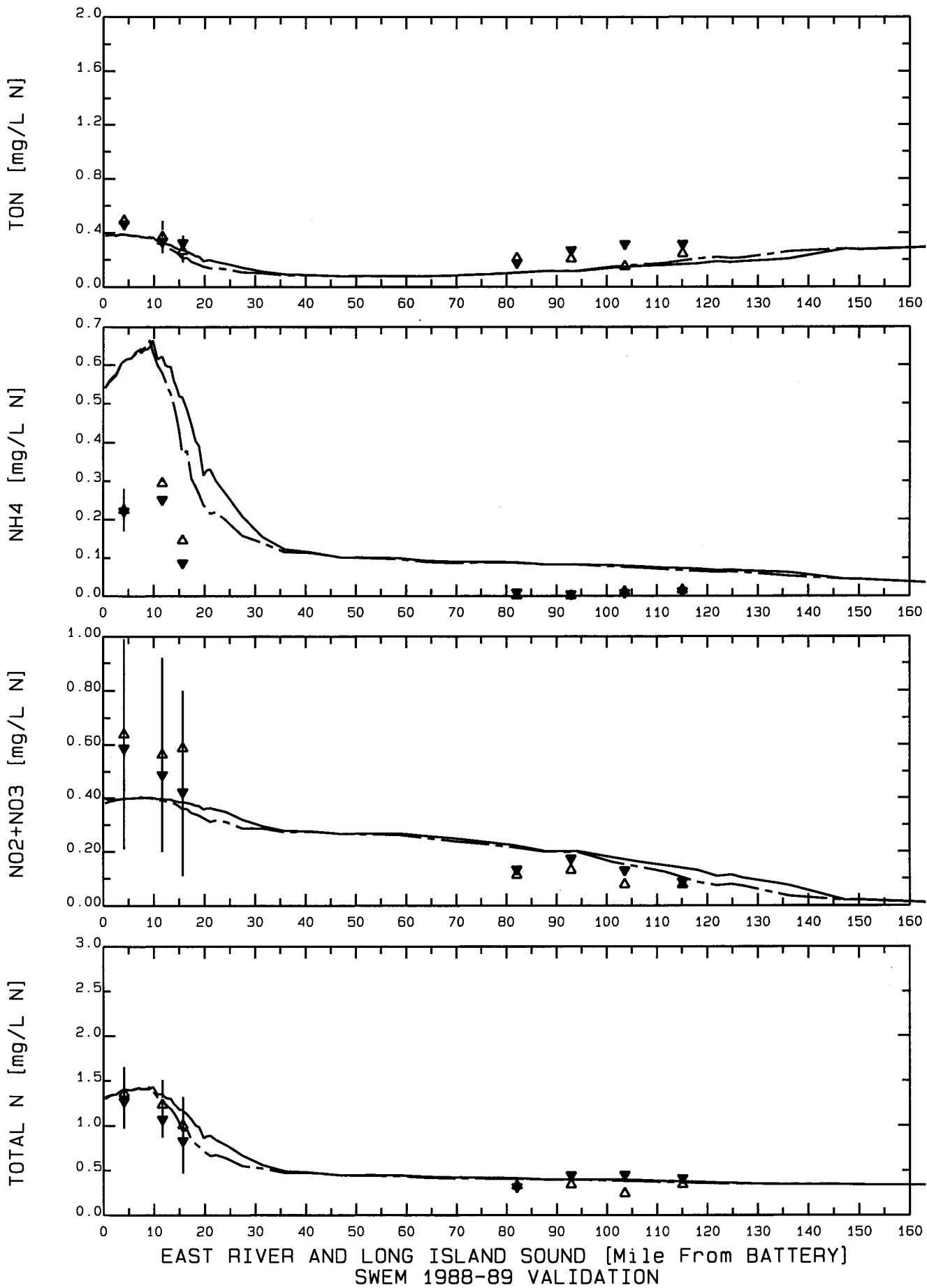
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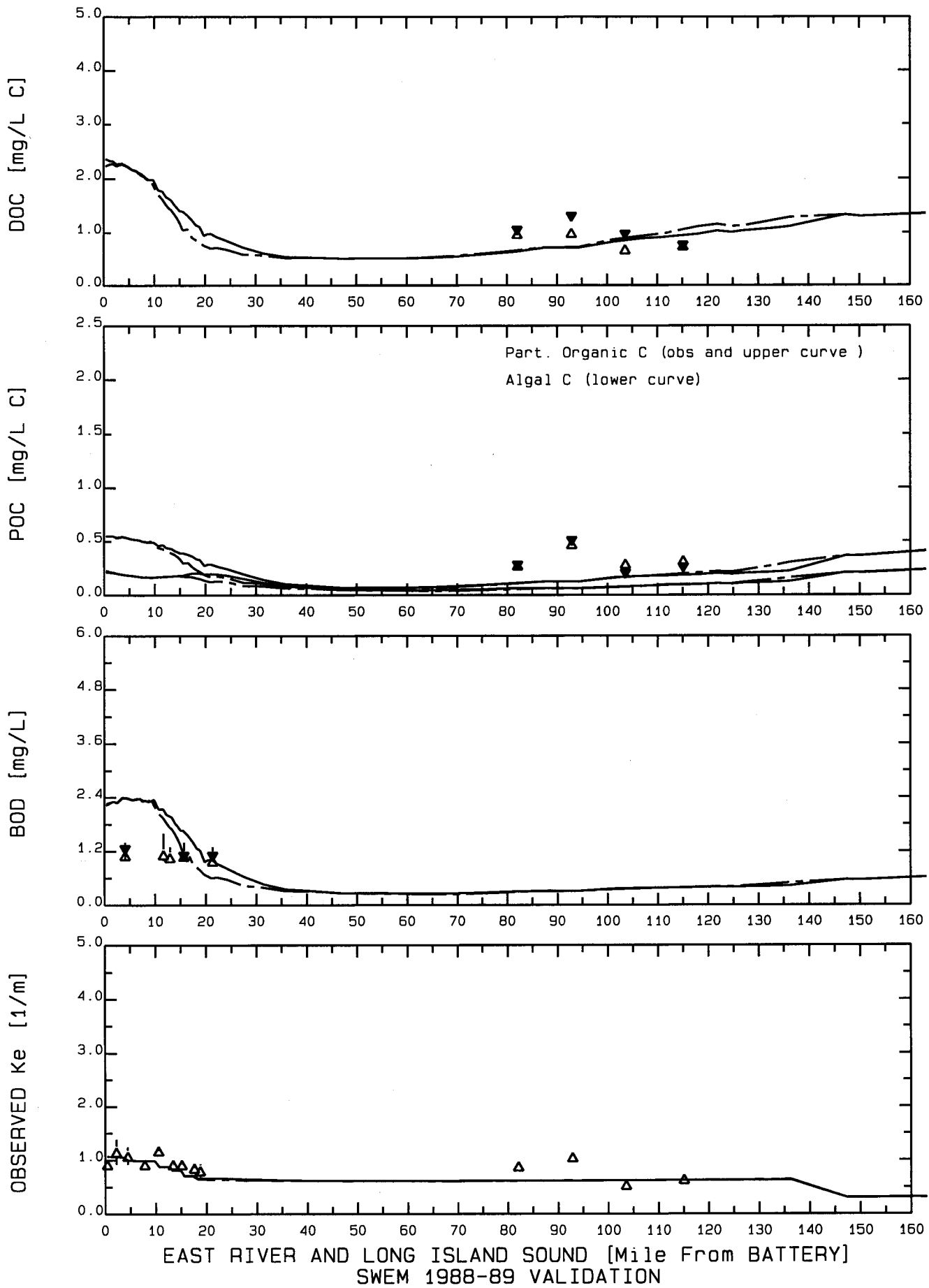
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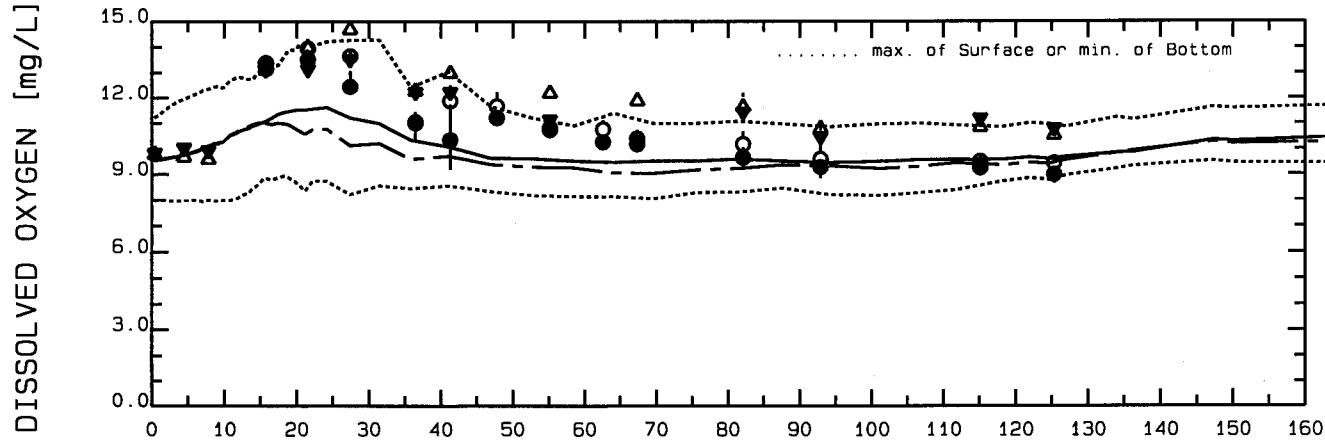
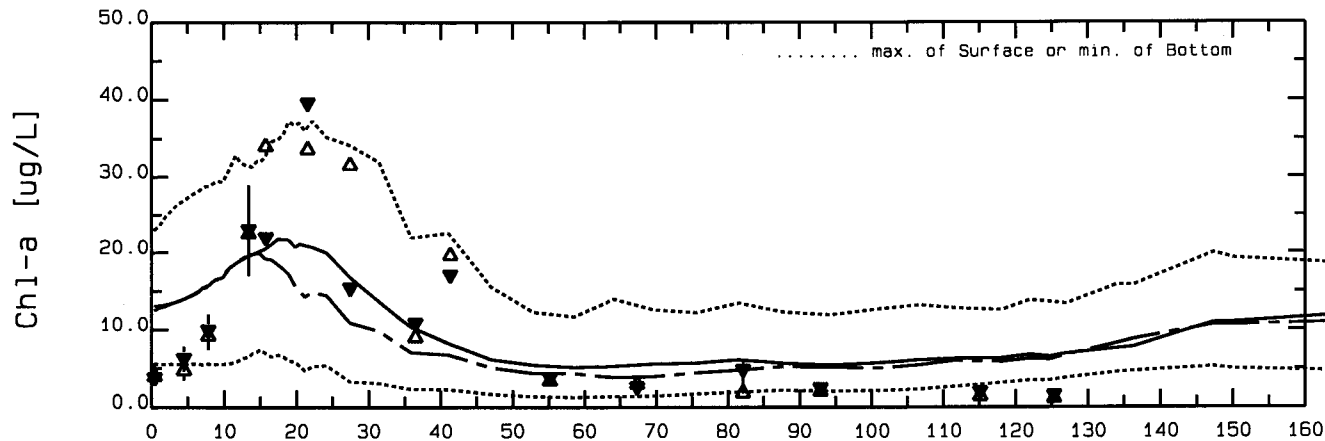
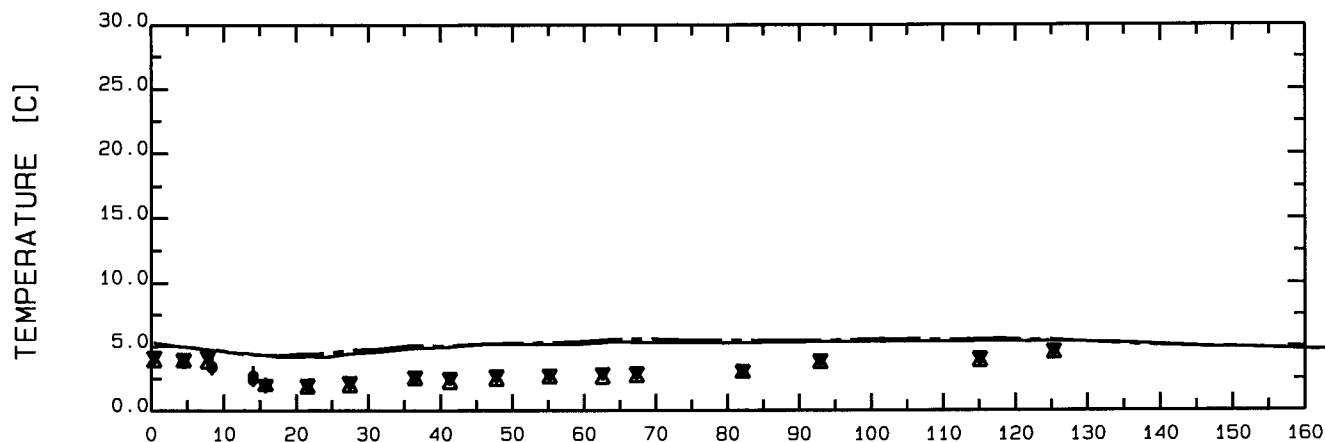
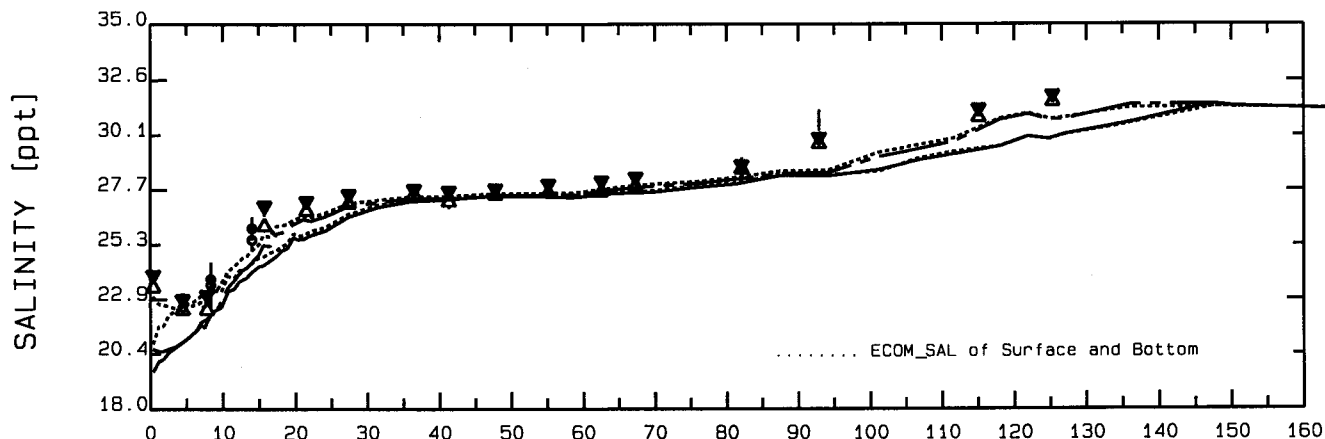
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
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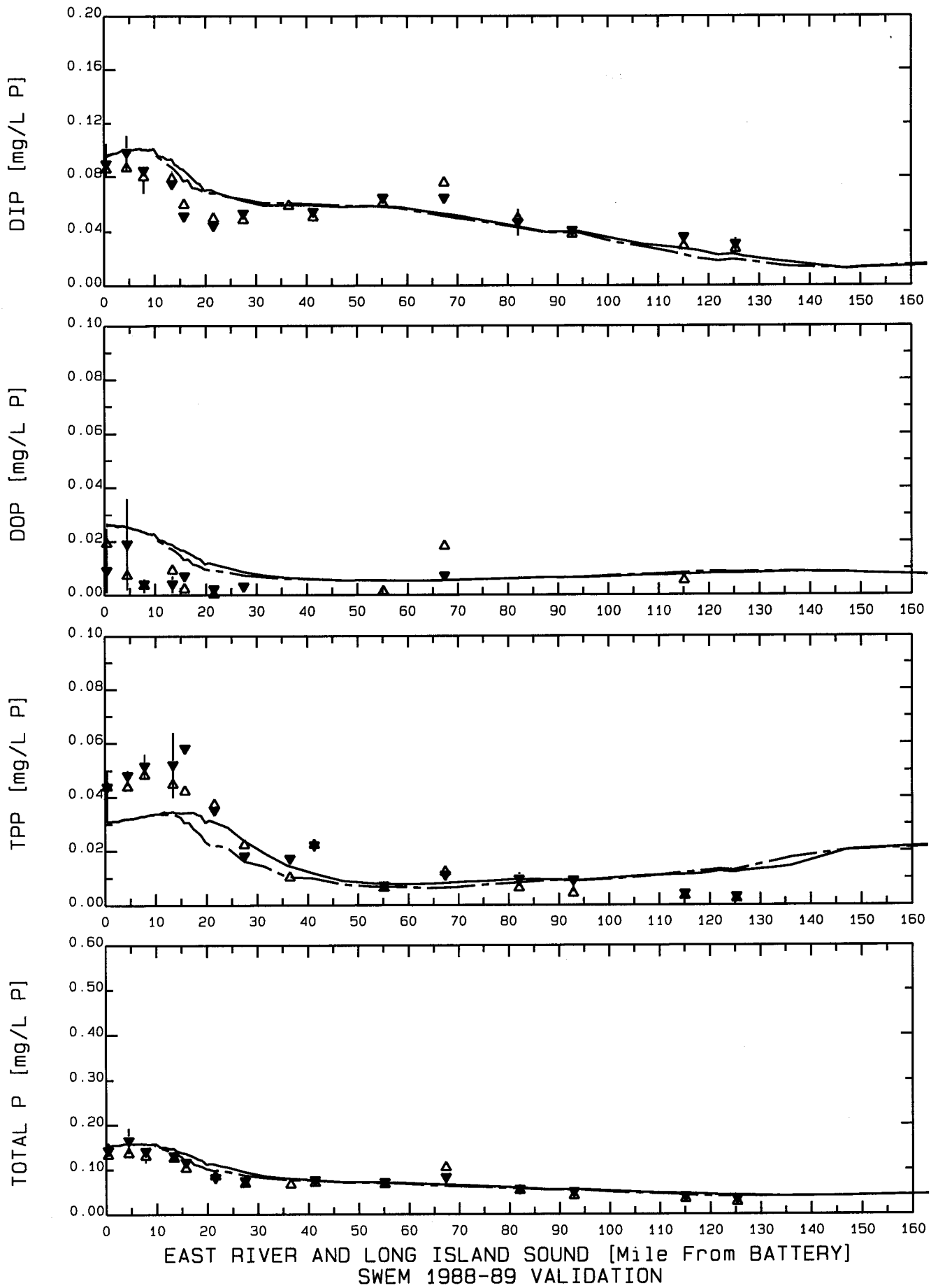
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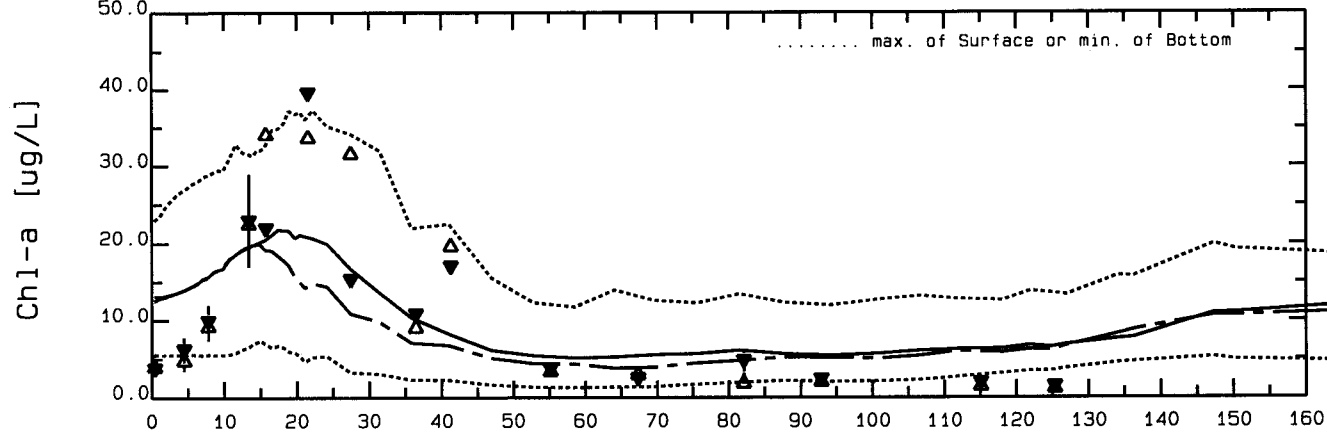
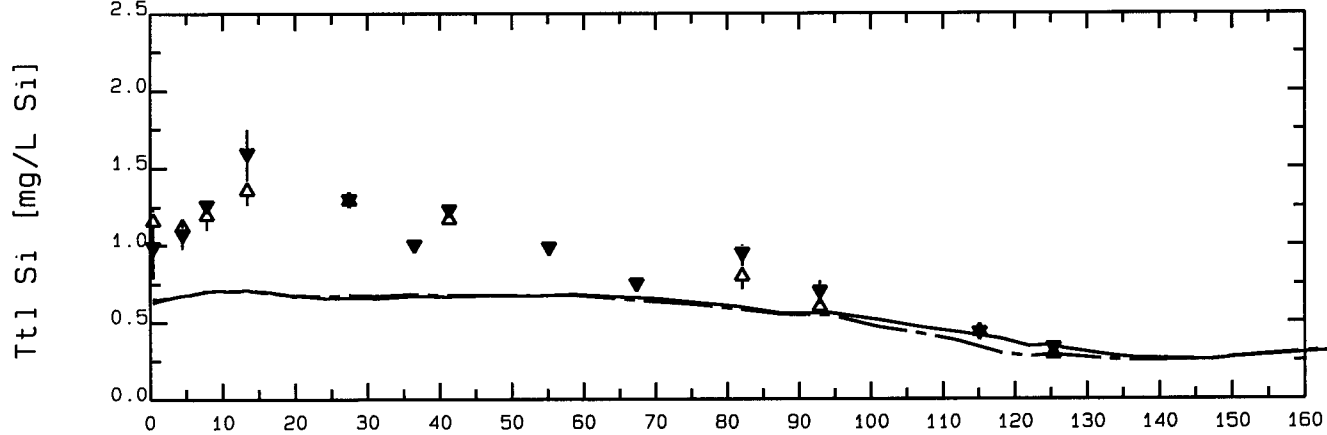
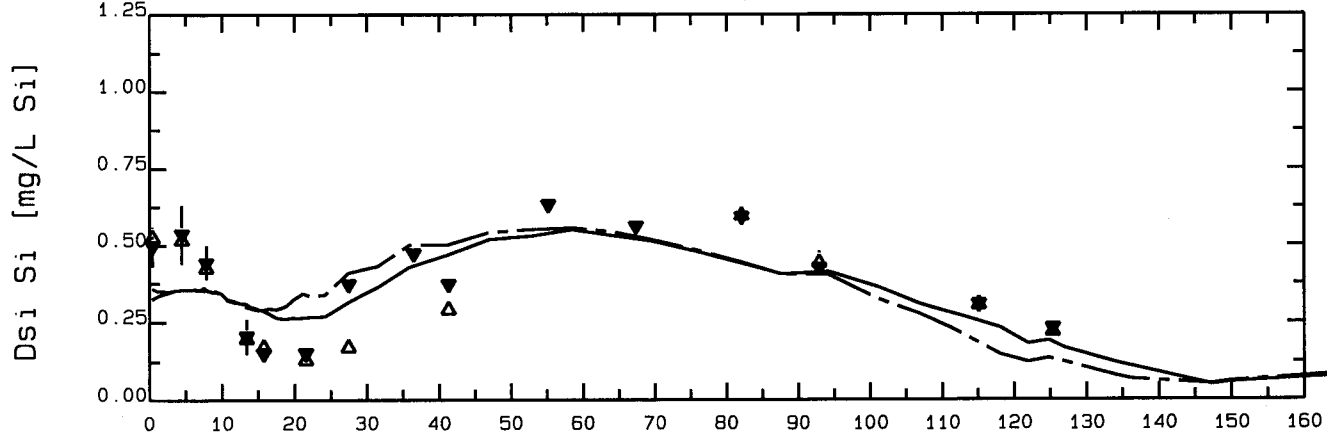
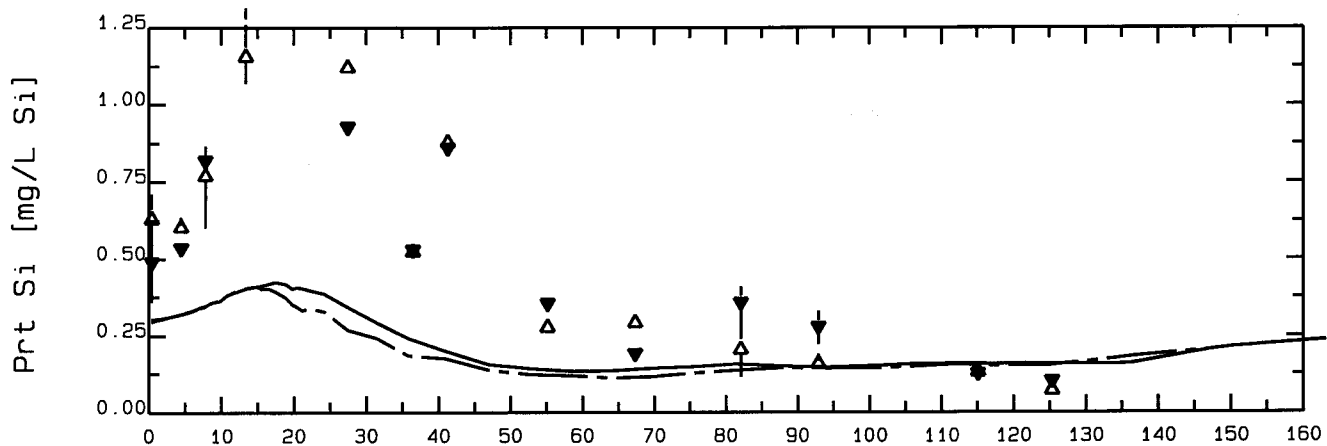


EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
 SWEM 1988-89 VALIDATION

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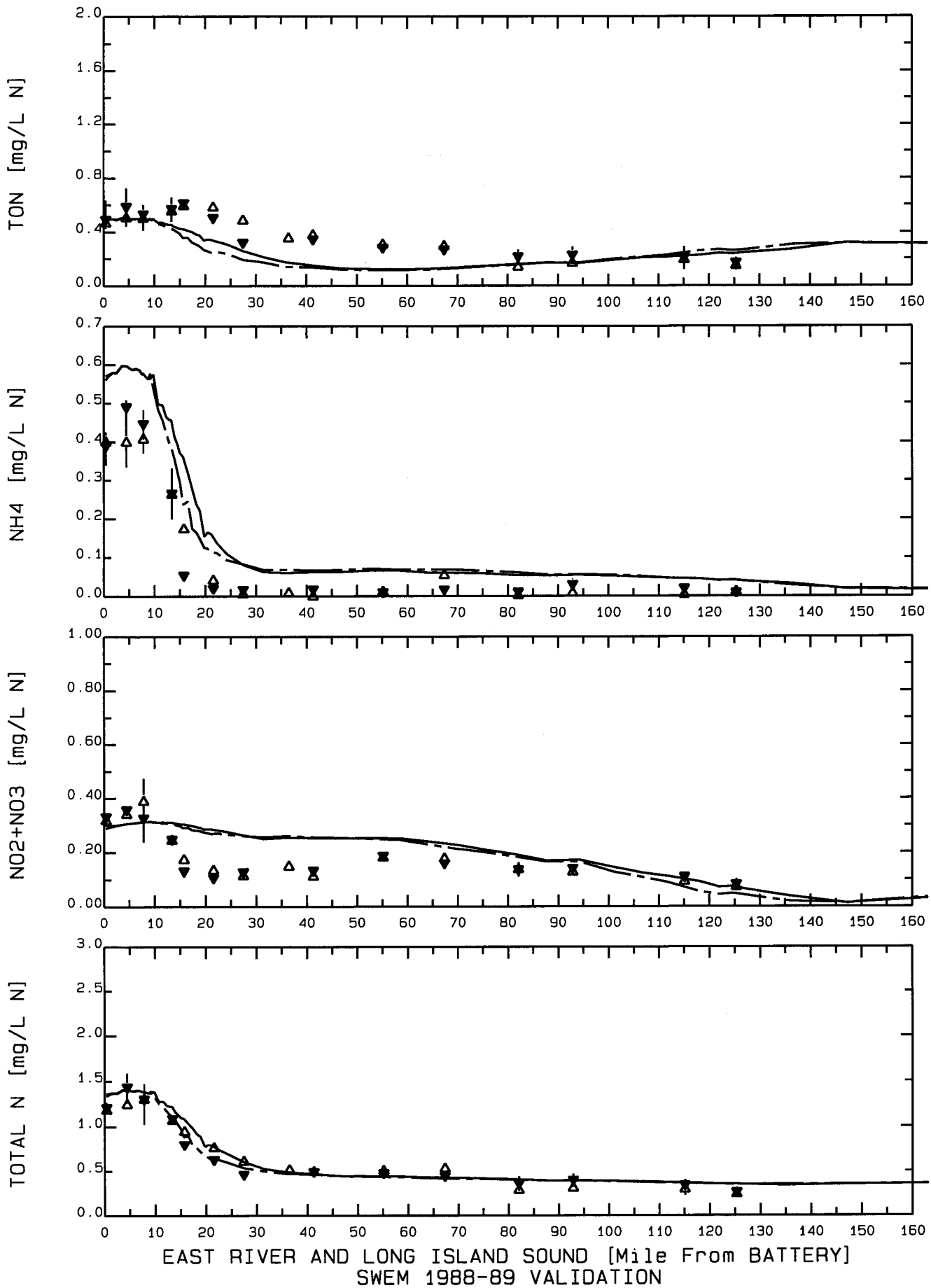
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
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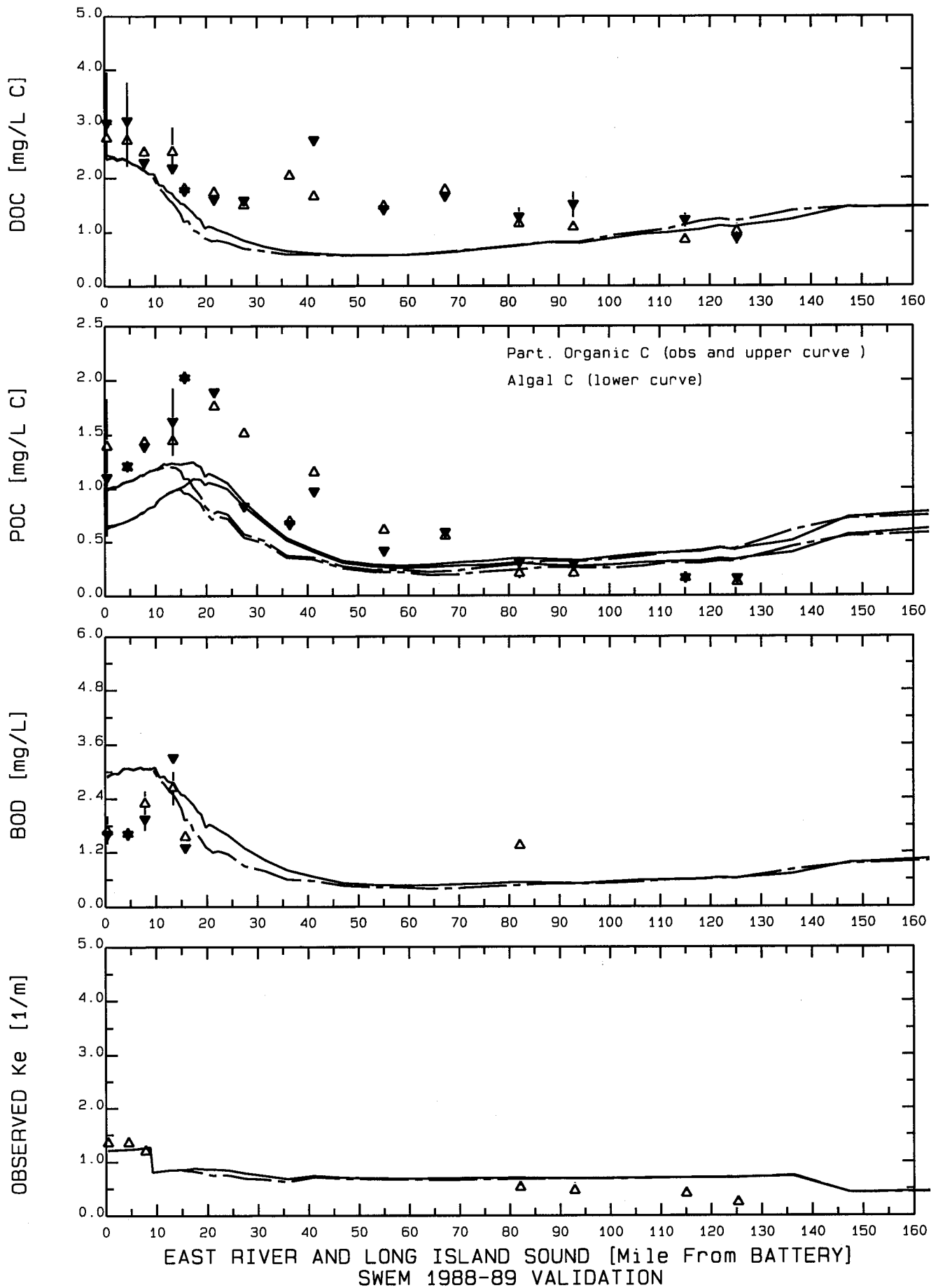
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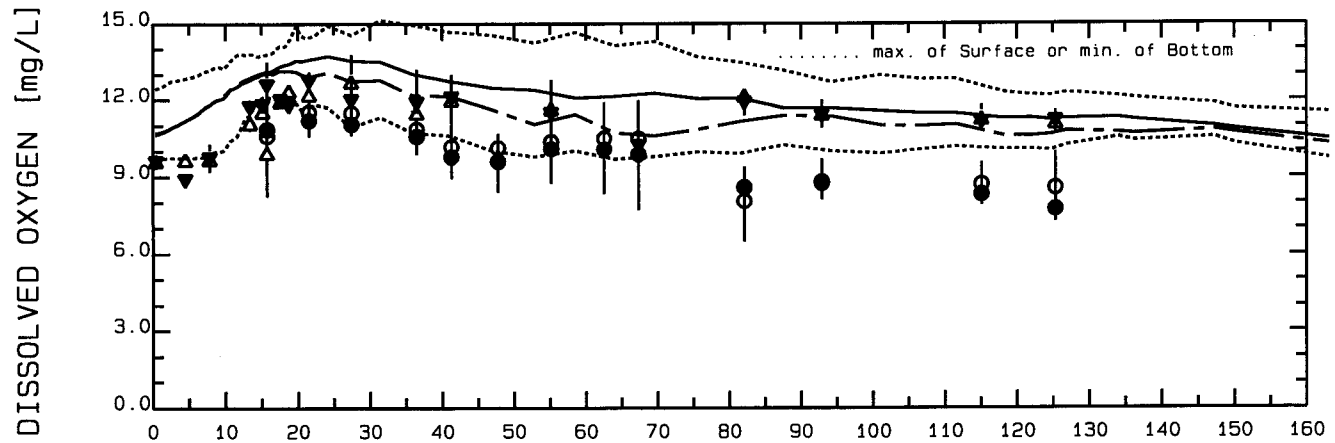
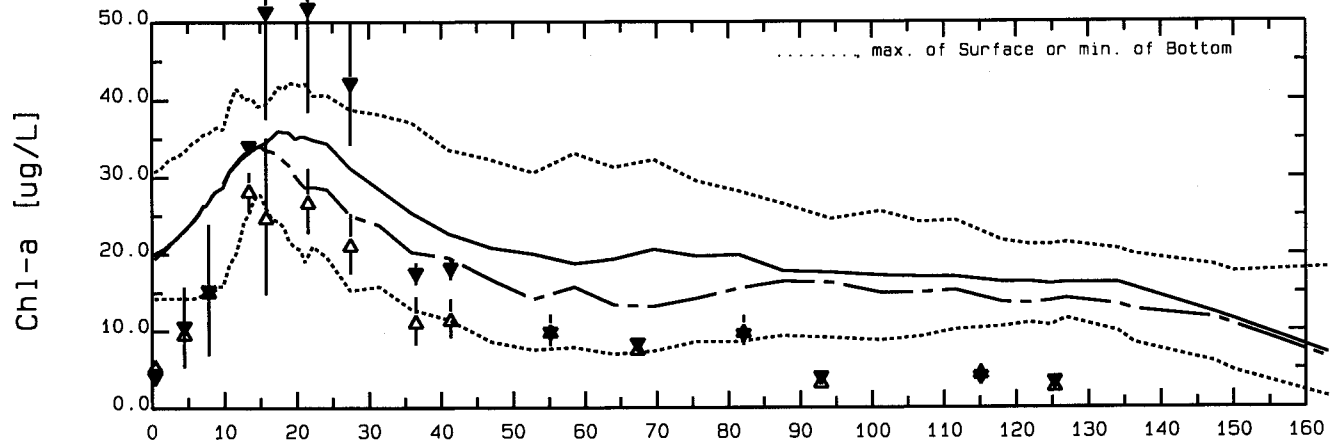
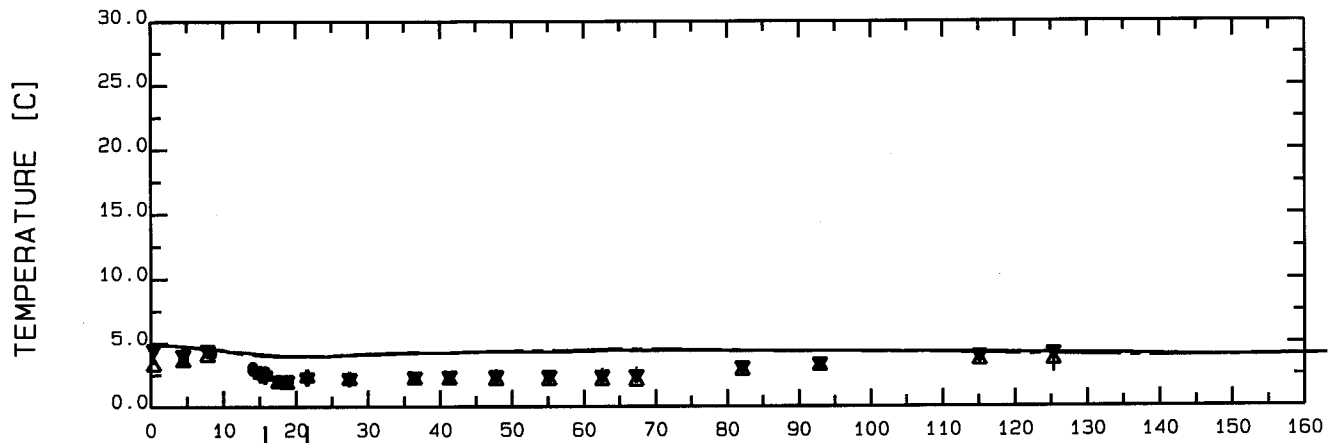
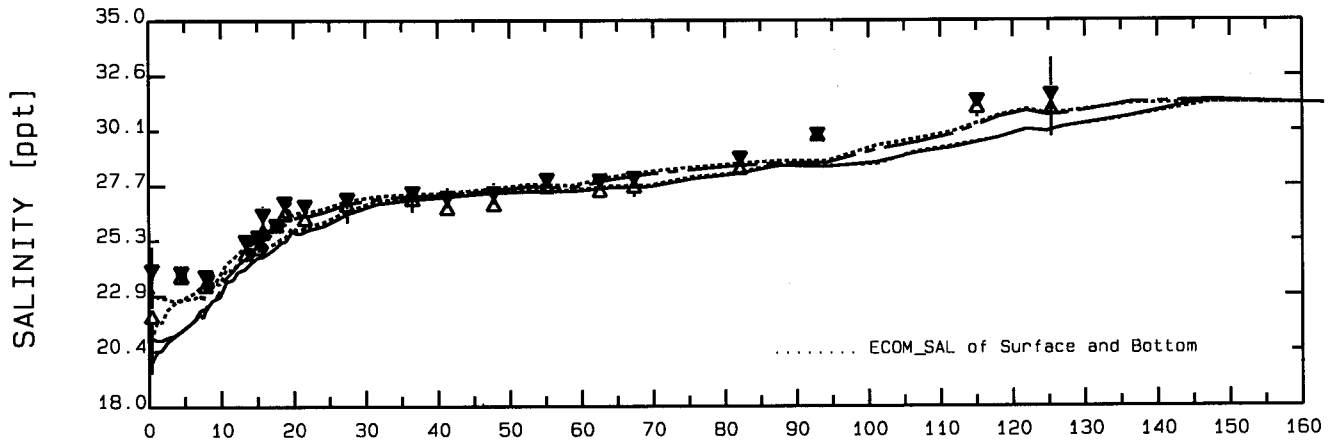


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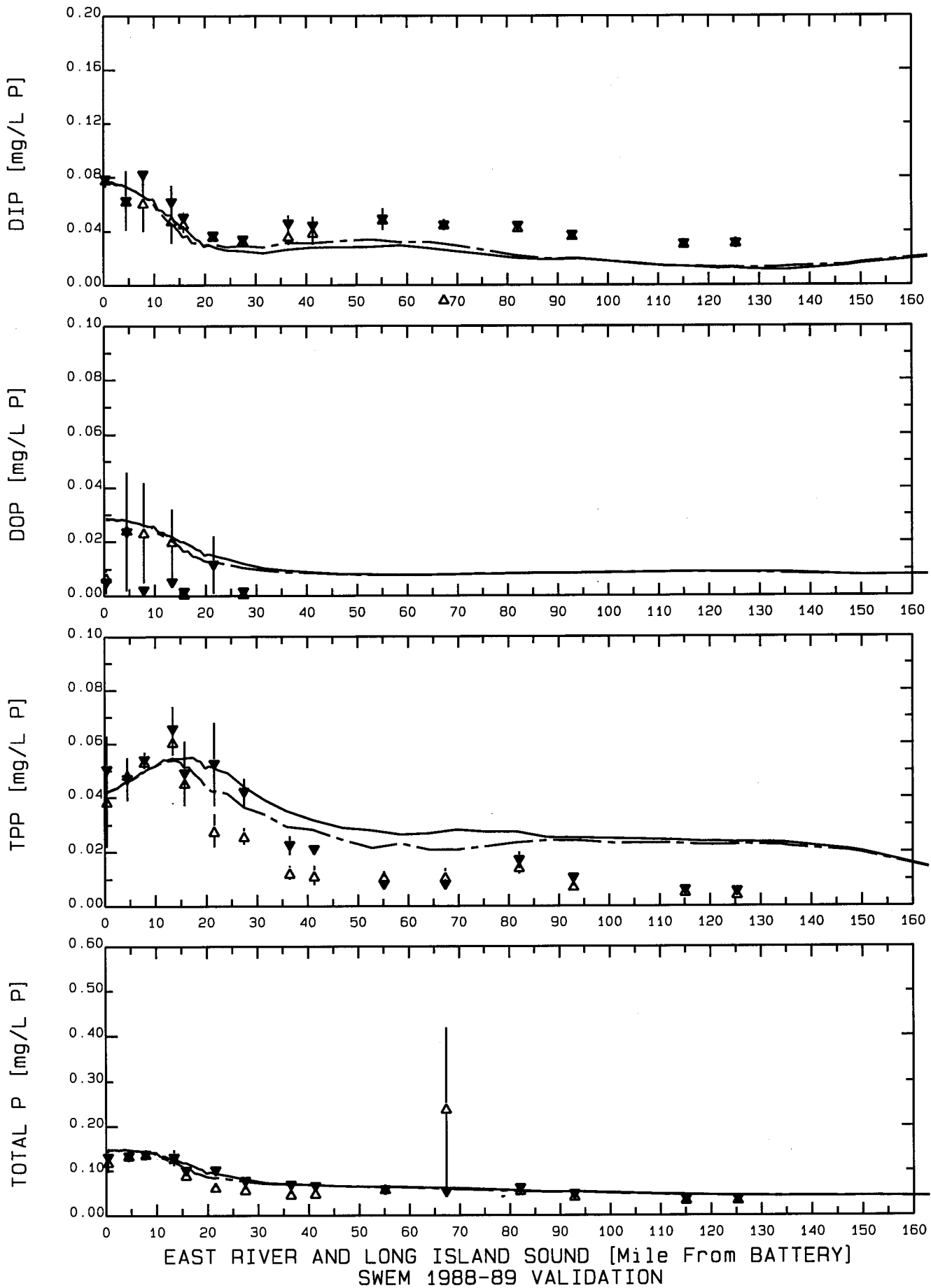
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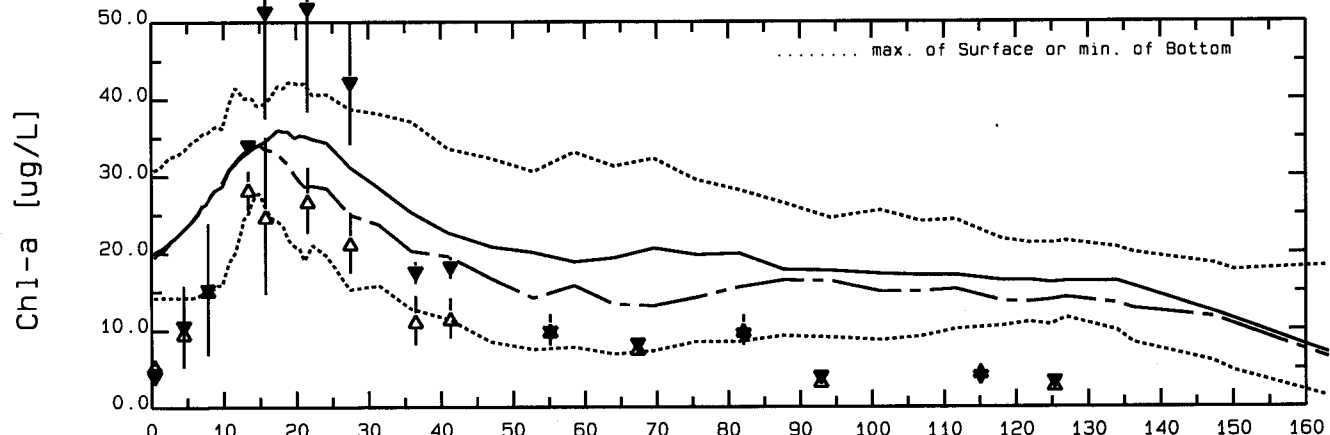
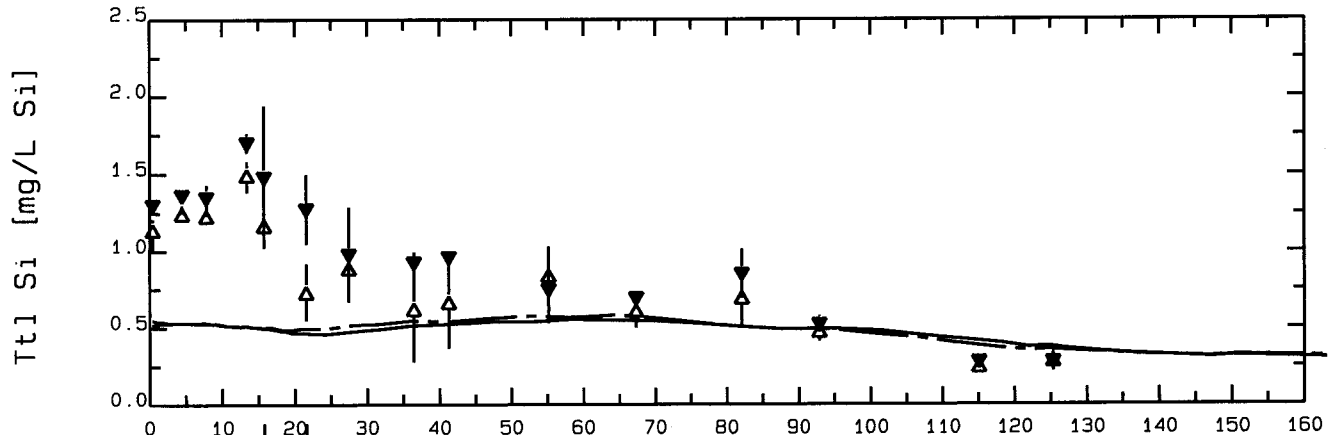
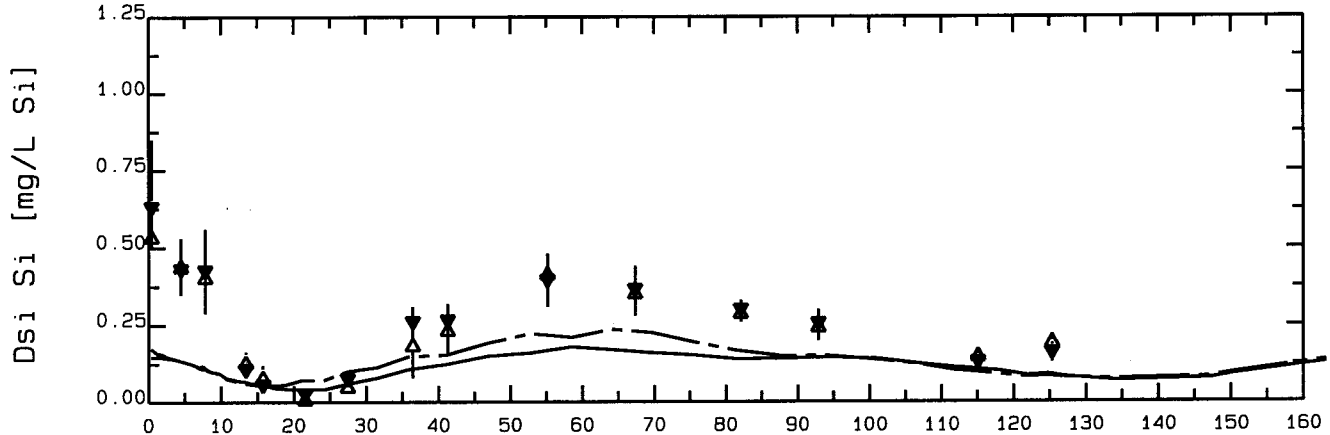
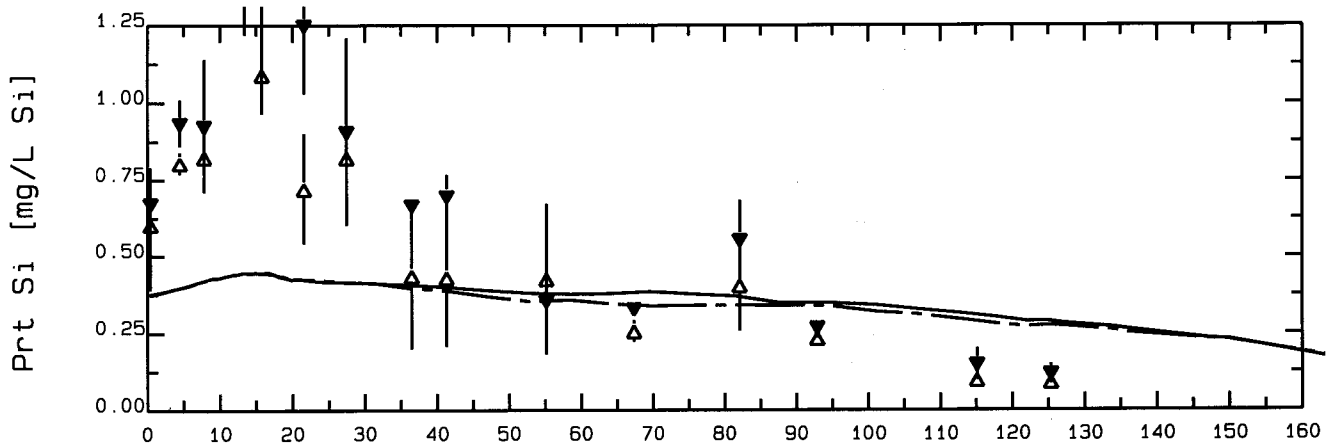
SWEM SPATIAL PROFILE - 8901



EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
 SWEM 1988-89 VALIDATION



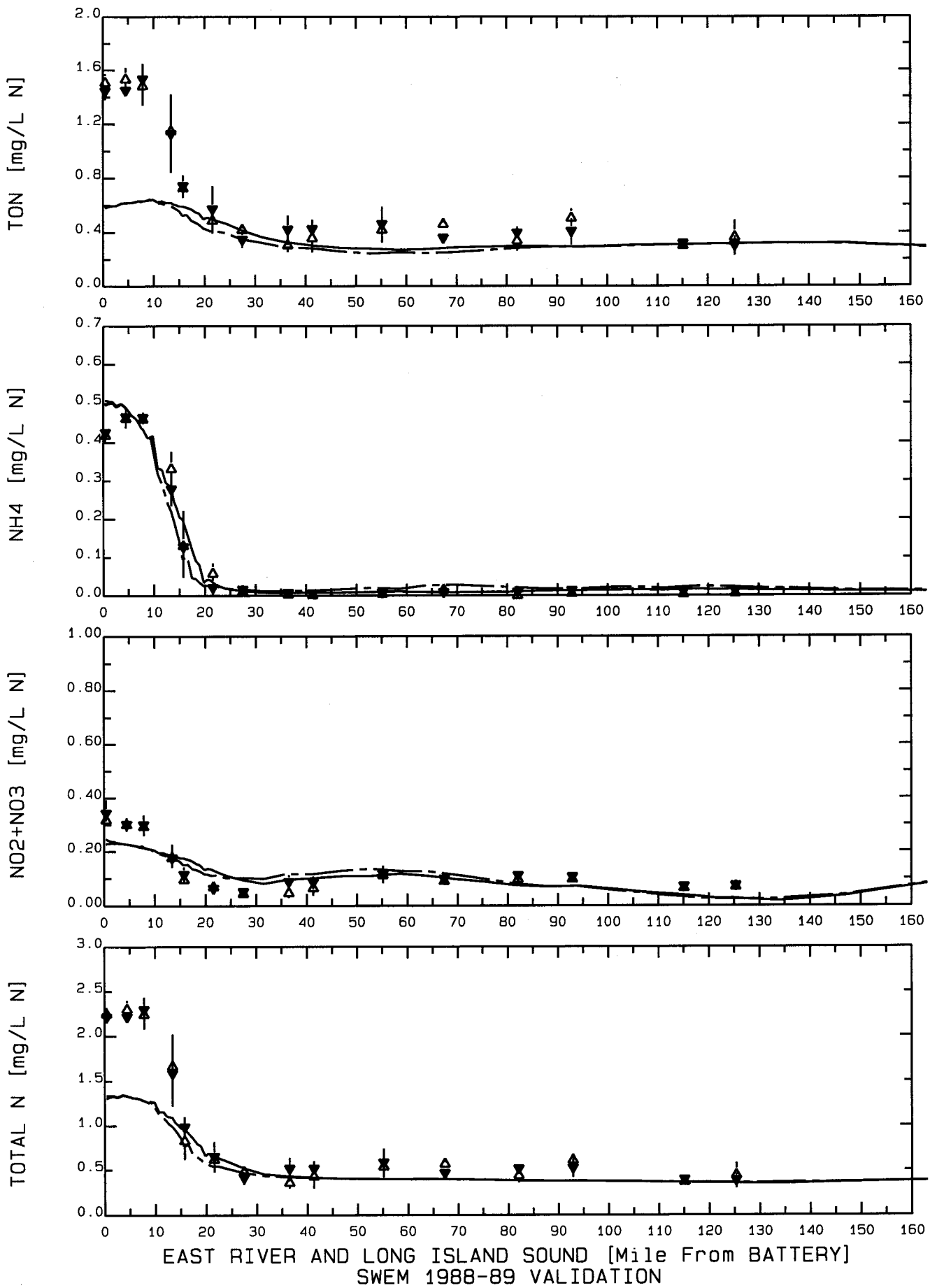
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
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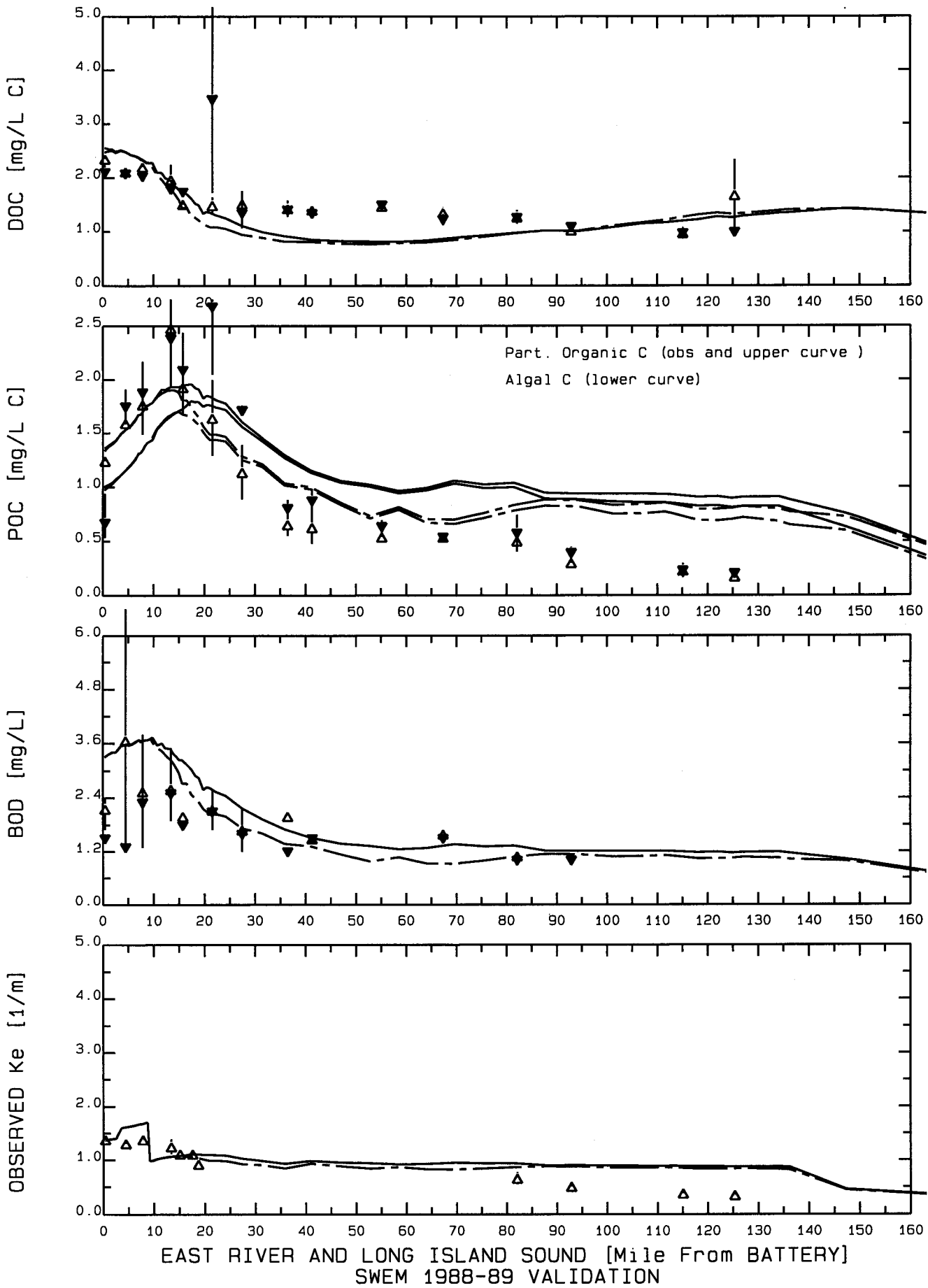
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SWEM SPATIAL PROFILE - 8902



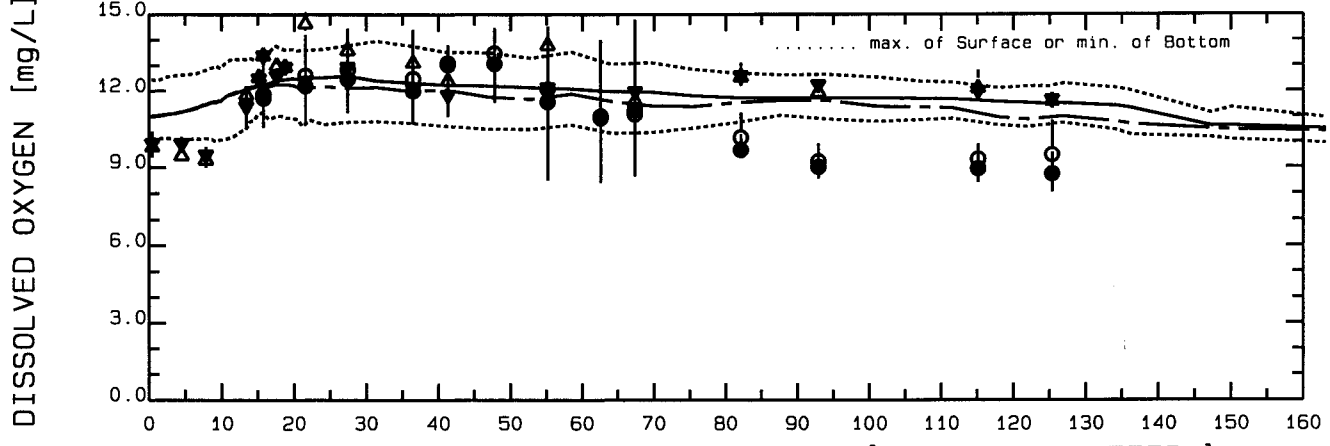
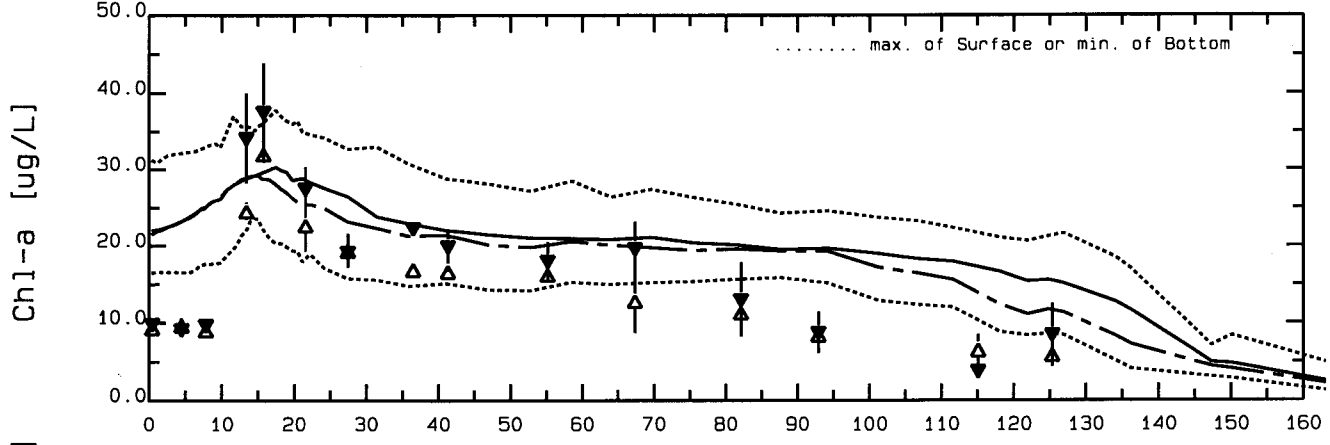
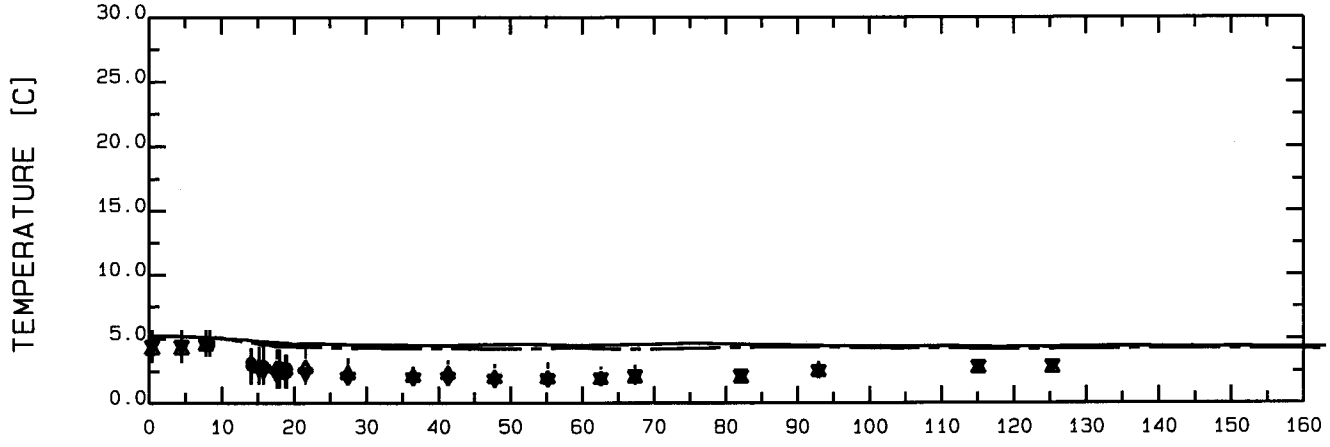
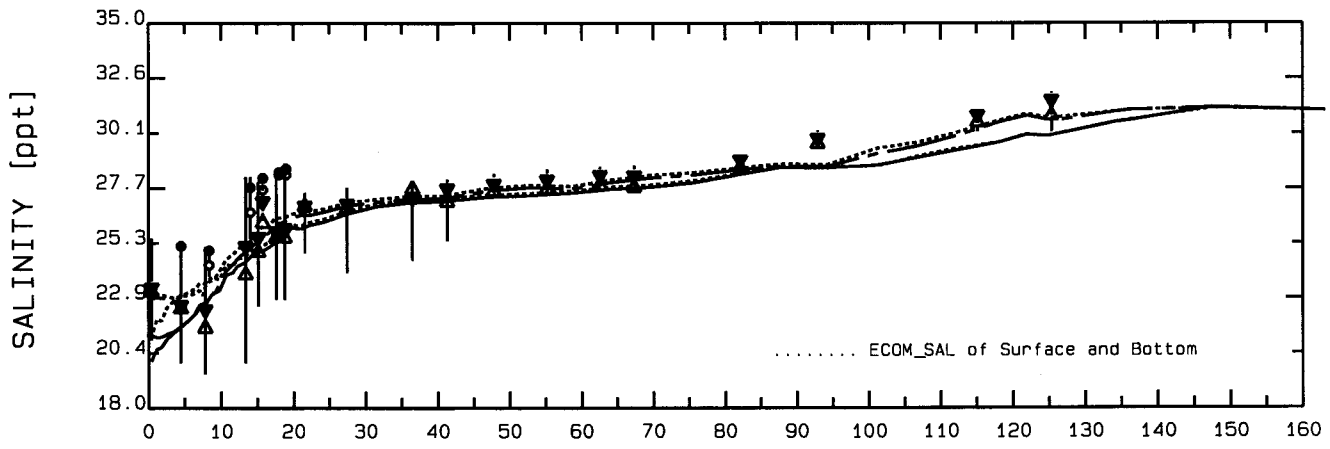
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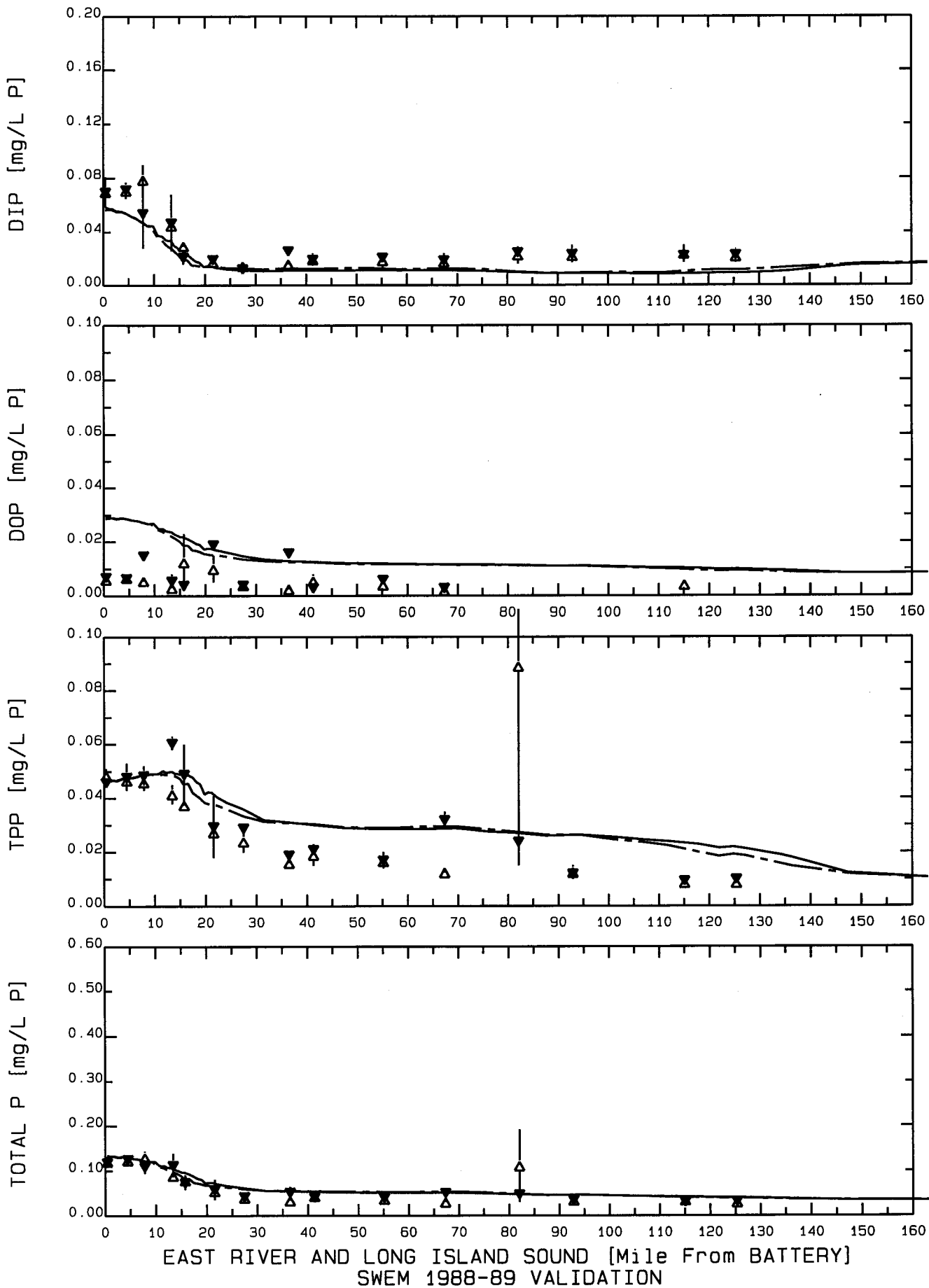
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
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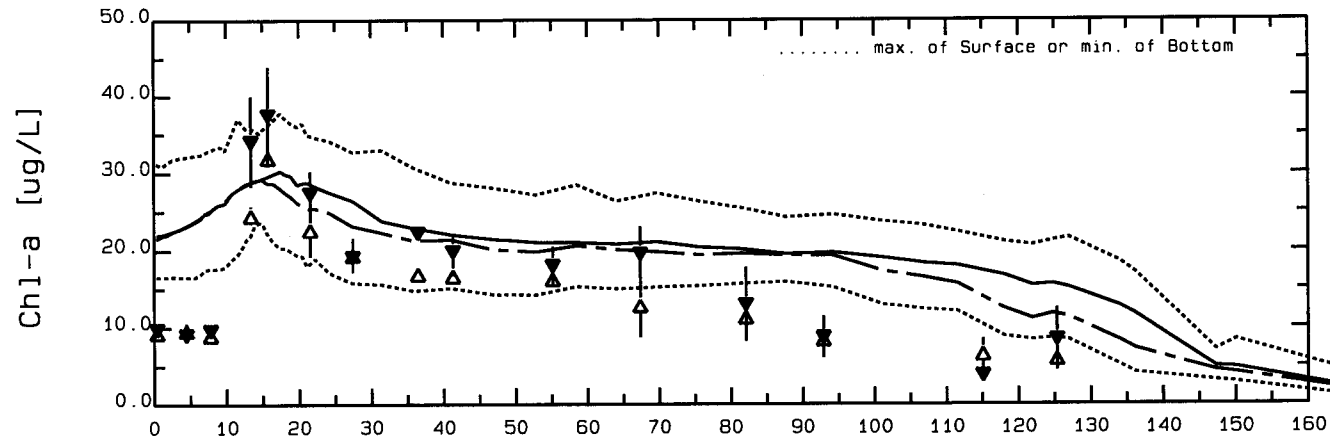
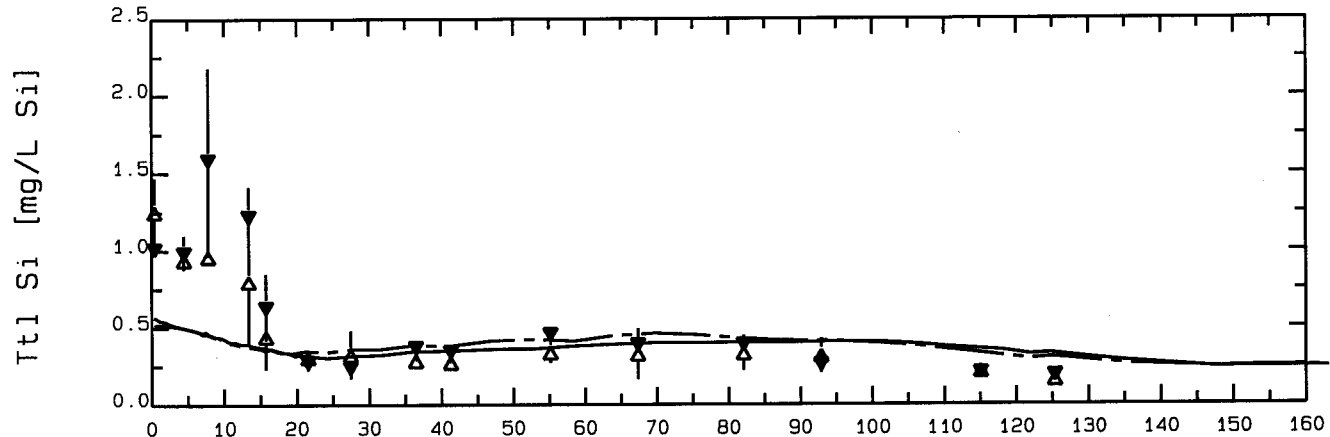
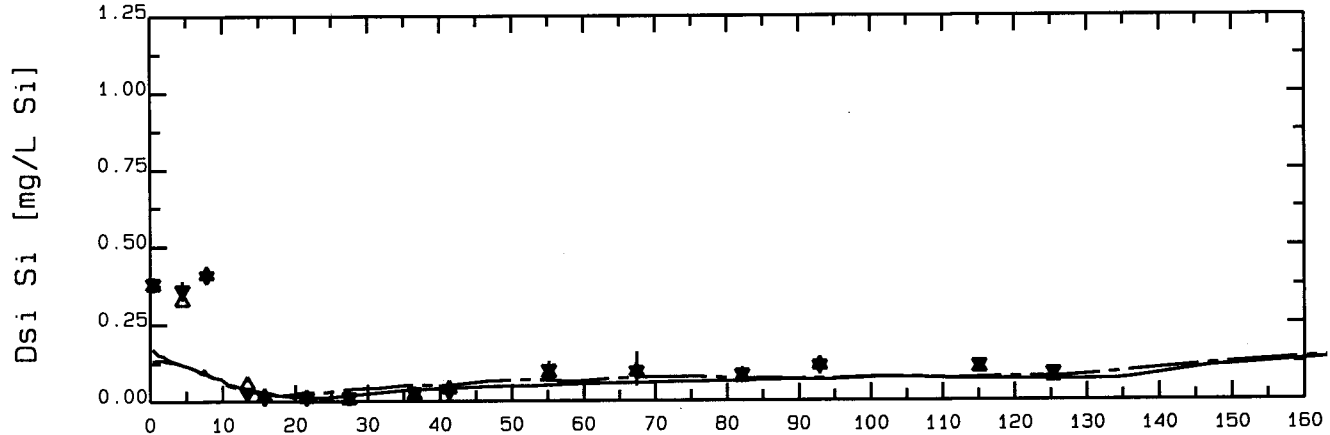
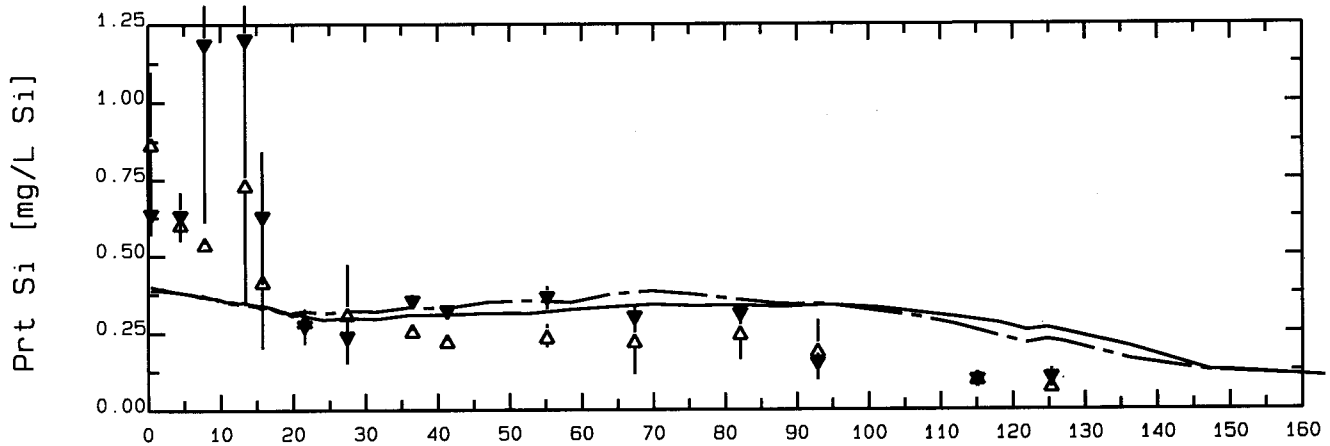
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
 SWEM 1988-89 VALIDATION

SWEM SPATIAL PROFILE - 8903

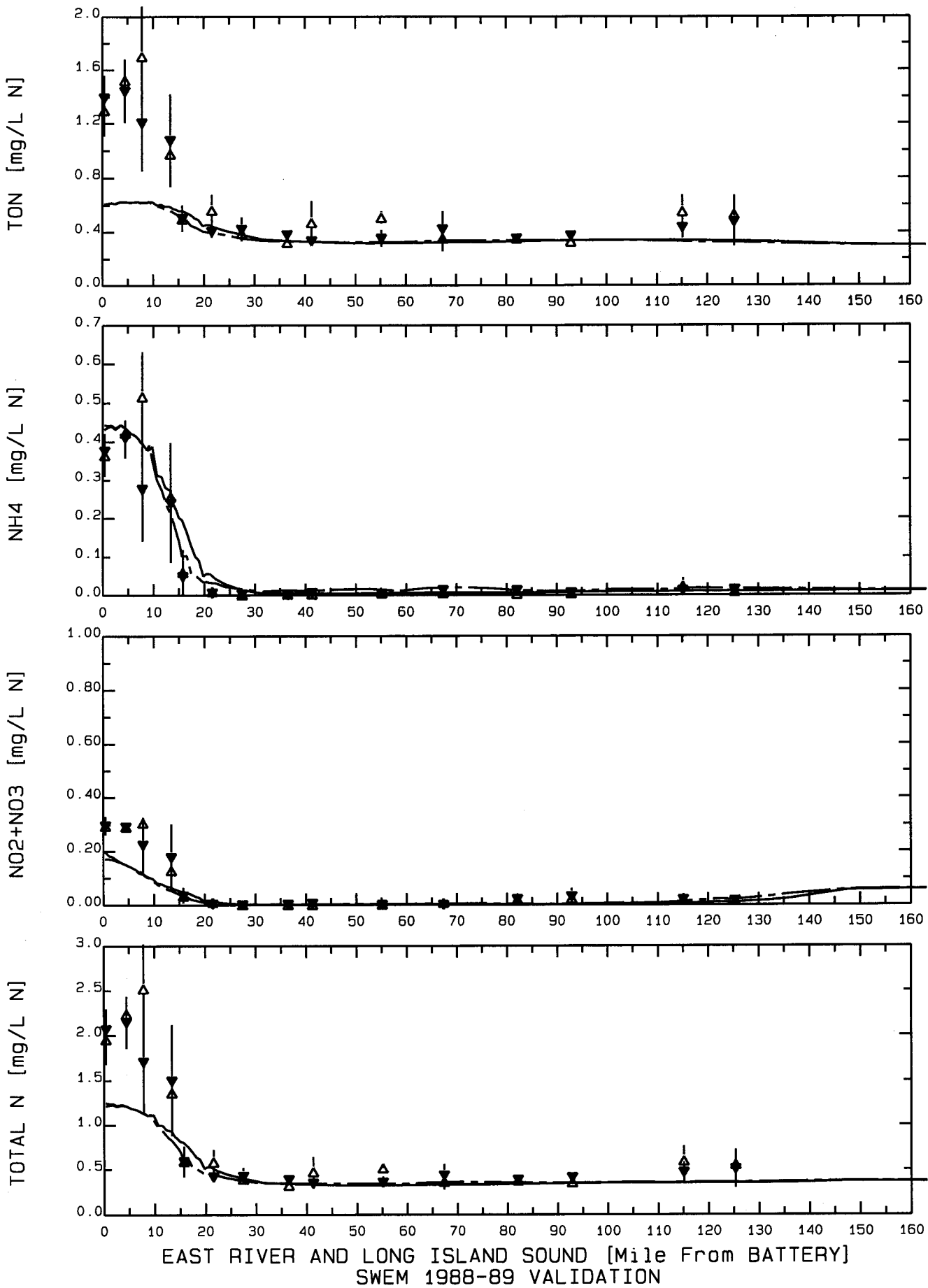
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
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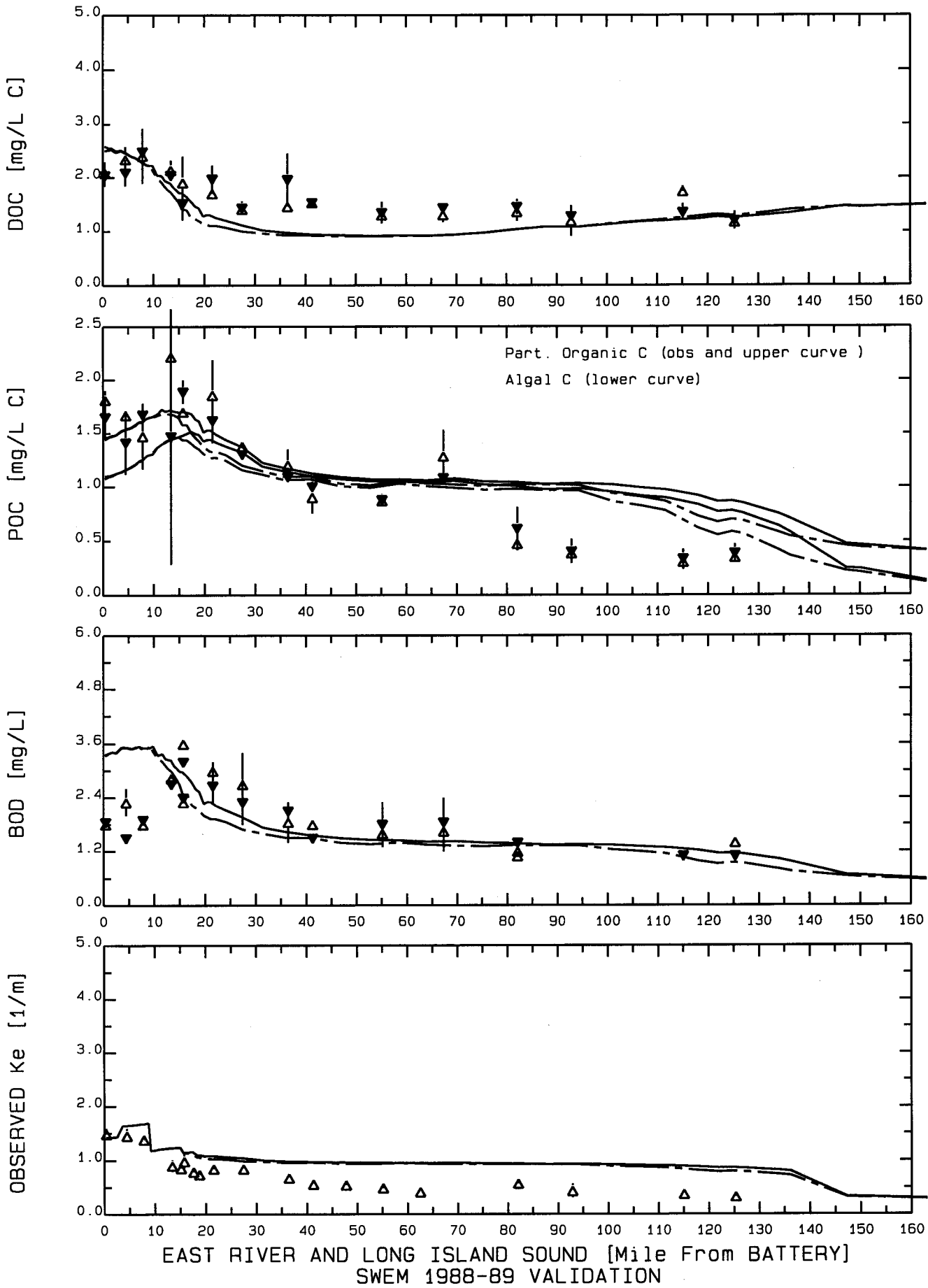
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SWEM SPATIAL PROFILE - 8903

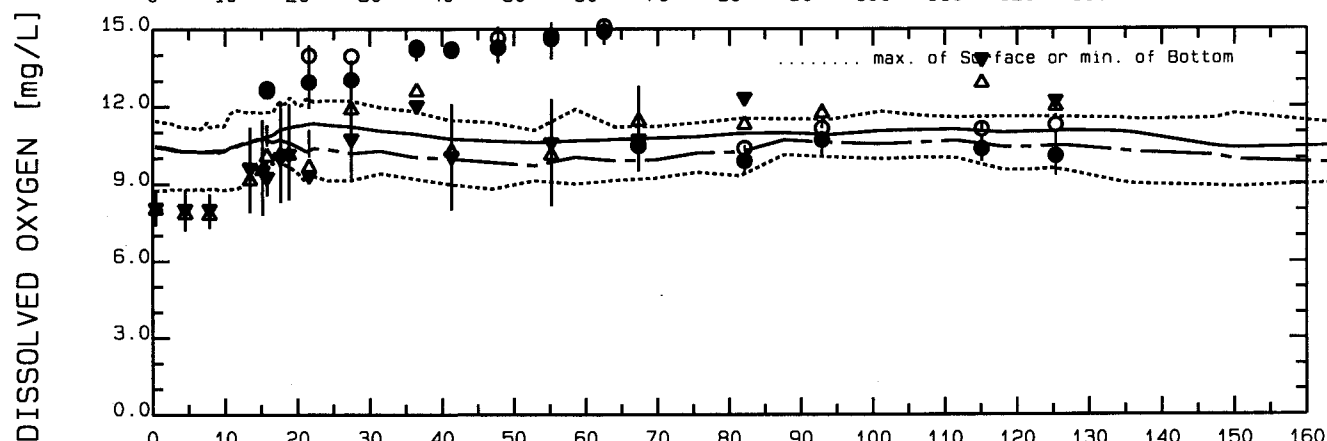
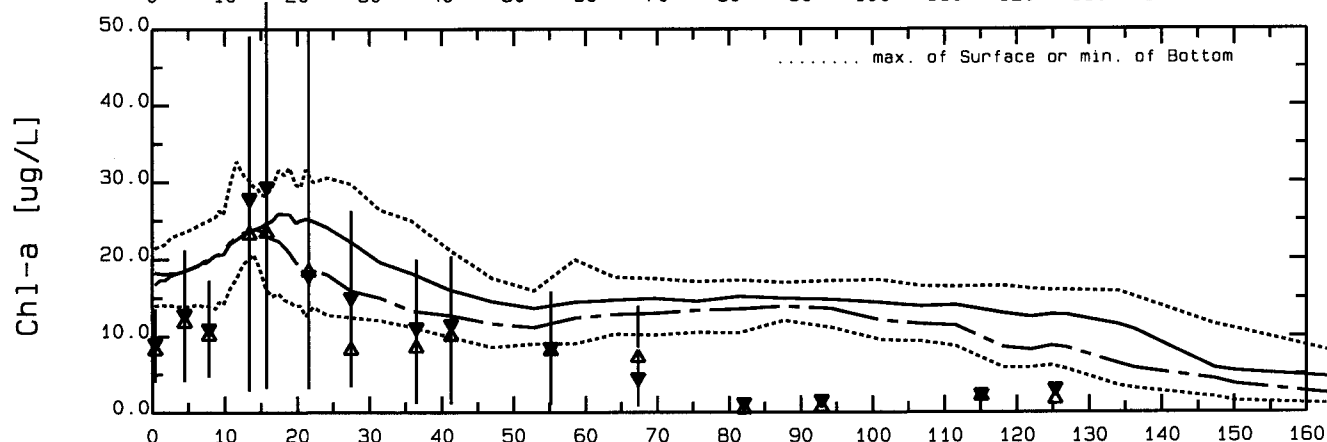
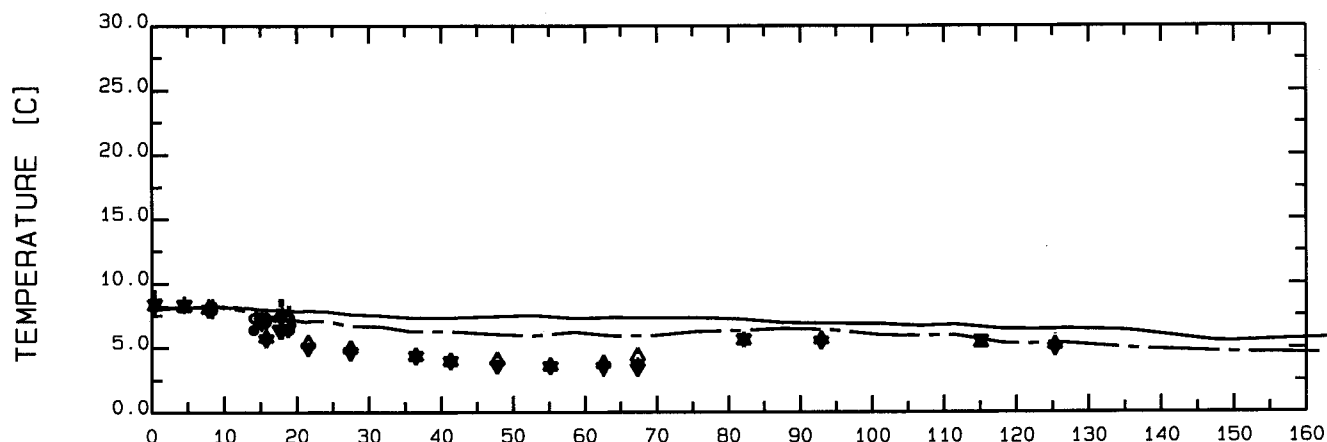
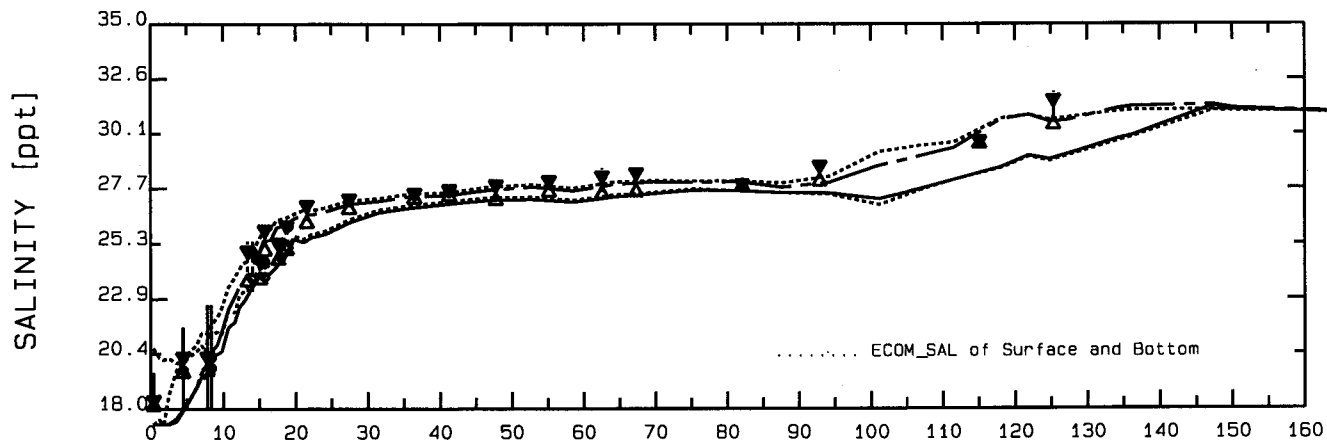
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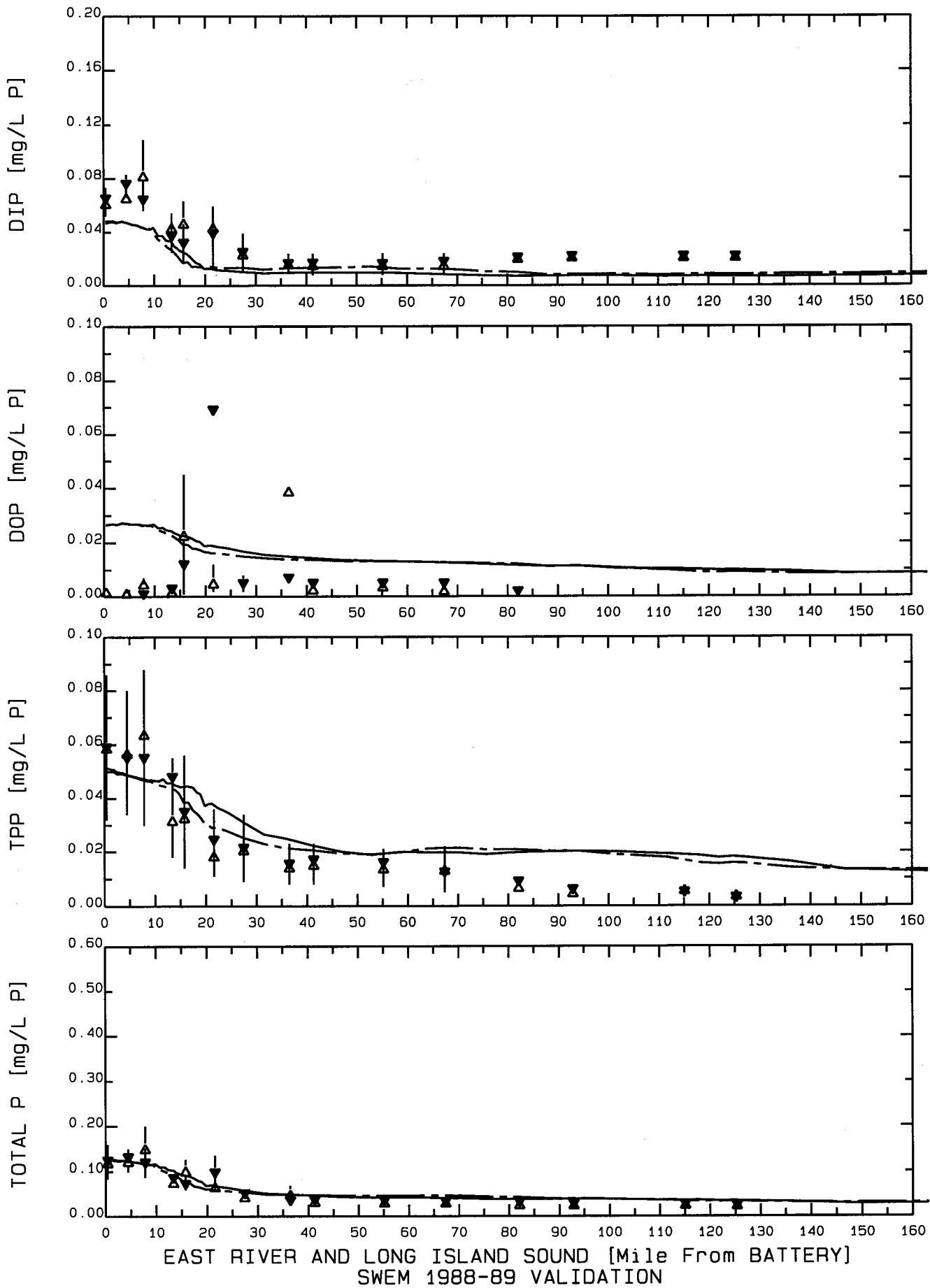
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— SURFACE MODEL
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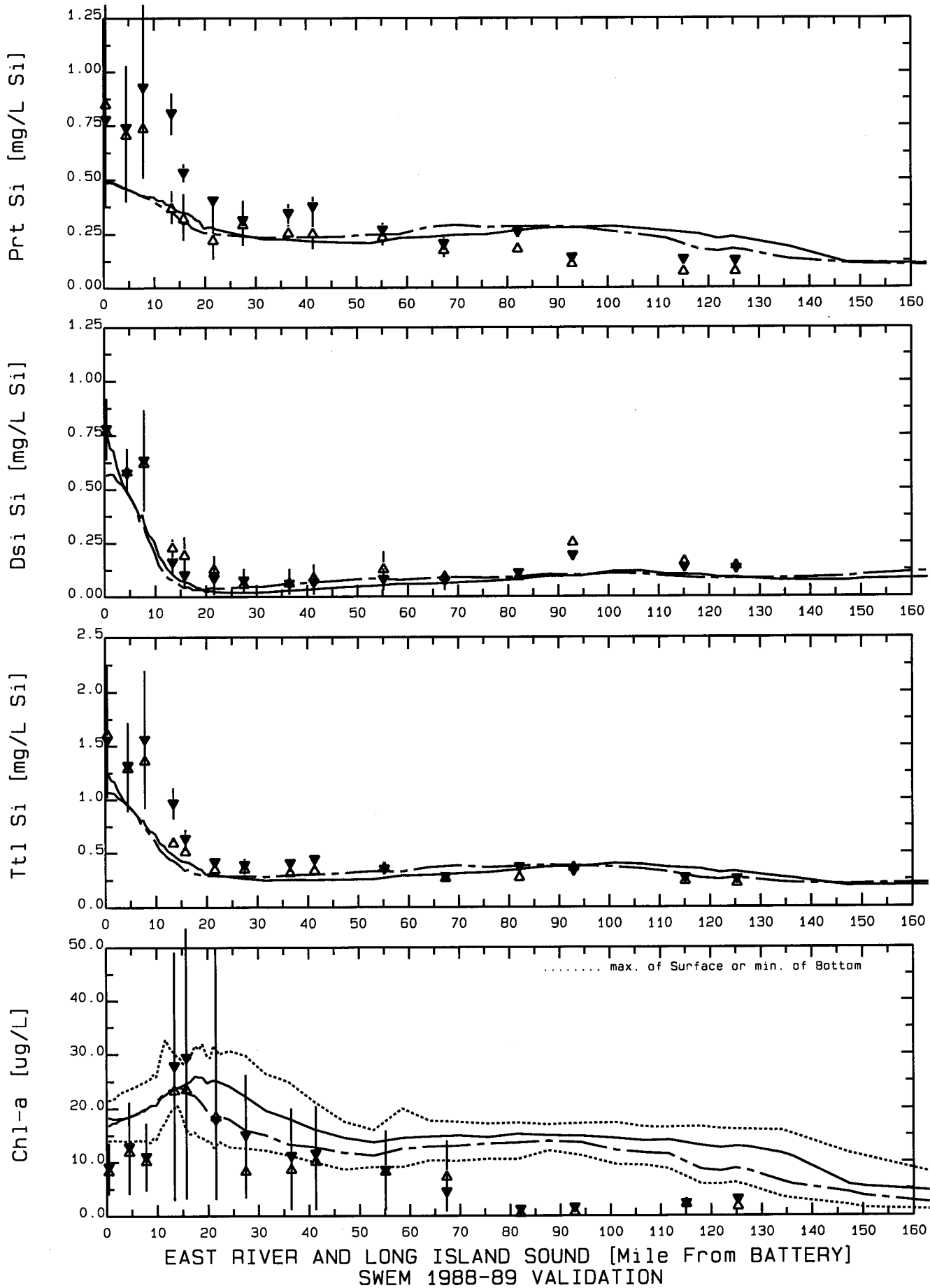
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EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
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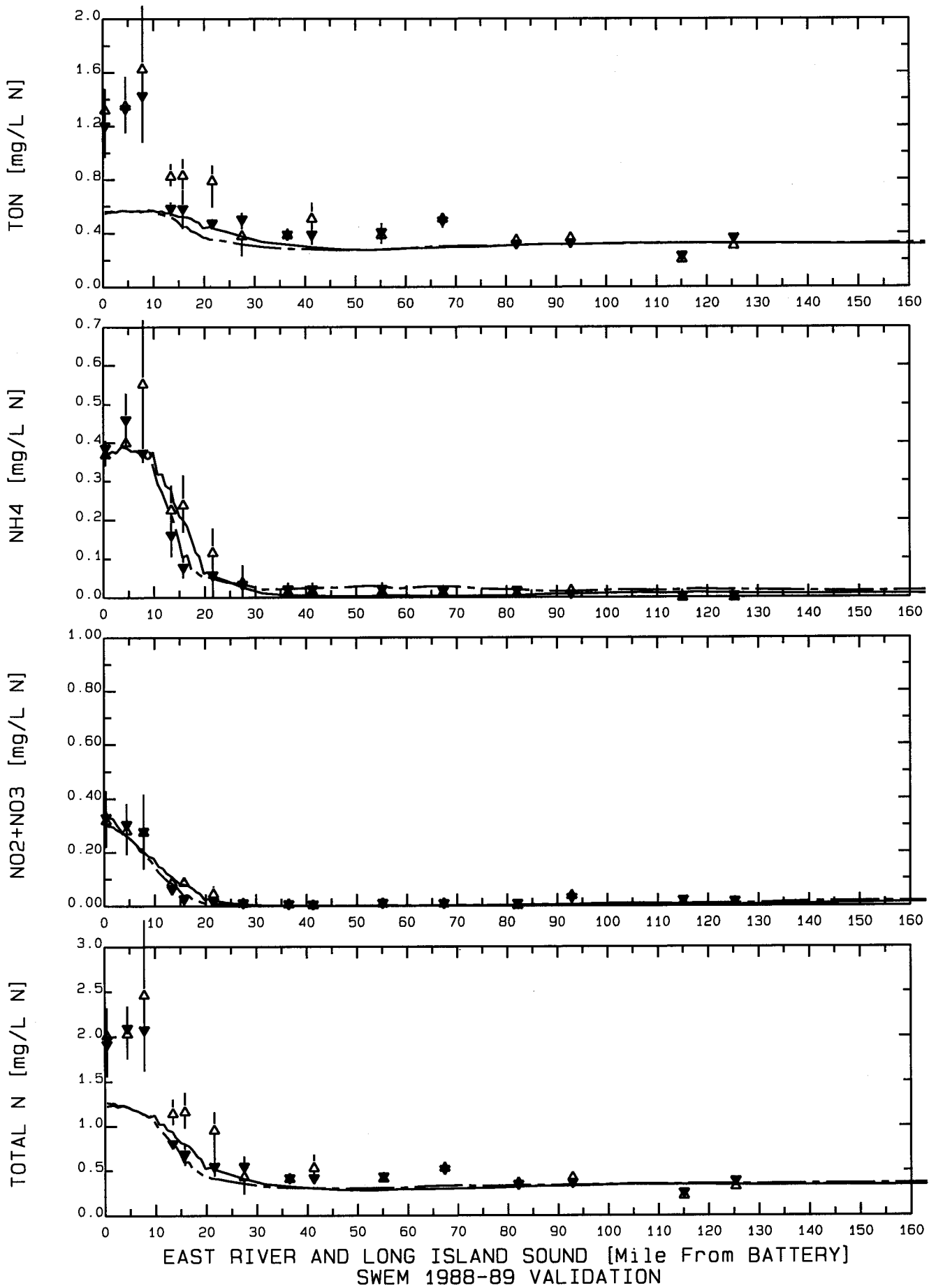
SWEM SPATIAL PROFILE - 8904



EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
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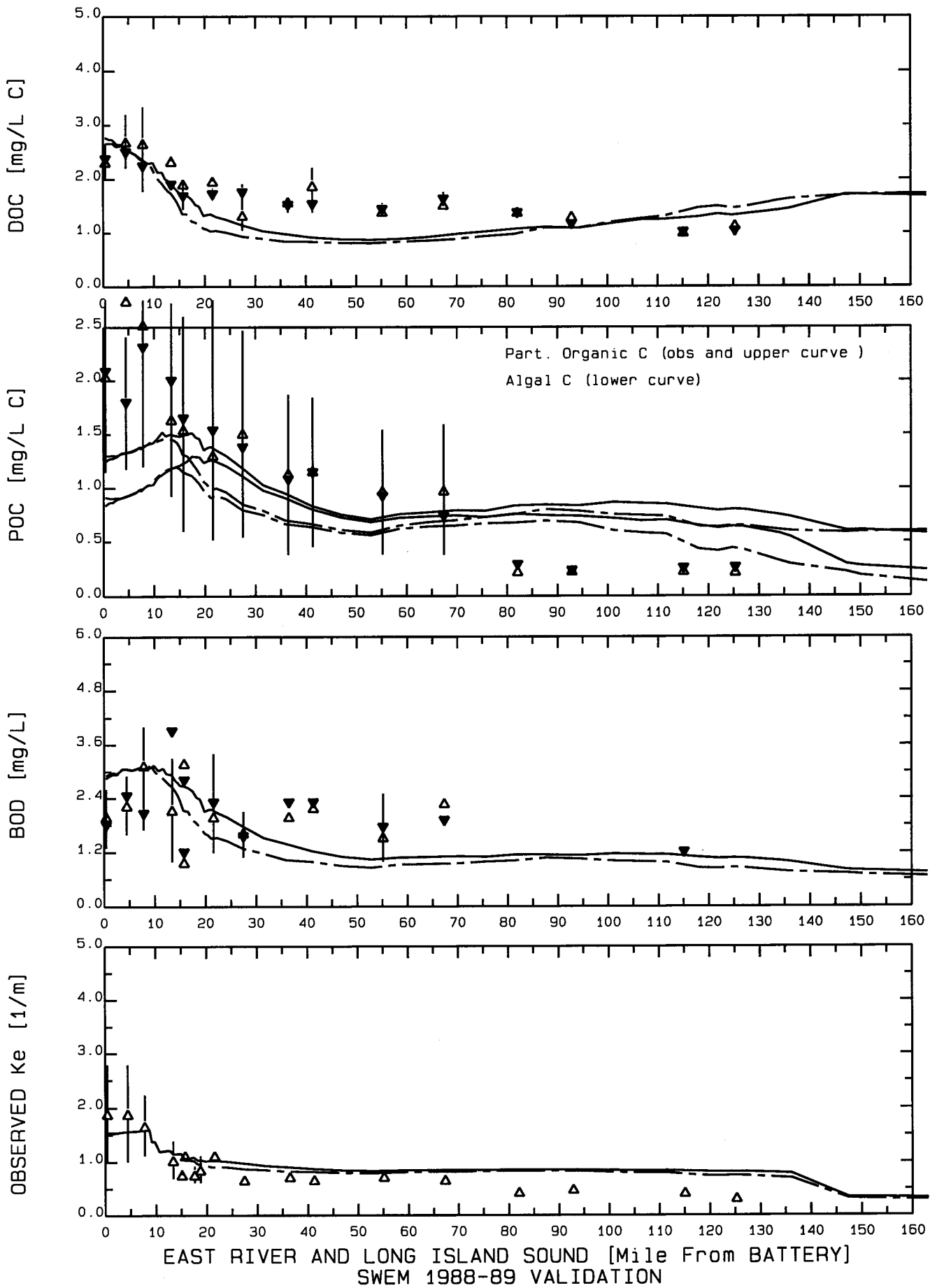
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SWEM SPATIAL PROFILE - 8904

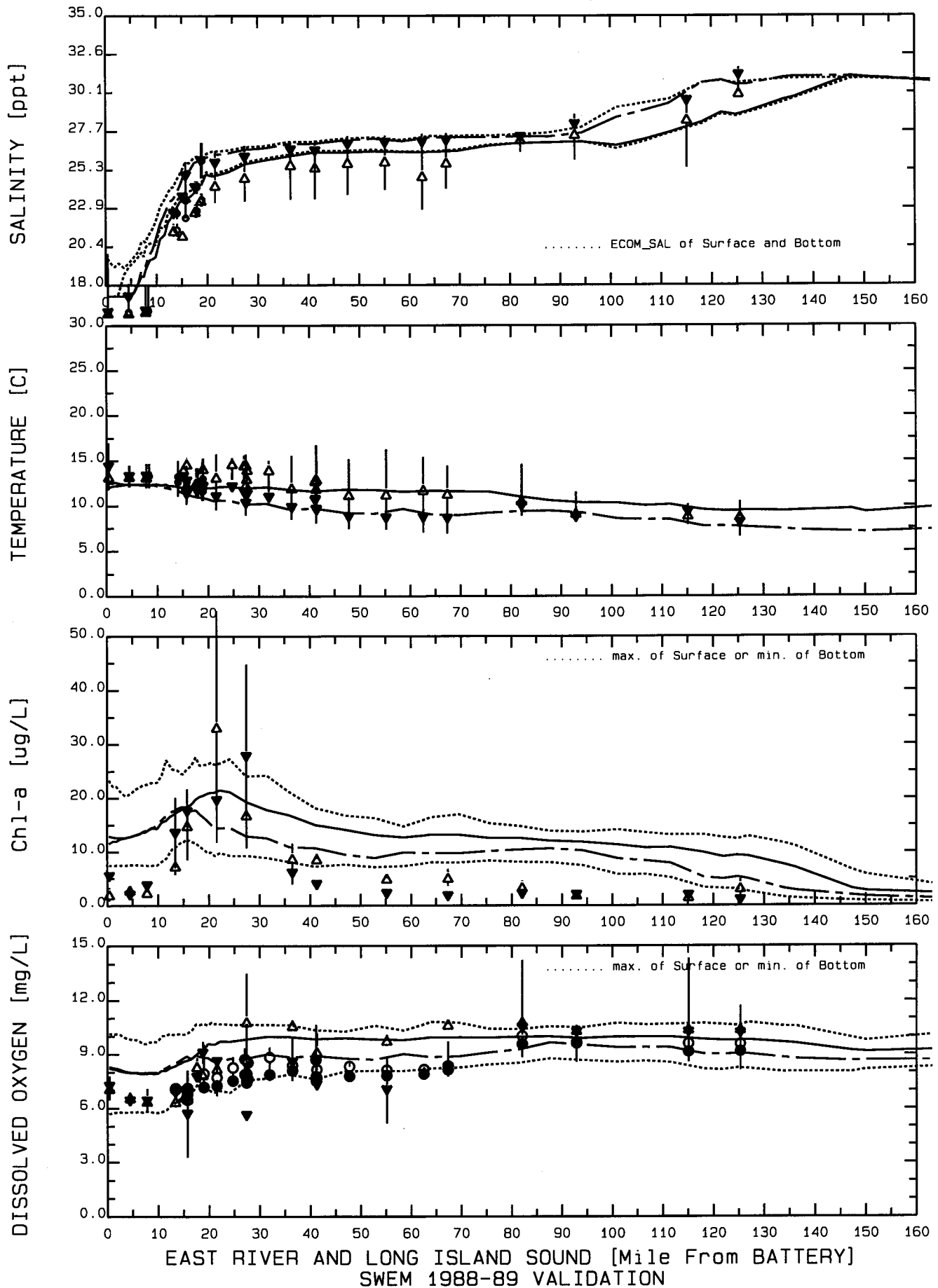


SWEM SPATIAL PROFILE - 8904

— SURFACE MODEL
 - - - BOTTOM MODEL



SWEM SPATIAL PROFILE - 8904



EAST RIVER AND LONG ISLAND SOUND [Mile From BATTERY]
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