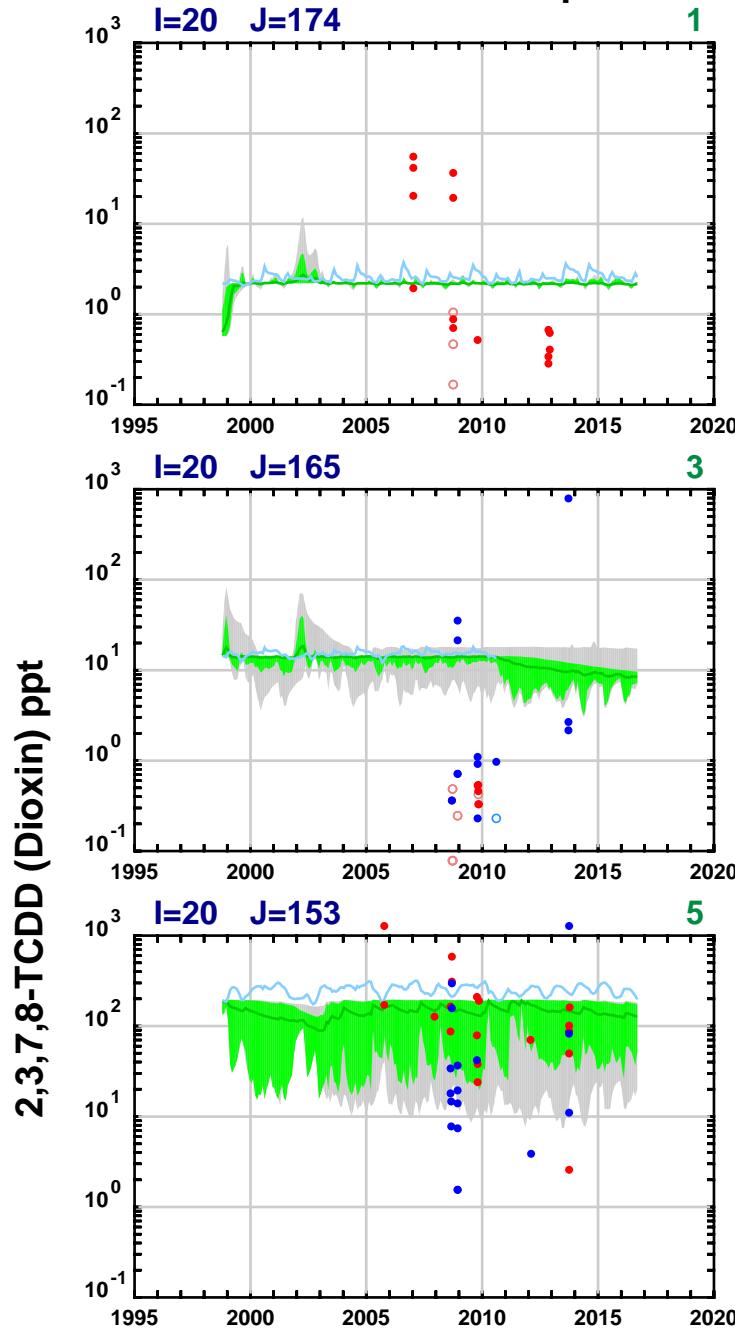


APPENDIX 13

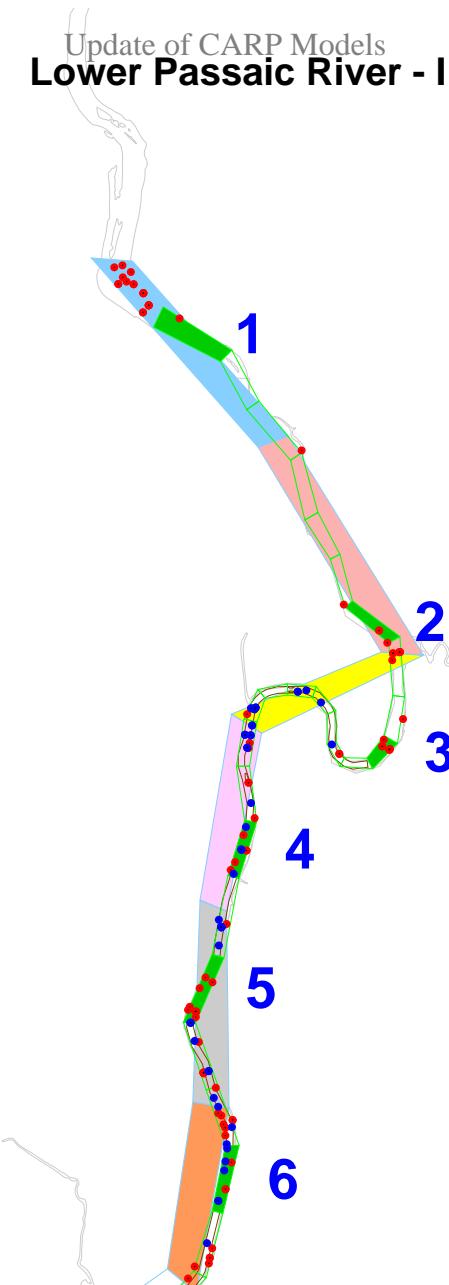
Contaminant Concentrations in the Sediment Bed Model and Measurement Comparisons Results Diagrams, Calibration, Various Measurement Programs, Ninety-Five Locations throughout NY/NJ Harbor, 1998-2016 Water Years

- **solids normalized results**
 - 2,3,7,8-TCDD
 - 2,3,4,7,8-PCDF
 - di-CB
 - tetra-CB
 - hexa-CB
 - octa-CB
 - PCB summation
- **organic carbon normalized results**
 - 2,3,7,8-TCDD
 - 2,3,4,7,8-PCDF
 - di-CB
 - tetra-CB
 - hexa-CB
 - octa-CB
 - PCB summation

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I



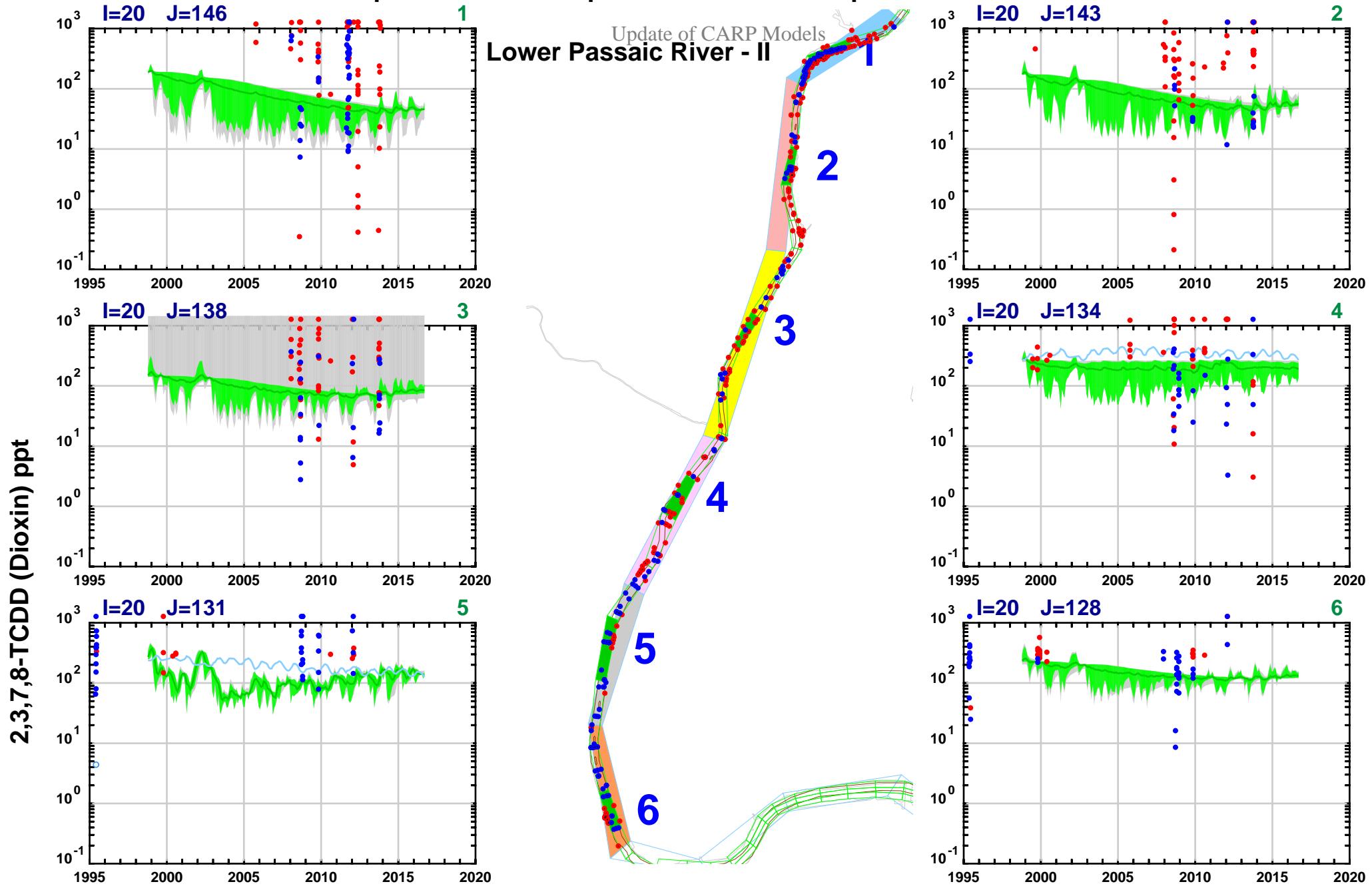
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



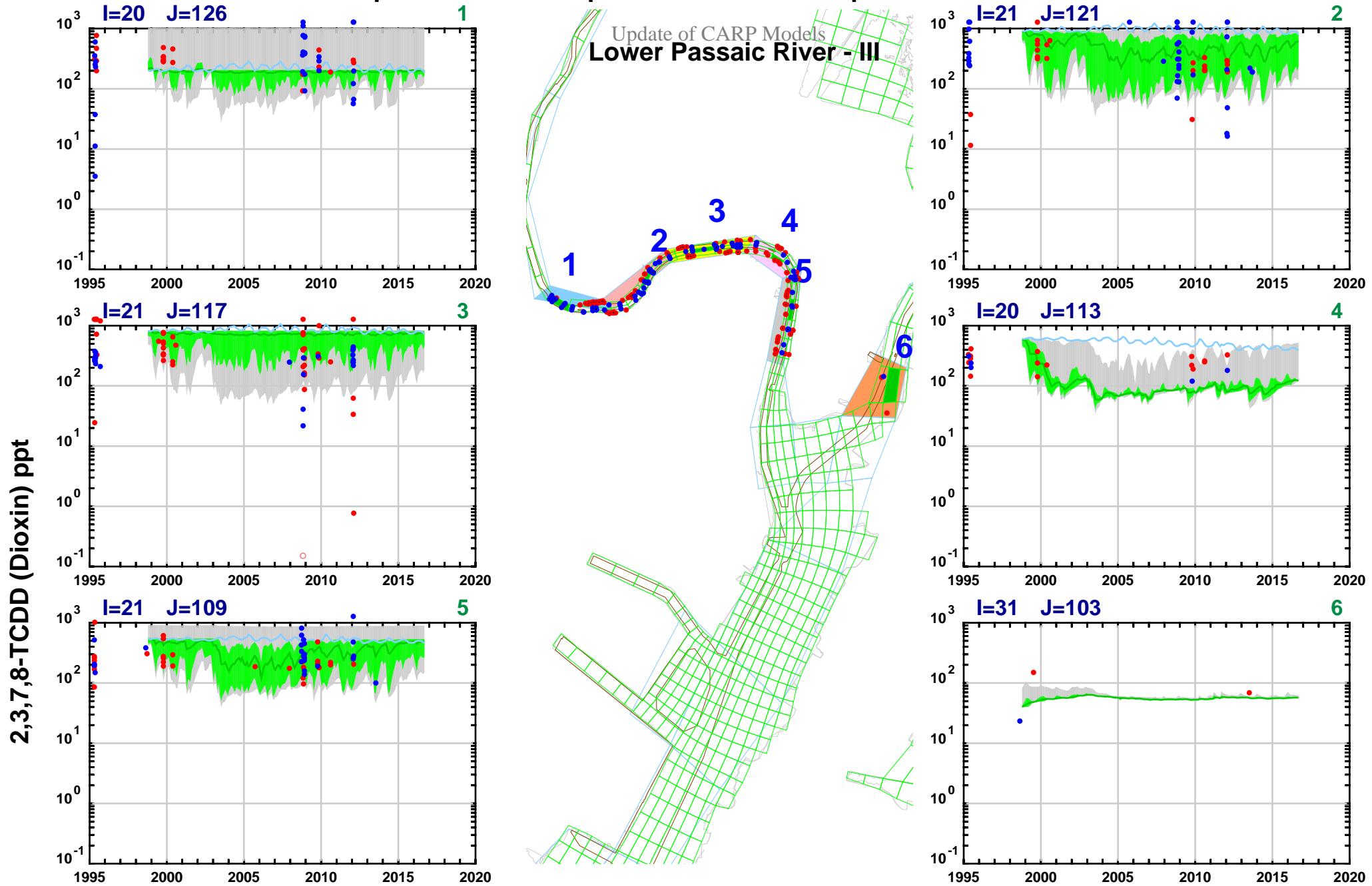
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

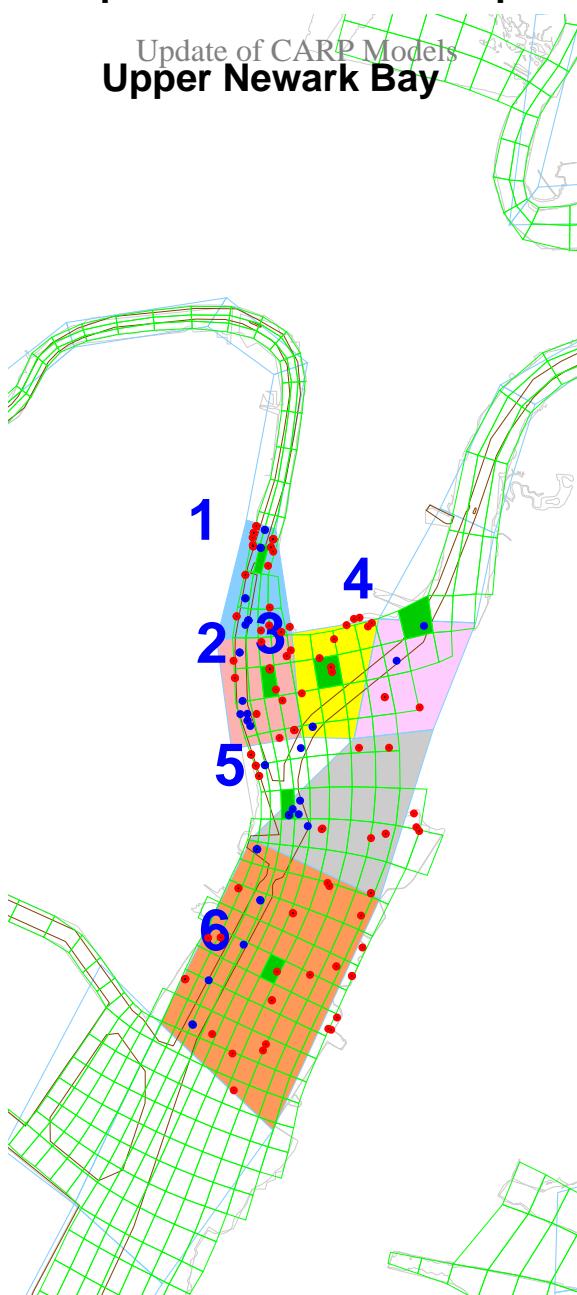
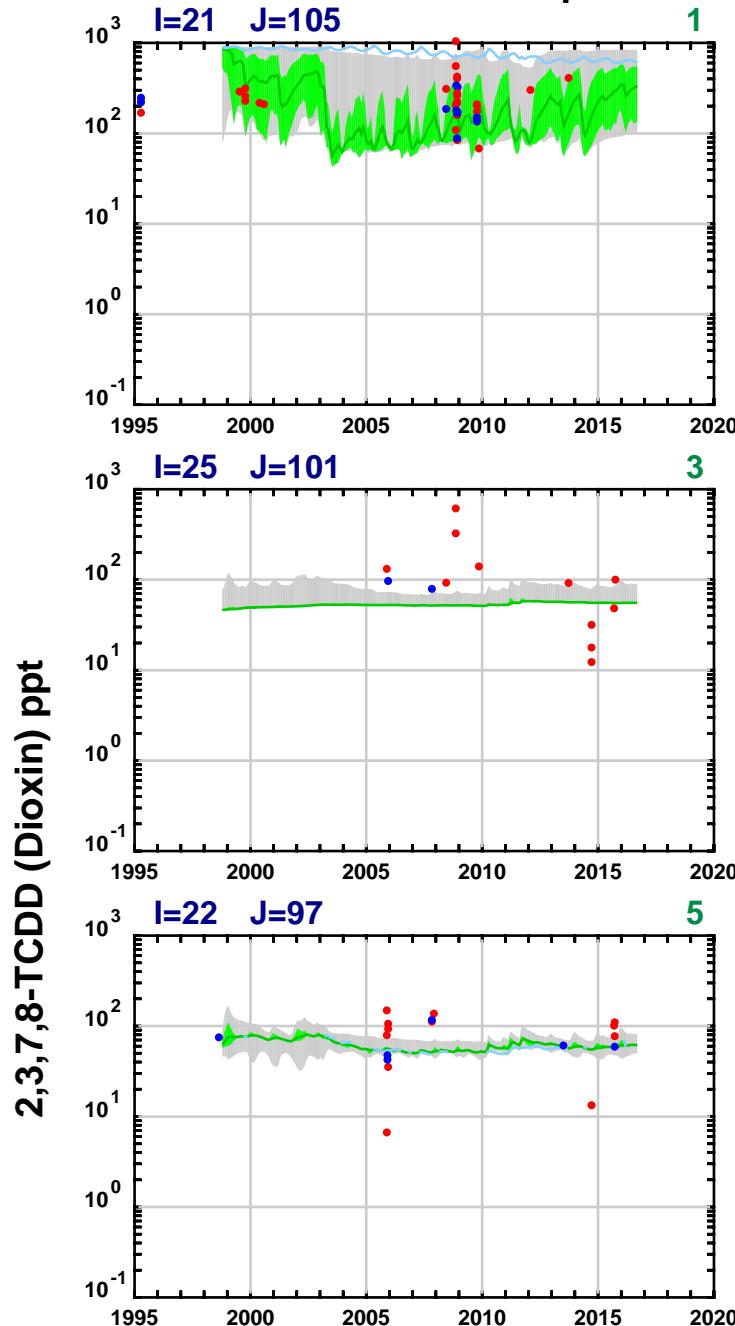
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 13 Page 4 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

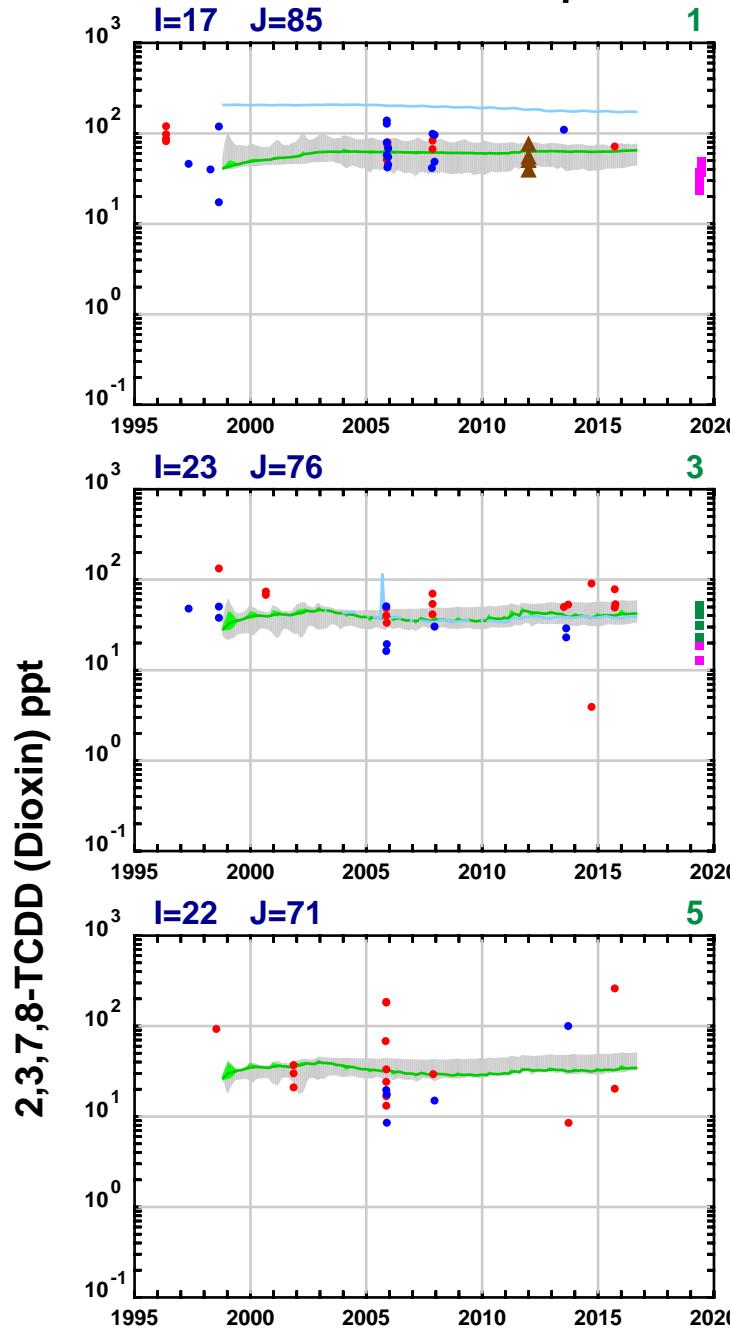


- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay

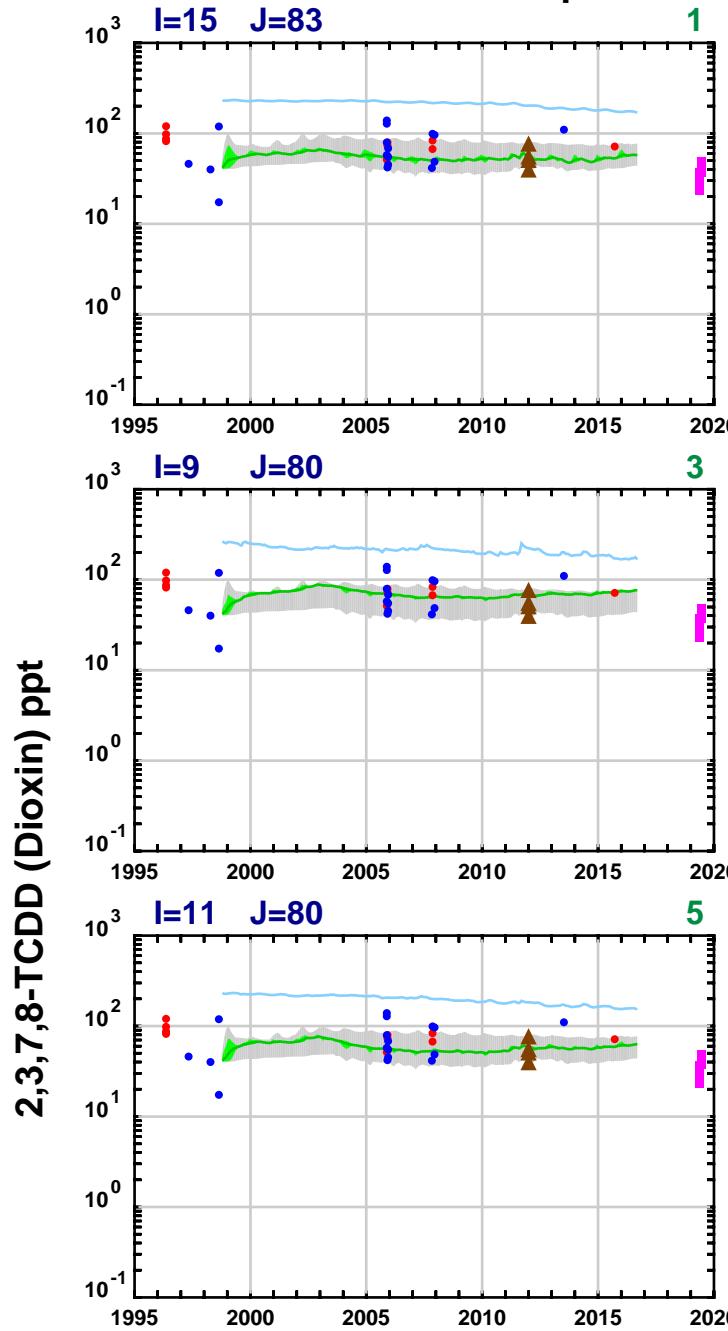


- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

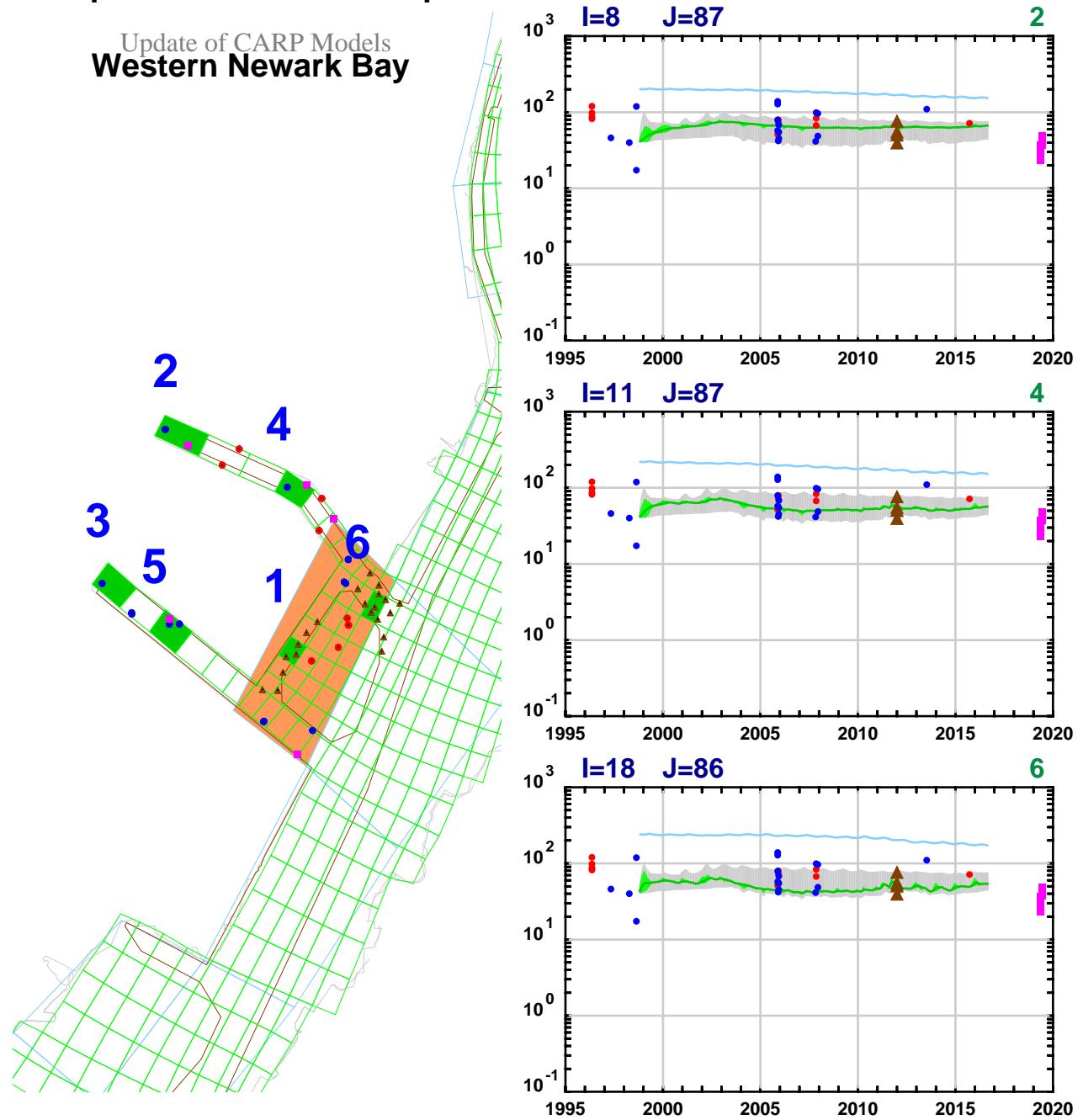
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay



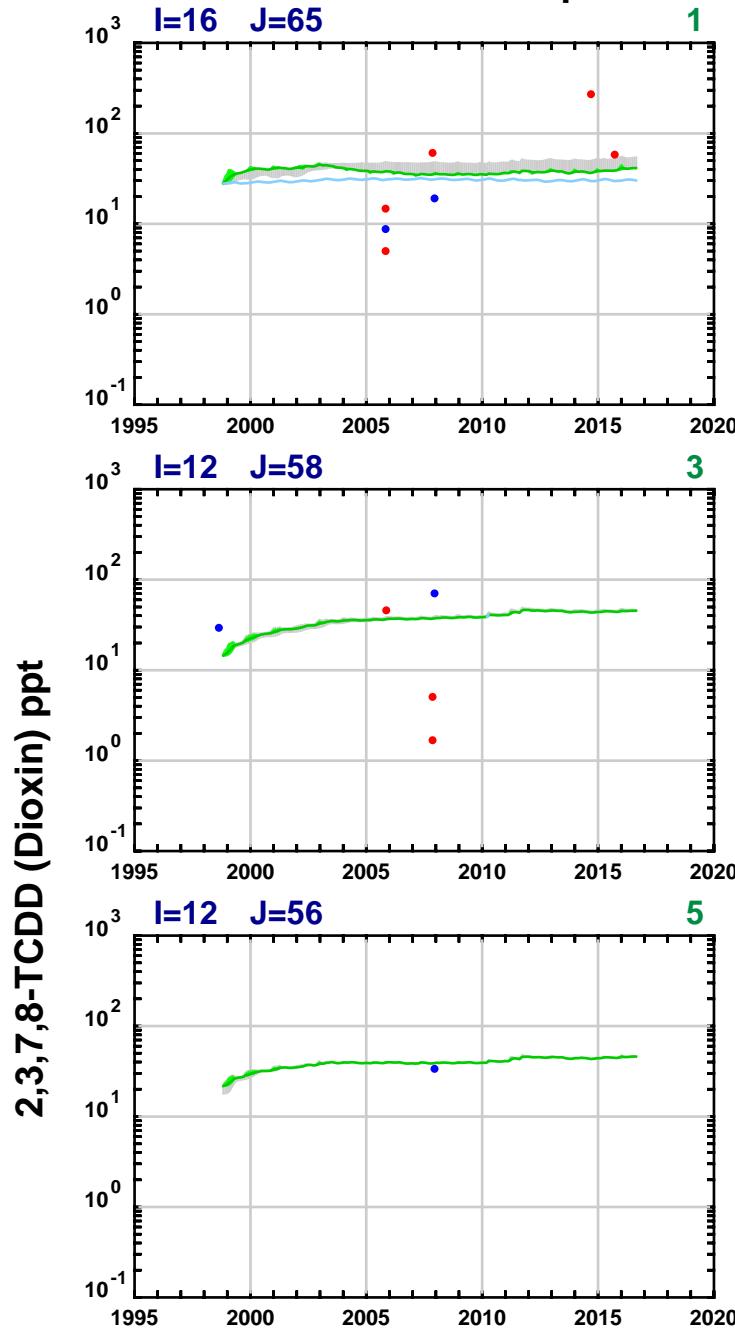
RUN18

Model: mean and range of values in top sediment

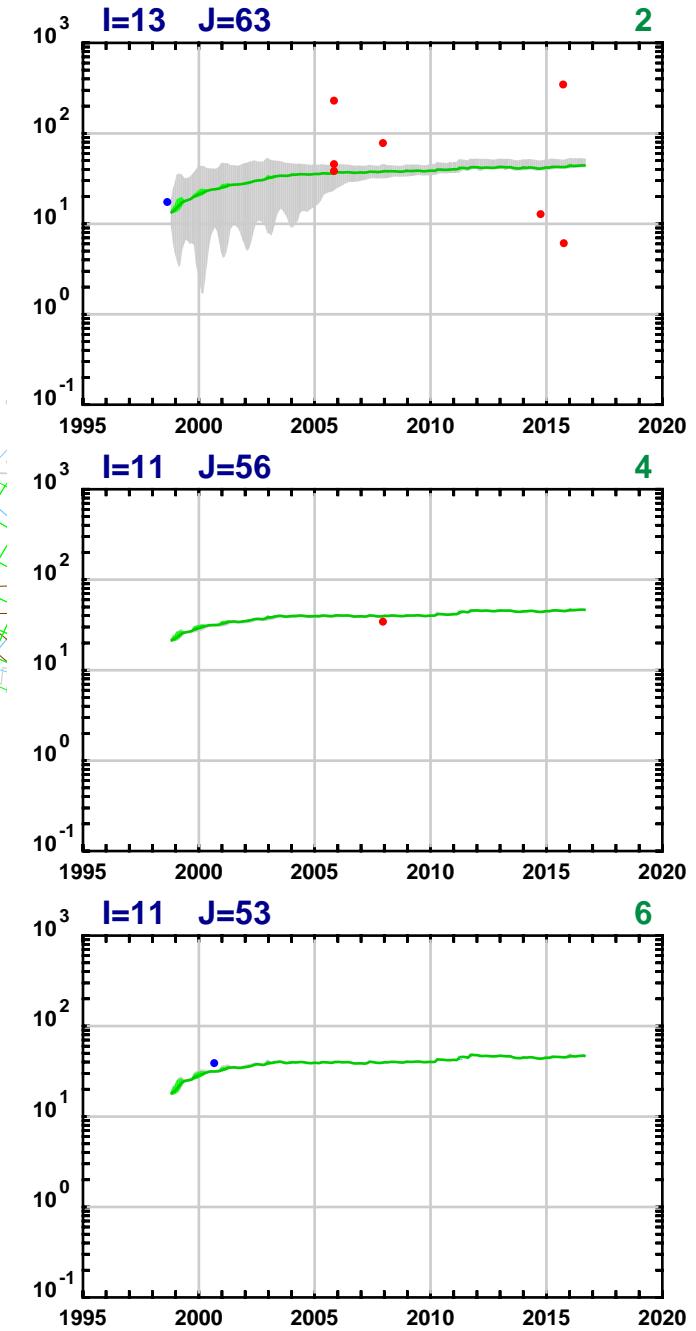
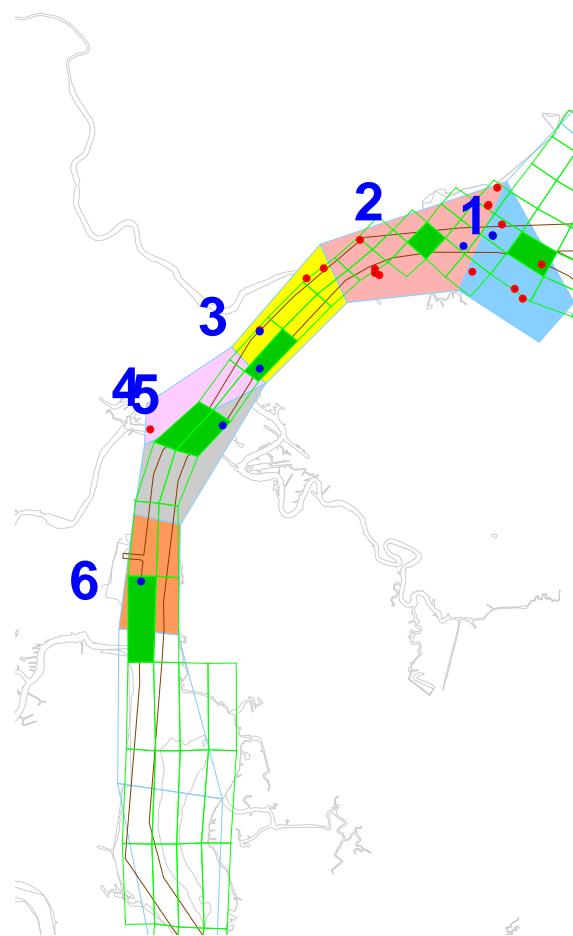
Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1



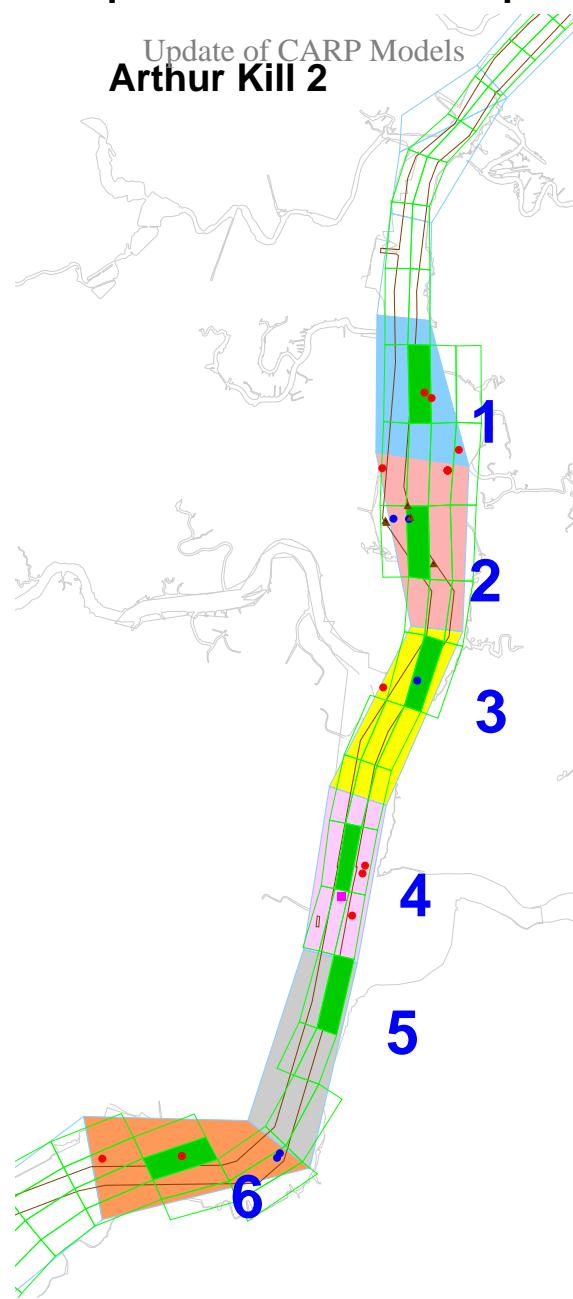
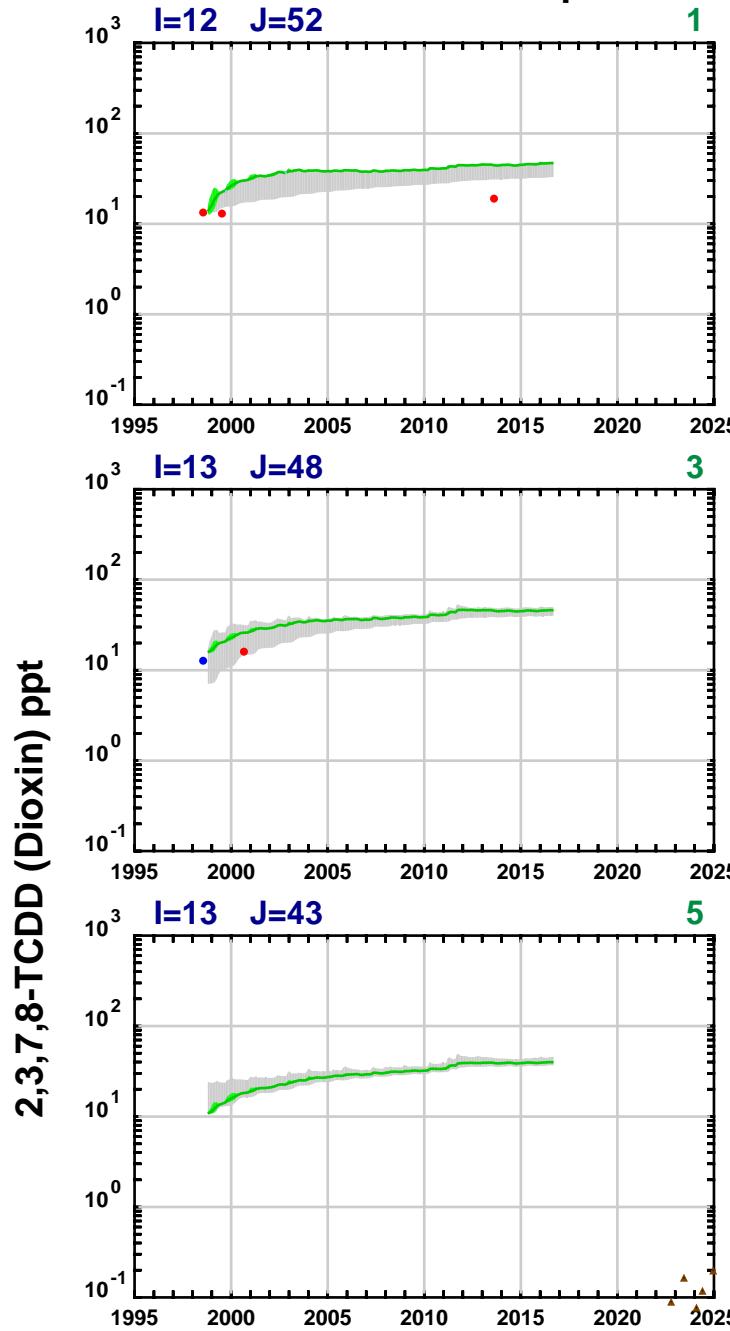
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

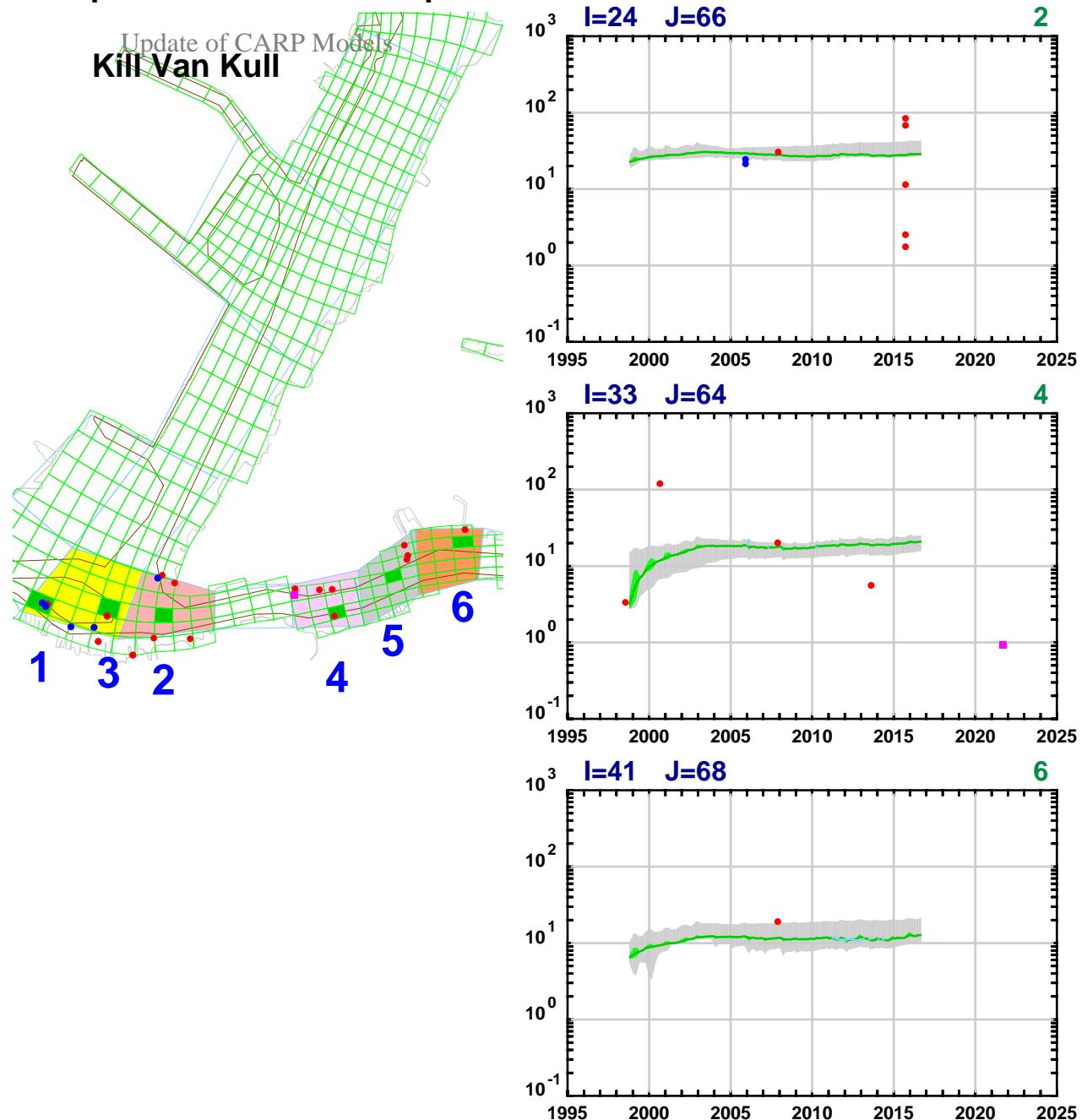
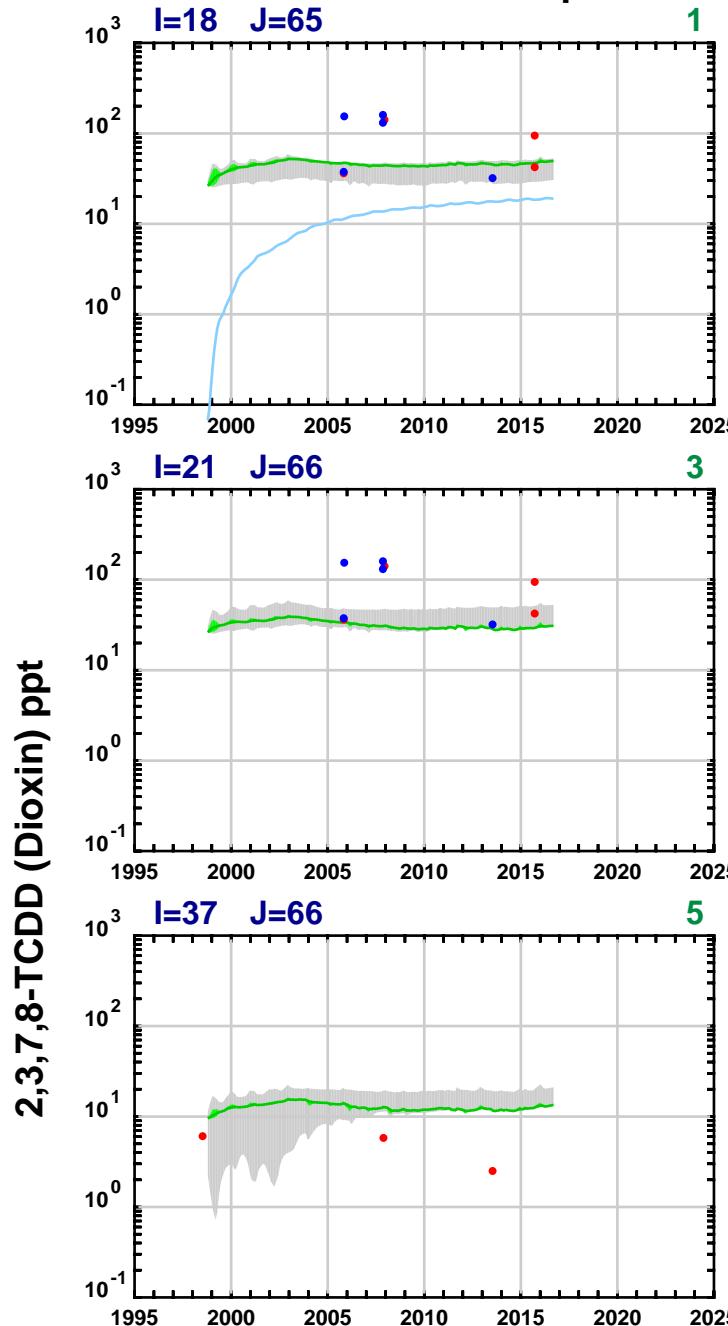


- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



RUN18

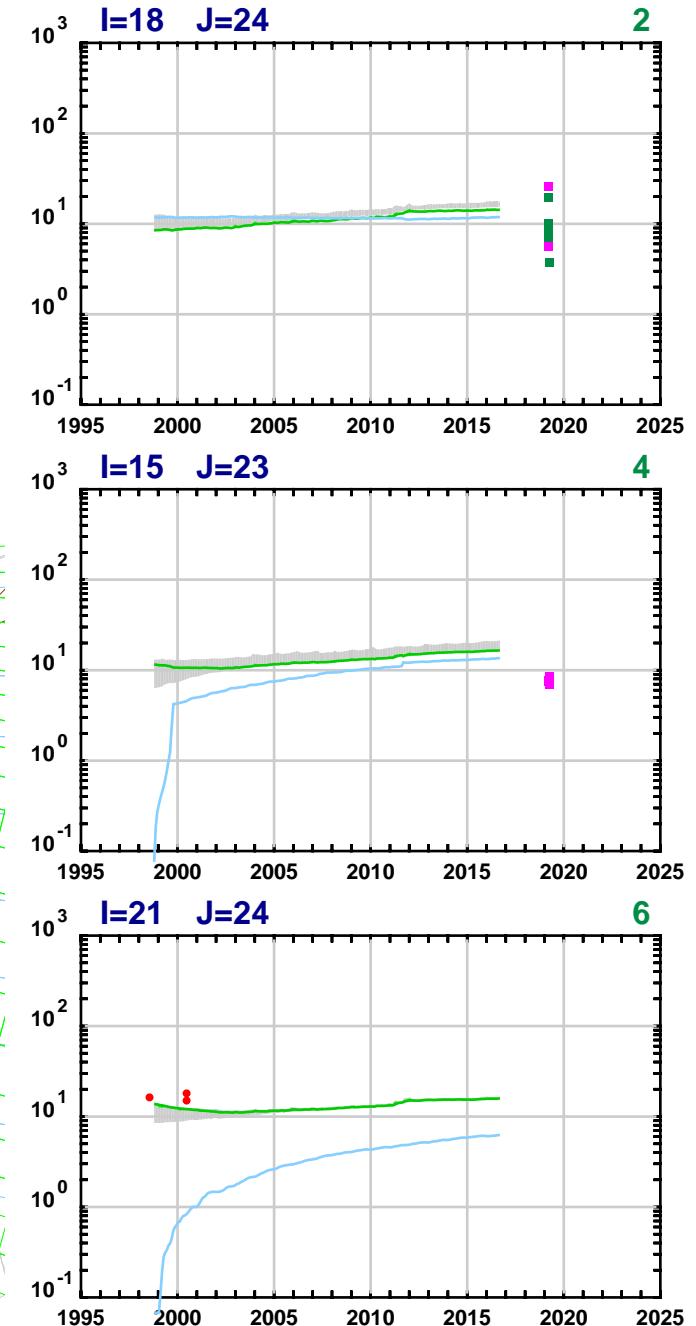
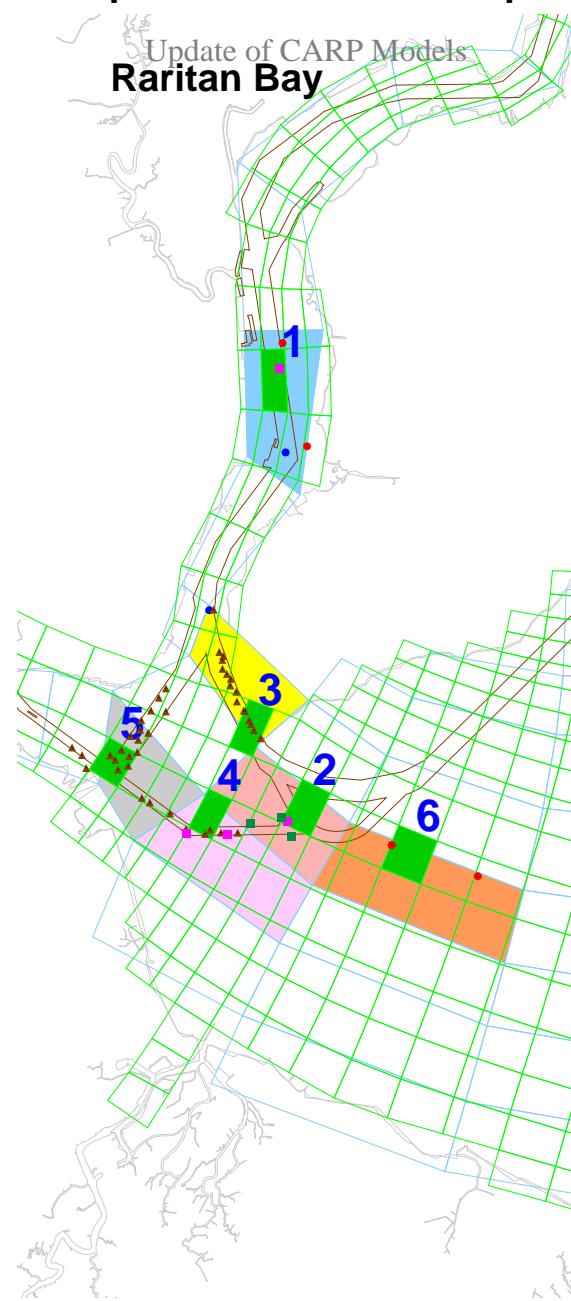
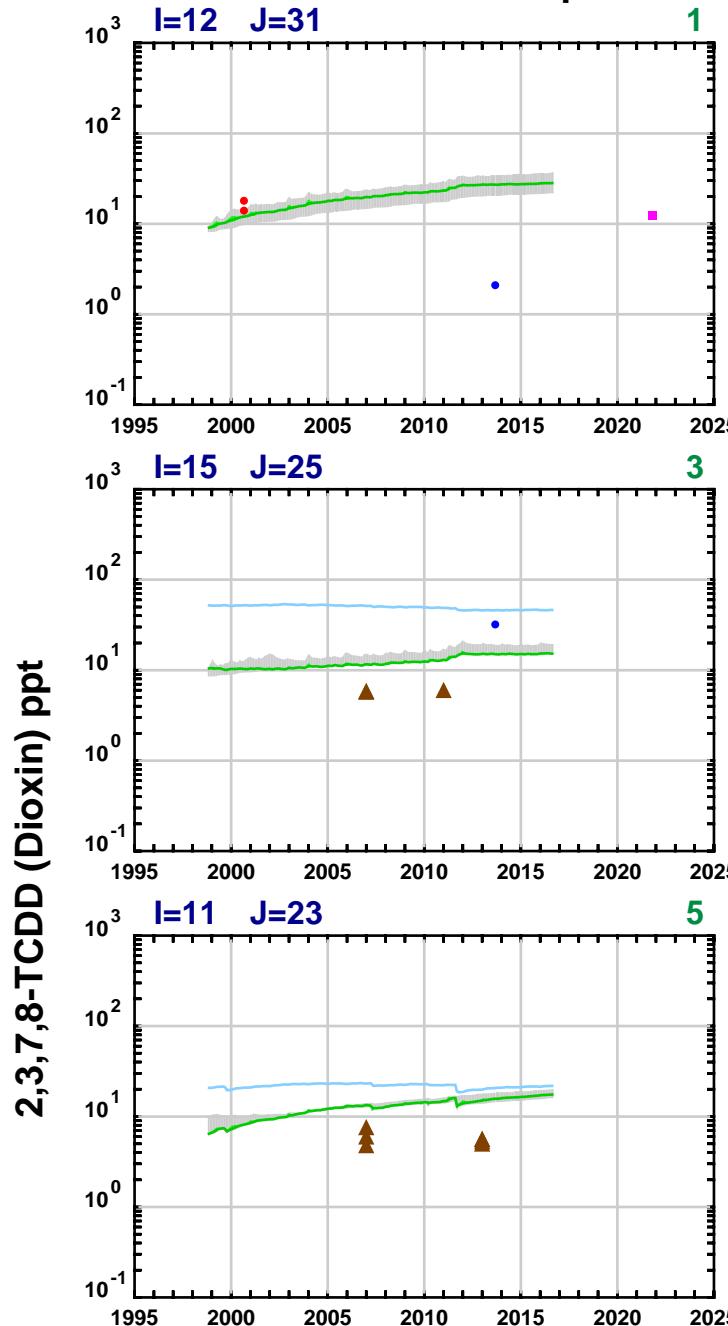
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 13 Page 10 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

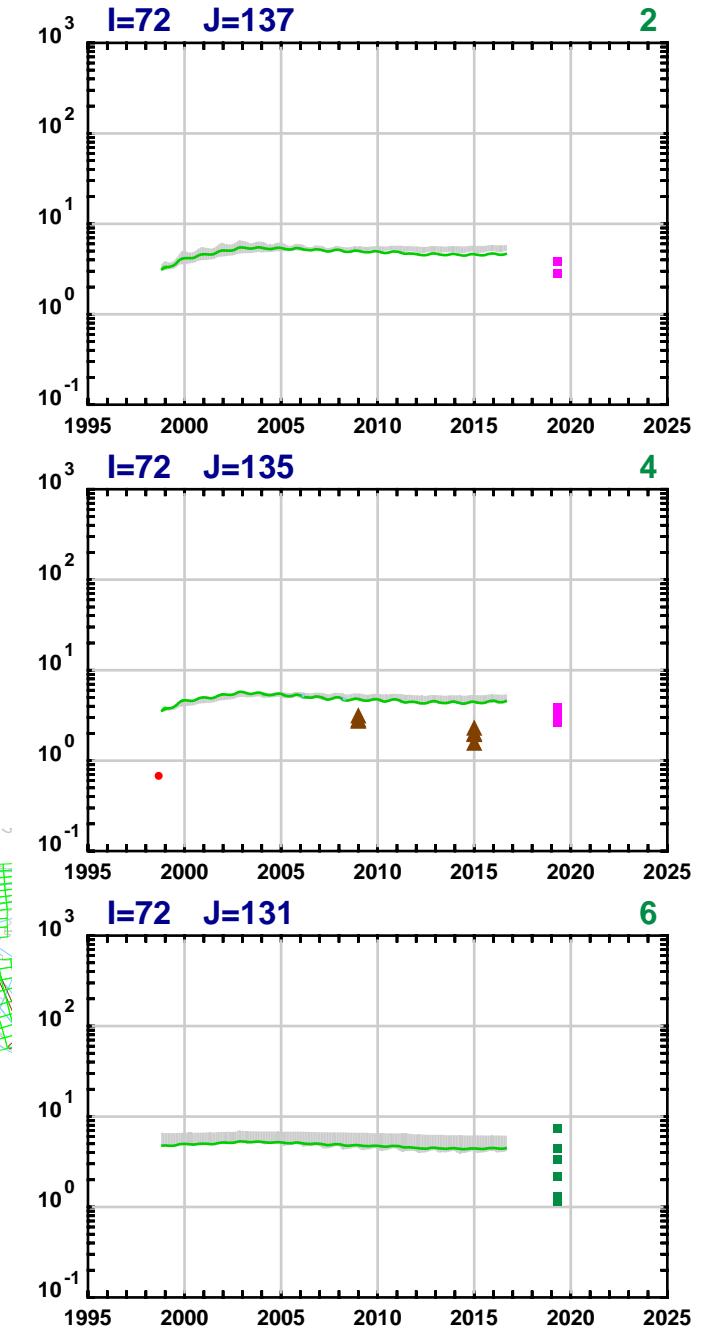
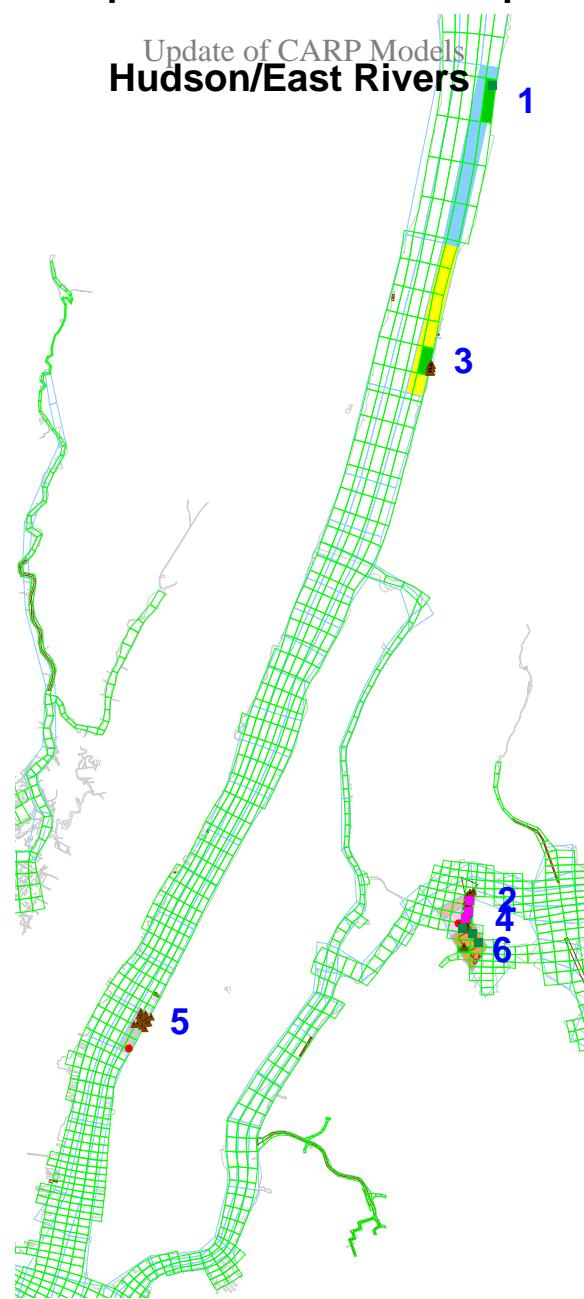
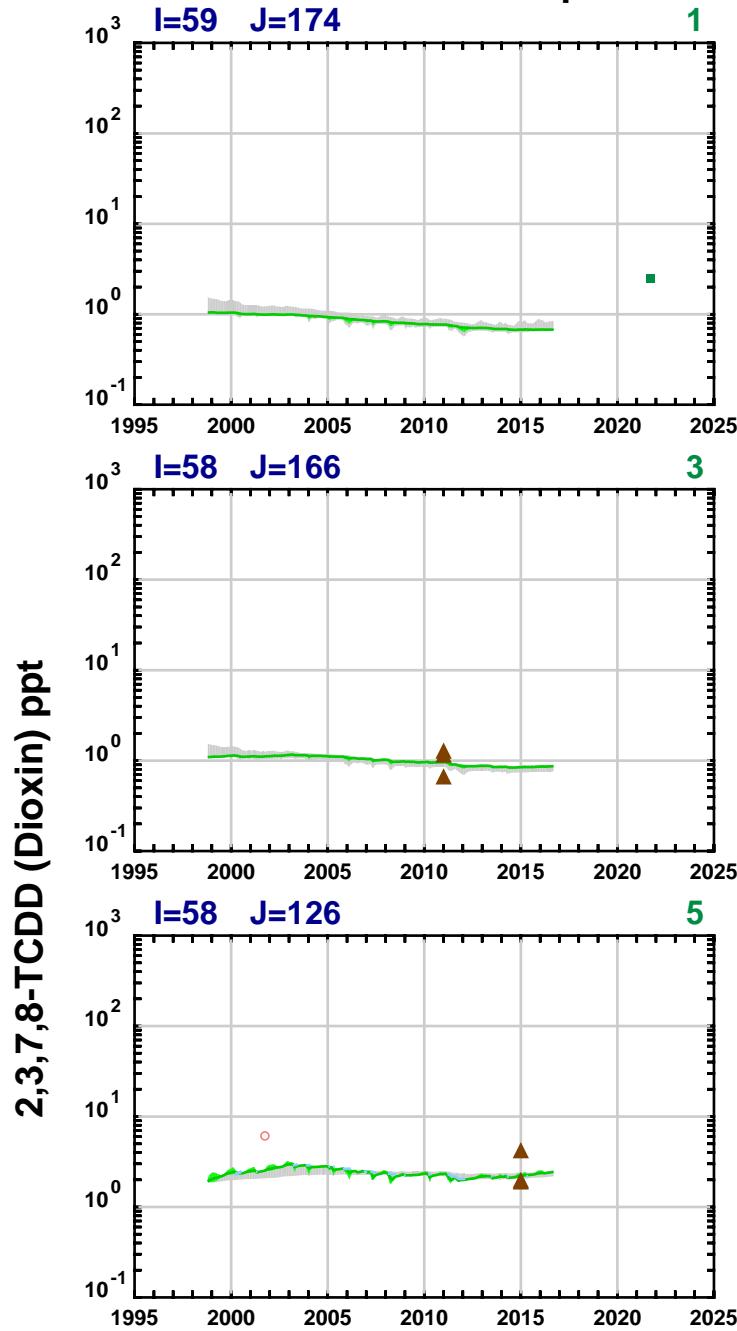
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 13 Page 11 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

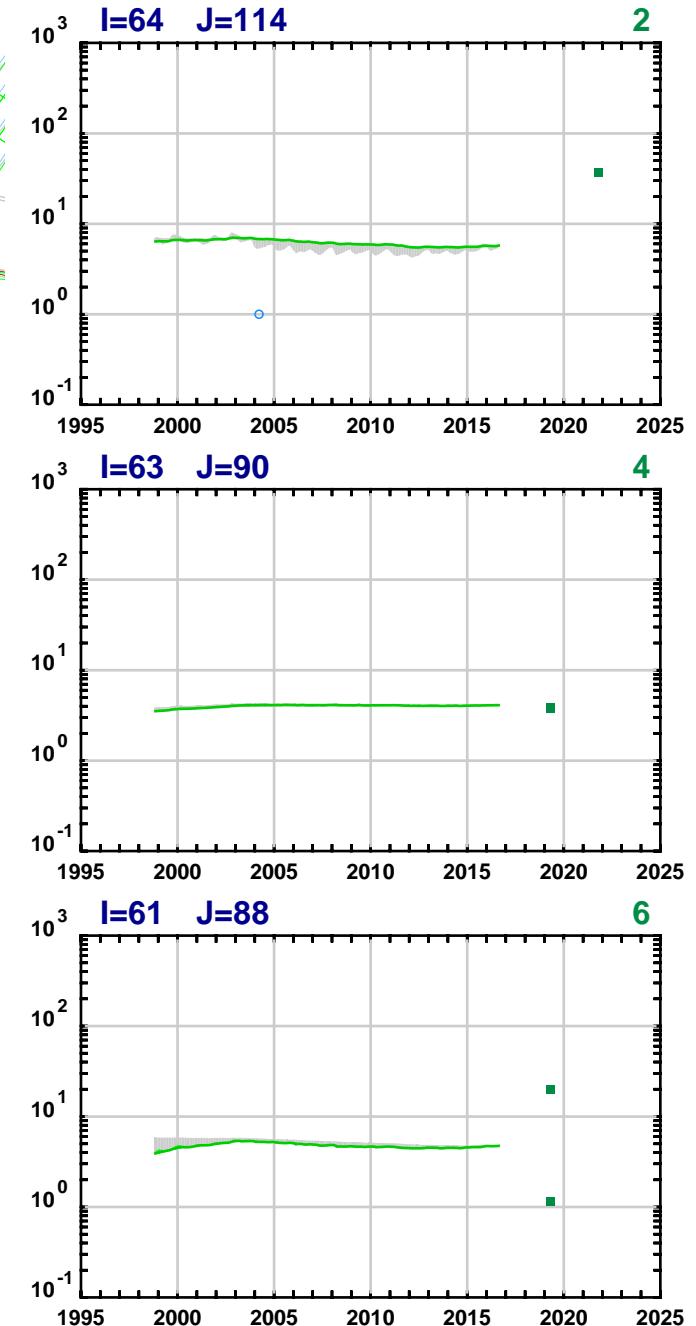
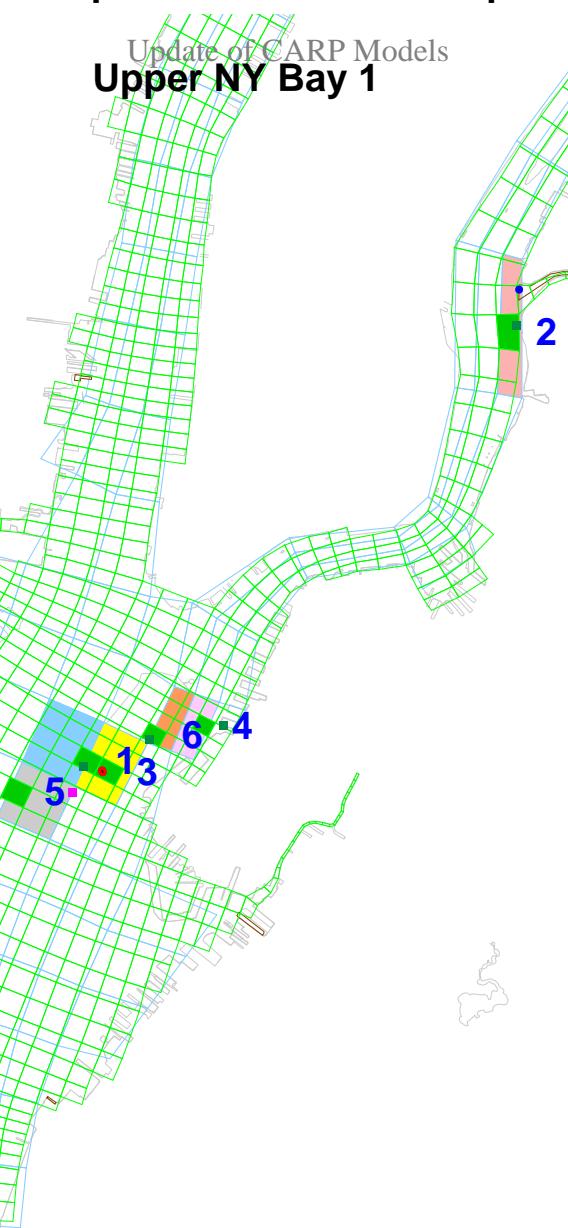
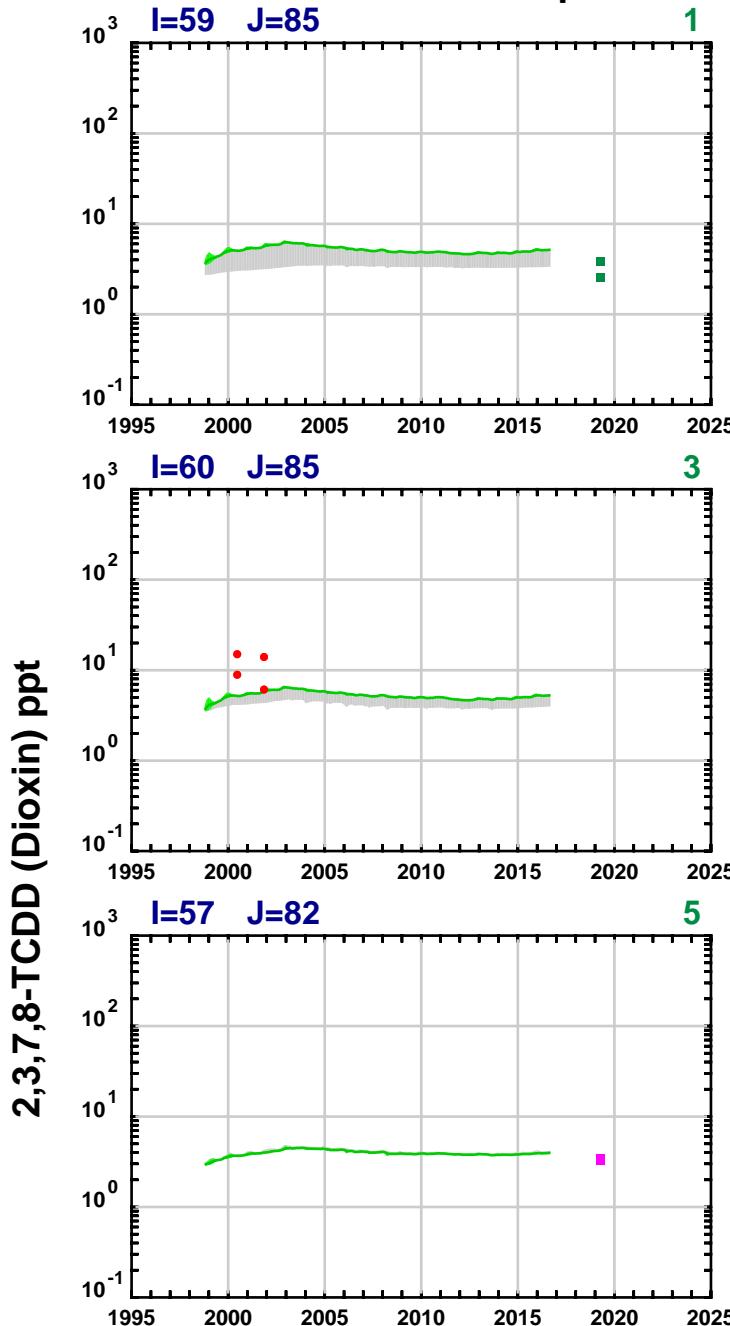


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



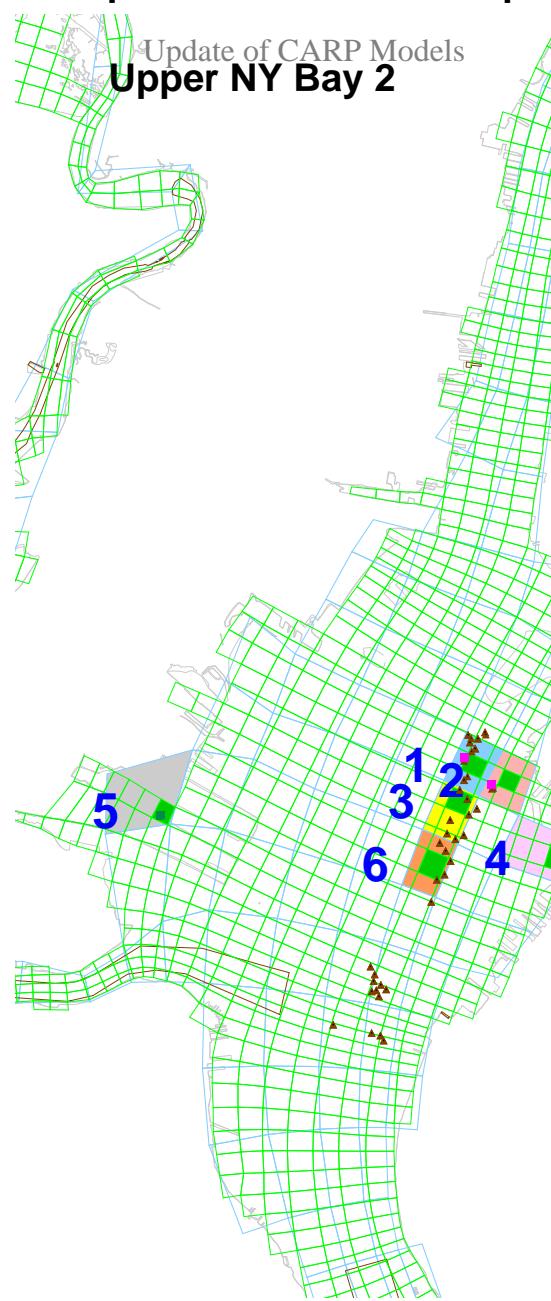
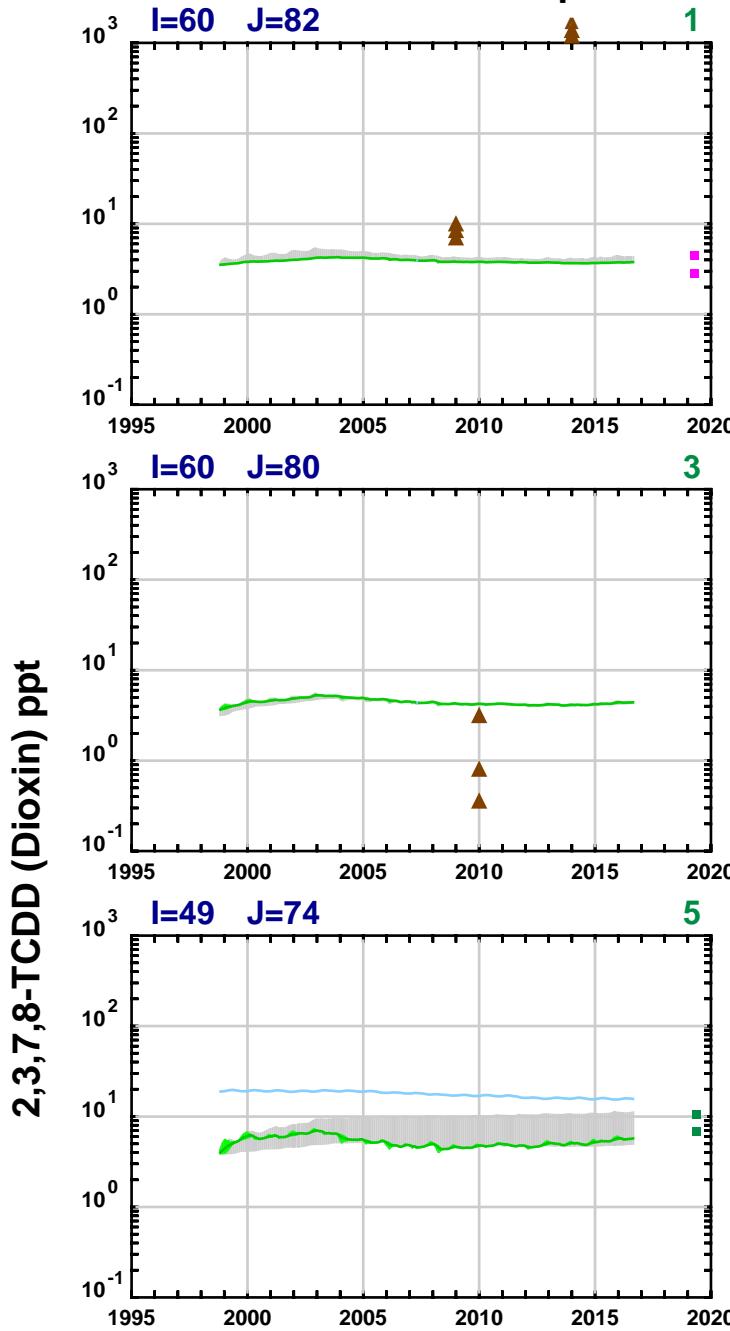
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



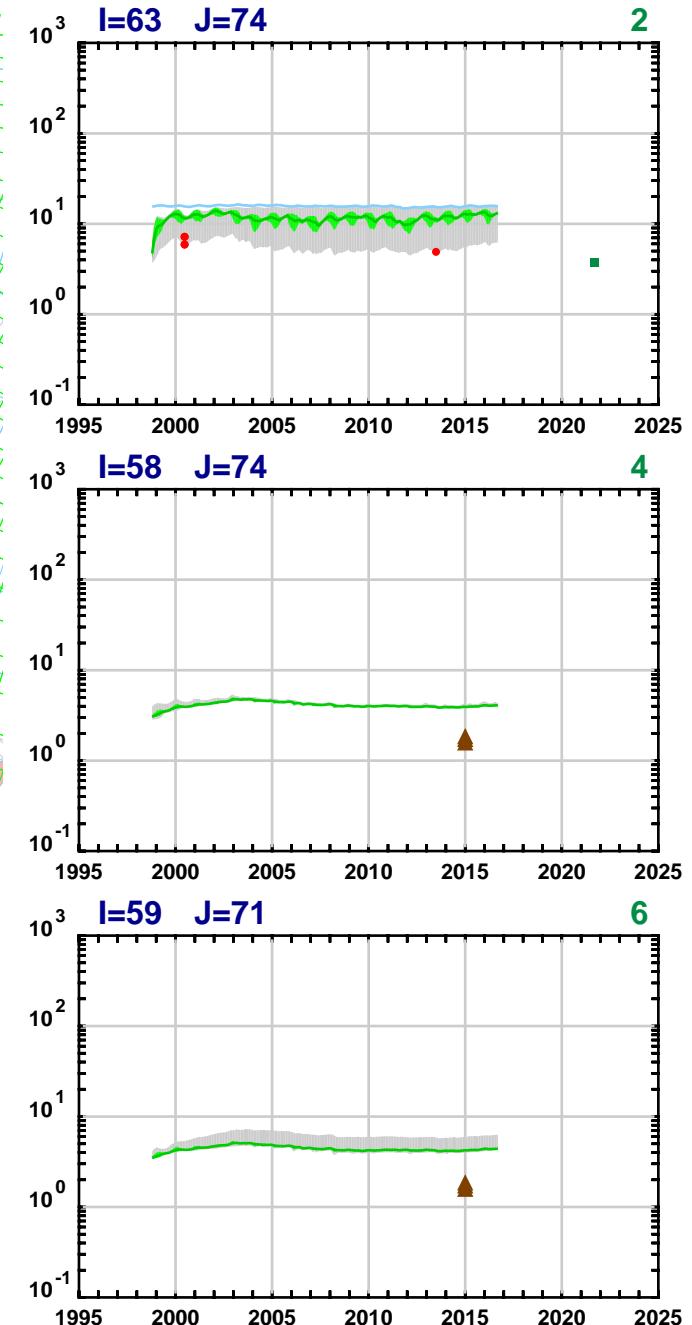
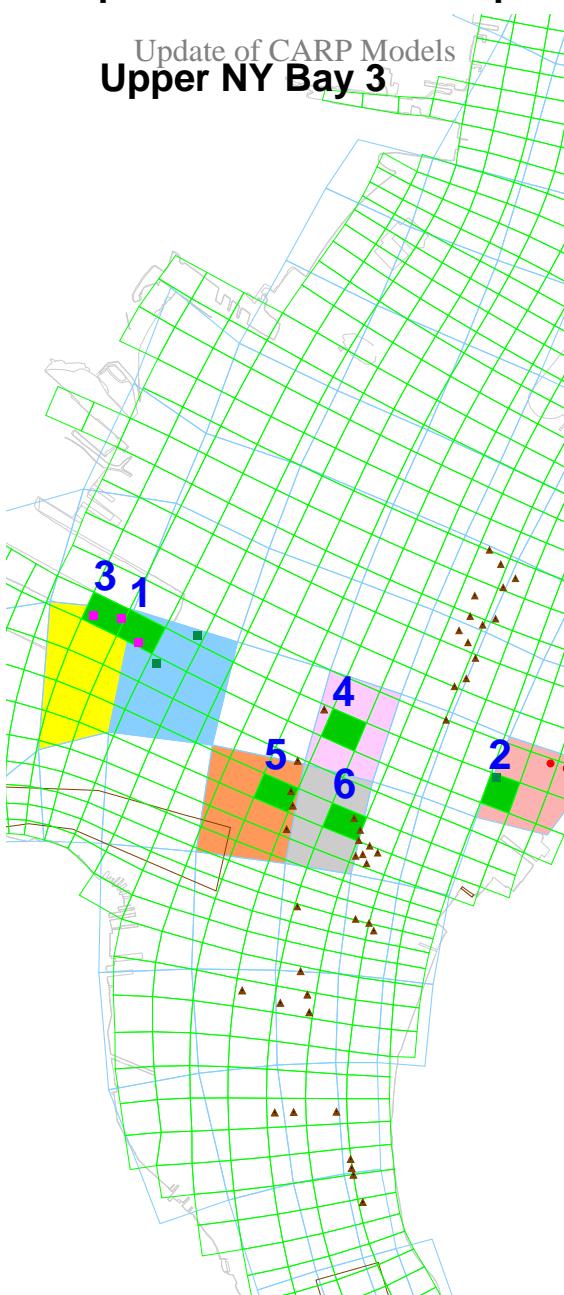
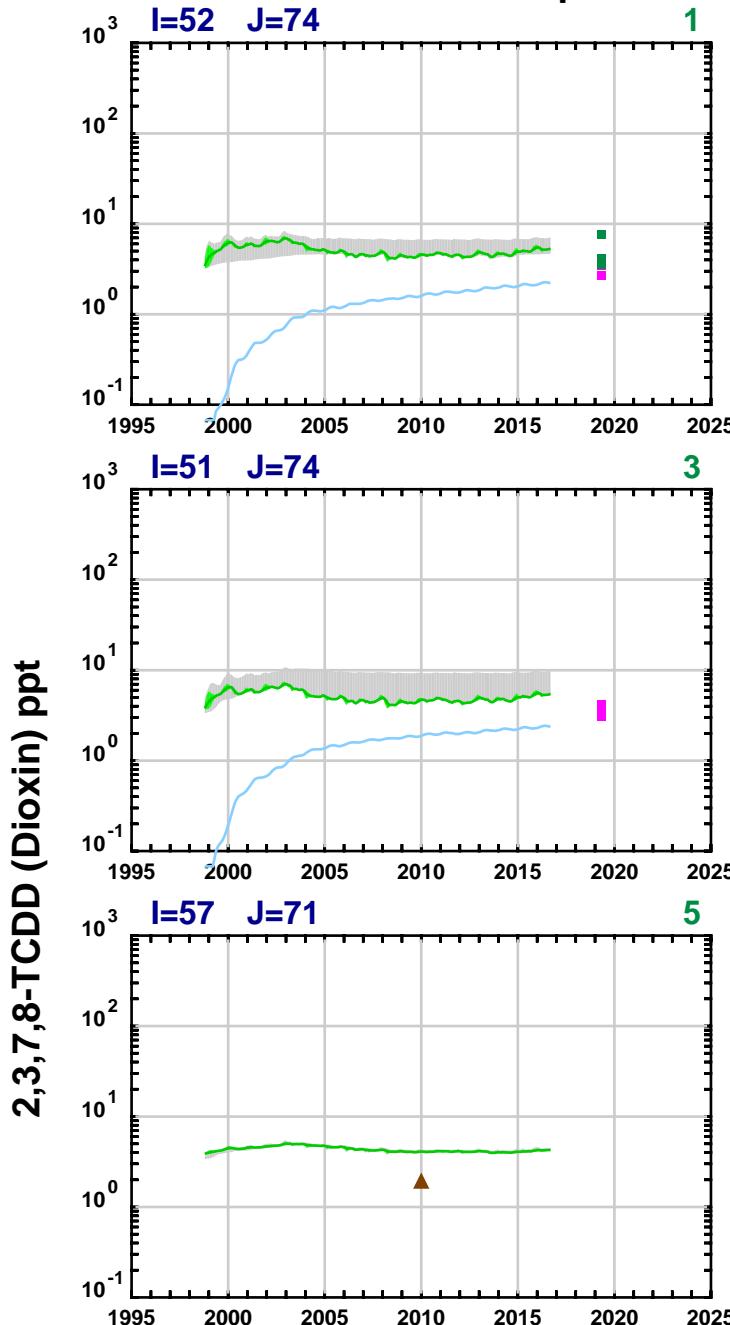
- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment

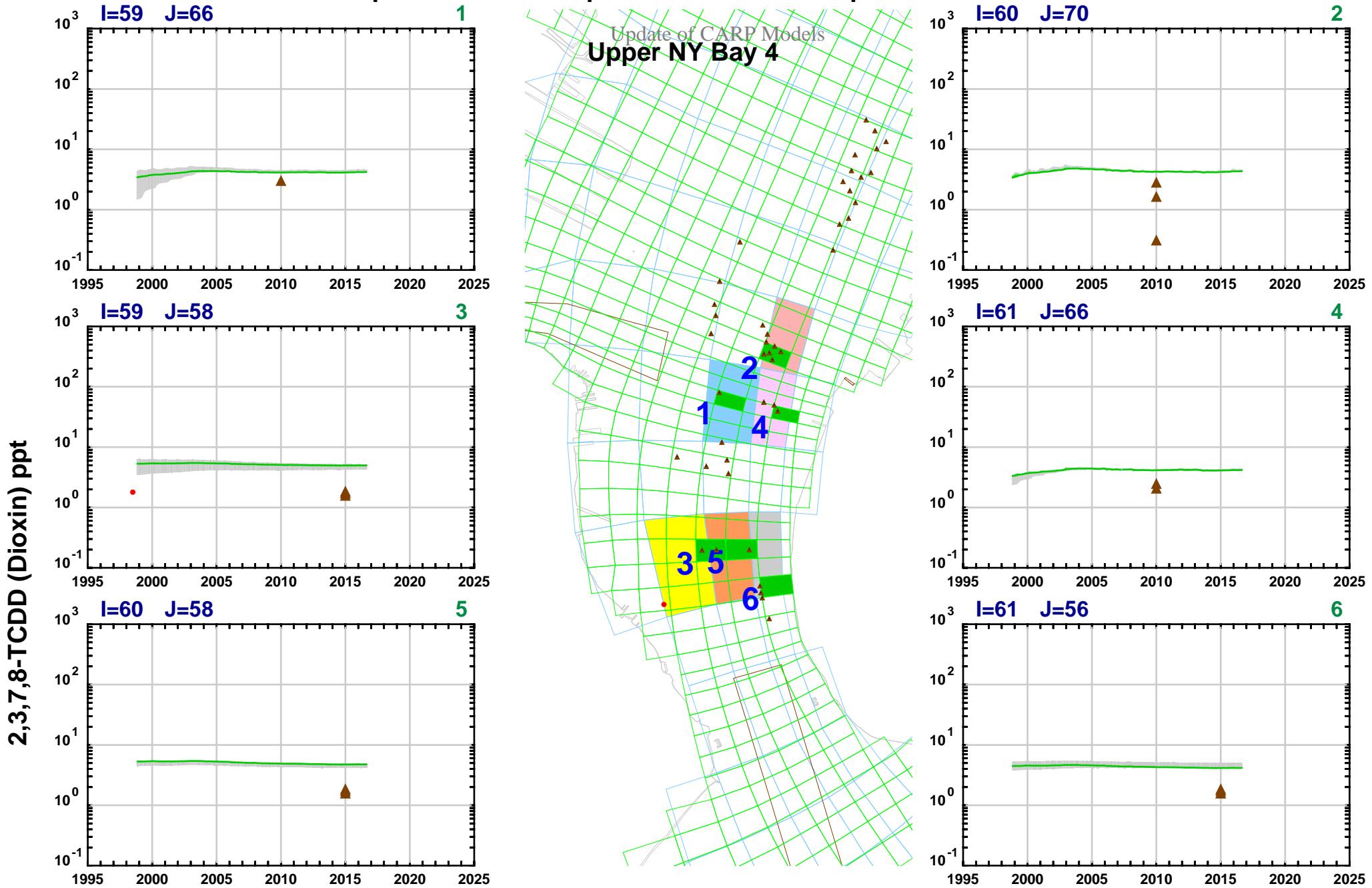


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

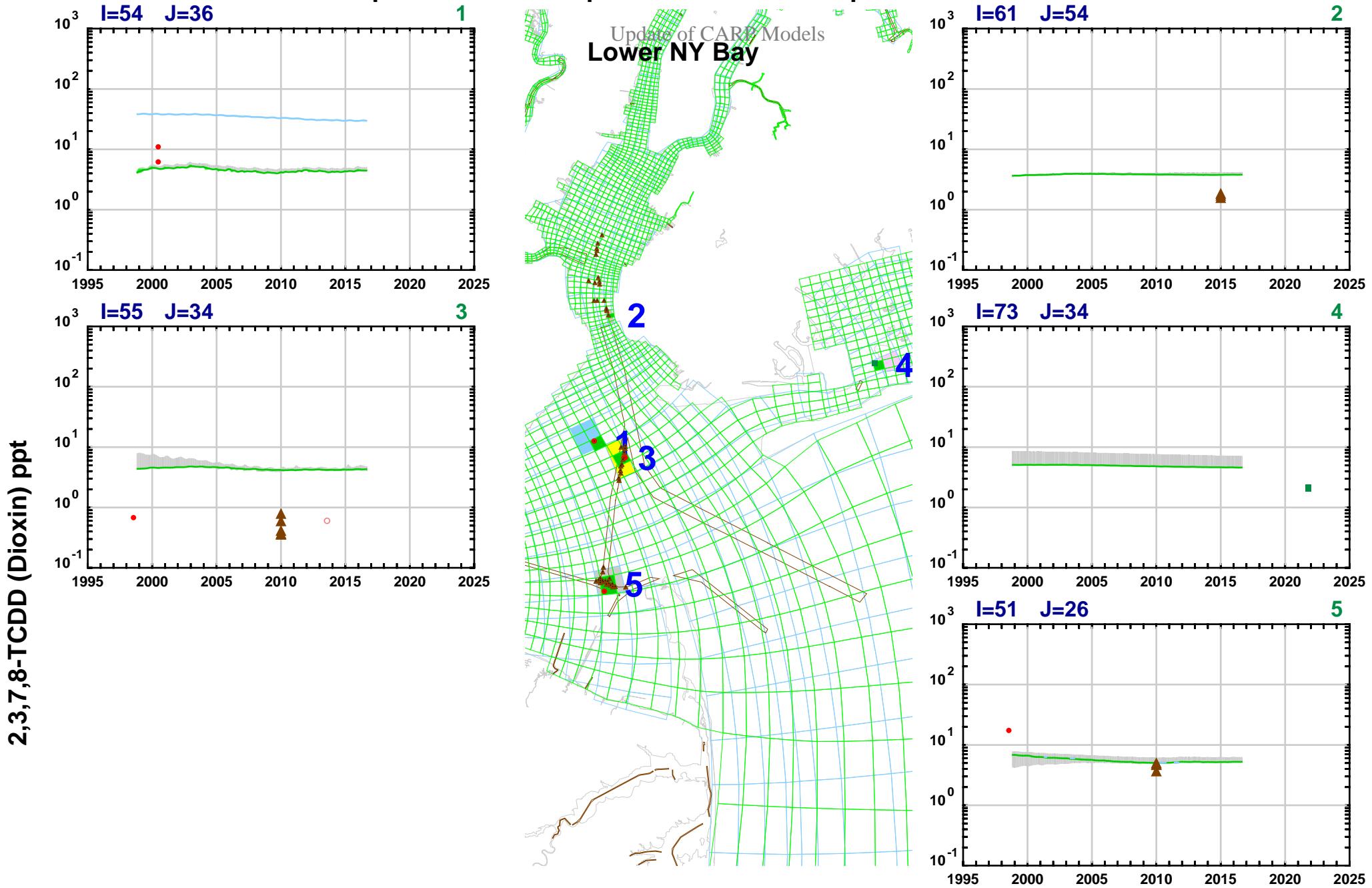


RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



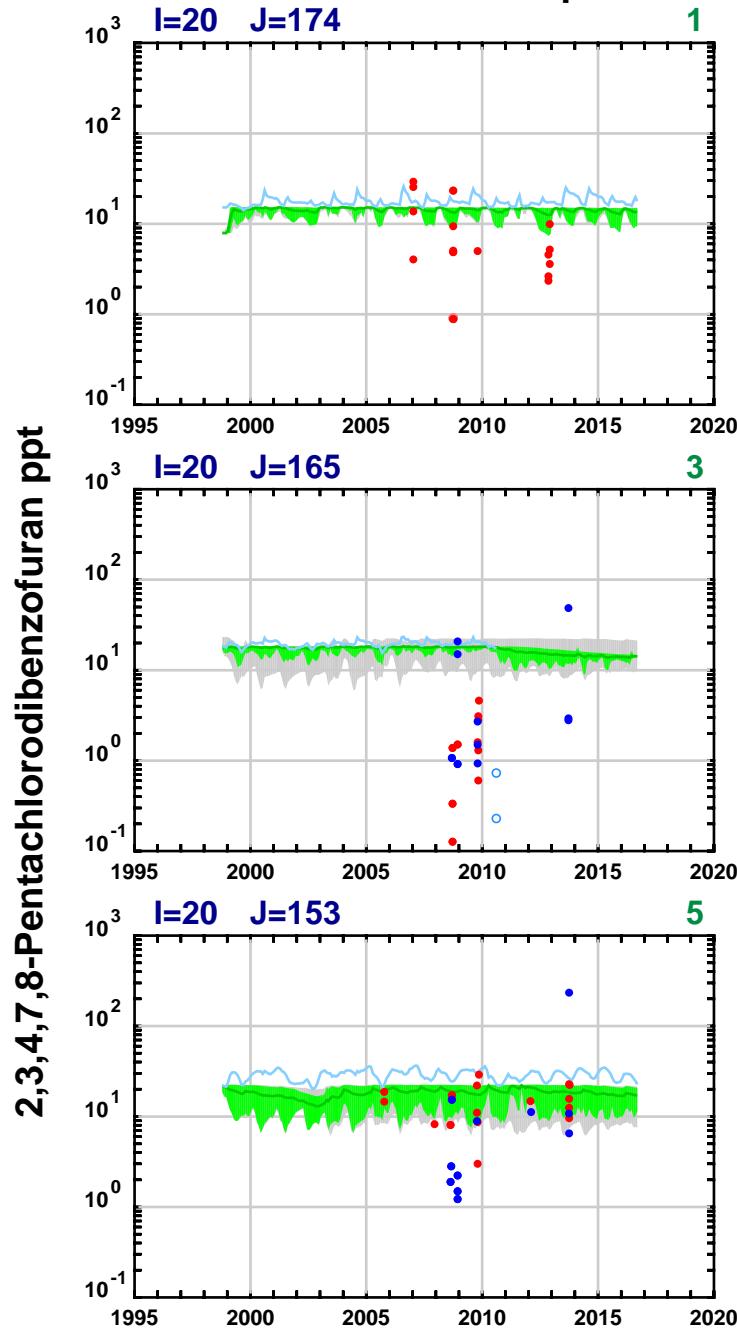
RUN18

Model: mean and range of values in top sediment

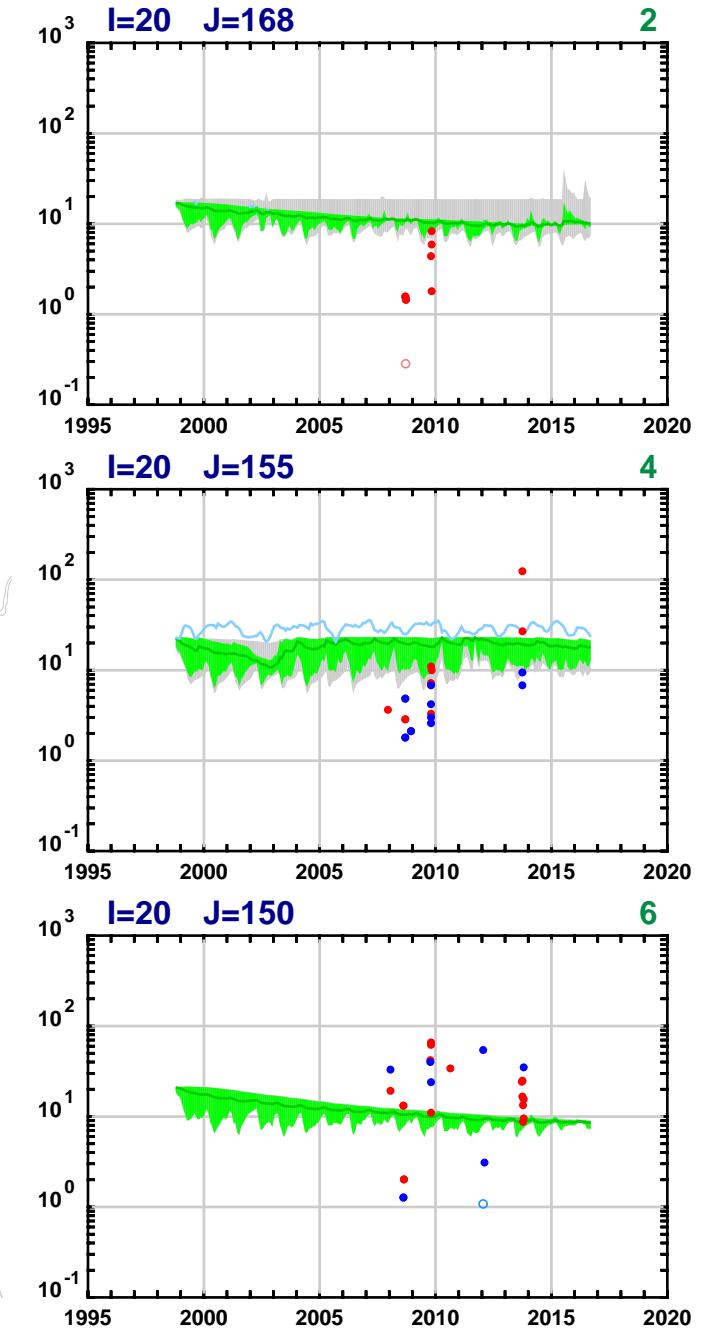
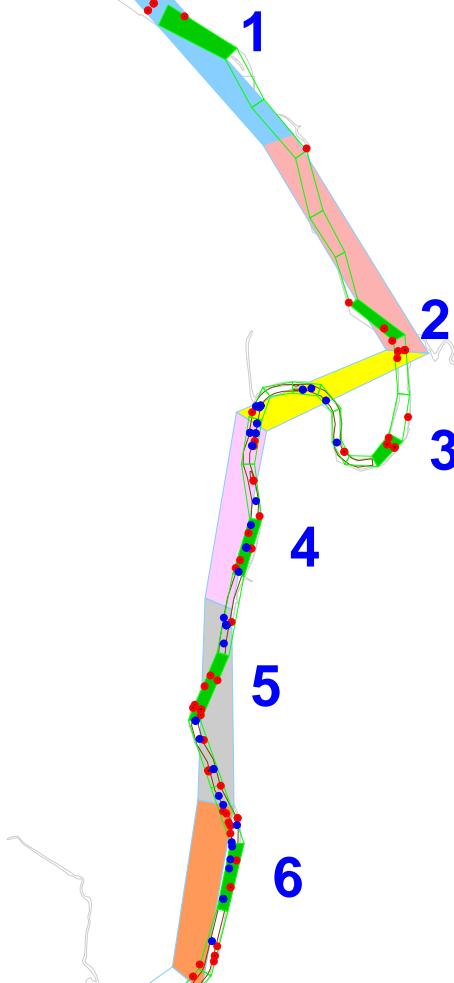
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I



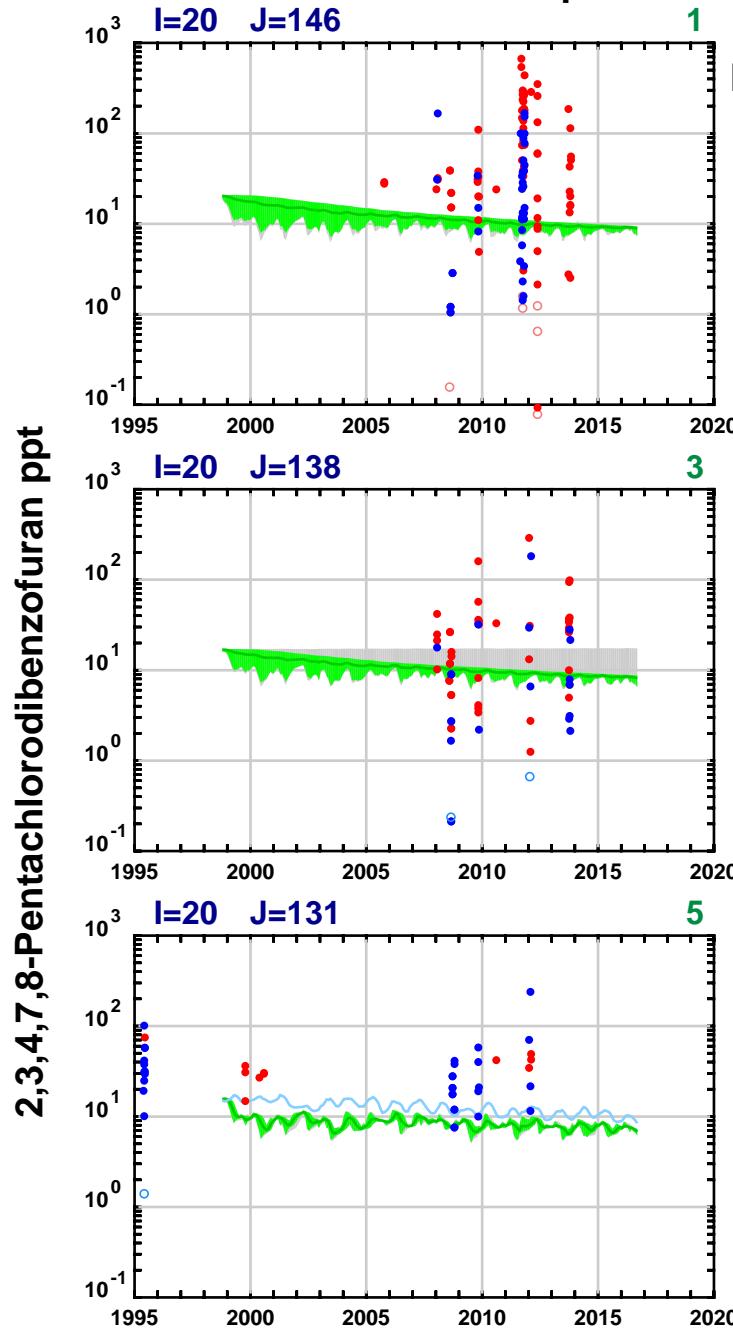
RUN18

Model: mean and range of values in top sediment

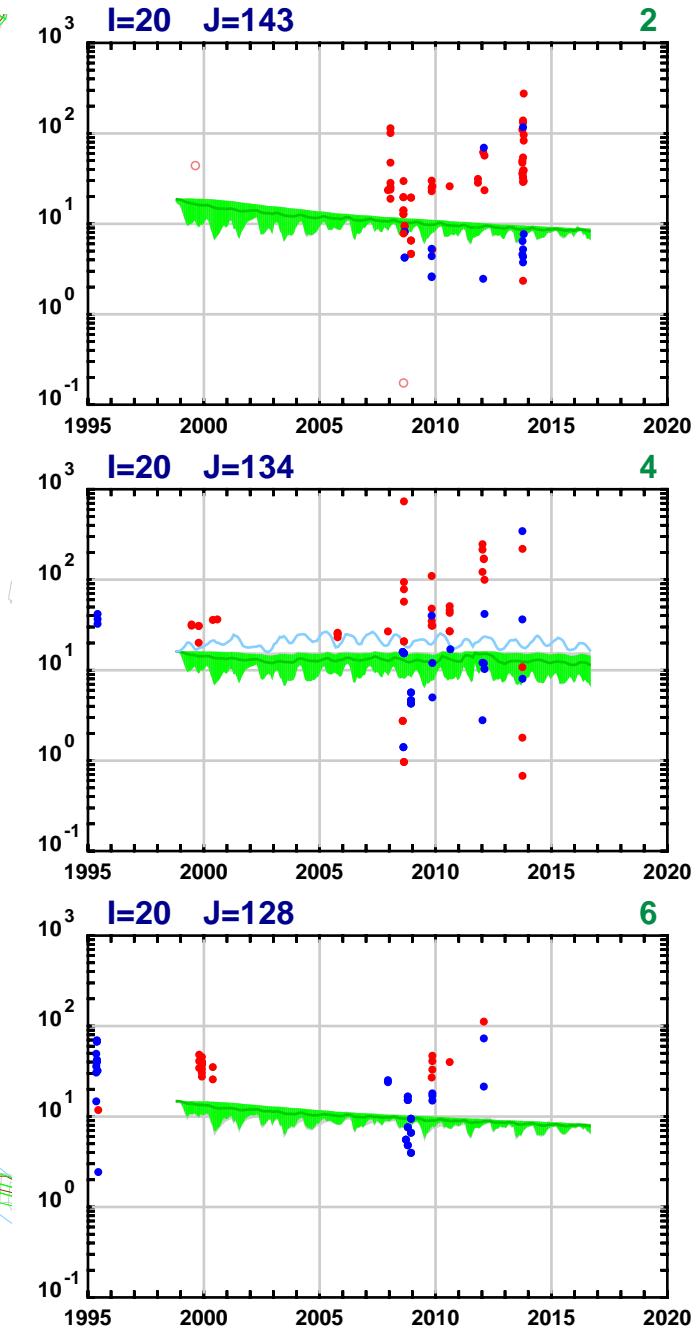
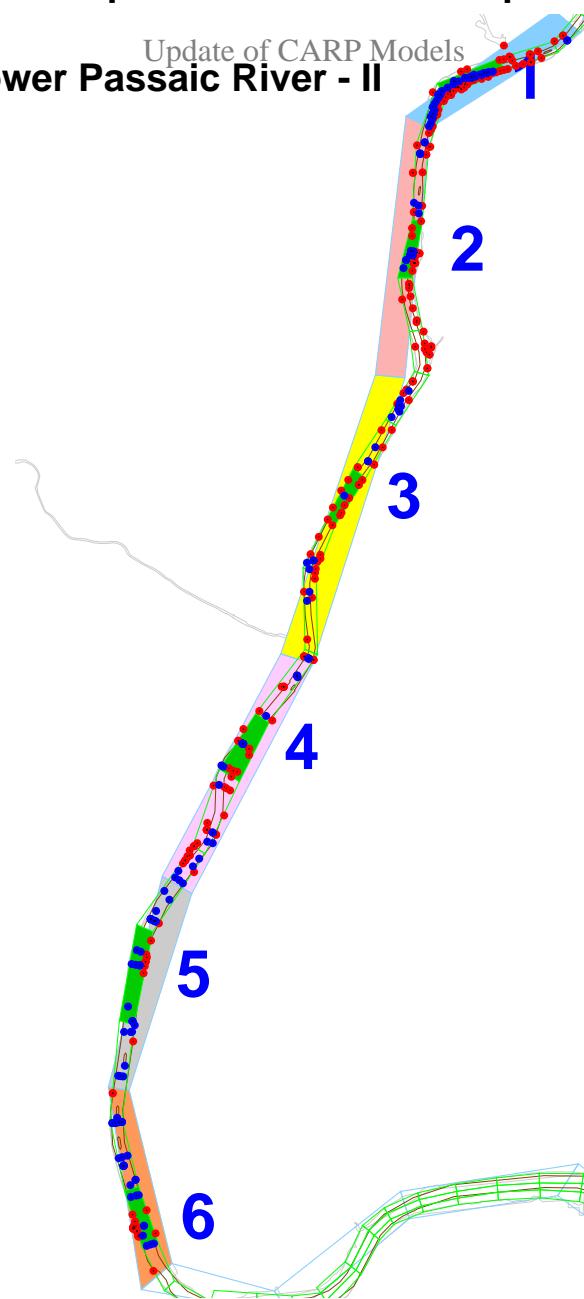
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



**Update of CARP Models
Lower Passaic River - II**



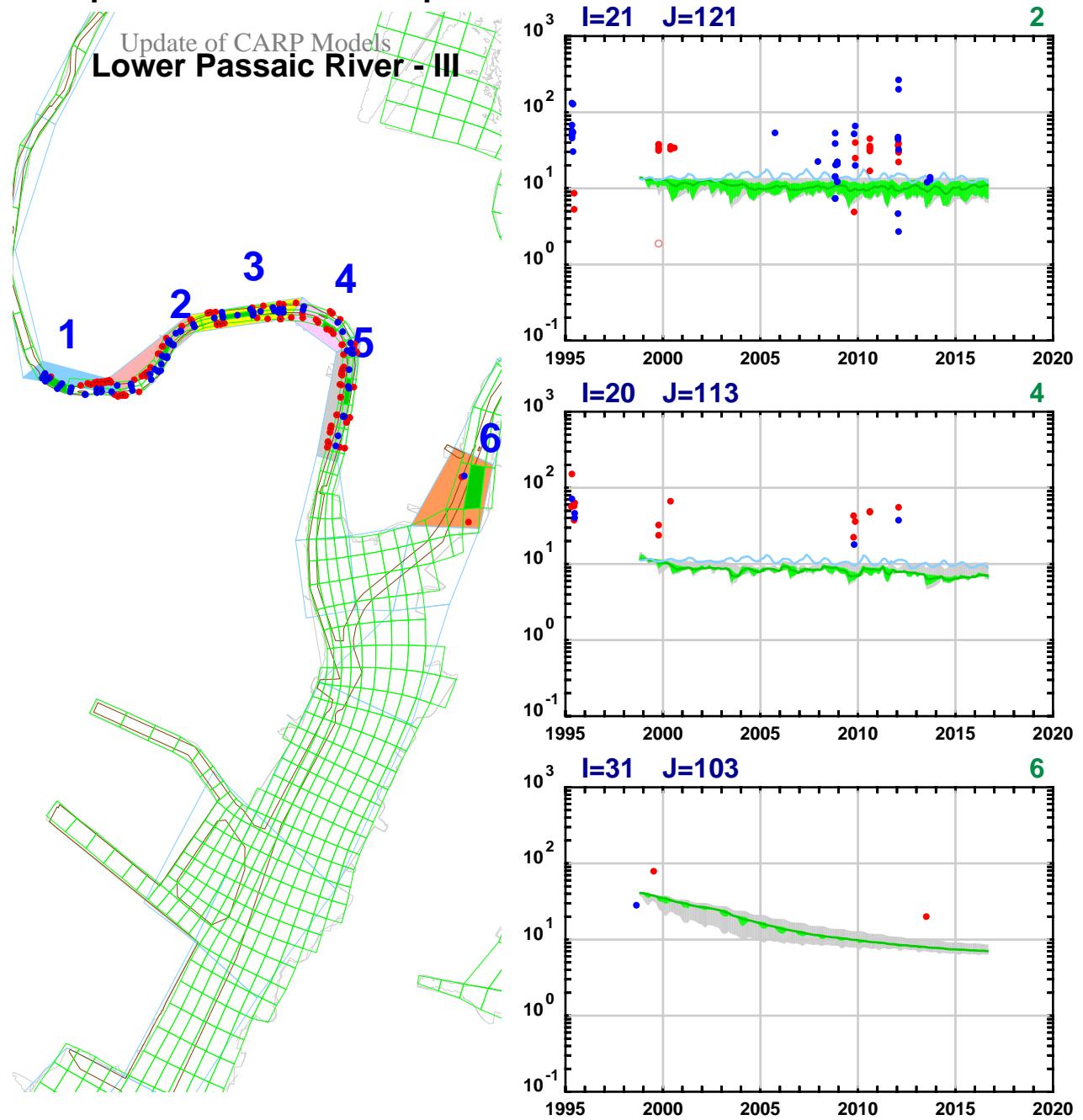
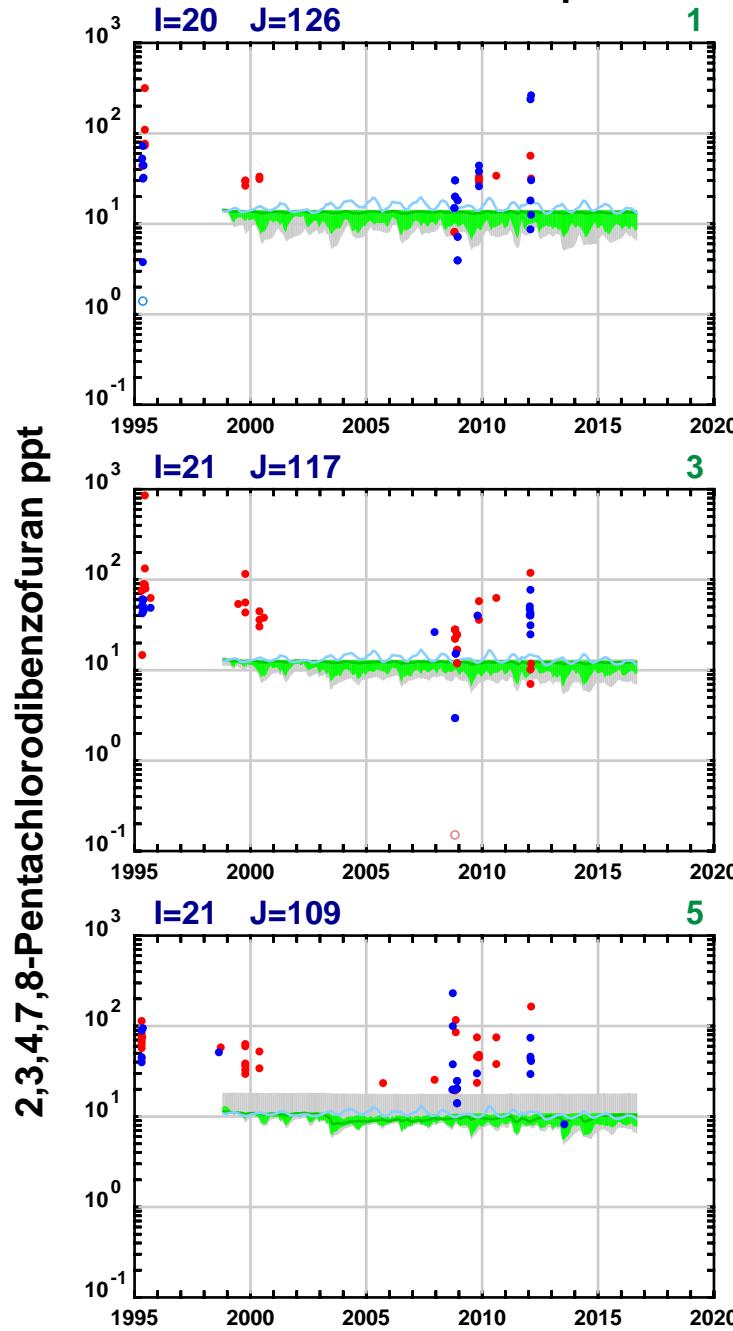
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



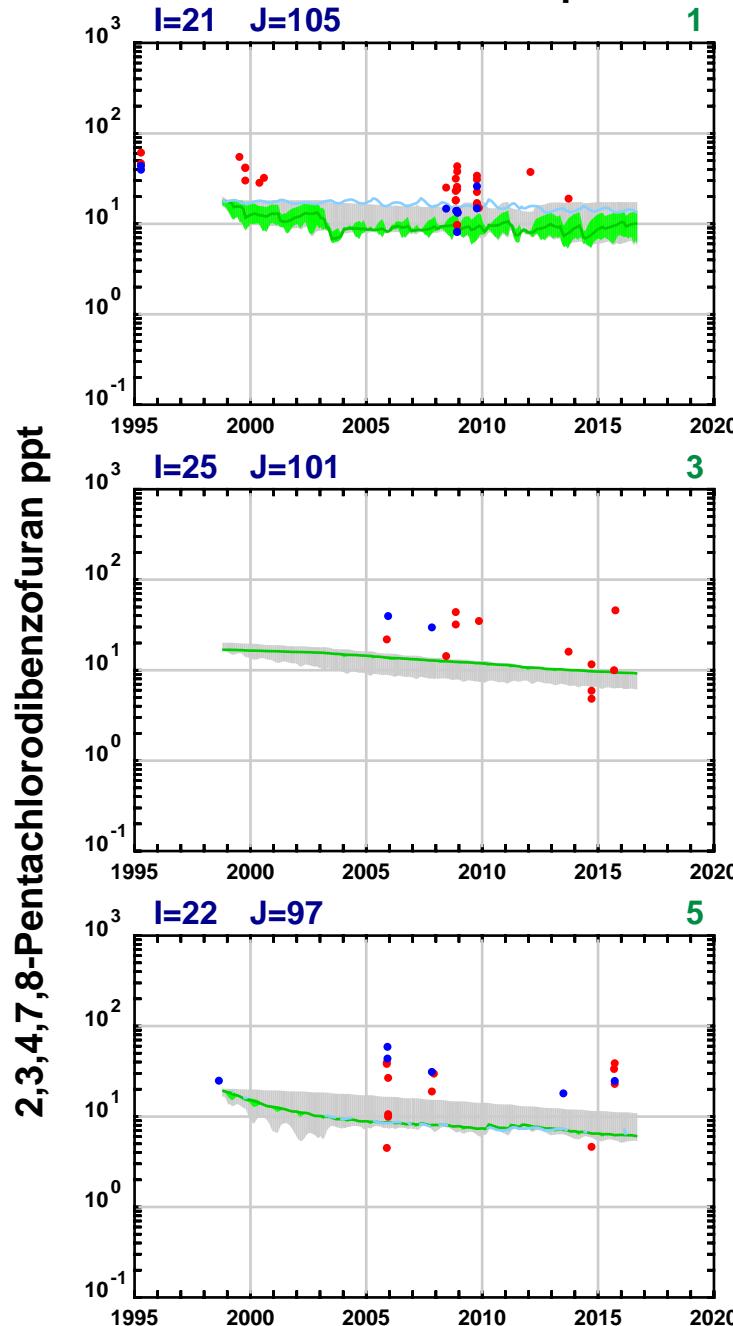
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

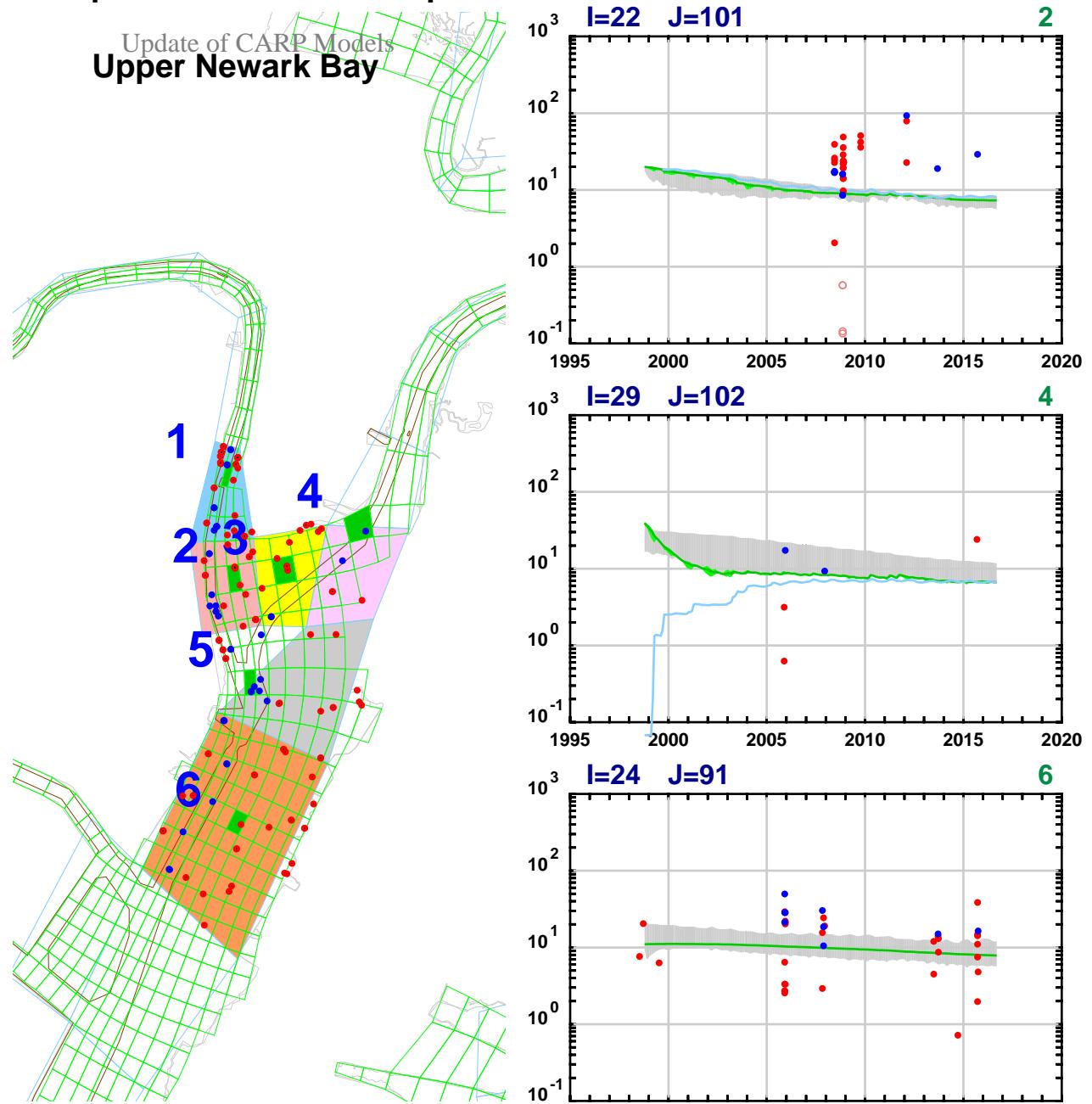
Appendix 13 Page 20 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Upper Newark Bay

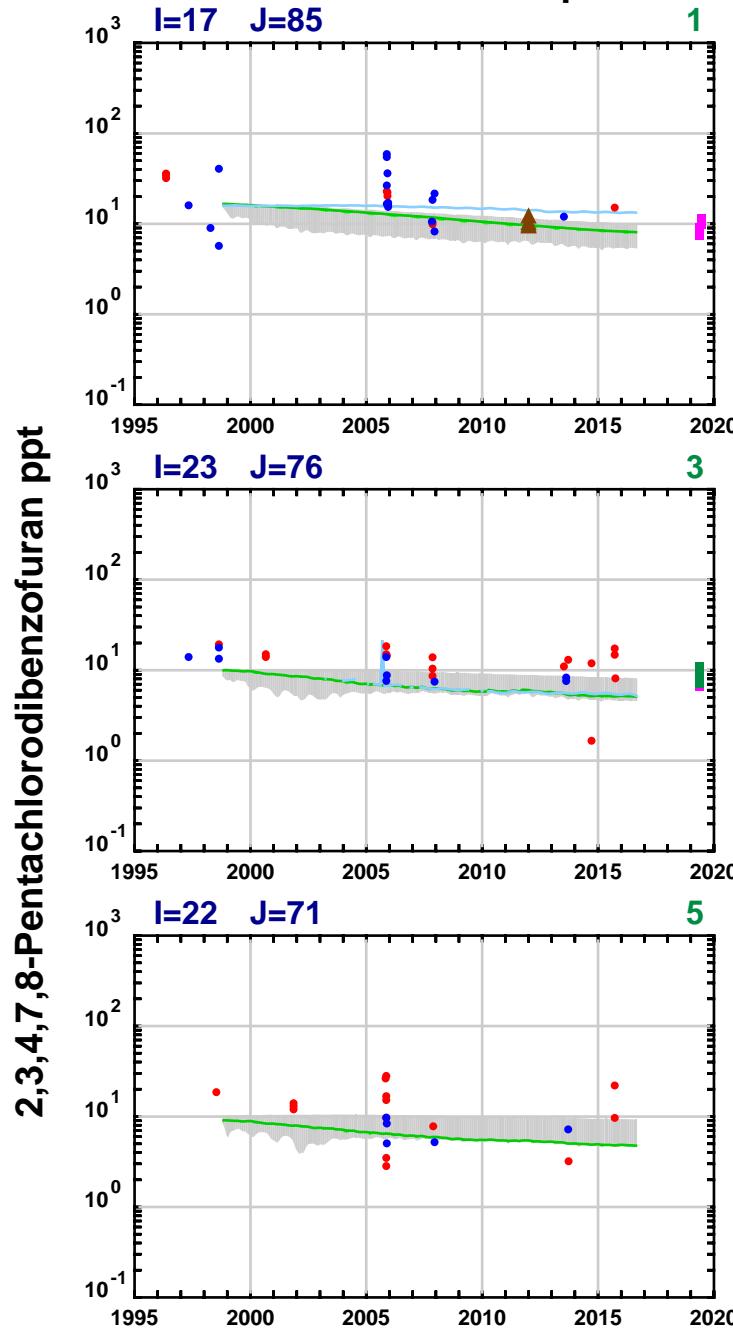


RUN18

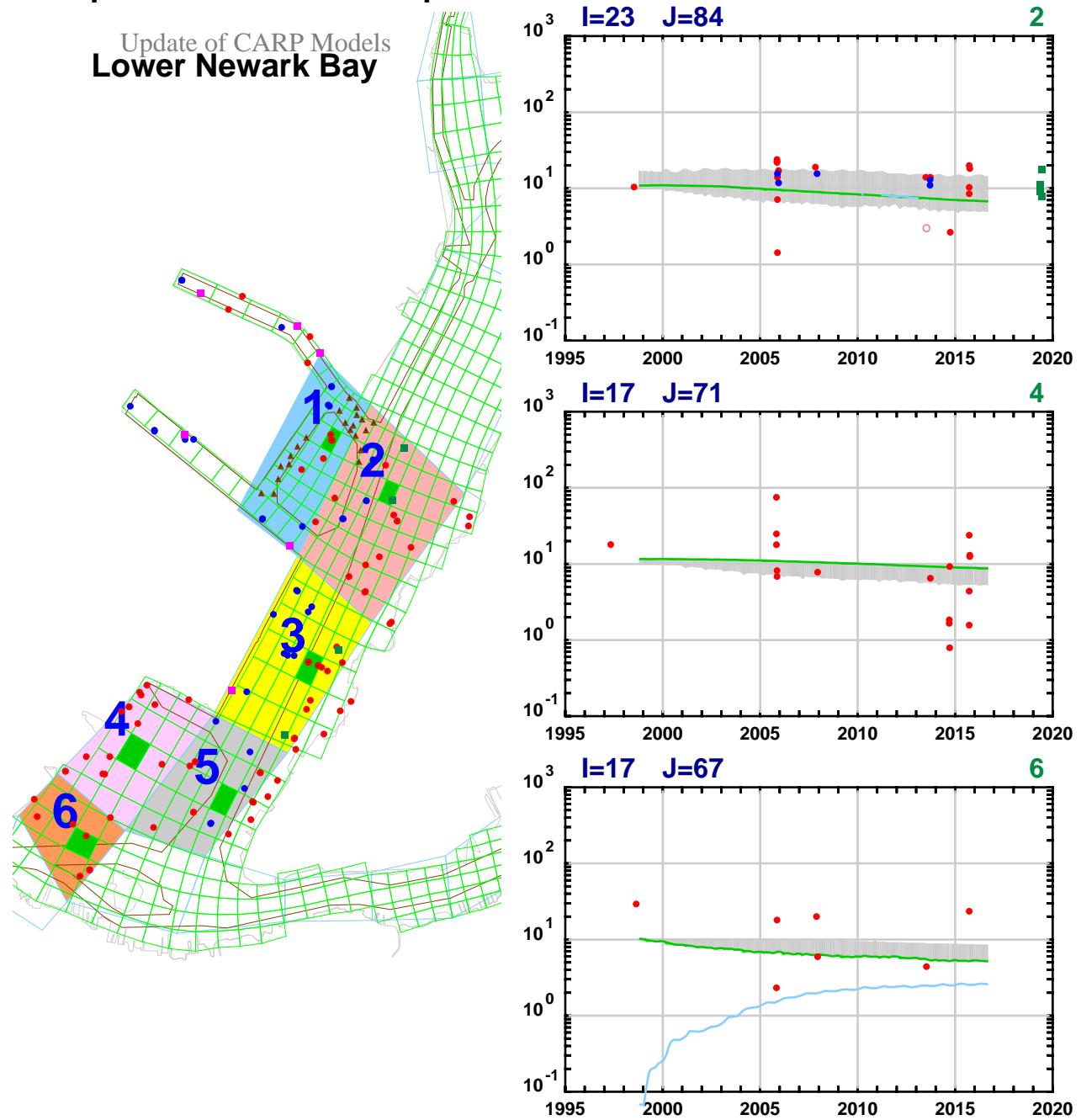
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay



RUN18

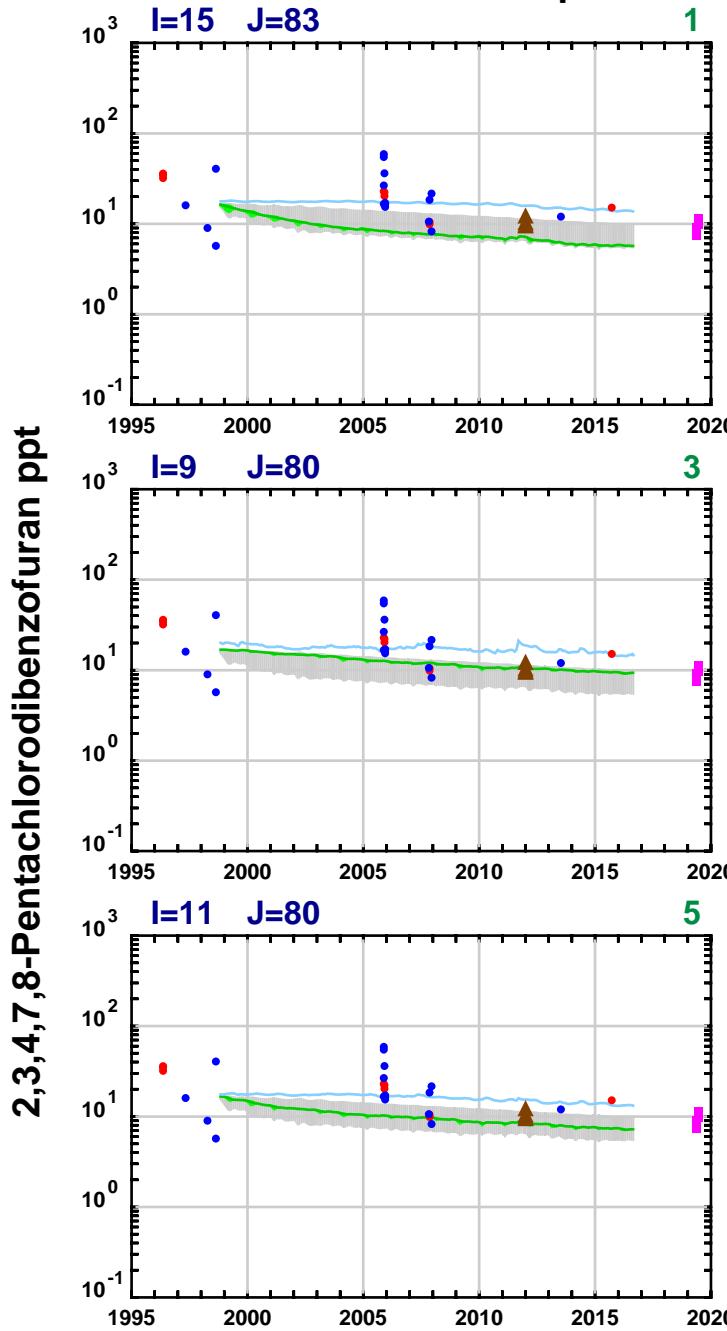
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

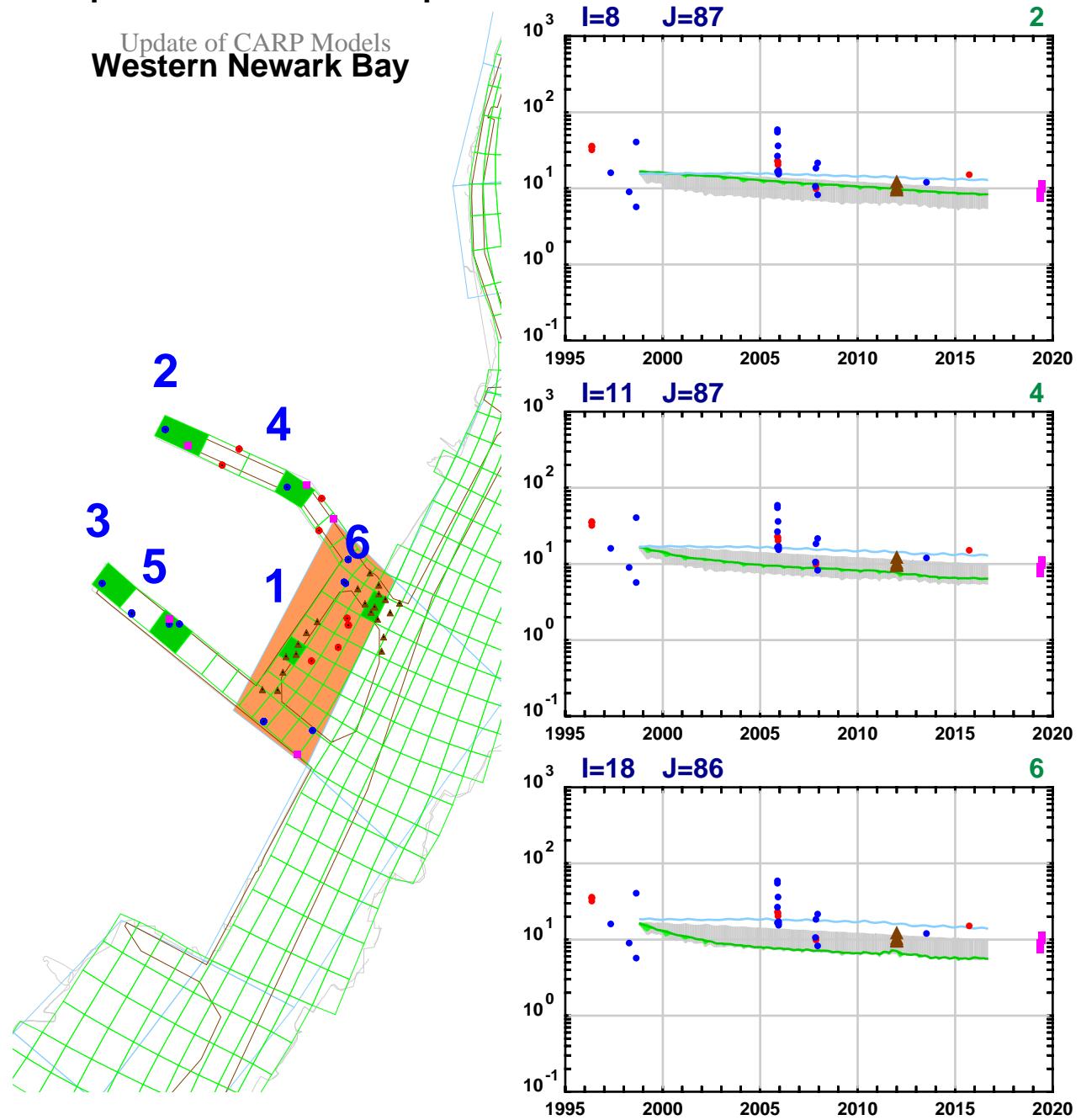
Appendix 13 Page 22 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay

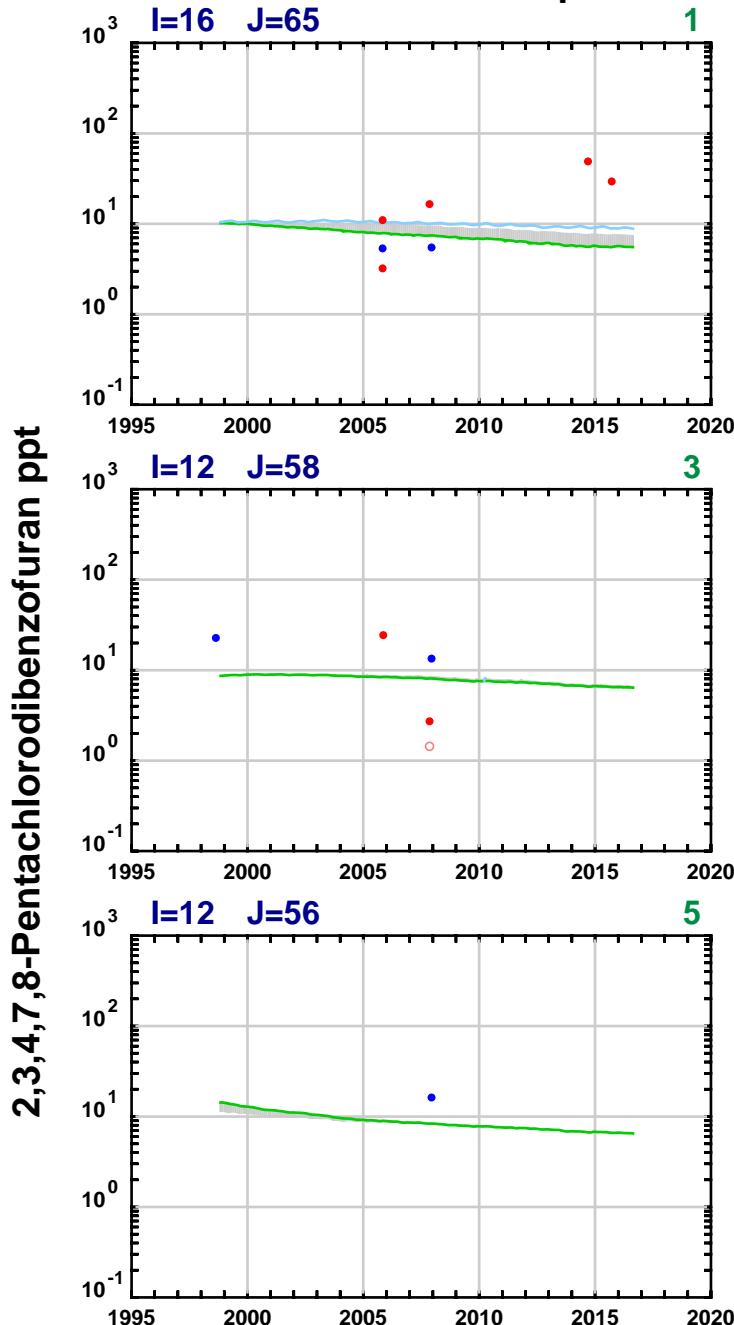


RUN18

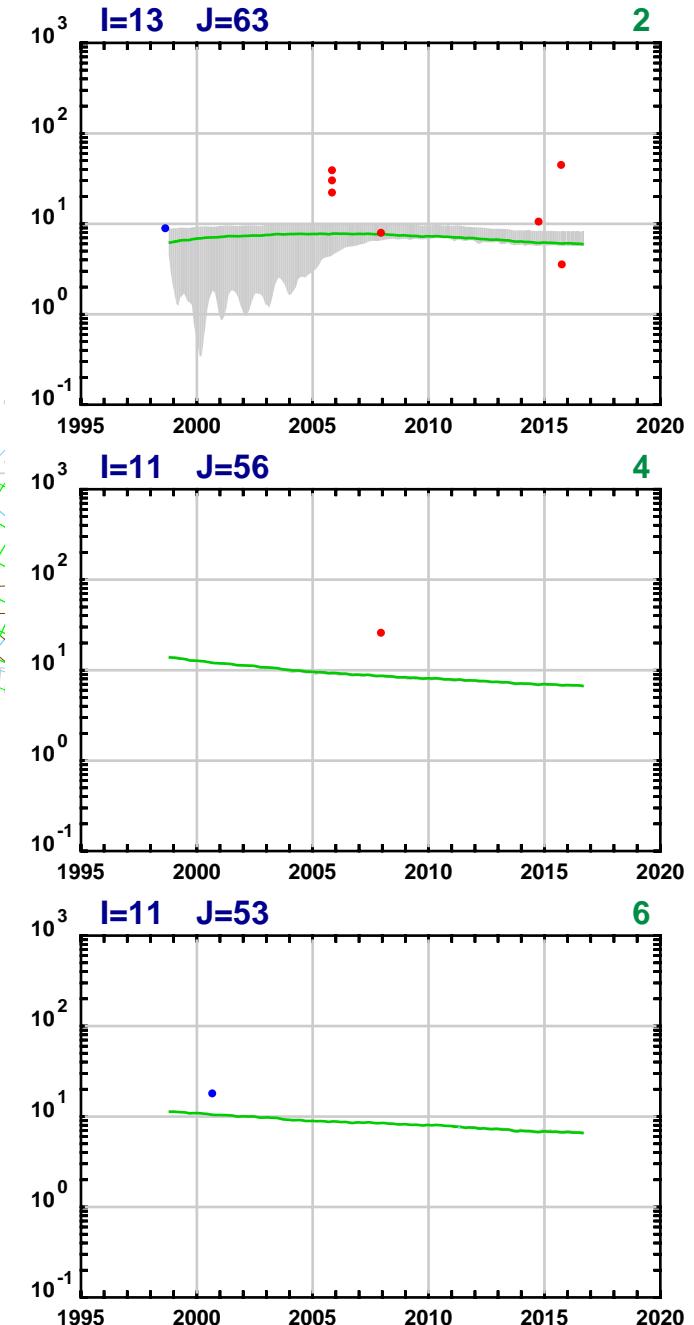
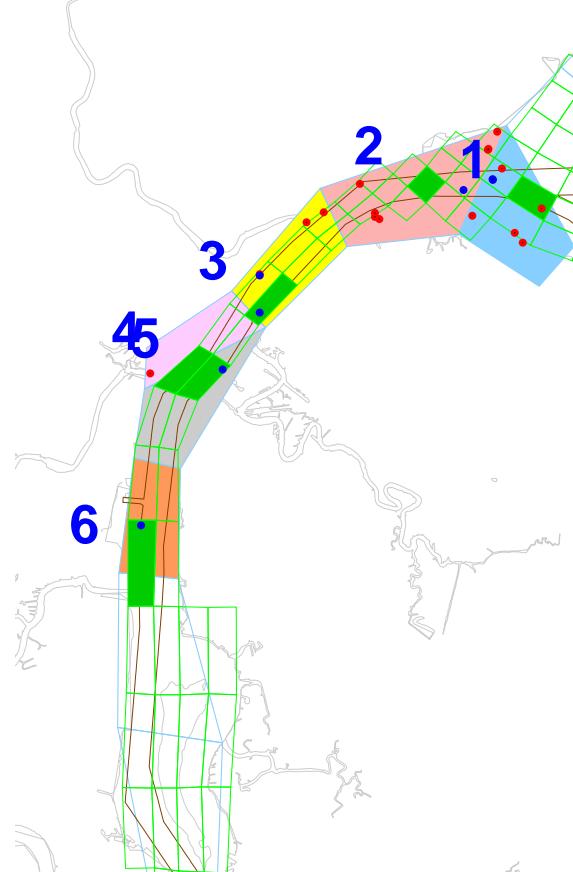
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1



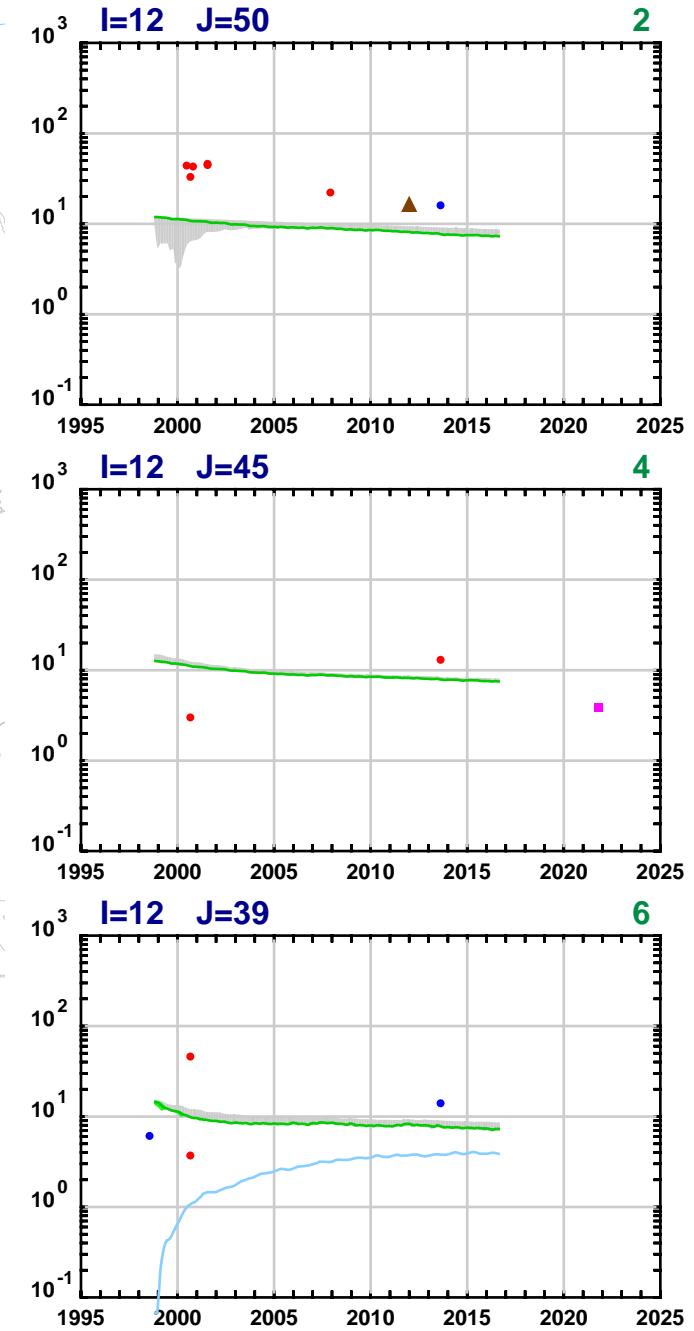
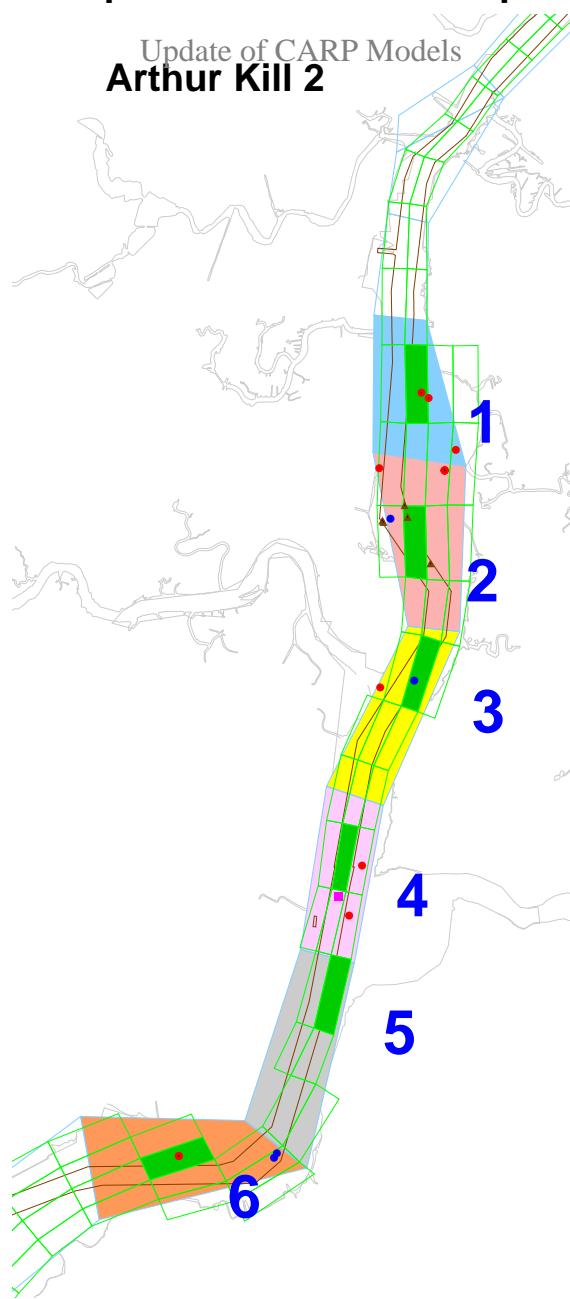
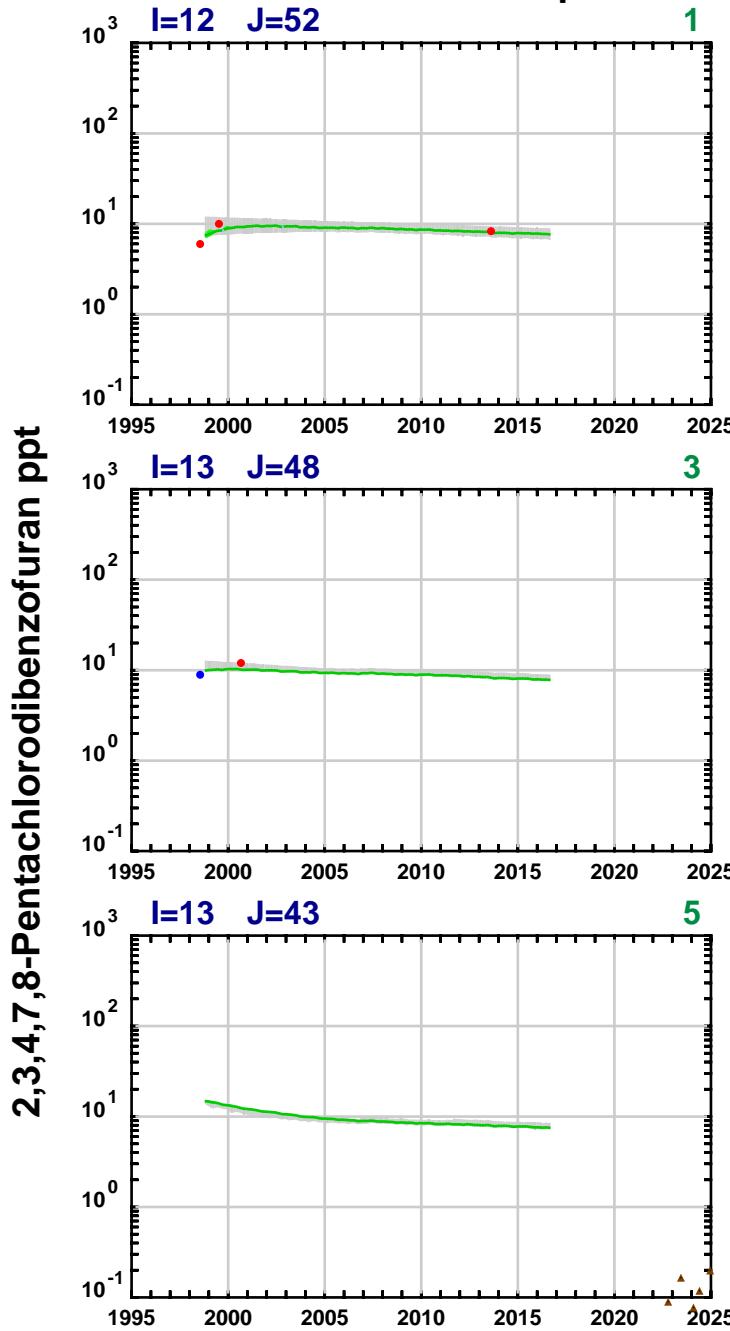
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



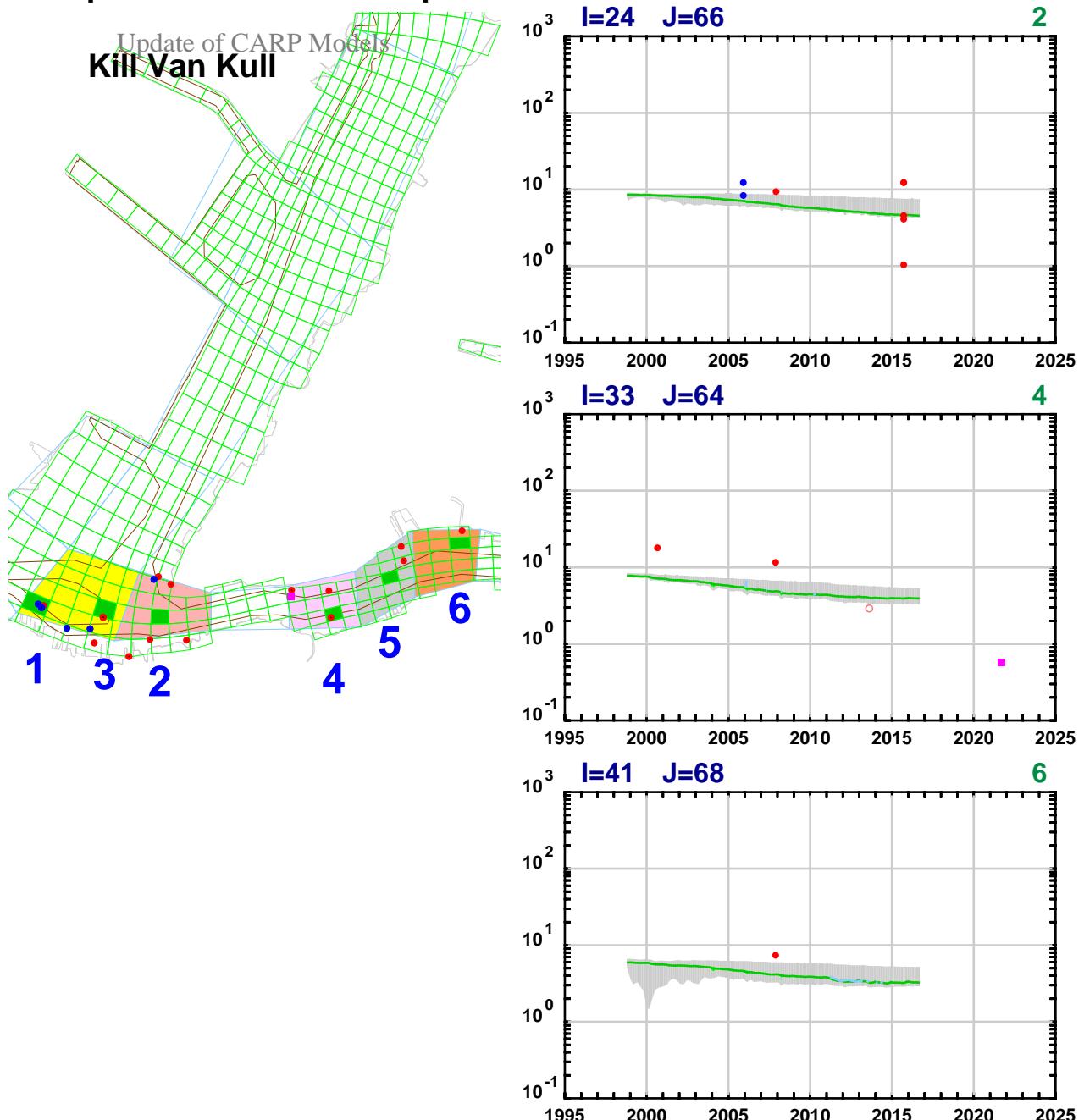
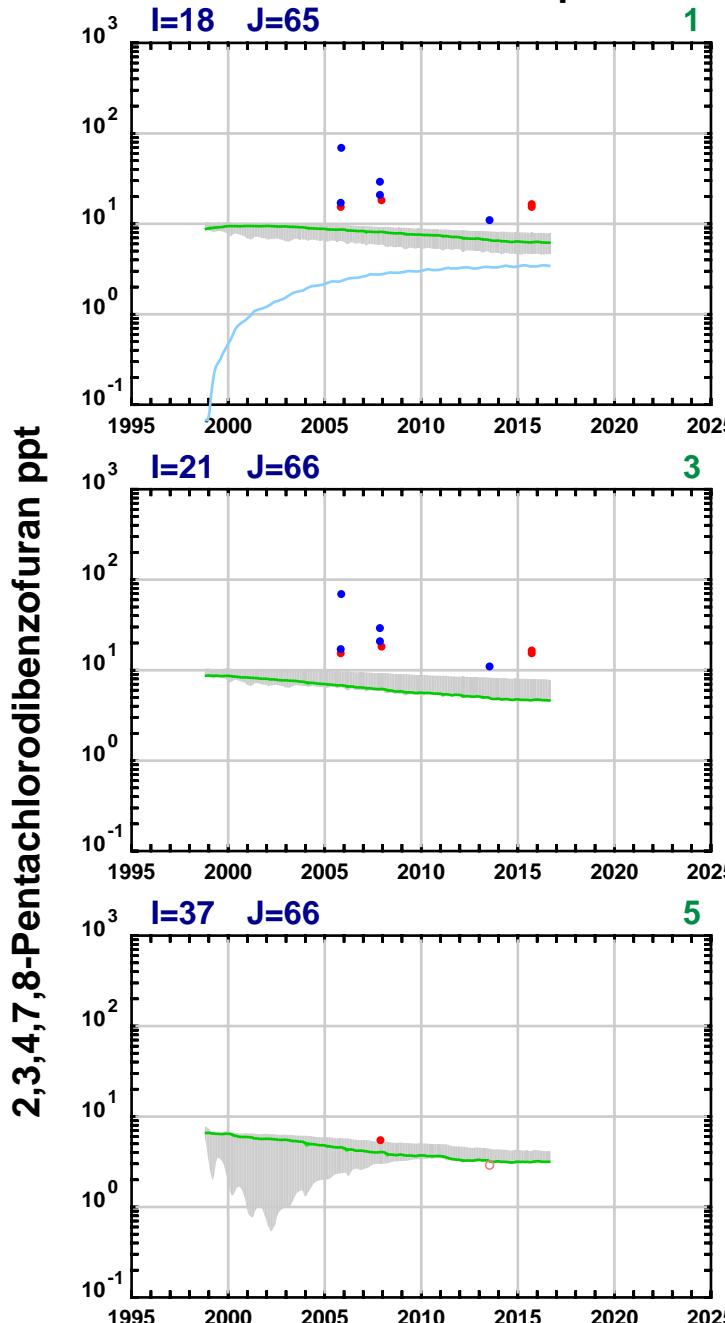
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Legend:

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

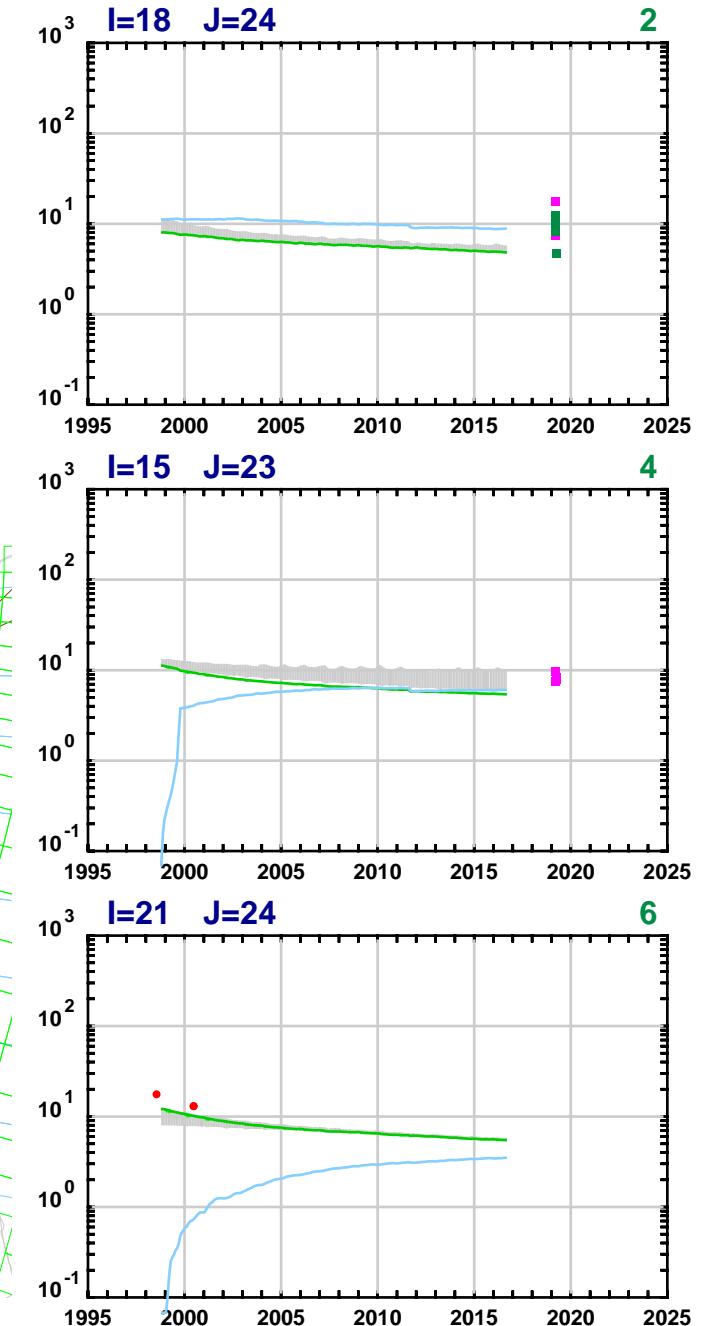
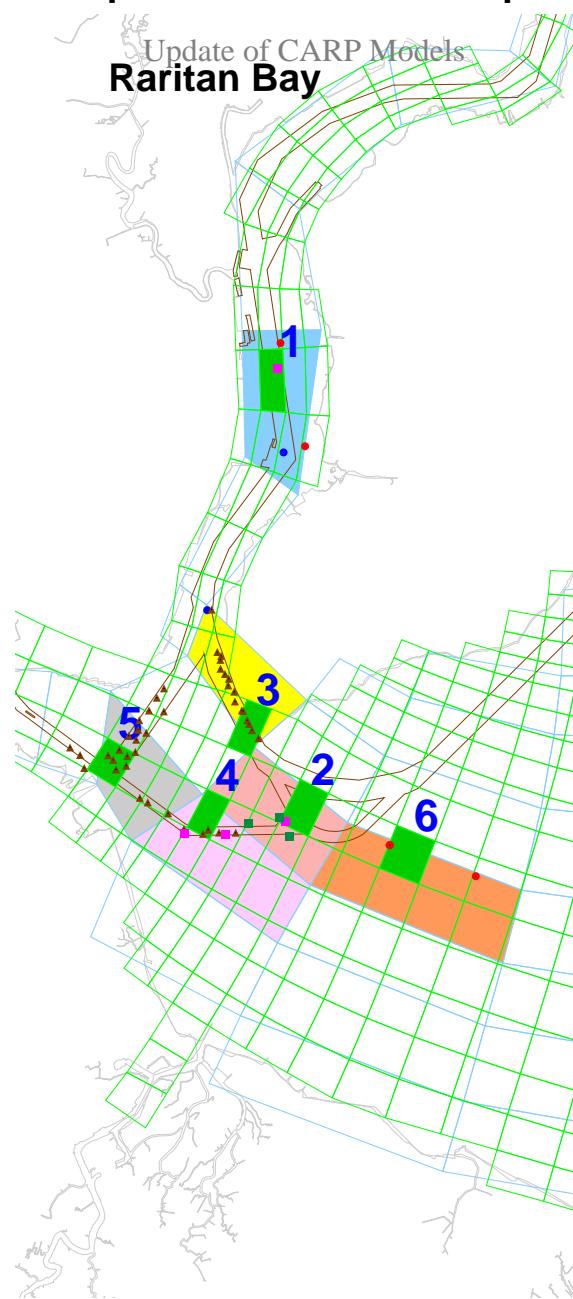
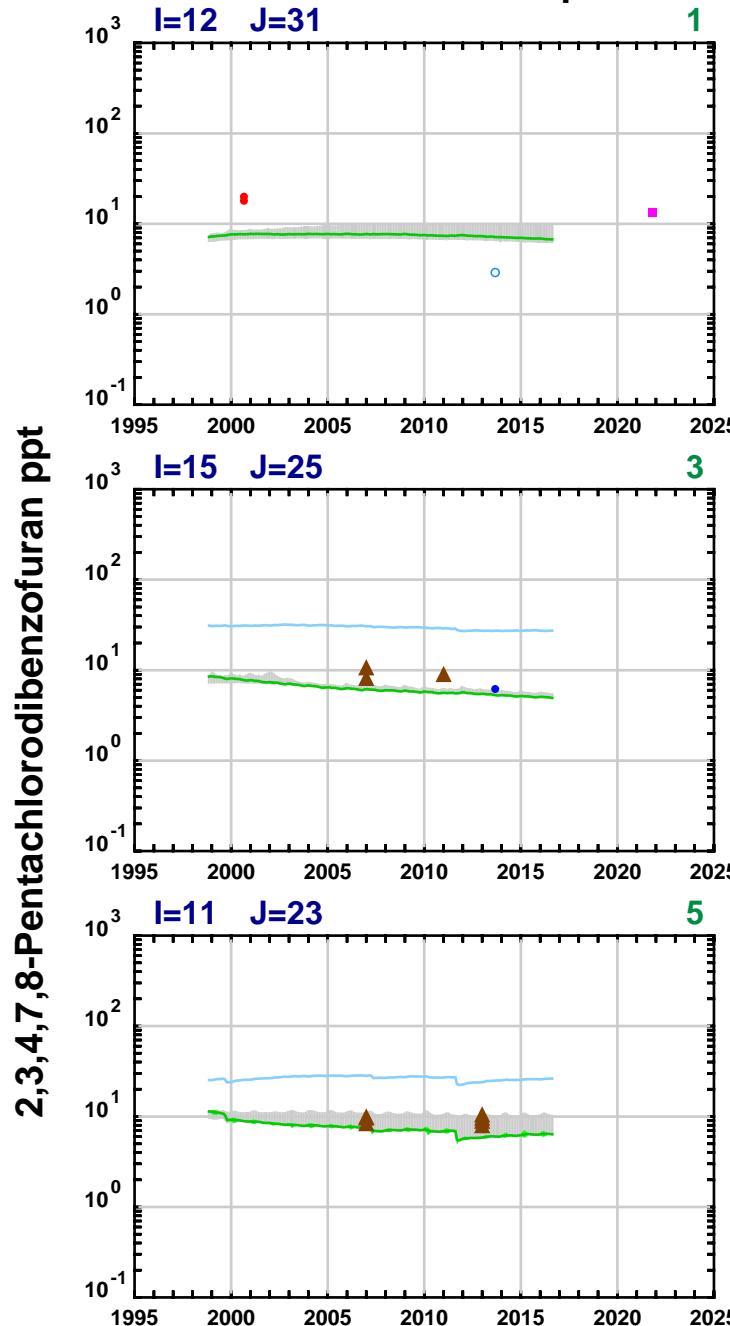


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

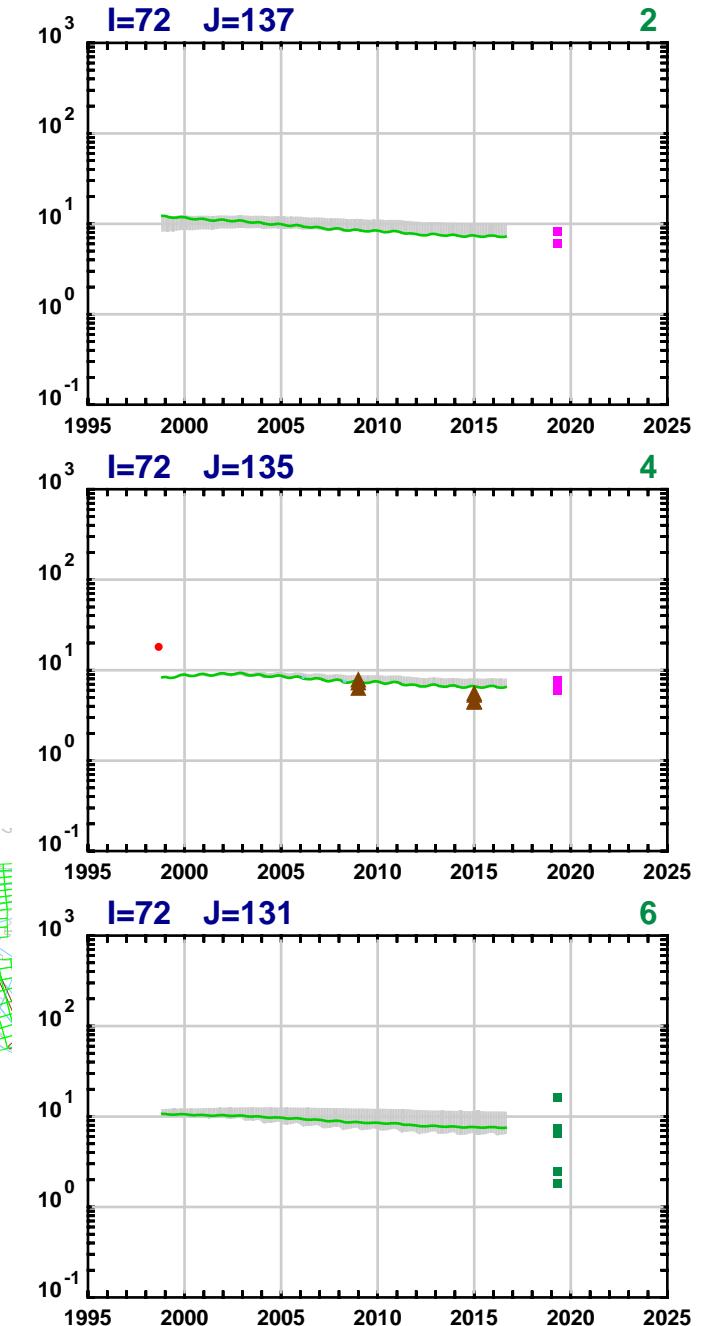
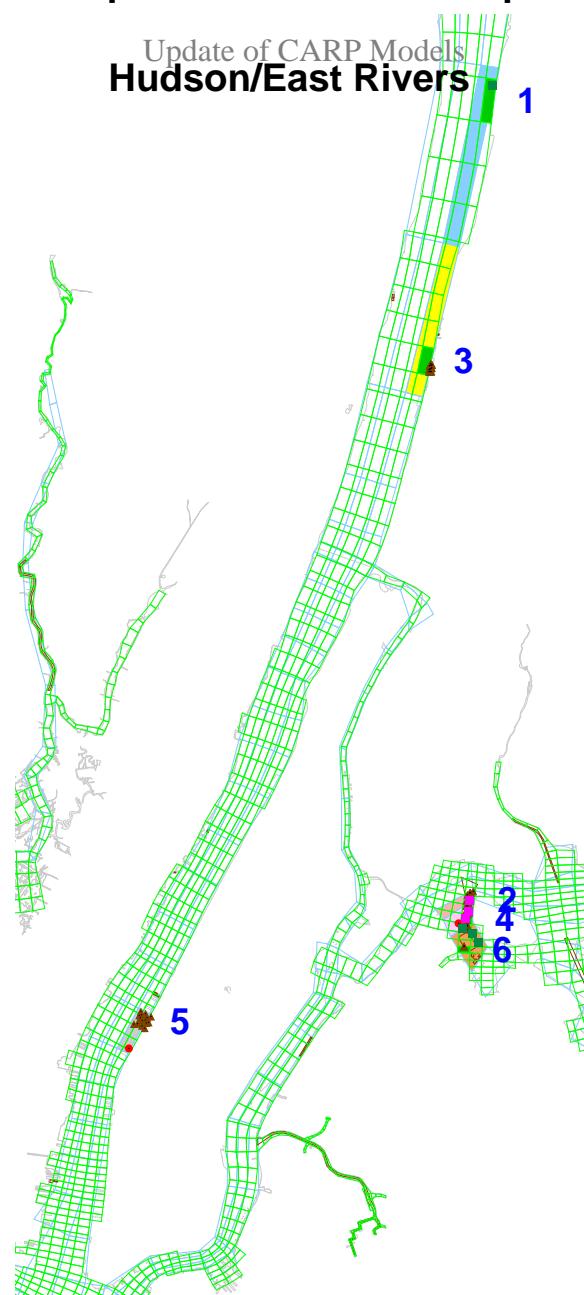
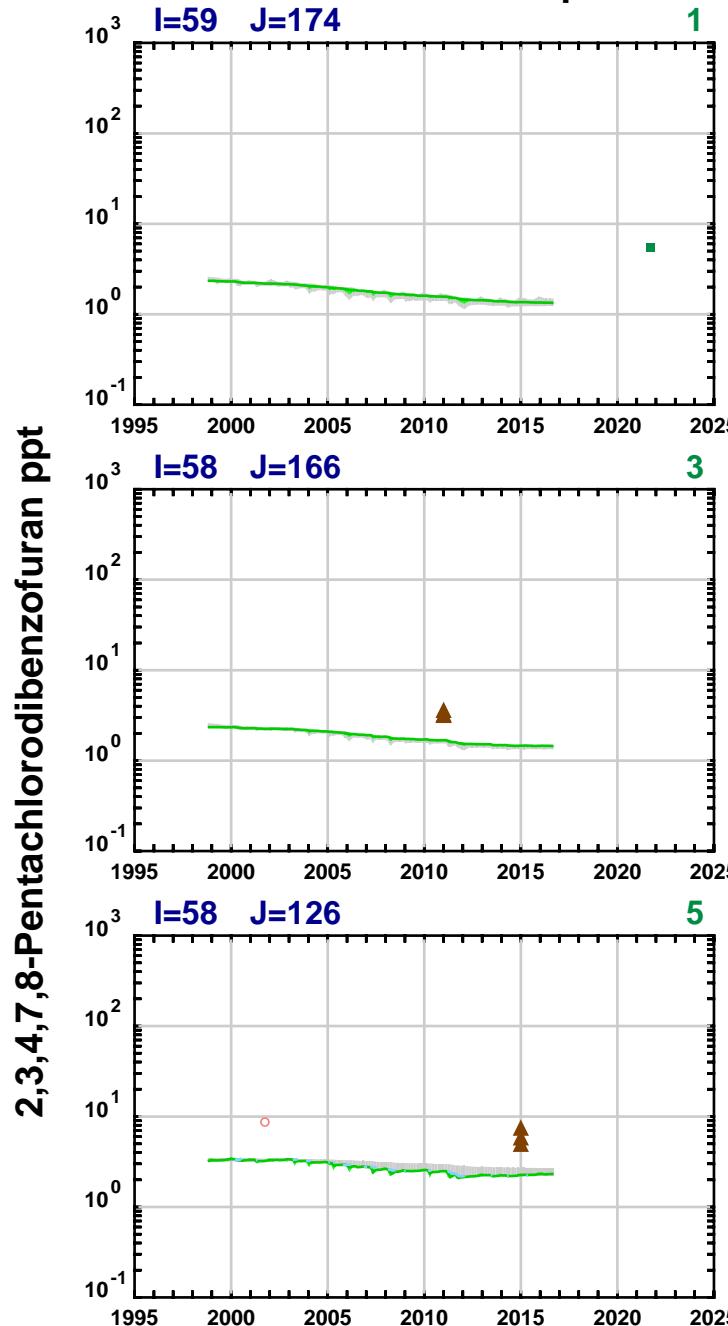
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



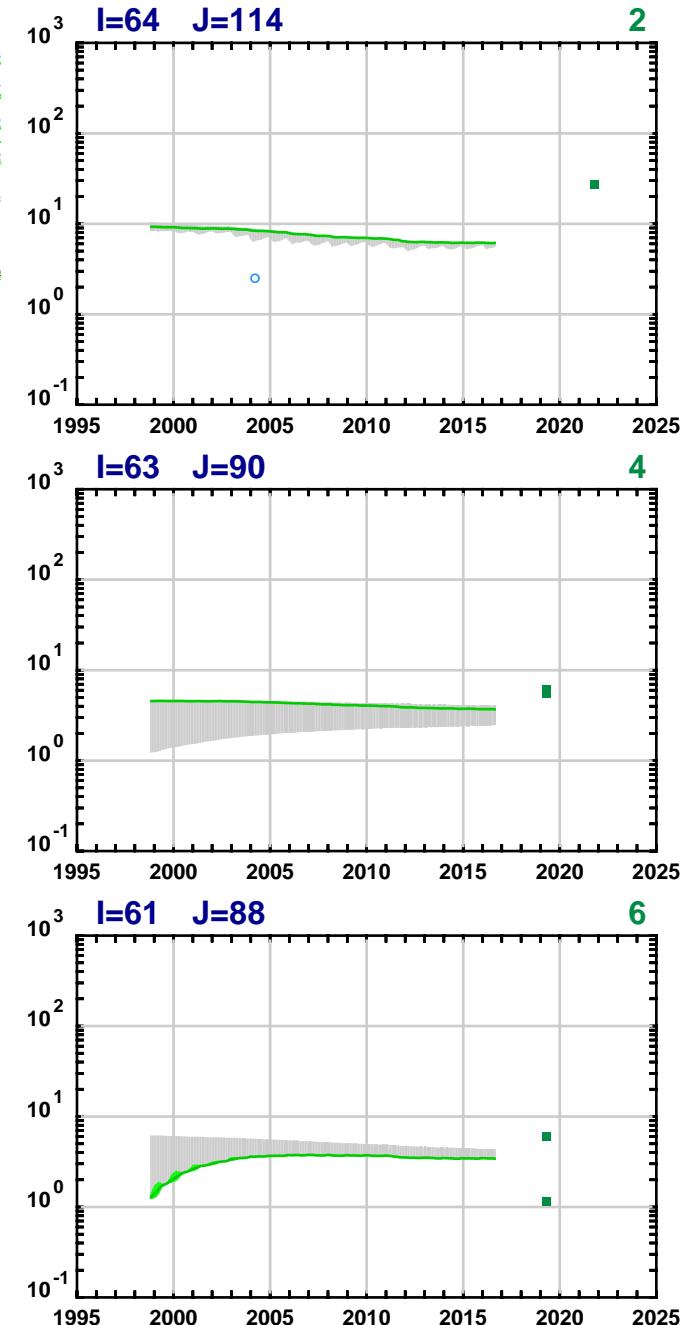
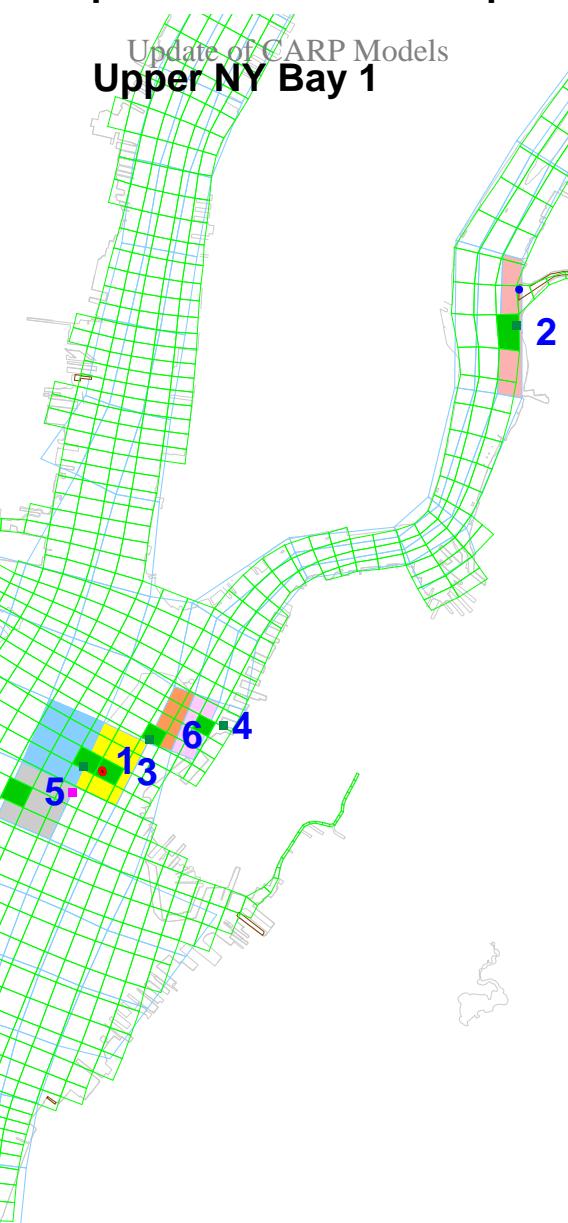
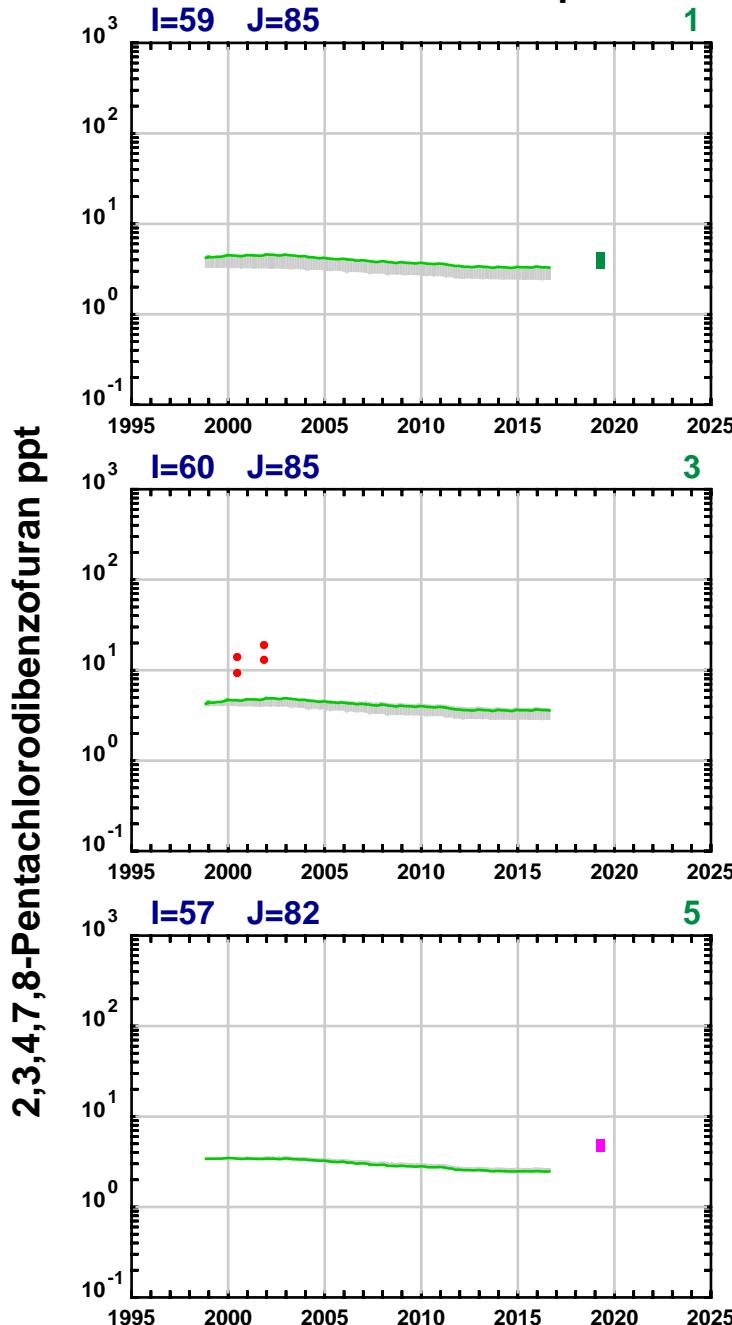
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Legend:

- In-channel data
- Off-channel data
- ▲ Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

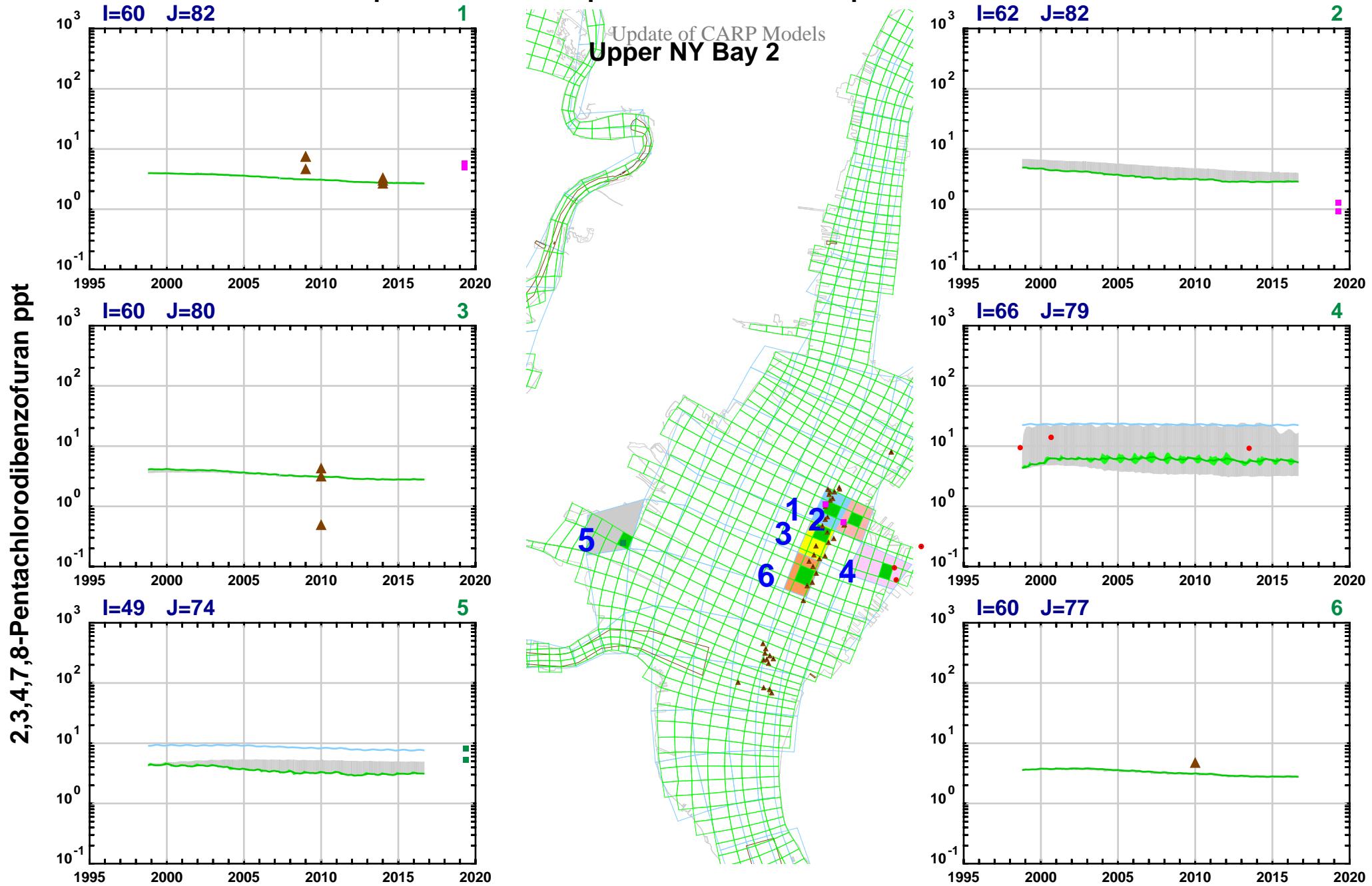


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



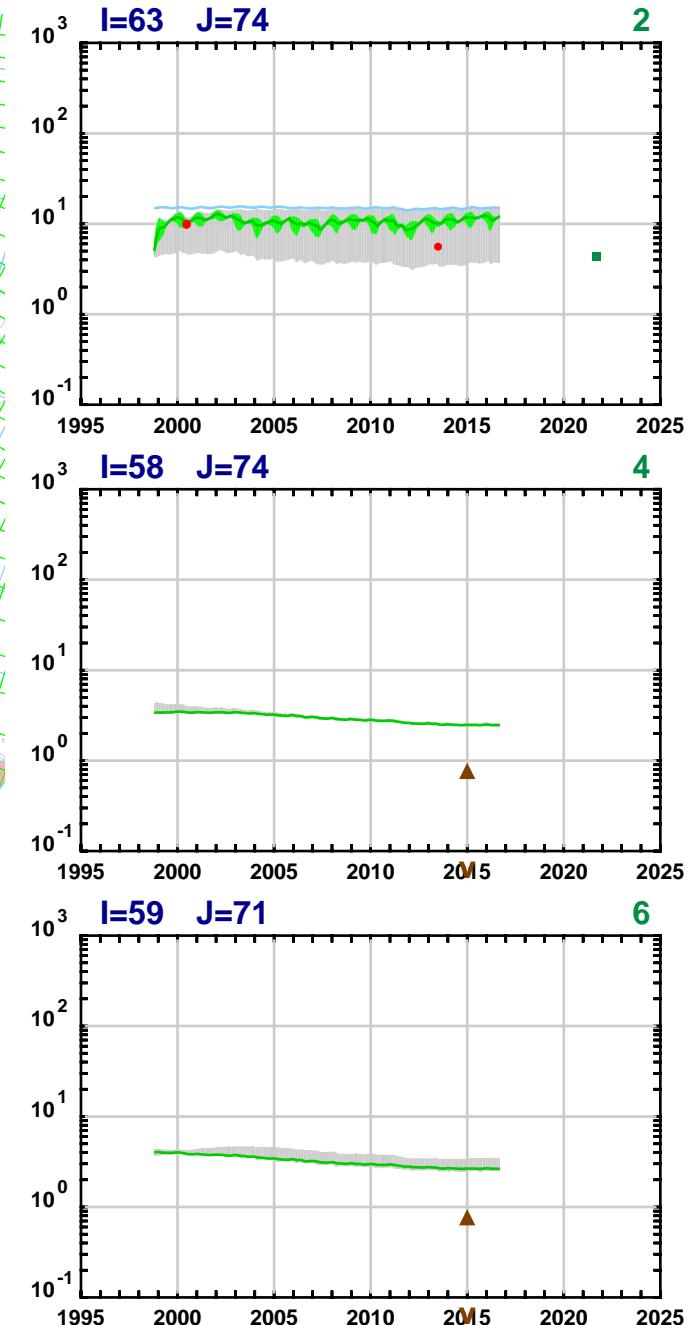
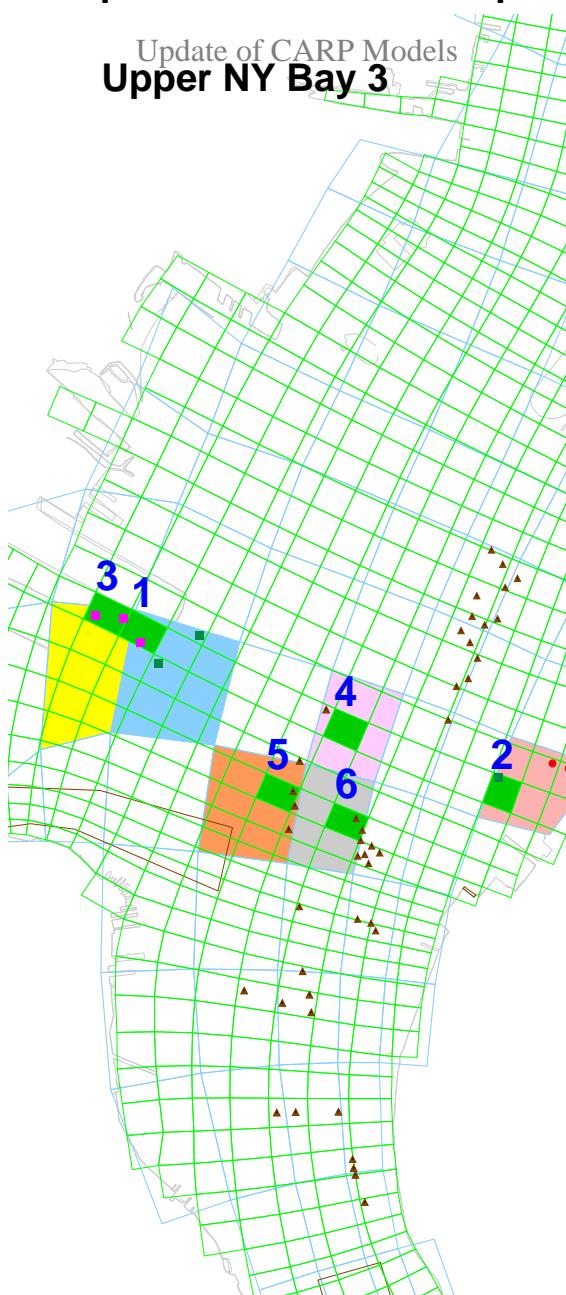
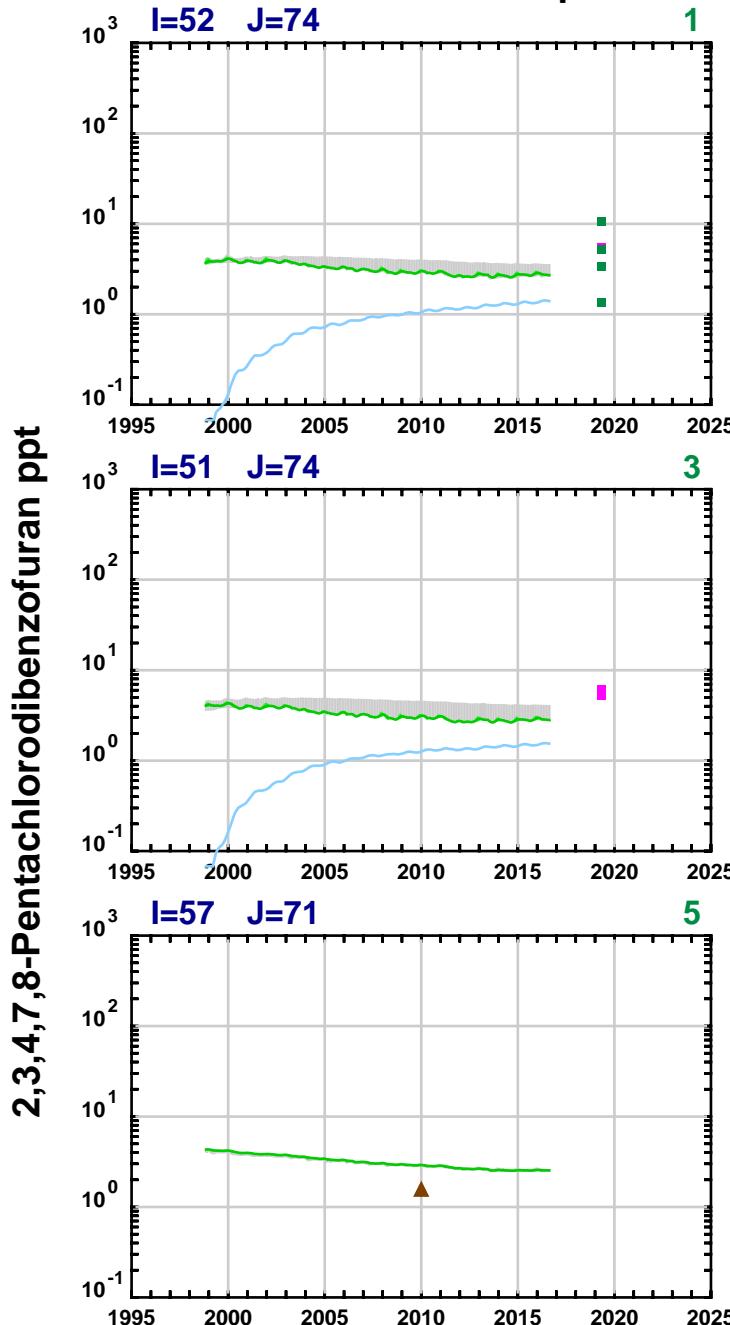
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

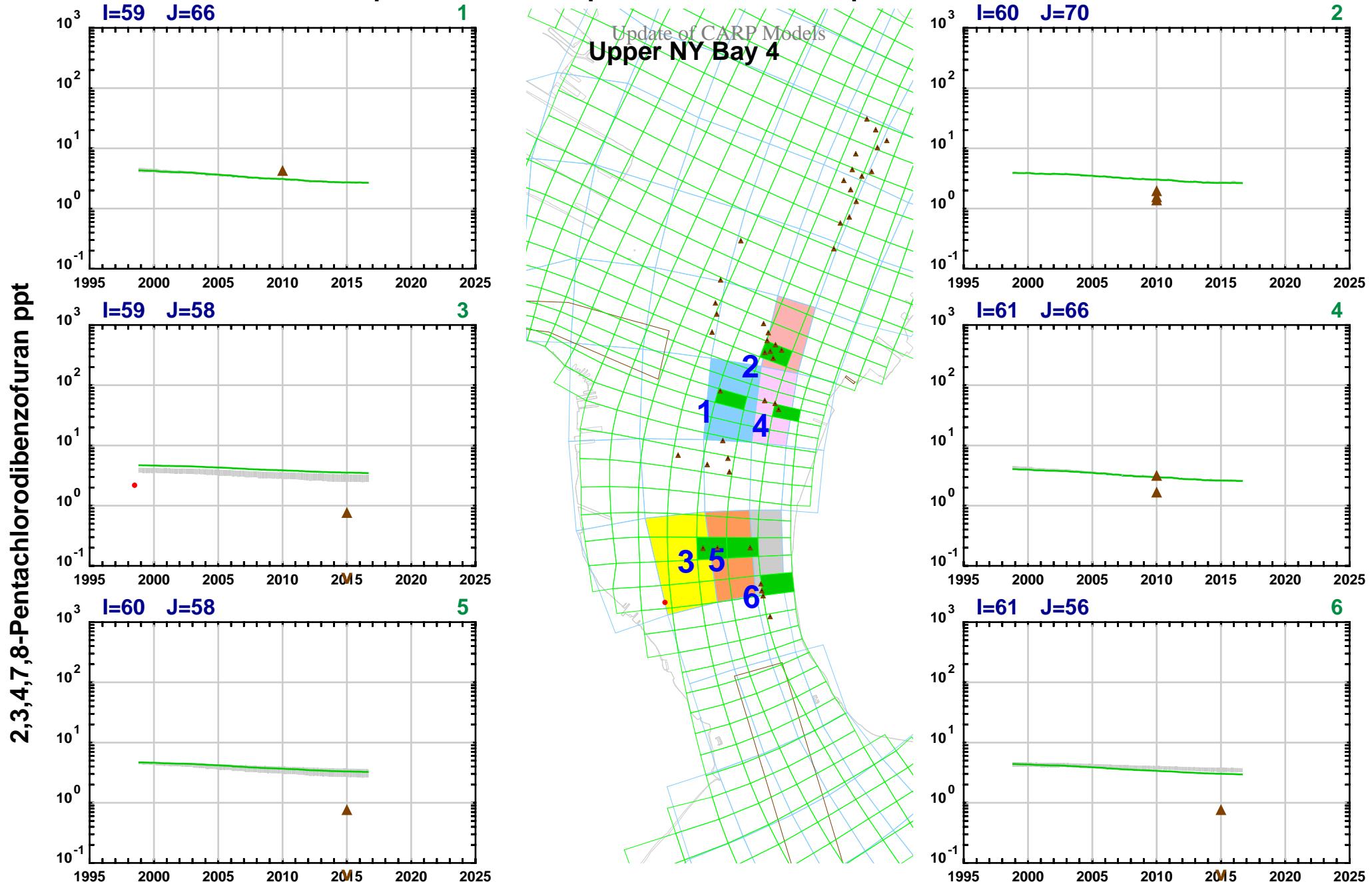


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



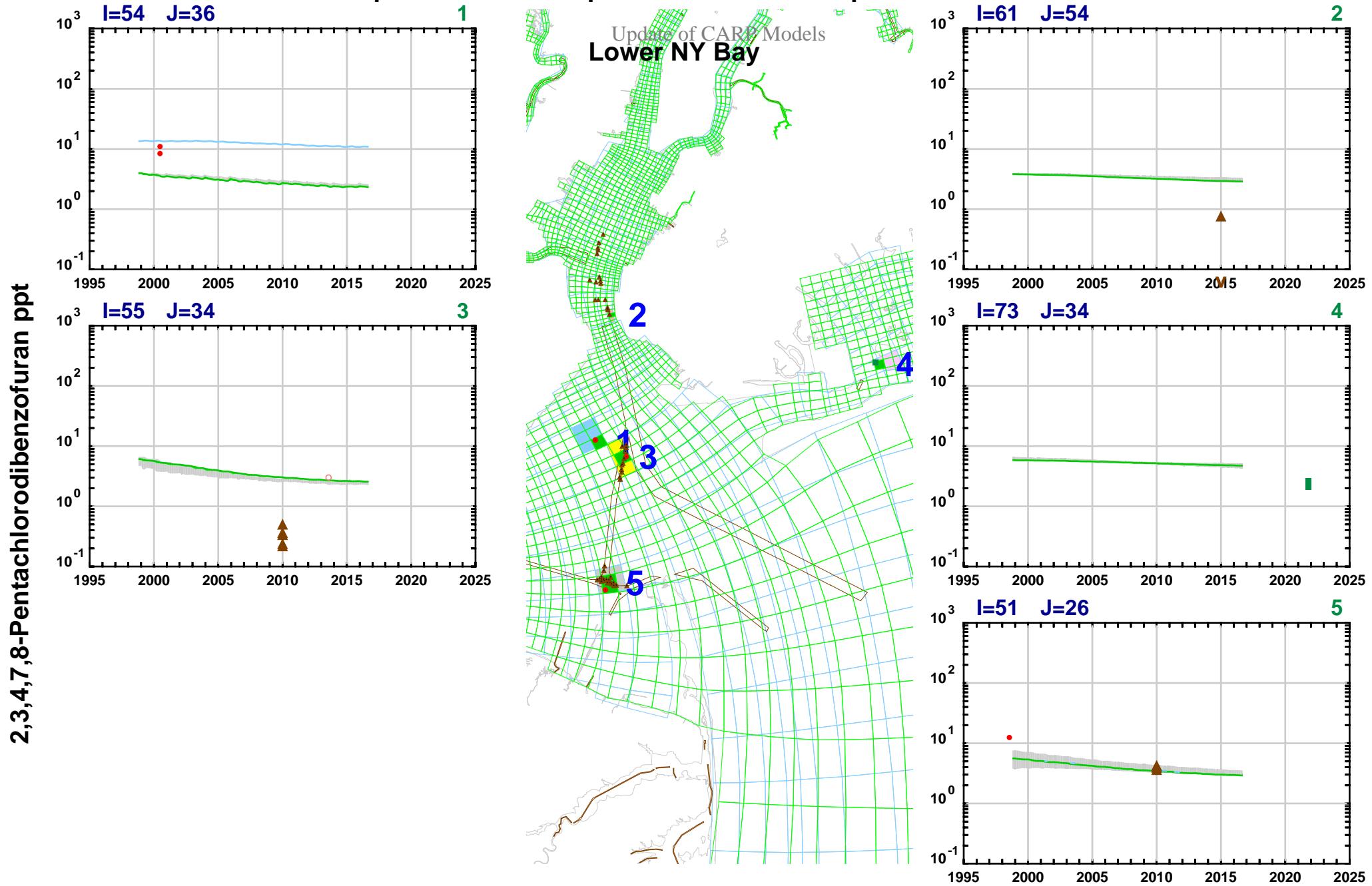
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

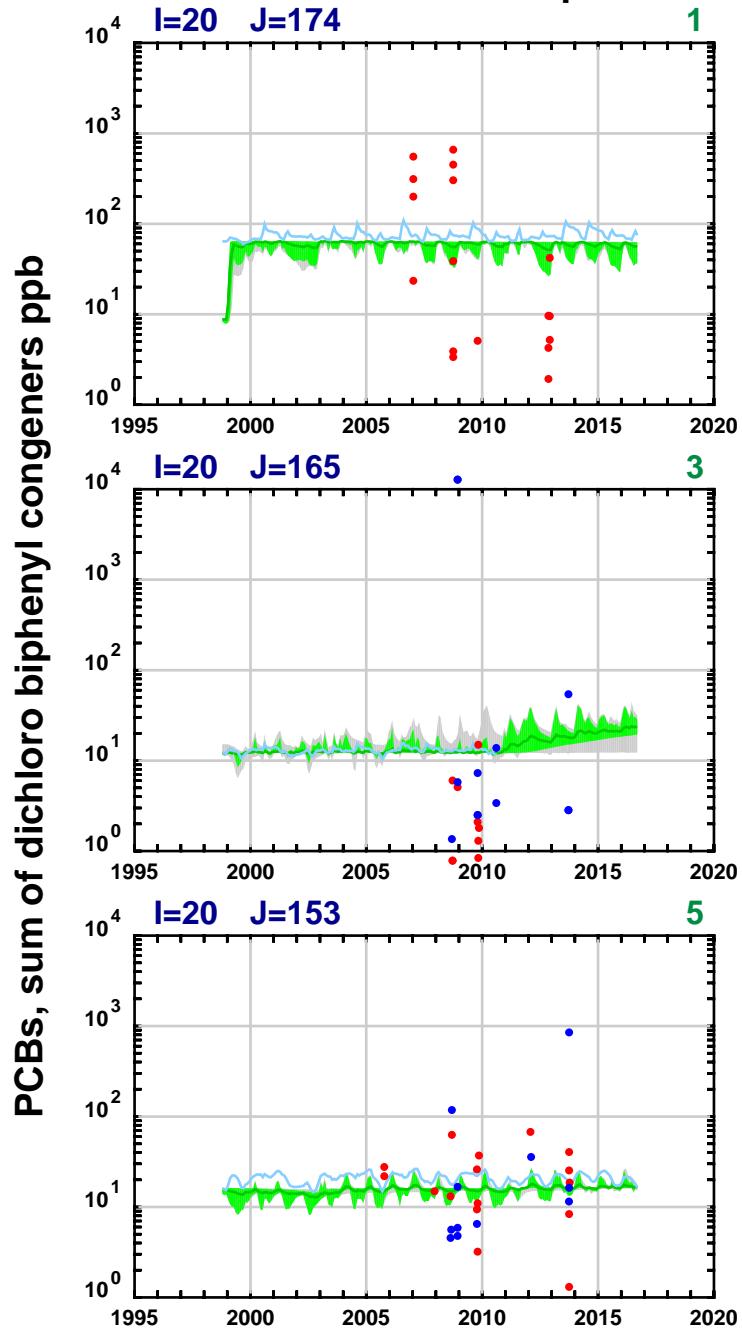
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

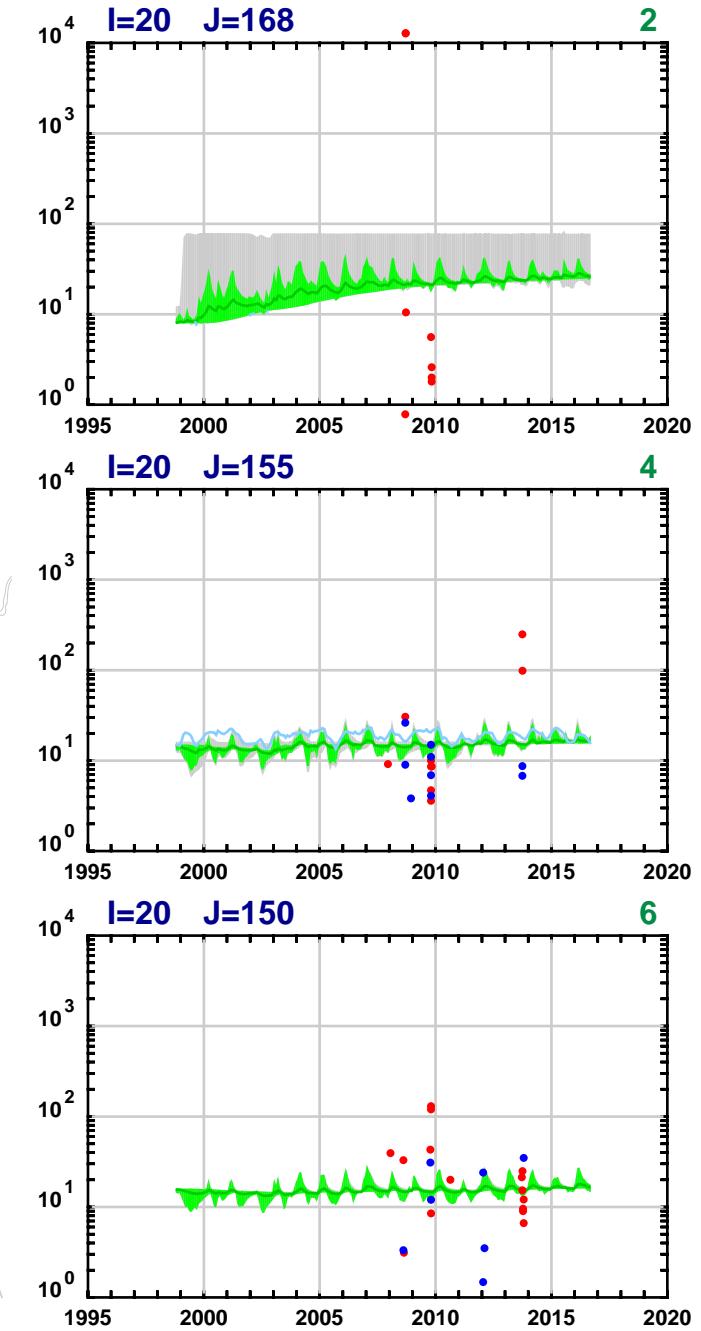
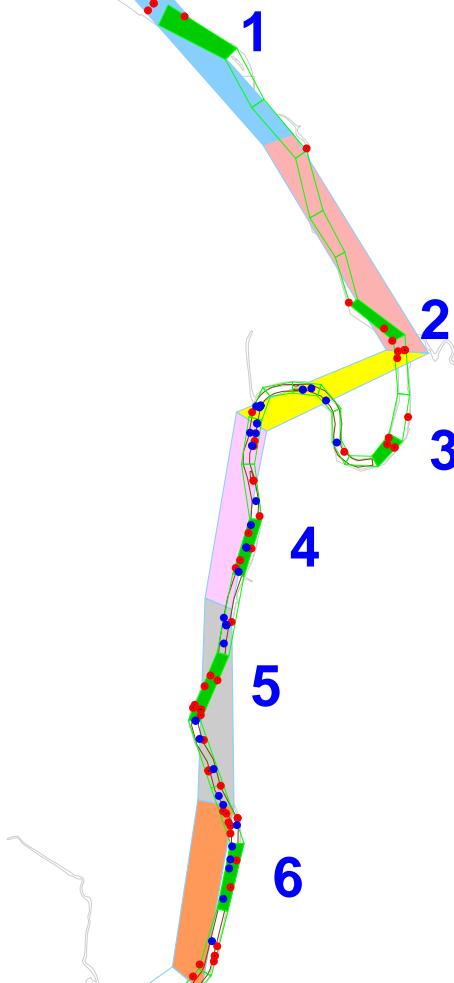
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- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I



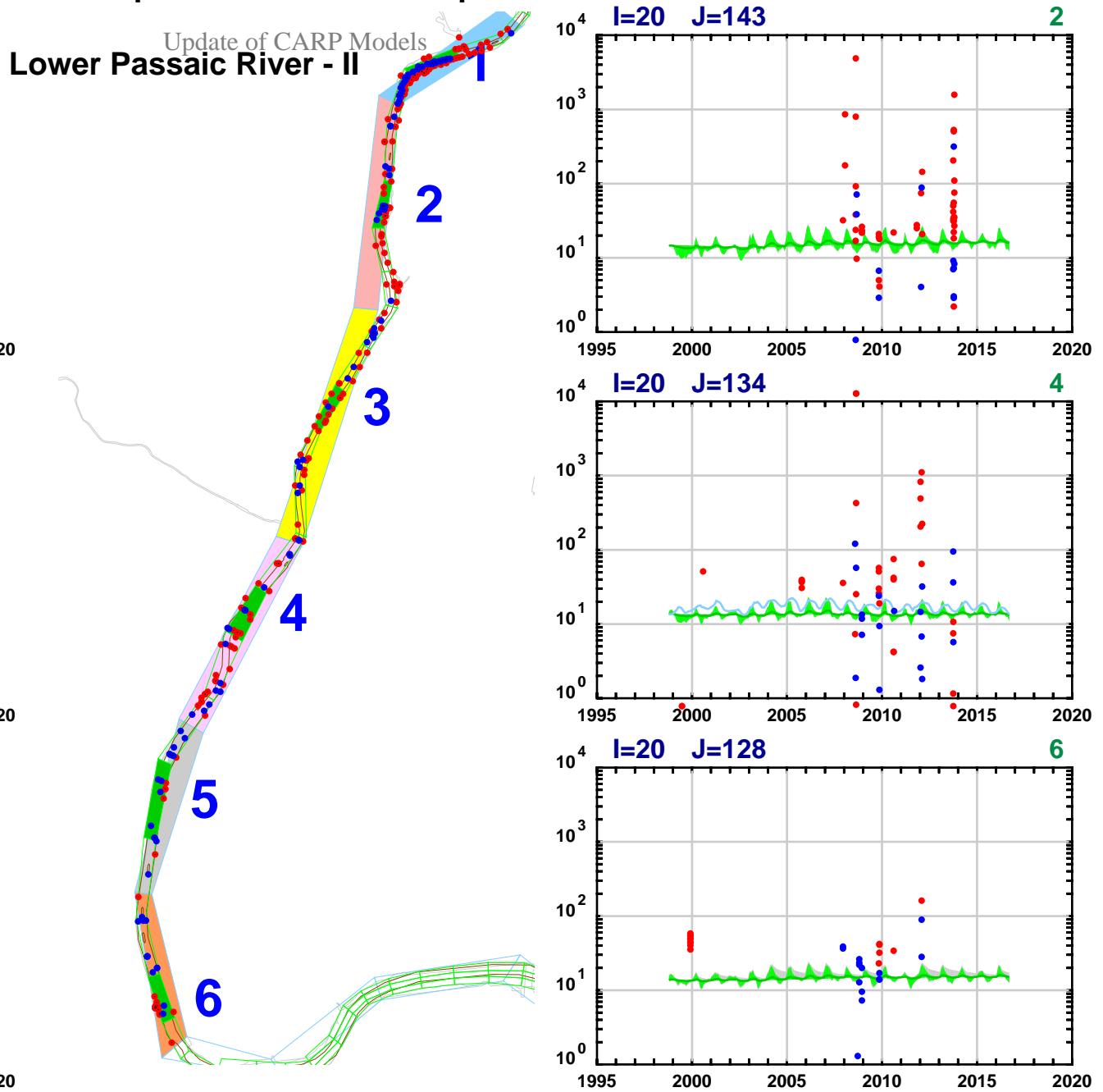
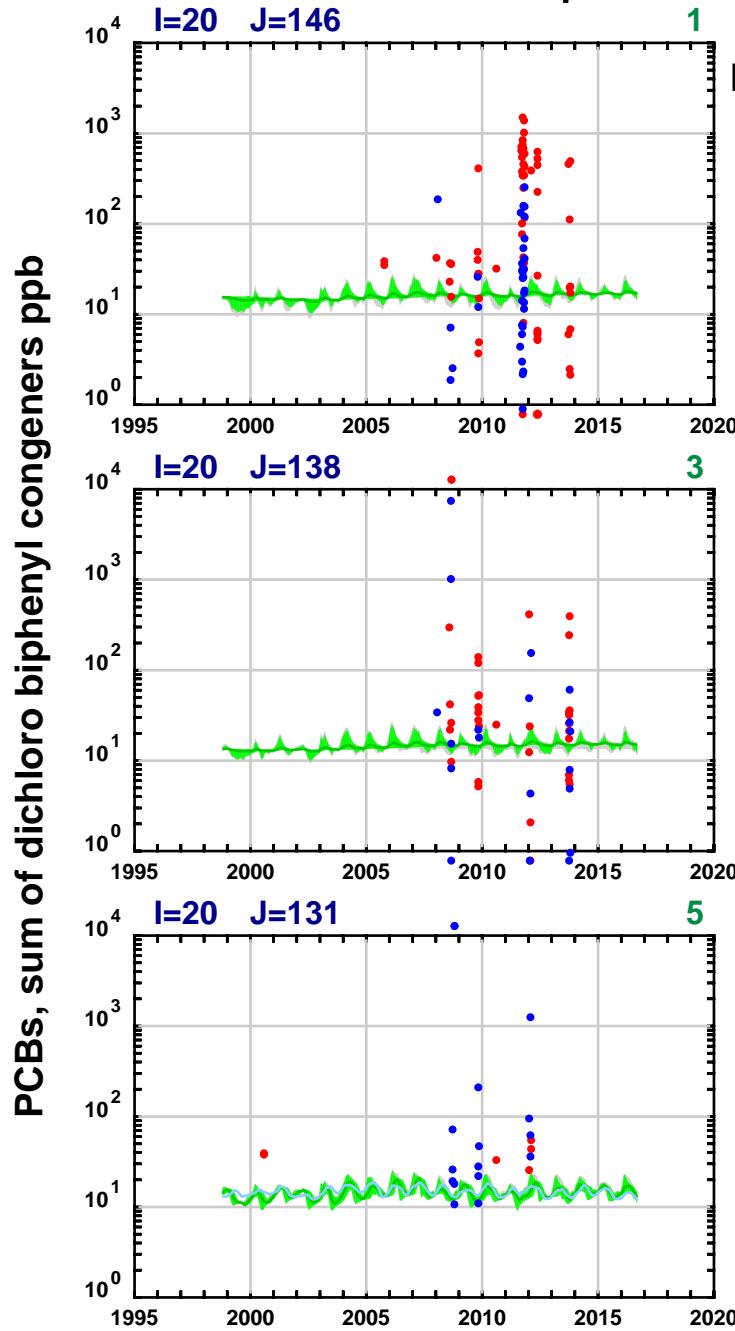
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



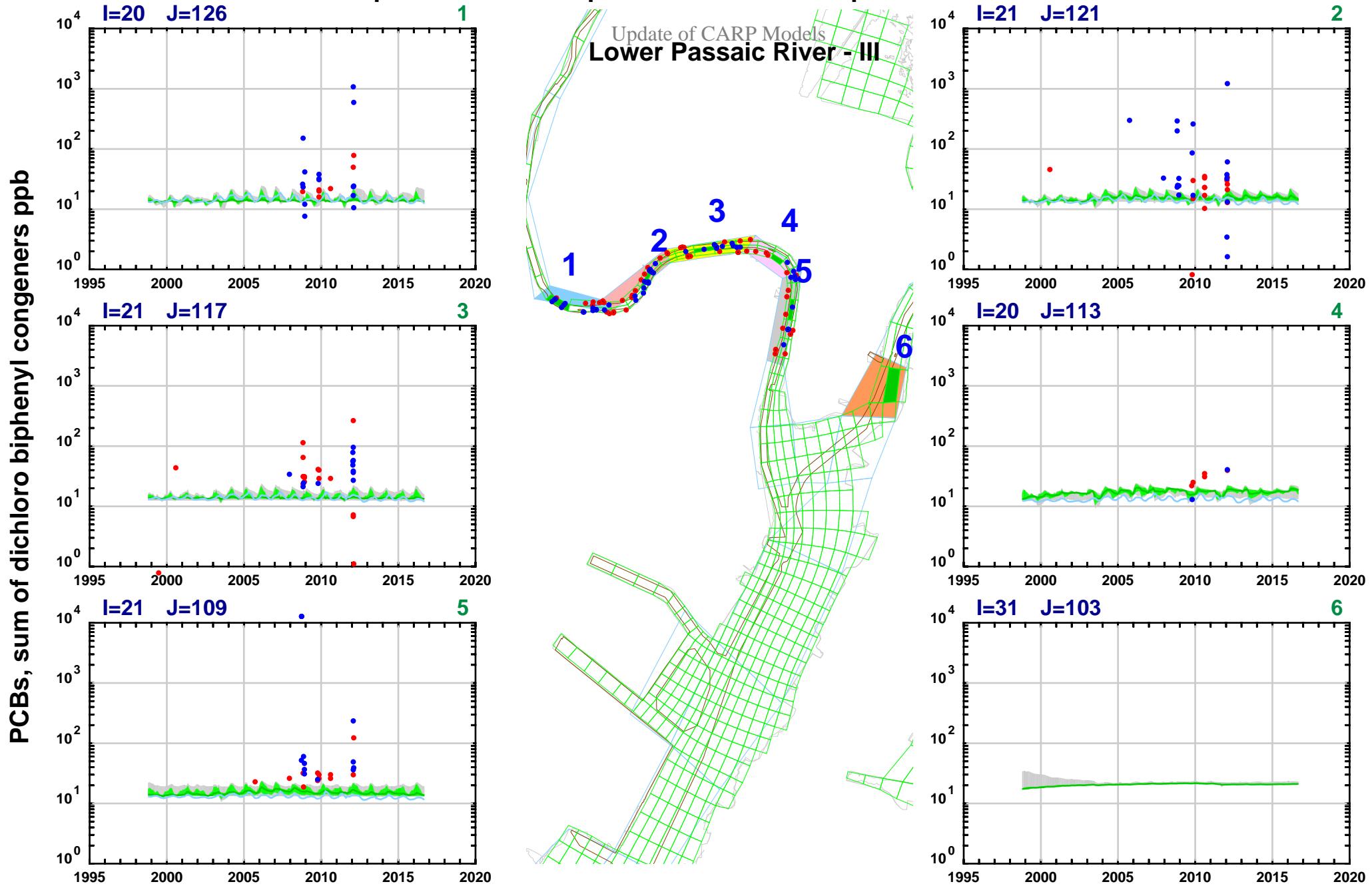
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



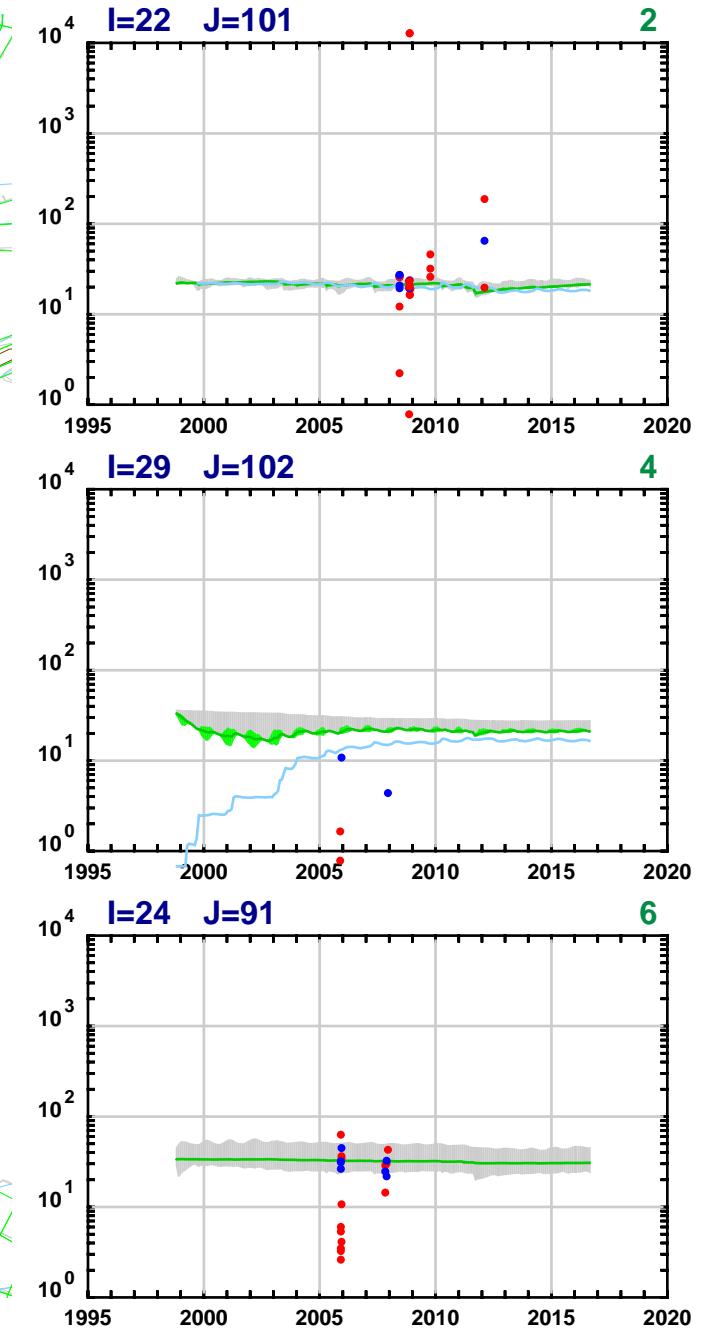
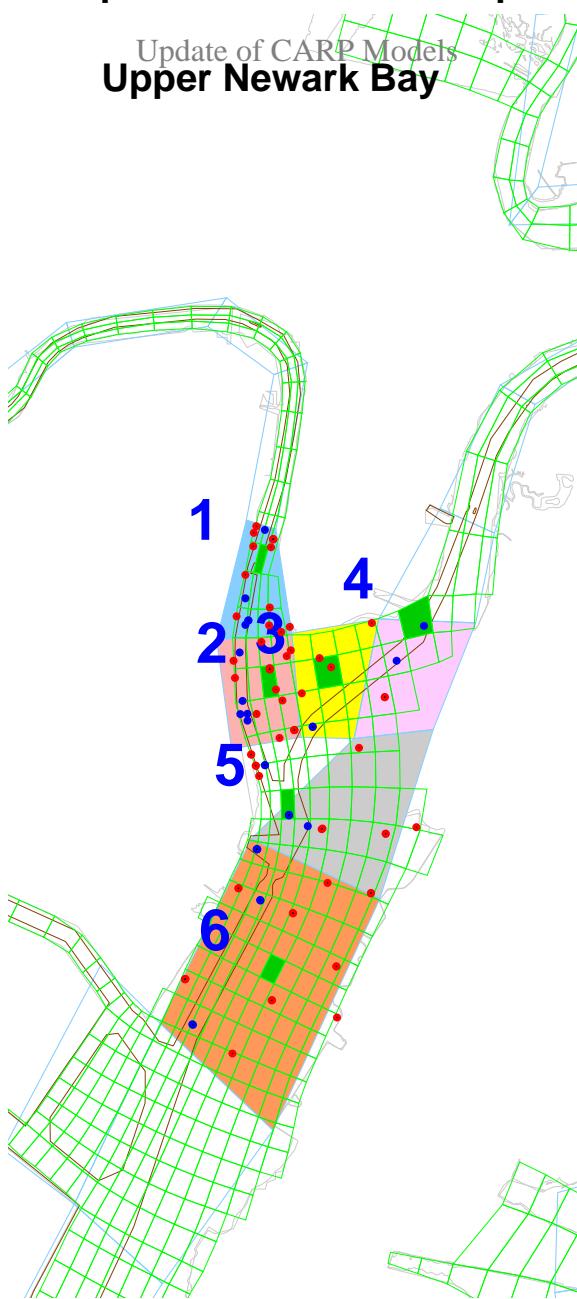
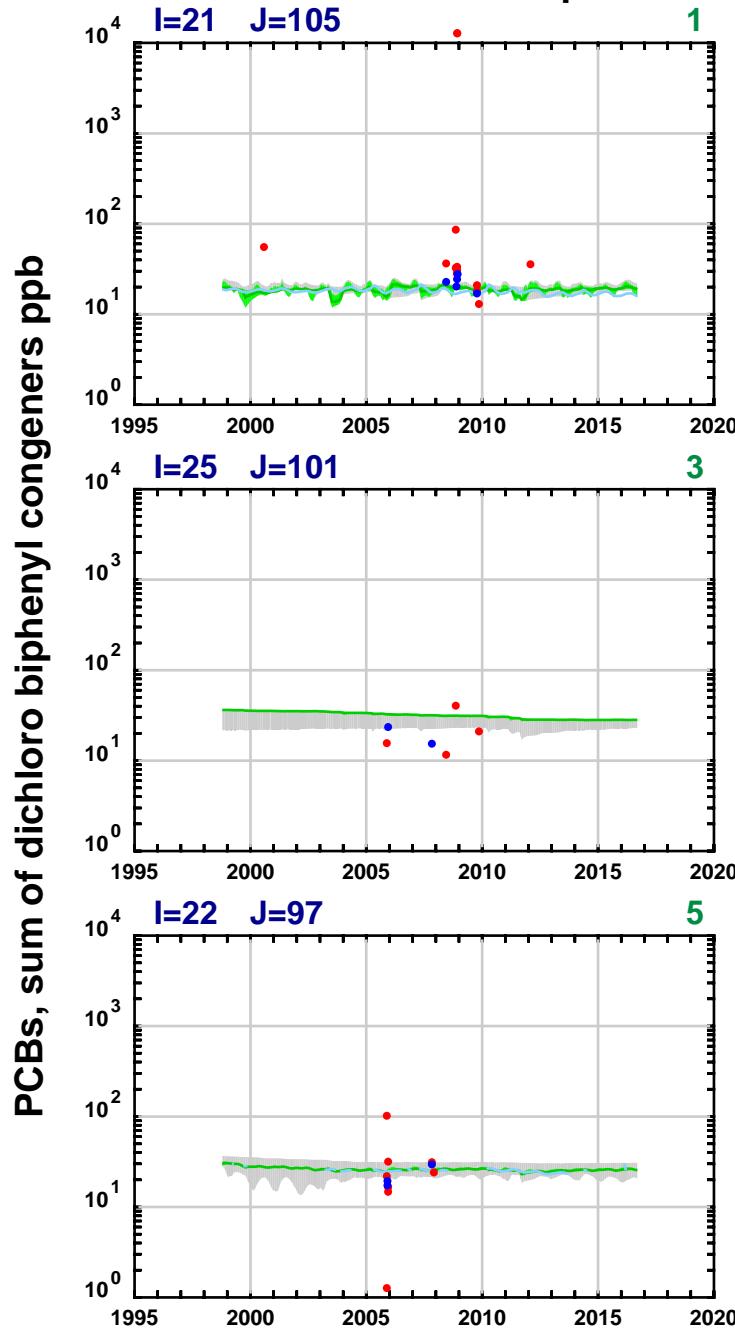
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

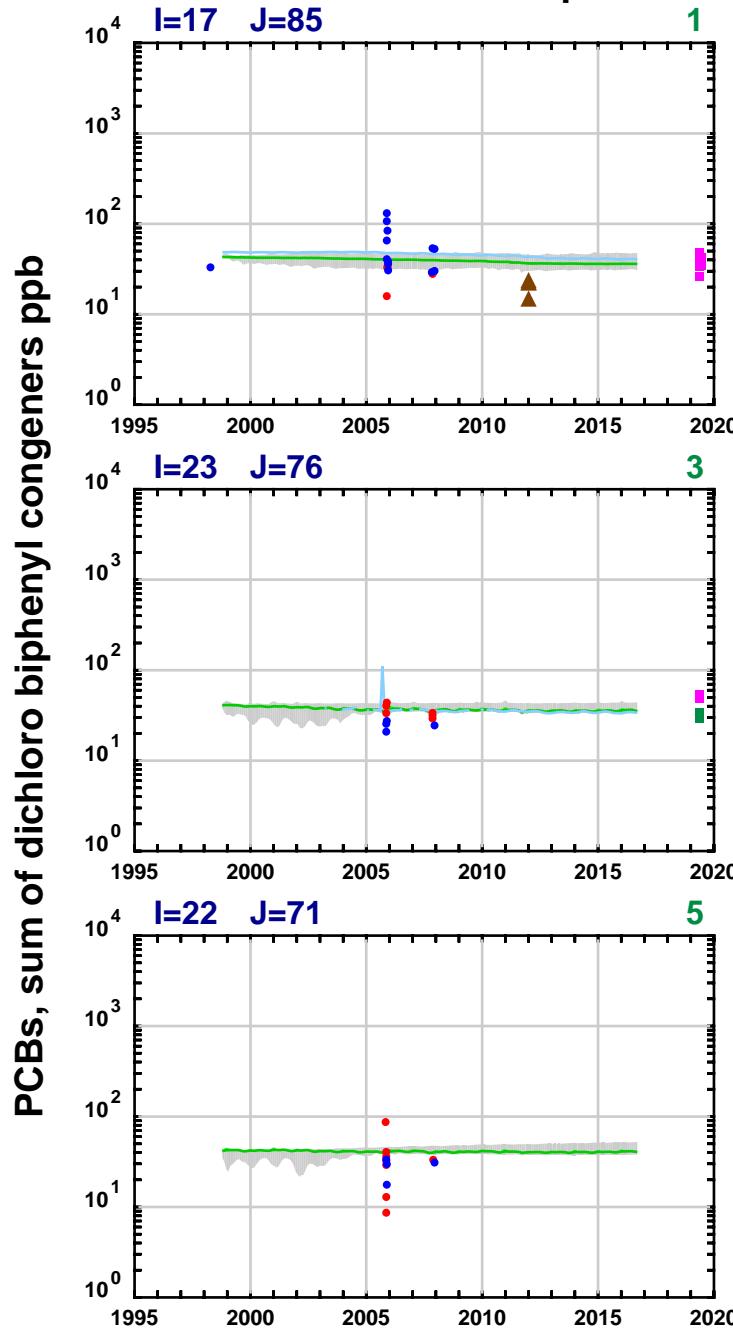


RUN18

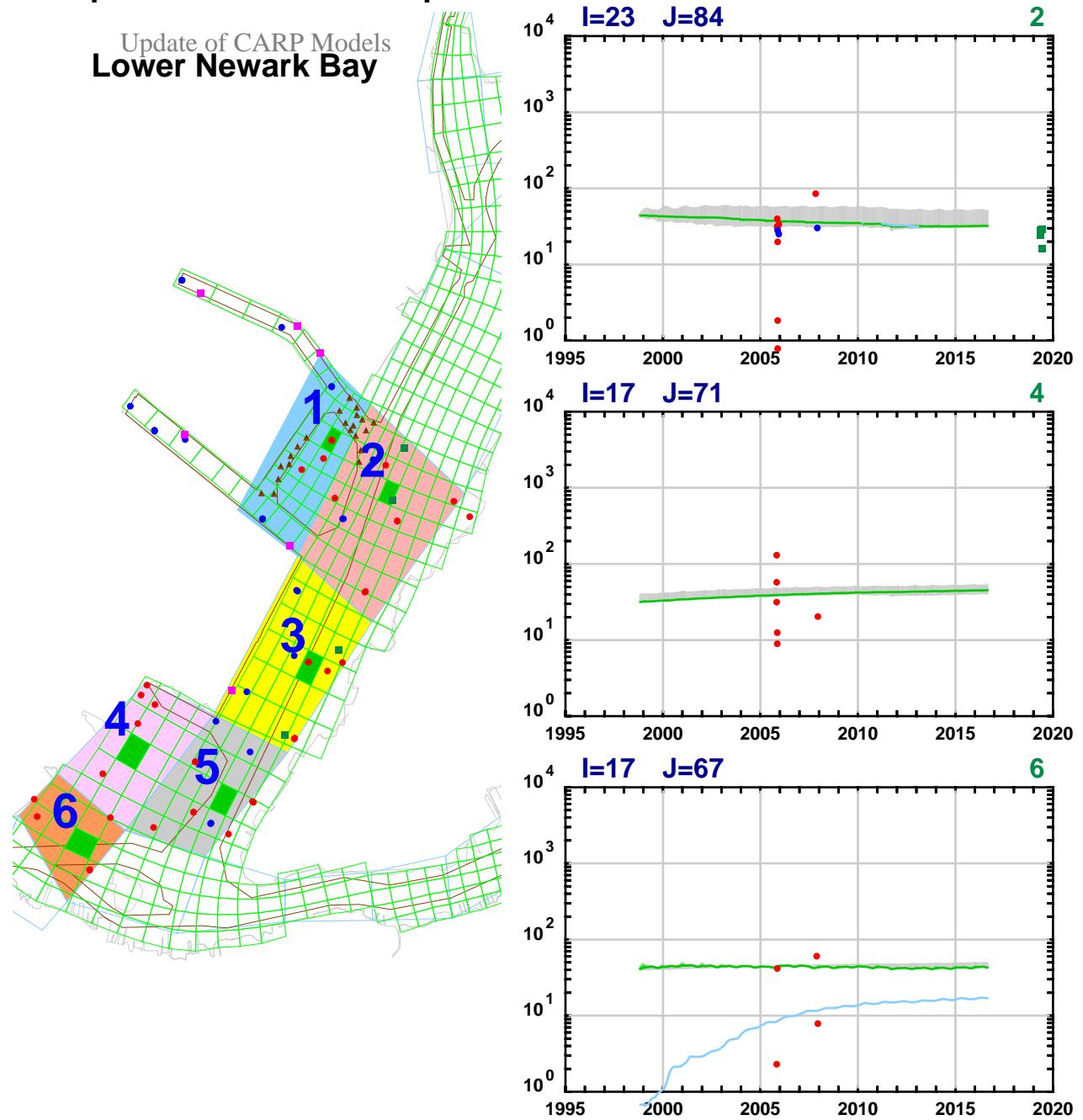
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay



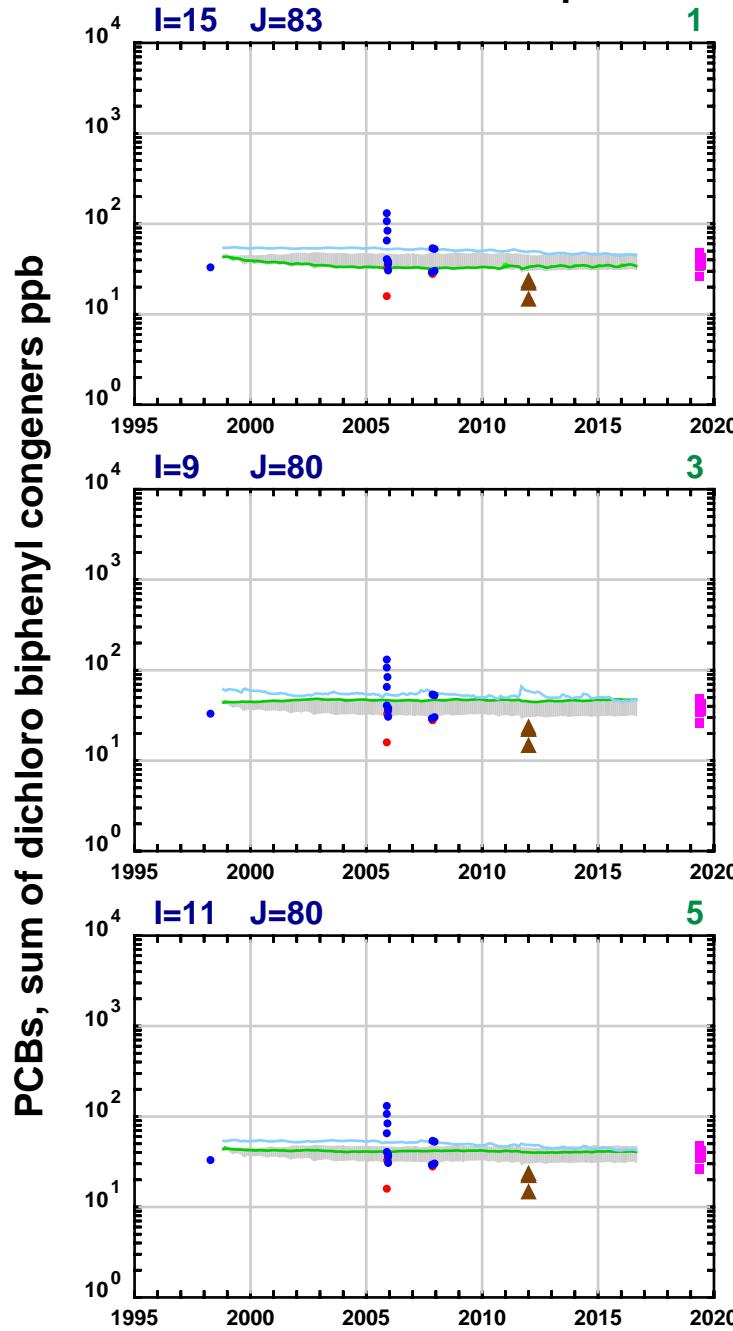
RUN18

Model: mean and range of values in top sediment

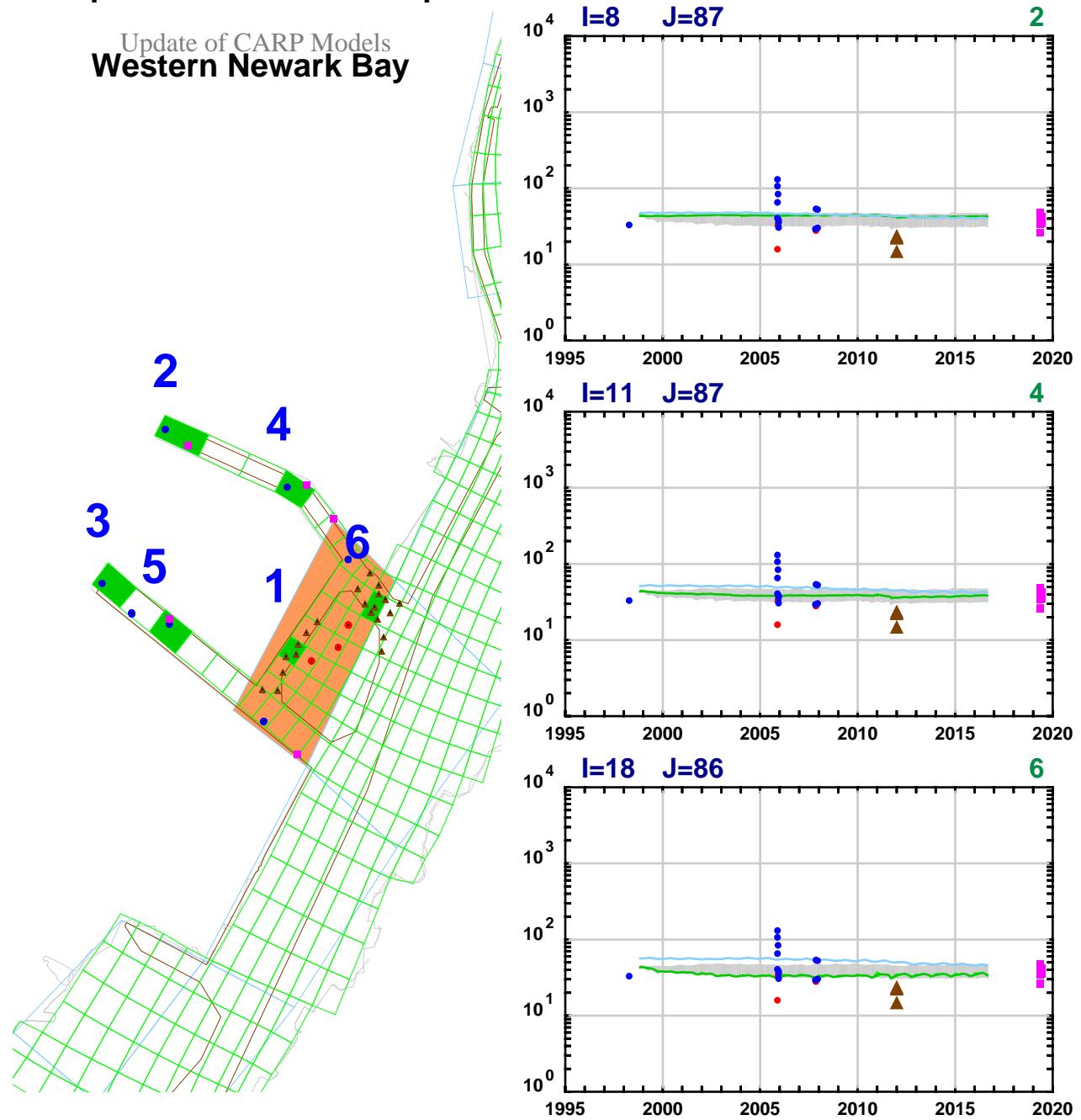
Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models Western Newark Bay



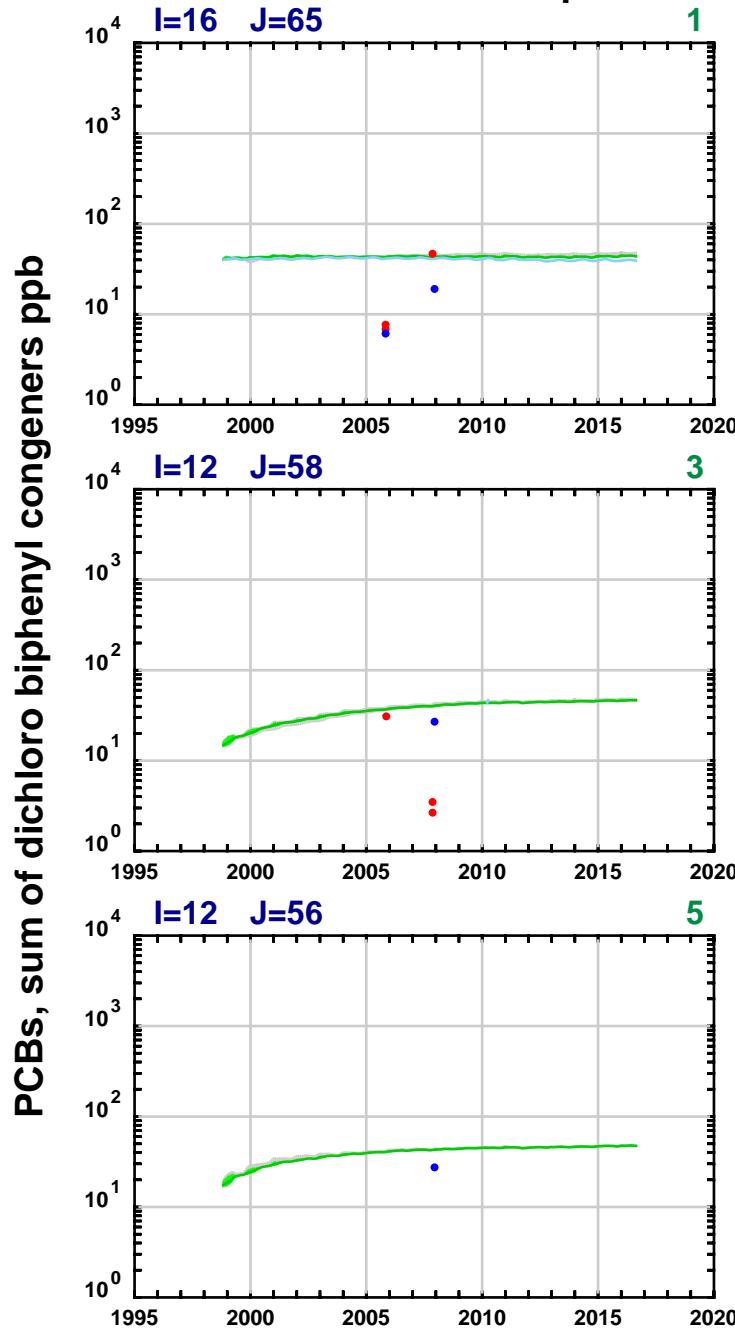
RUN18

Model: mean and range of values in top sediment

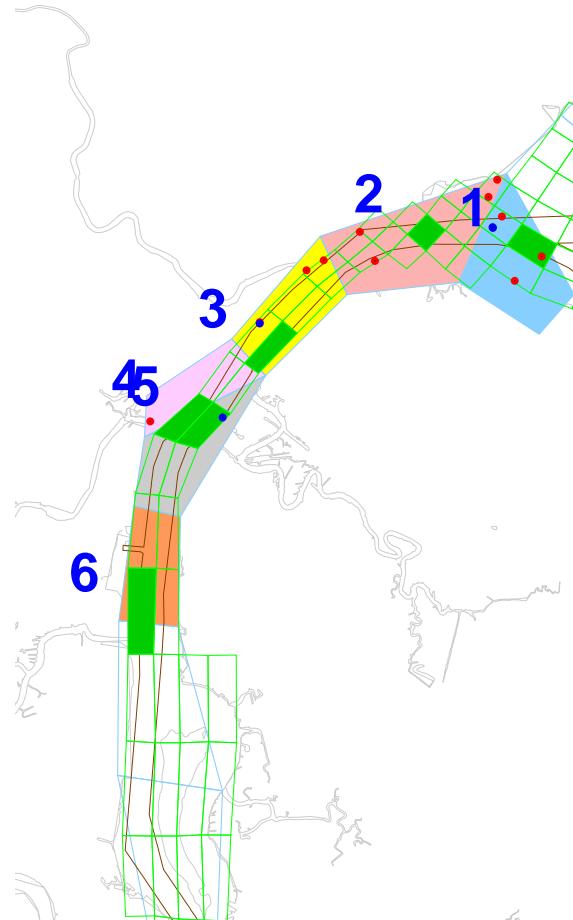
Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1



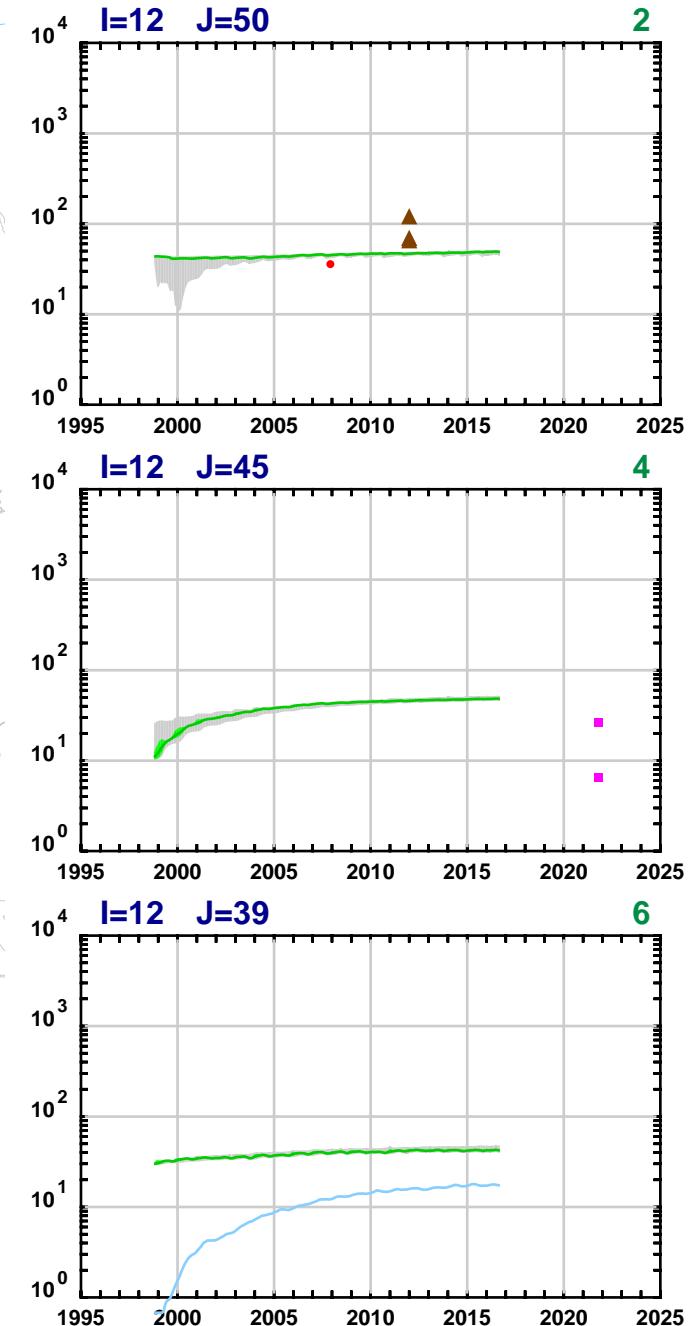
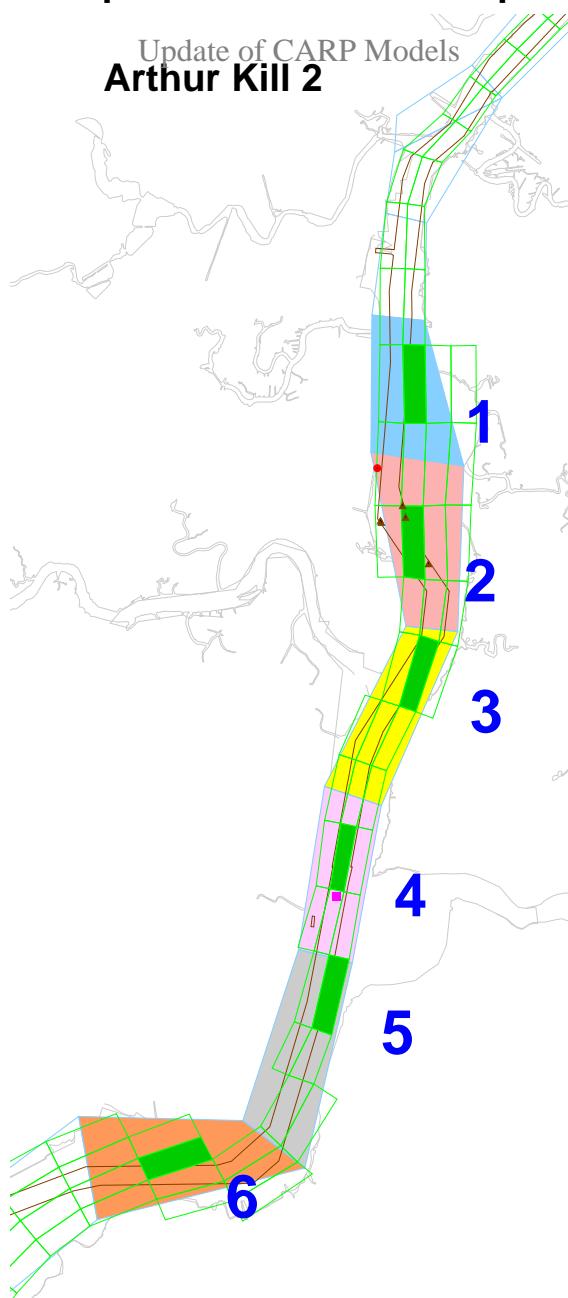
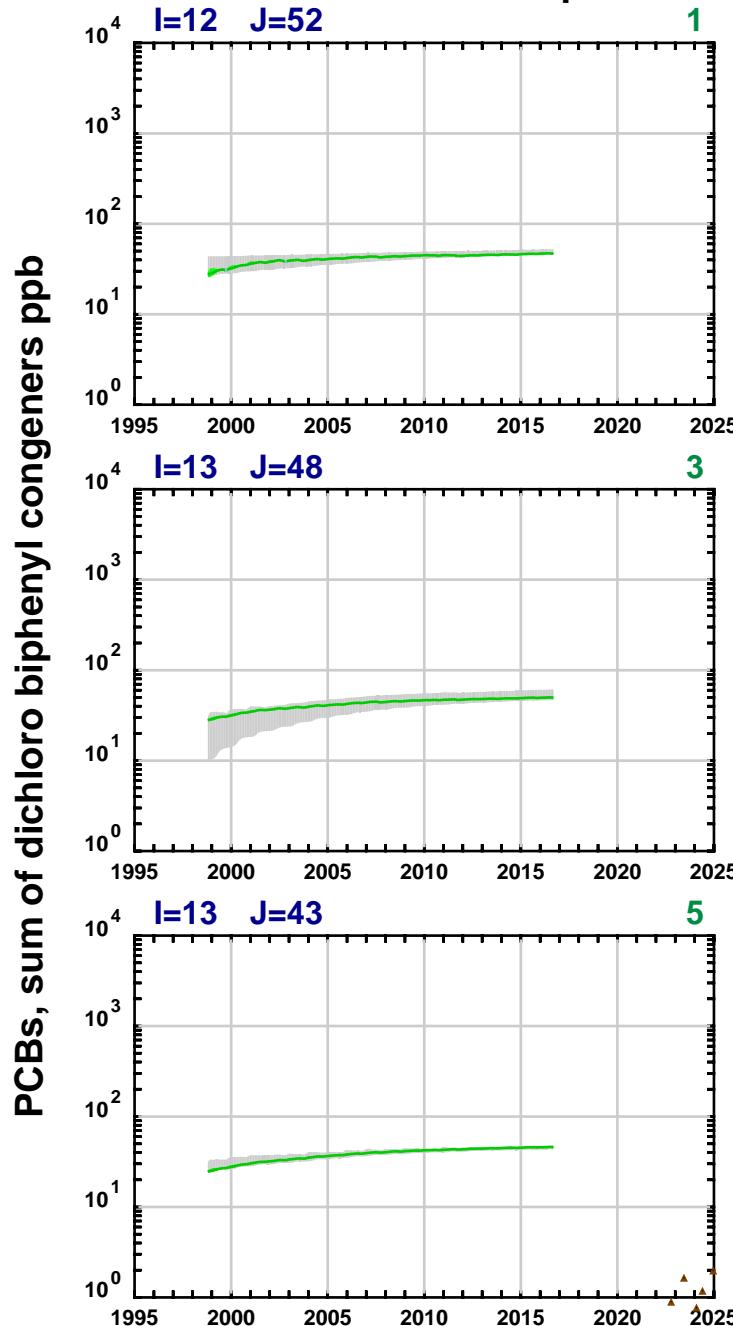
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

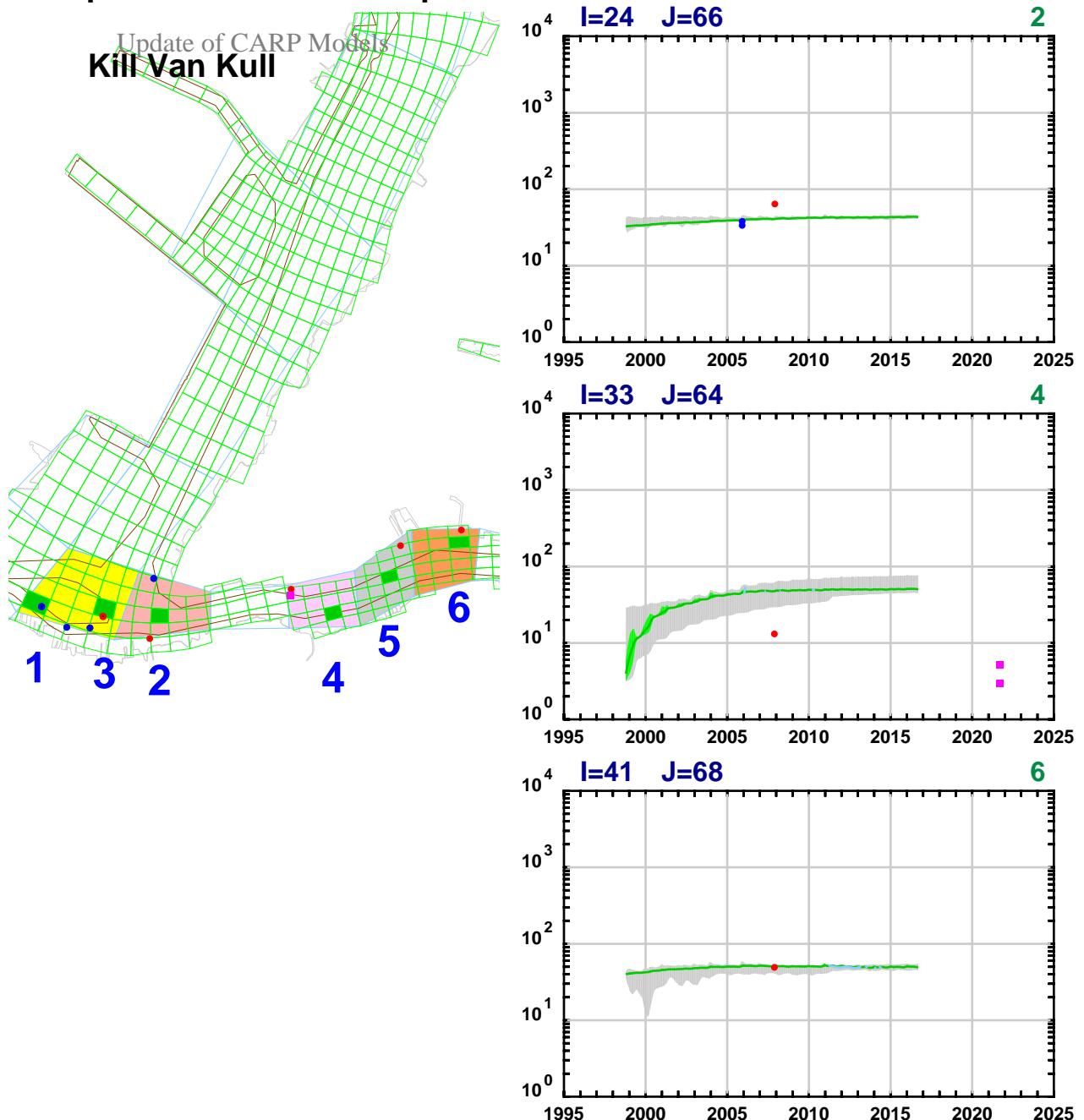
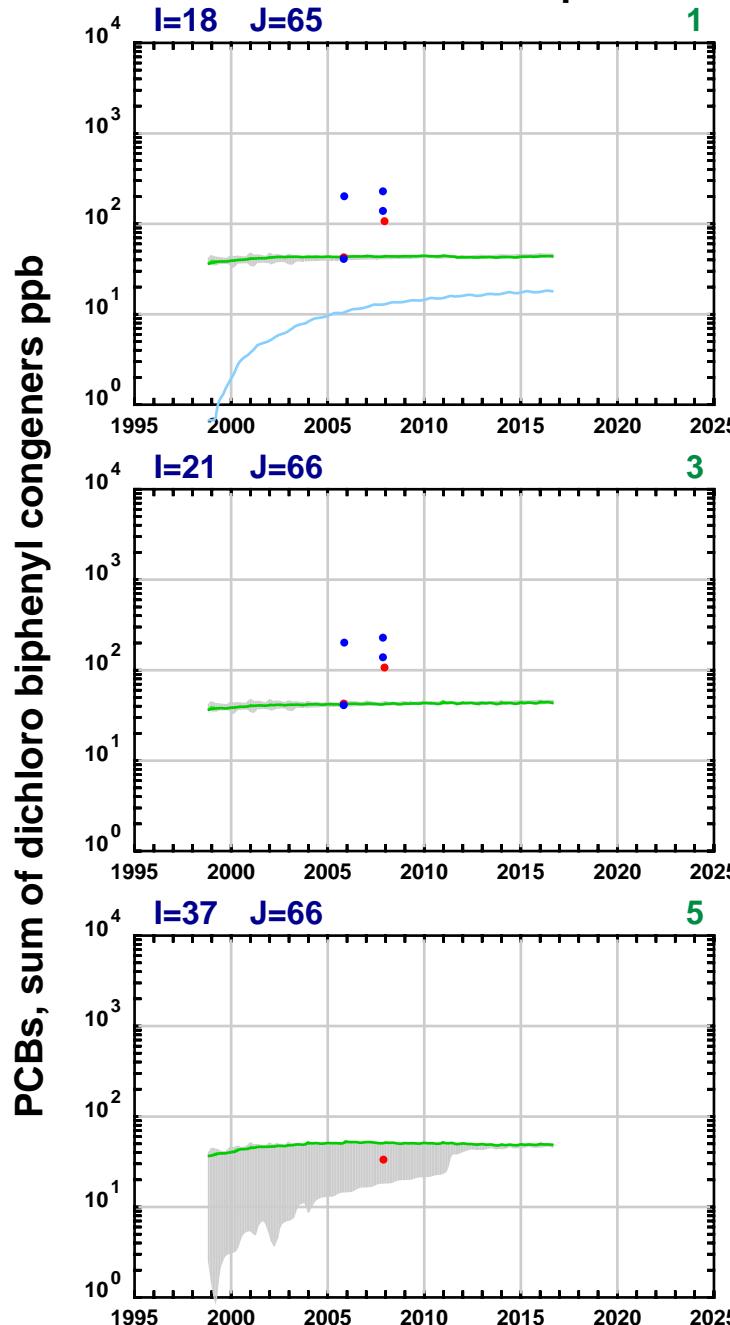


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



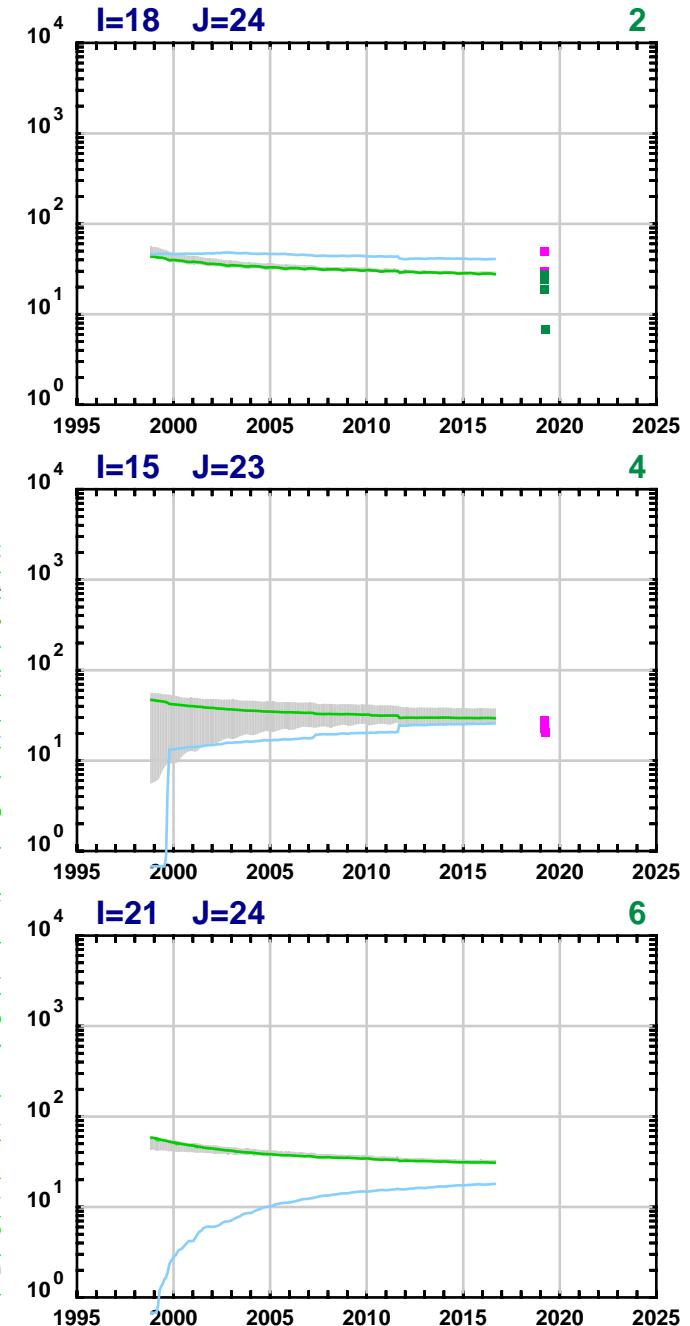
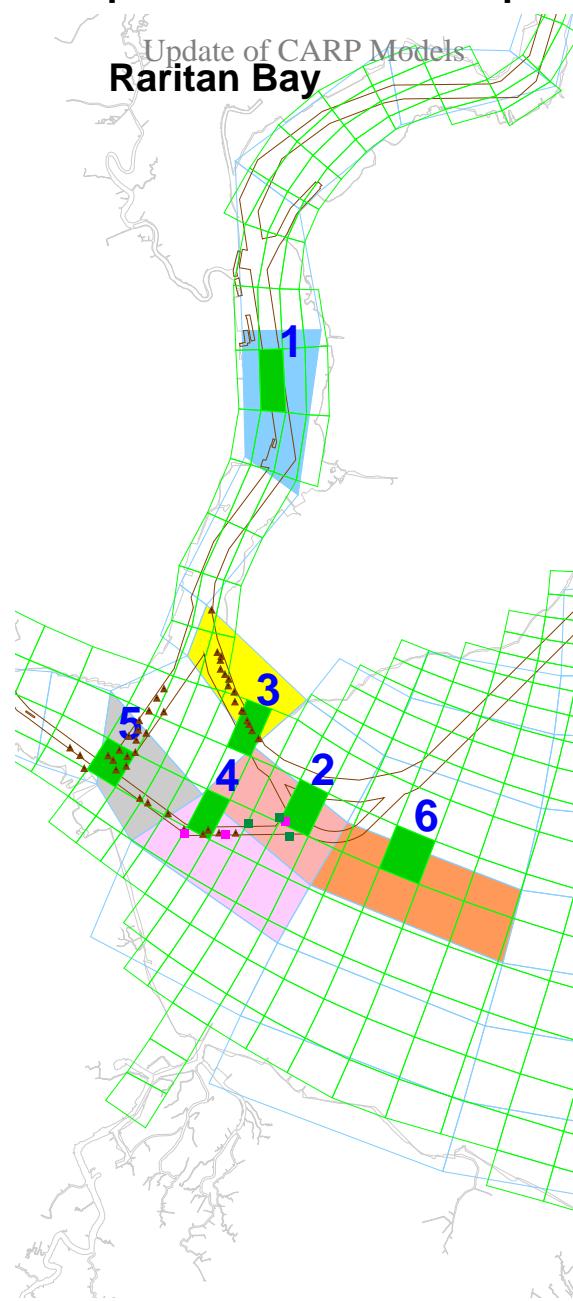
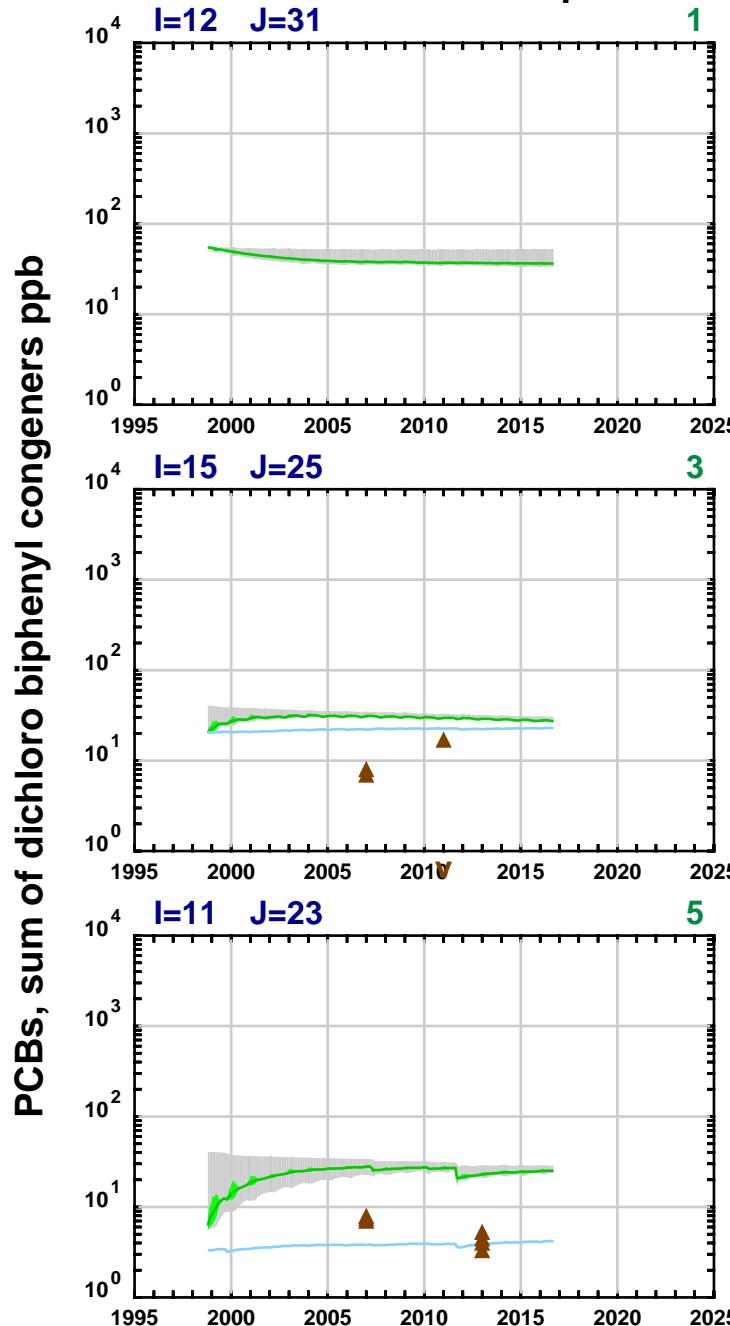
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

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- In-channel data
- Off-channel data
- CARP2 In-channel
- CARP2 Off-channel
- Dredge data

Top 15 cm data comparison with model top 10 cm sediment



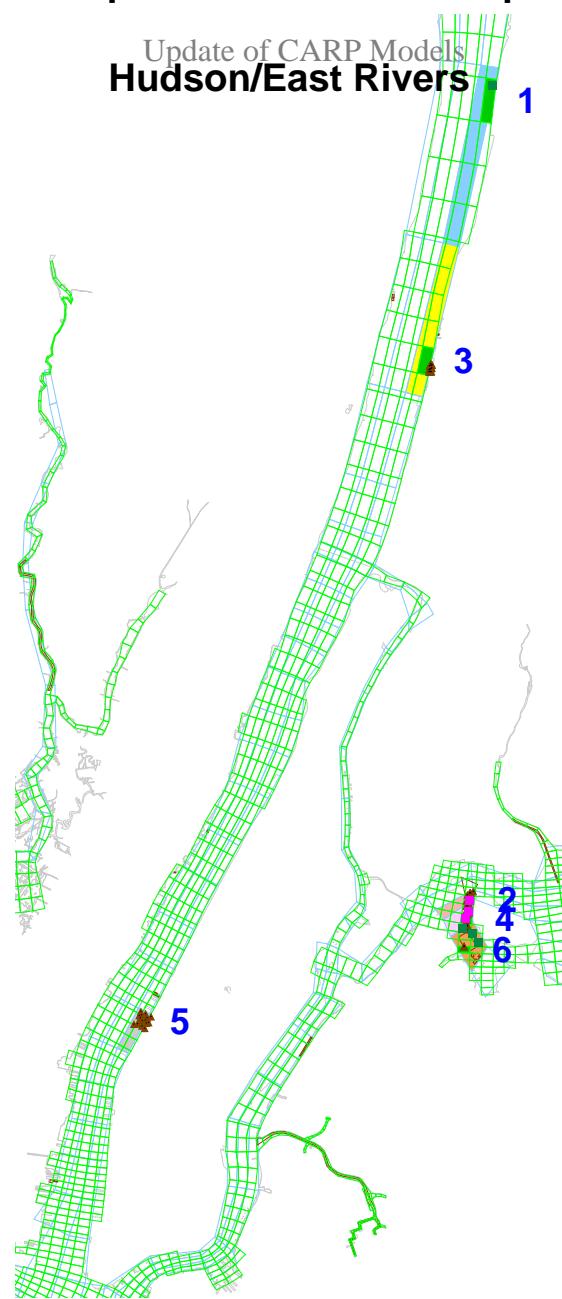
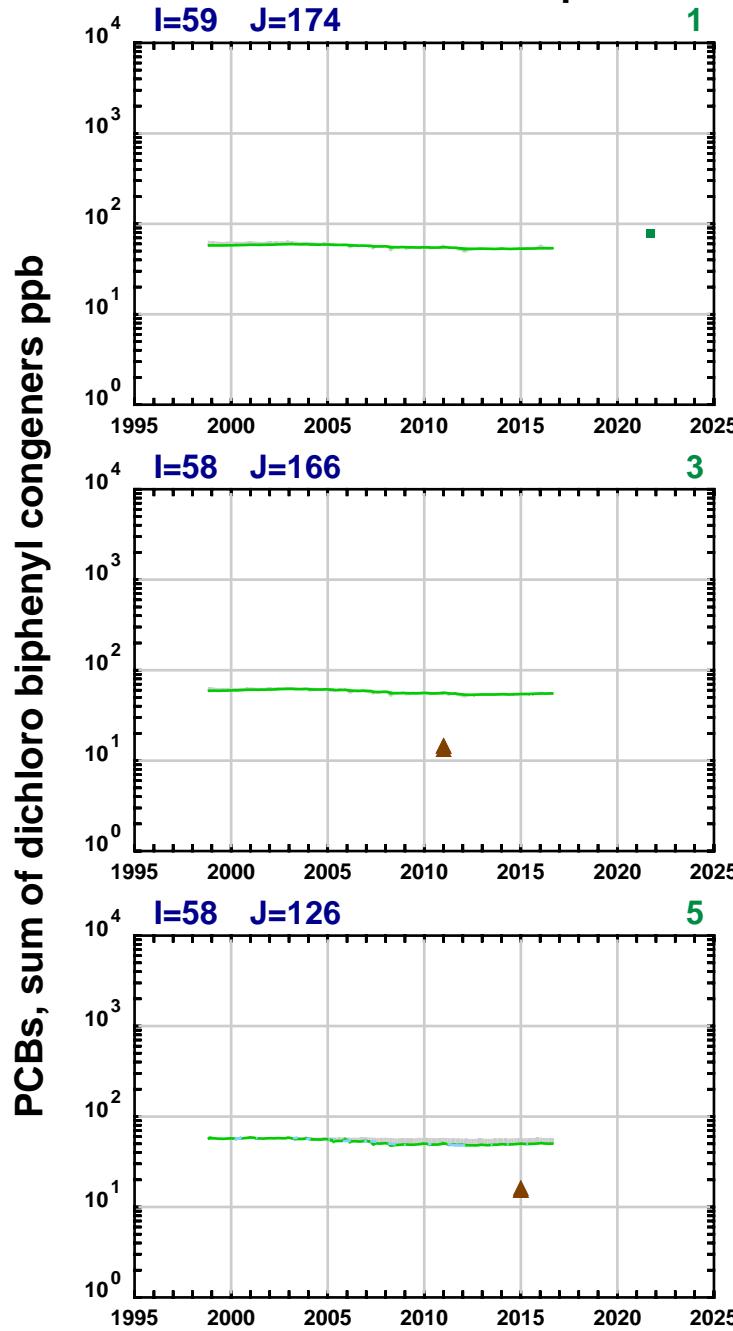
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

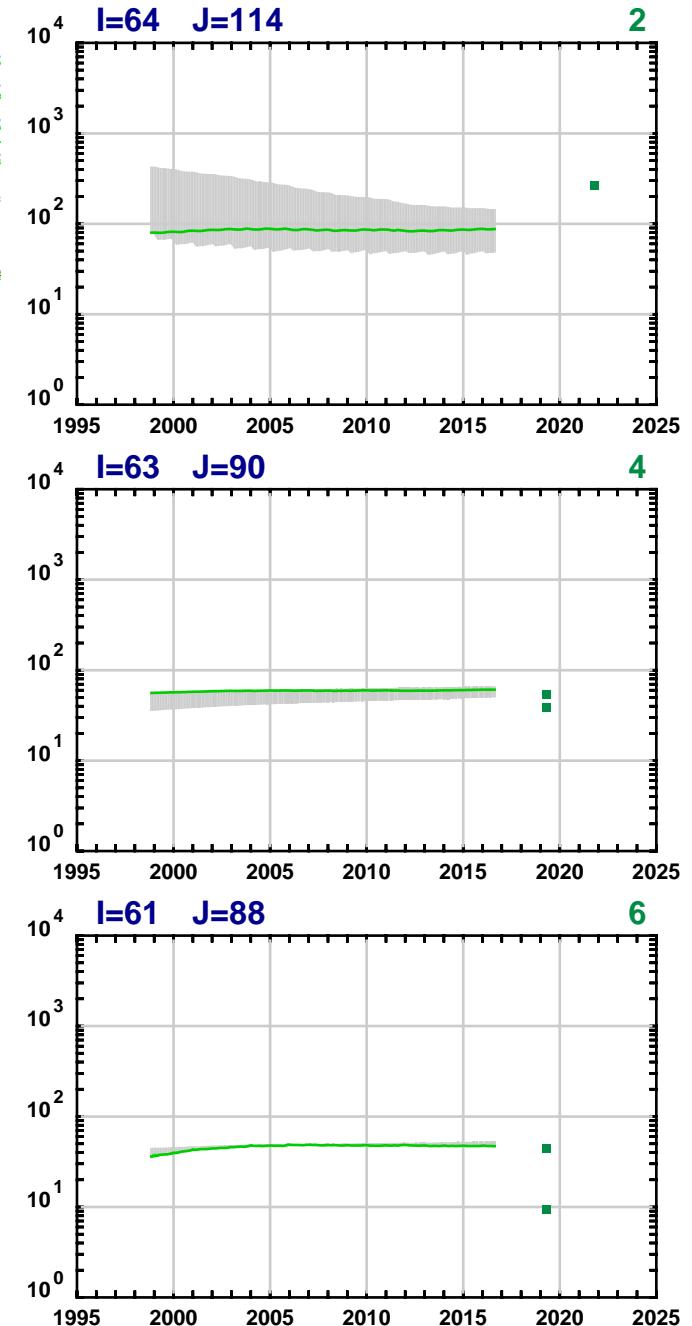
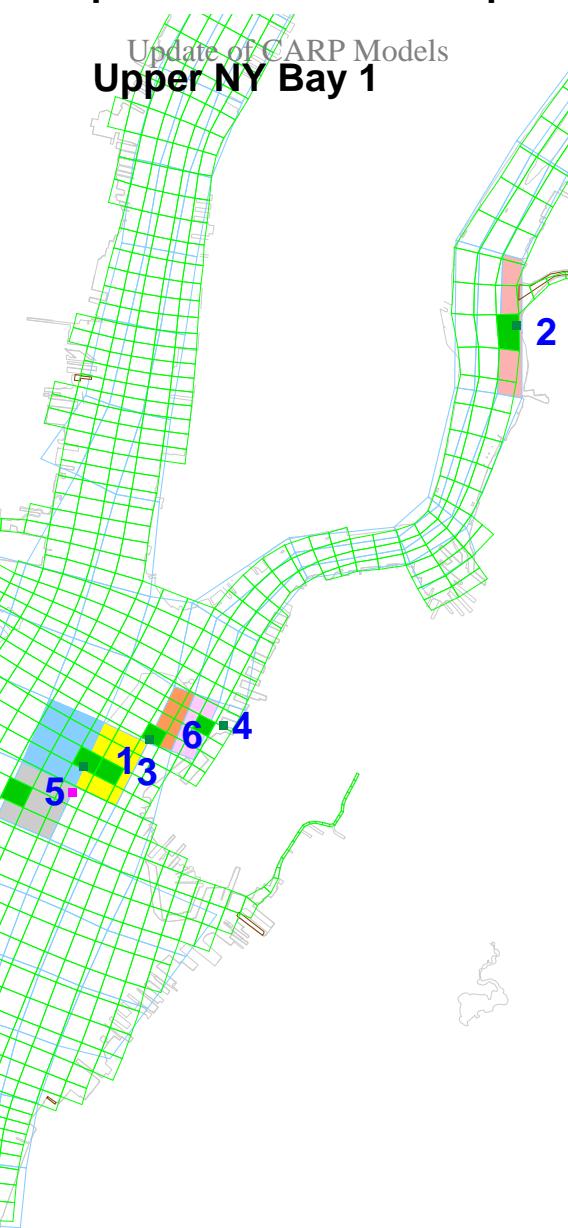
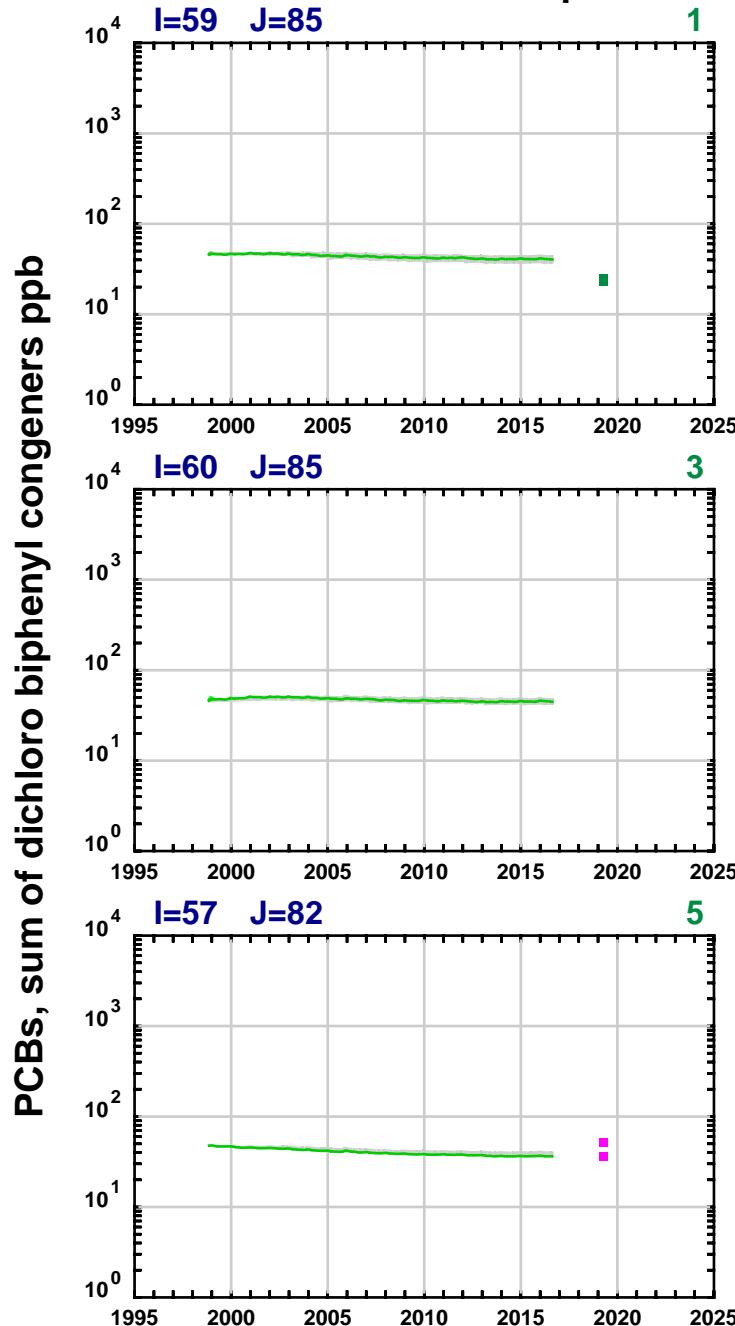


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



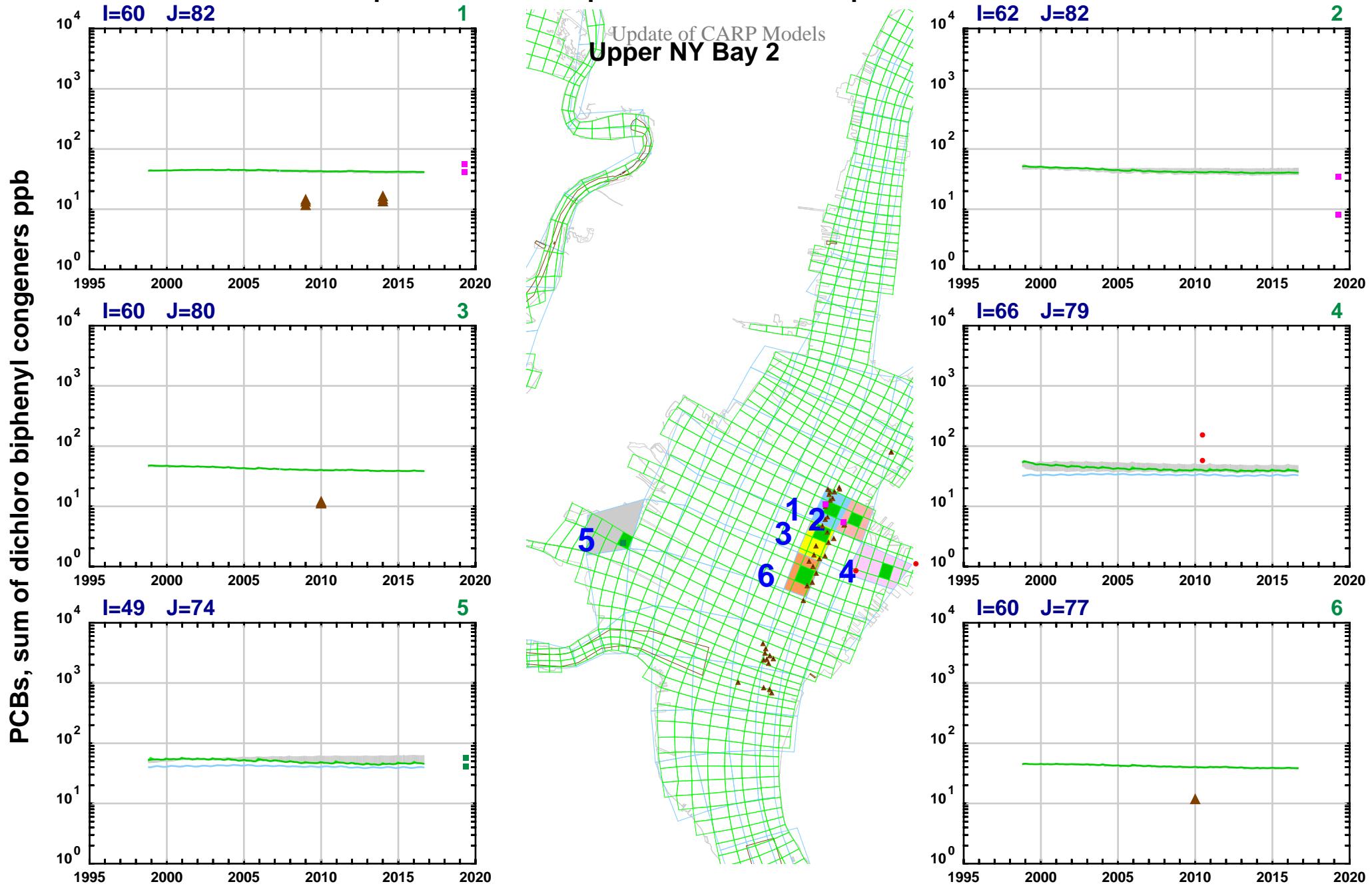
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



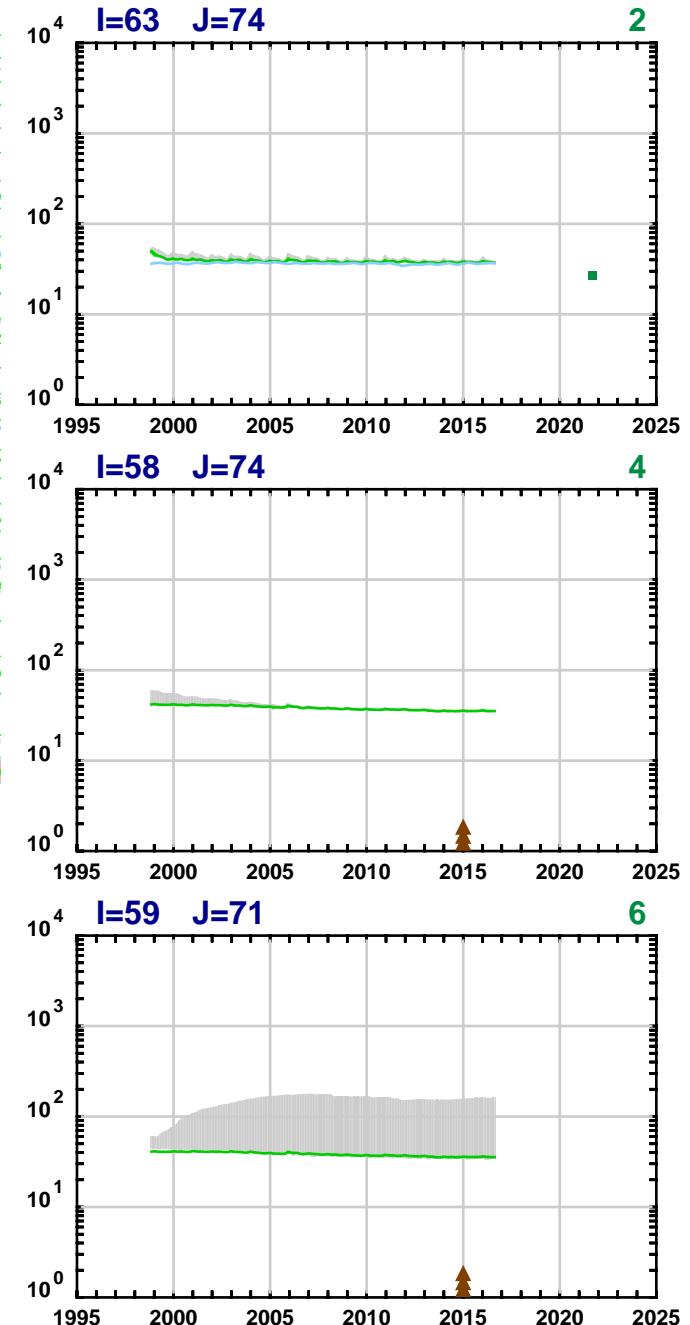
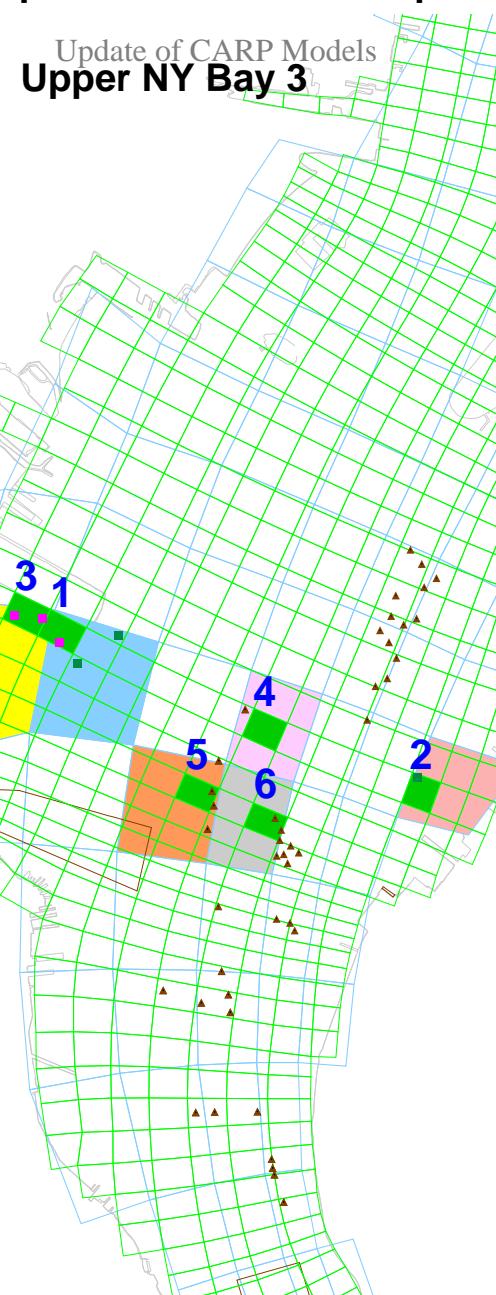
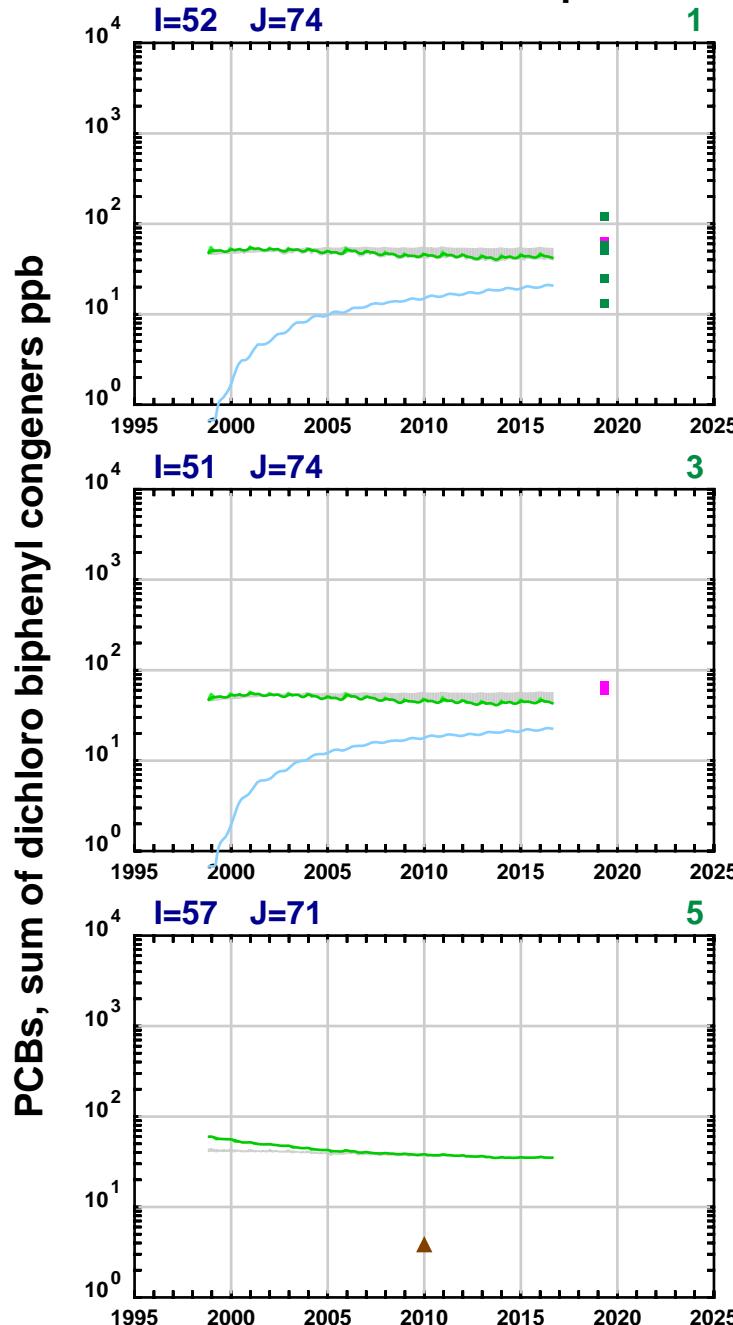
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



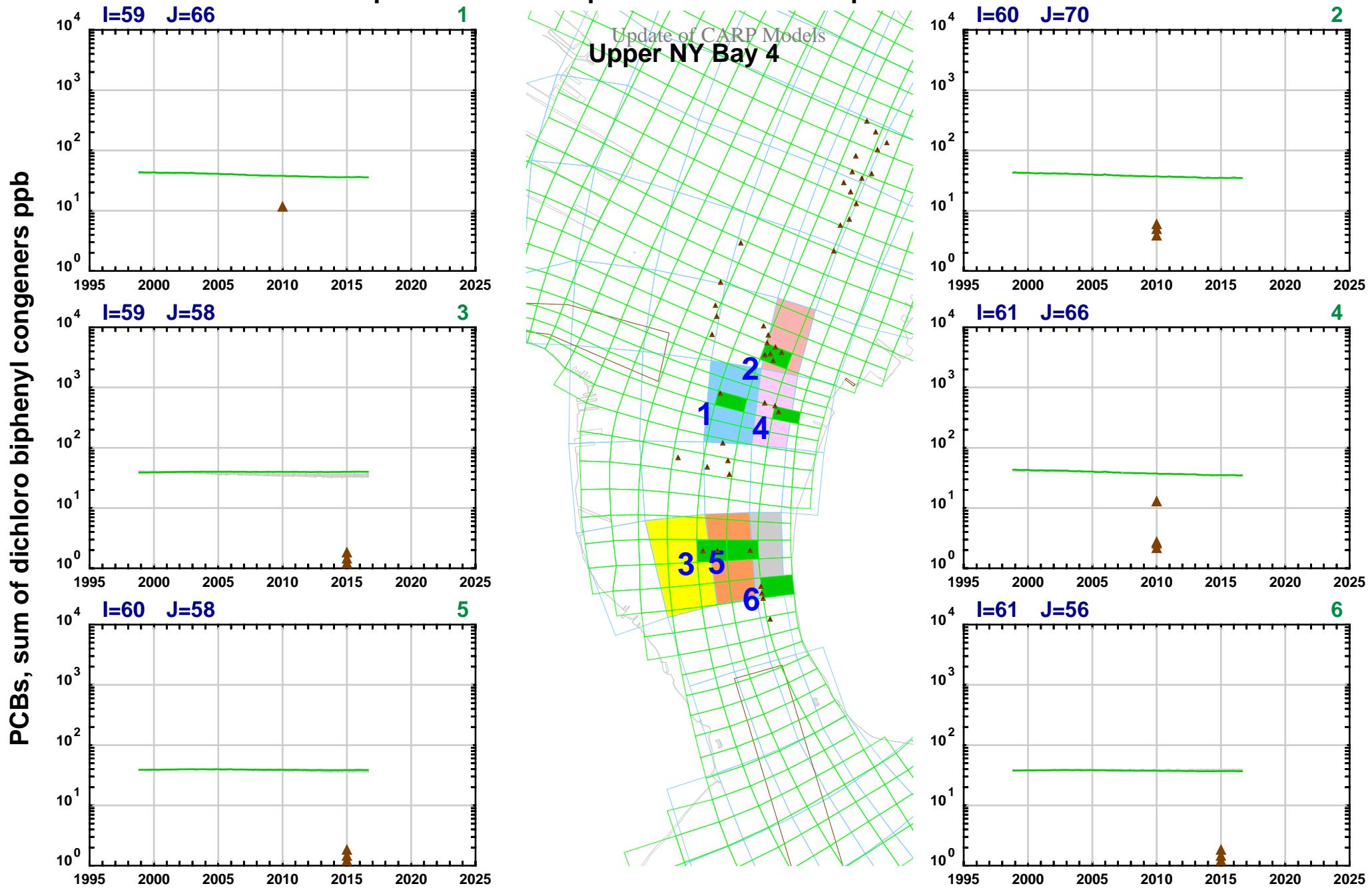
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



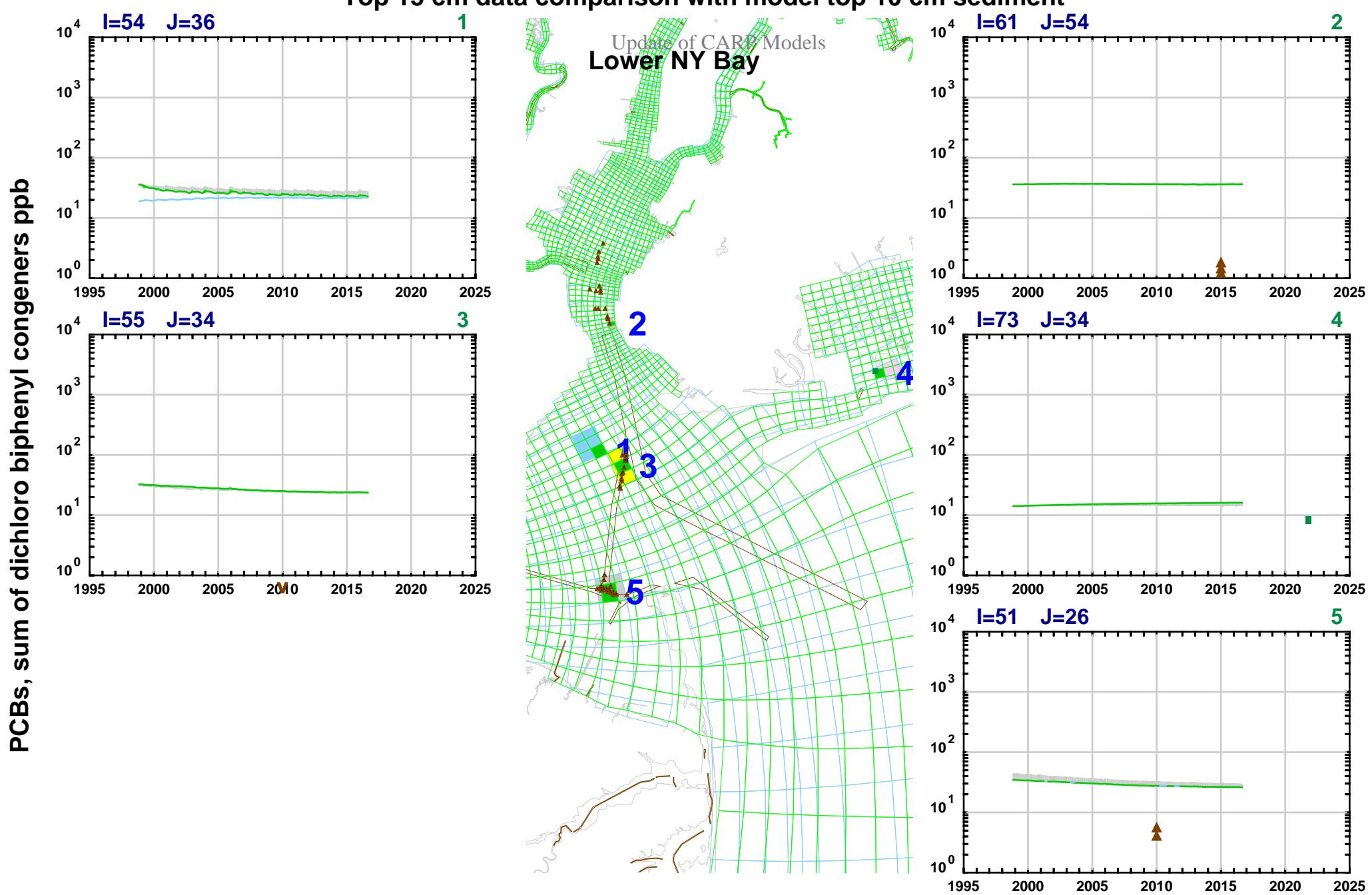
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



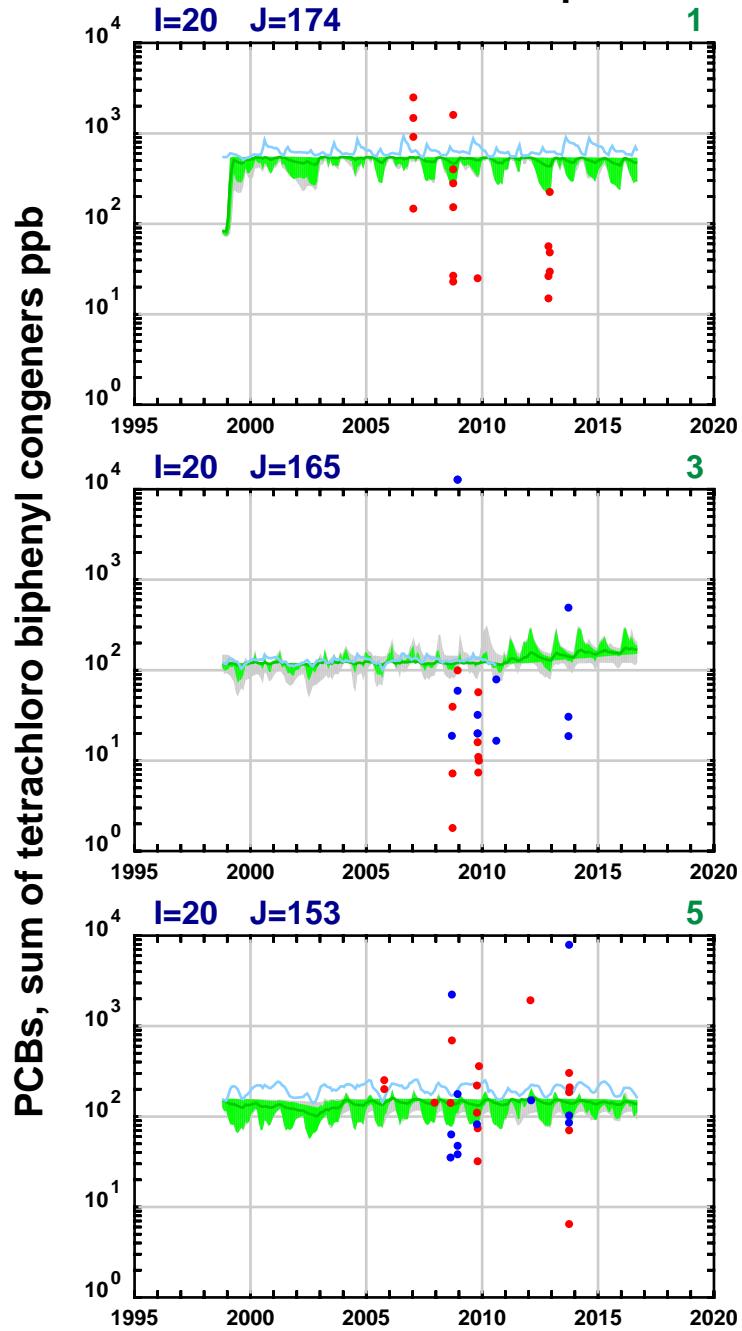
RUN18

Model: mean and range of values in top sediment

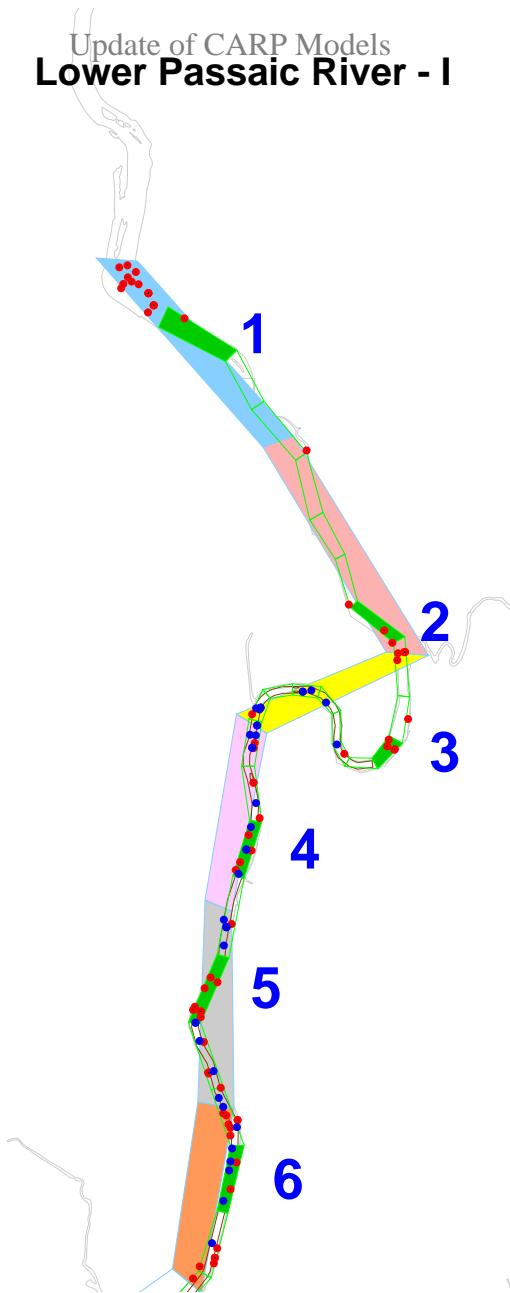
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I



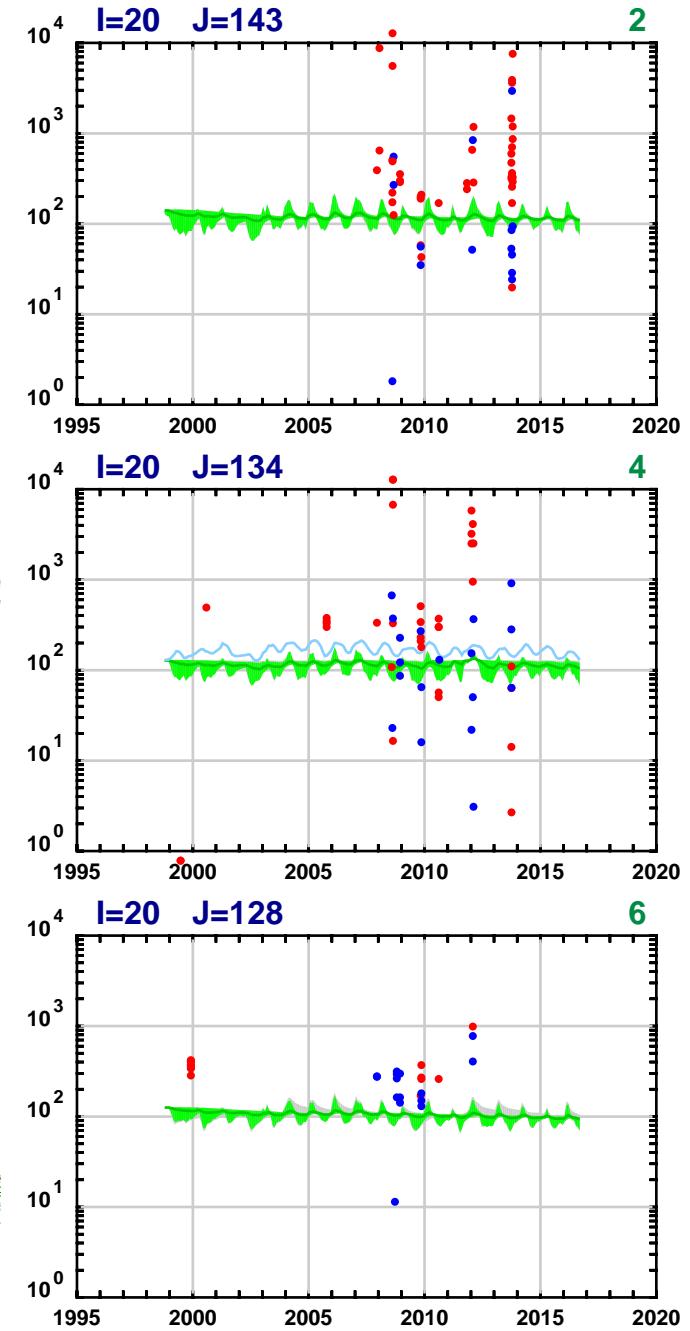
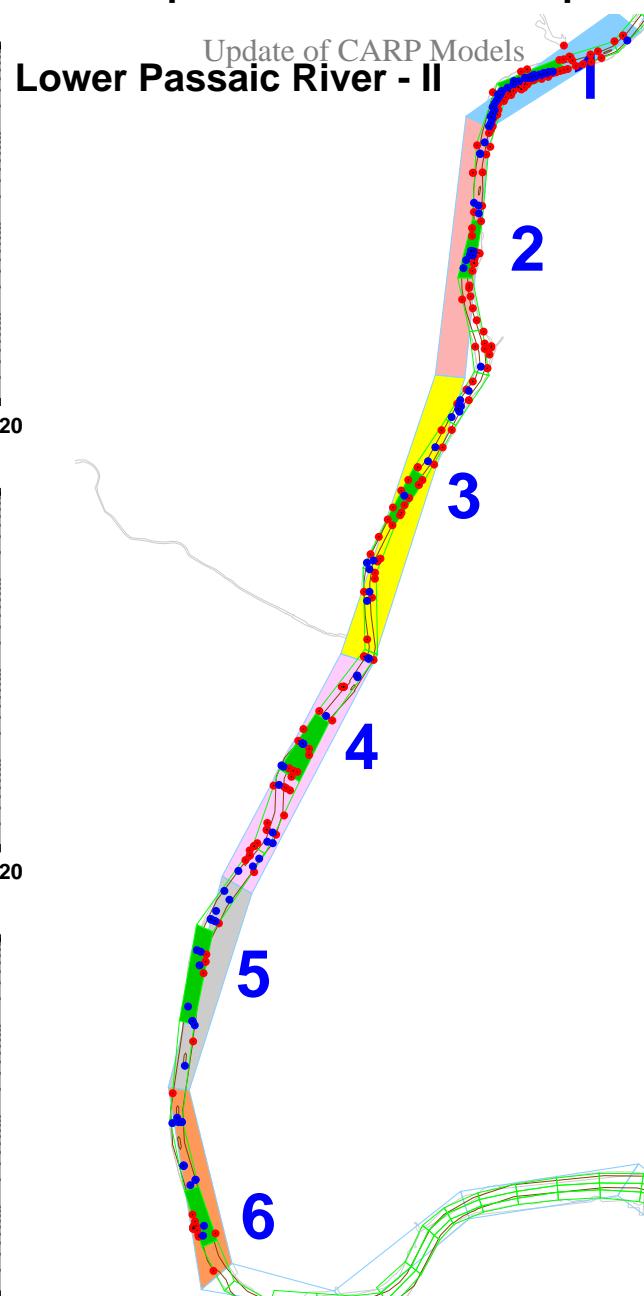
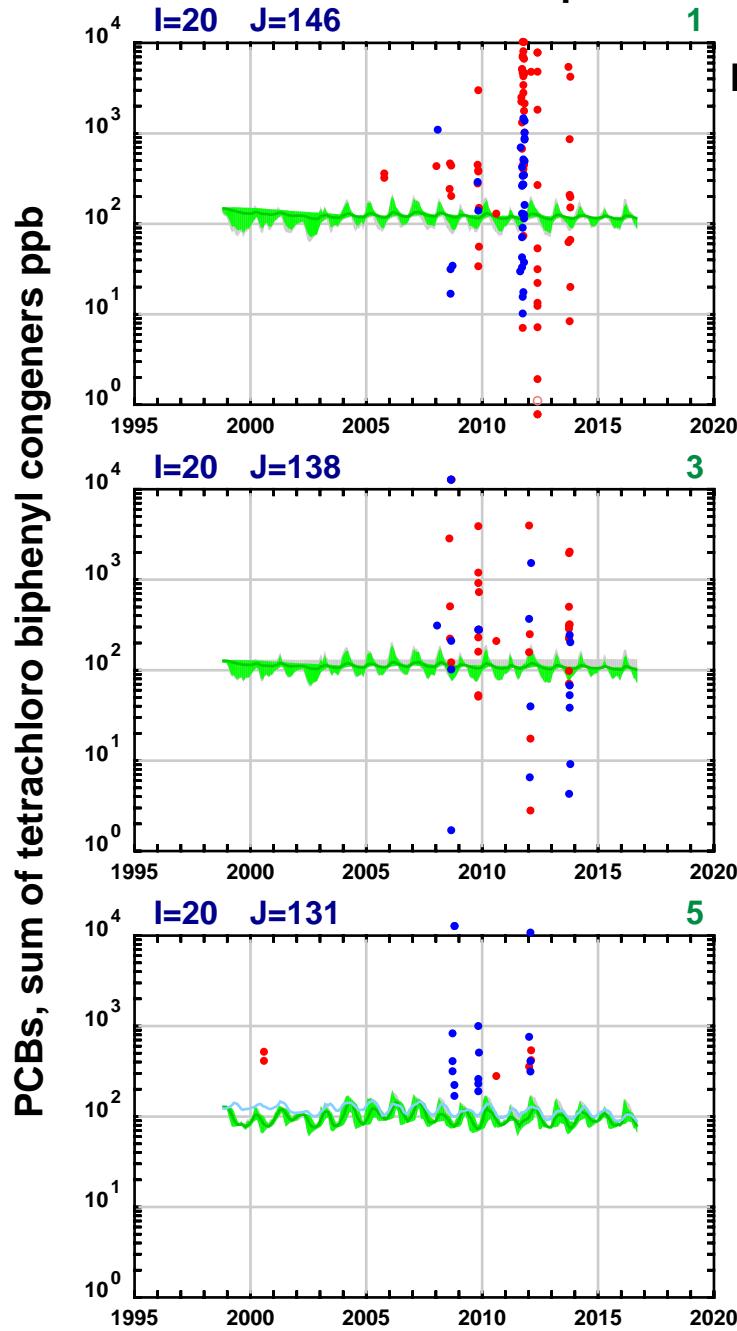
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



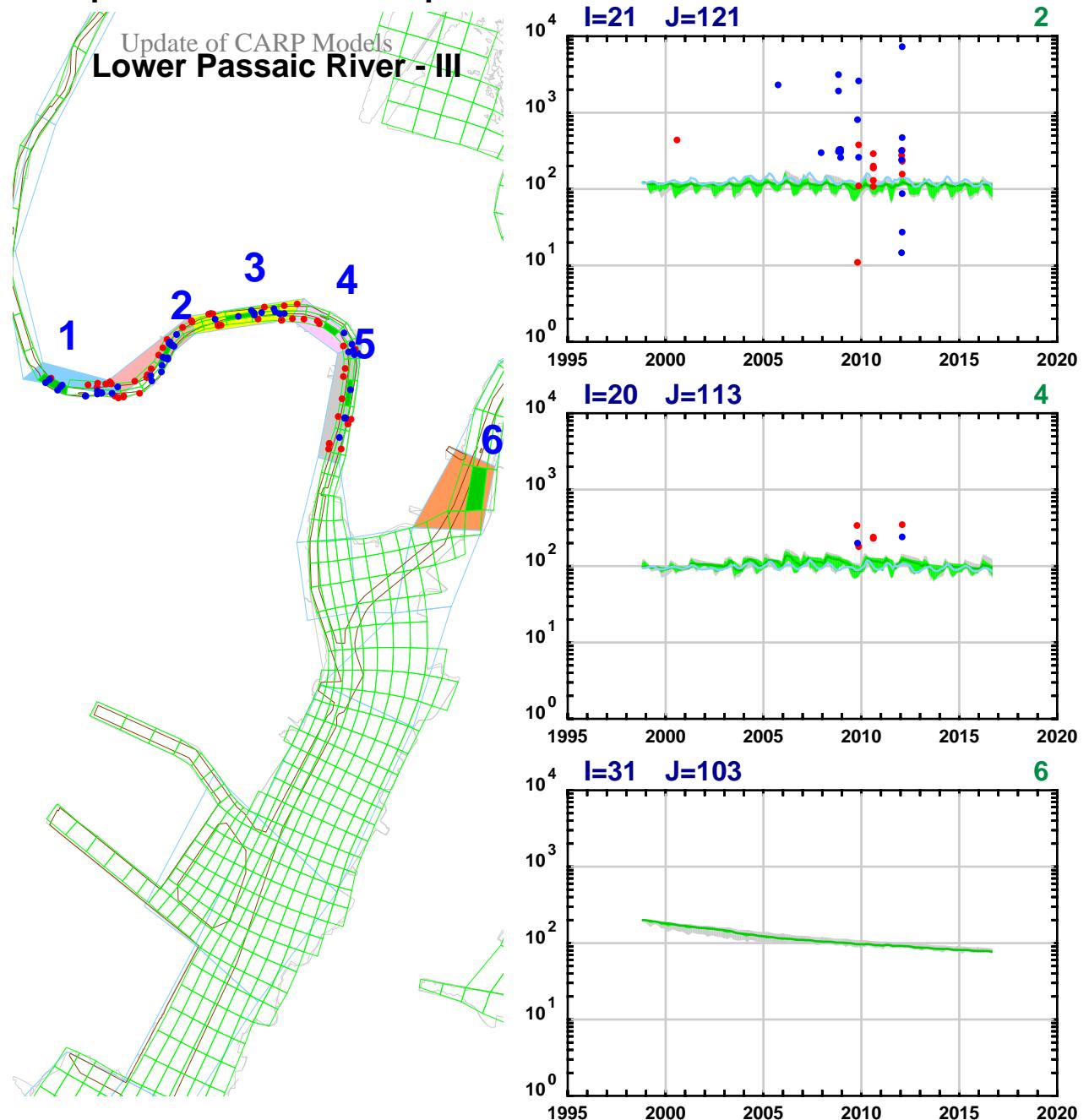
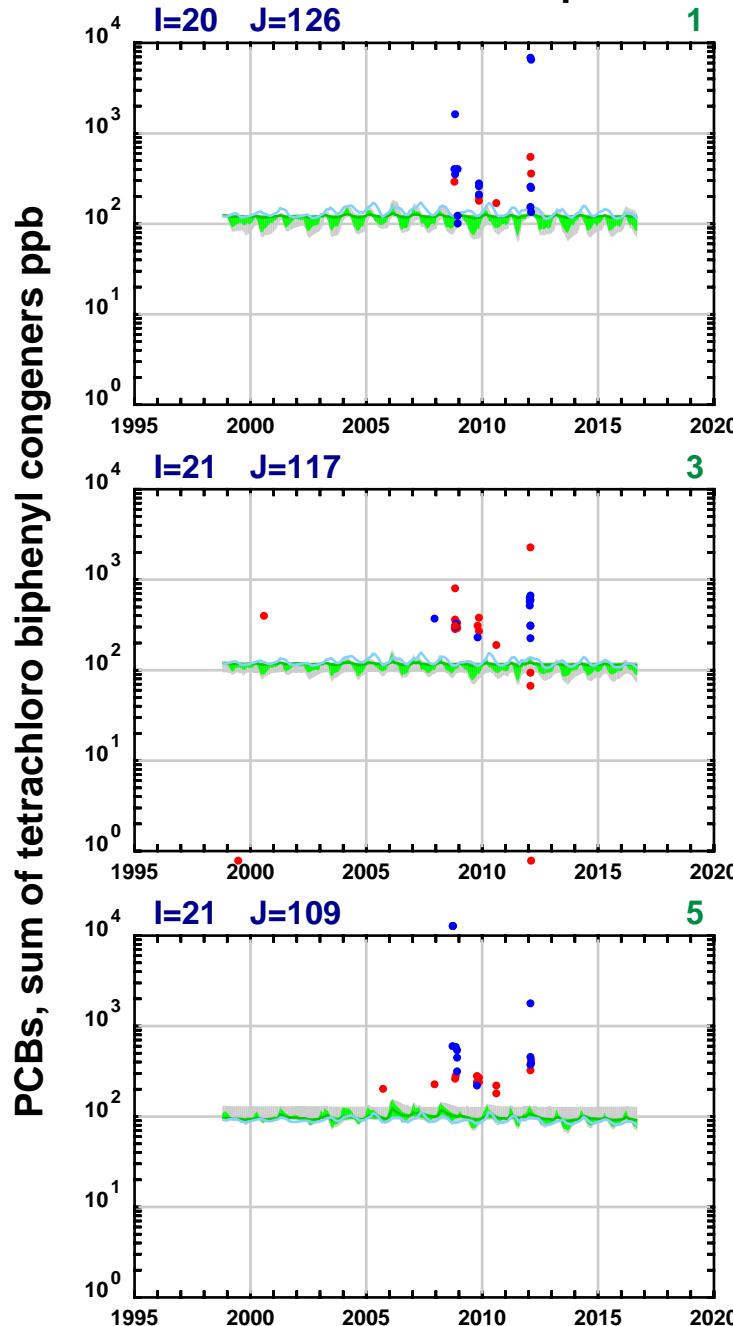
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



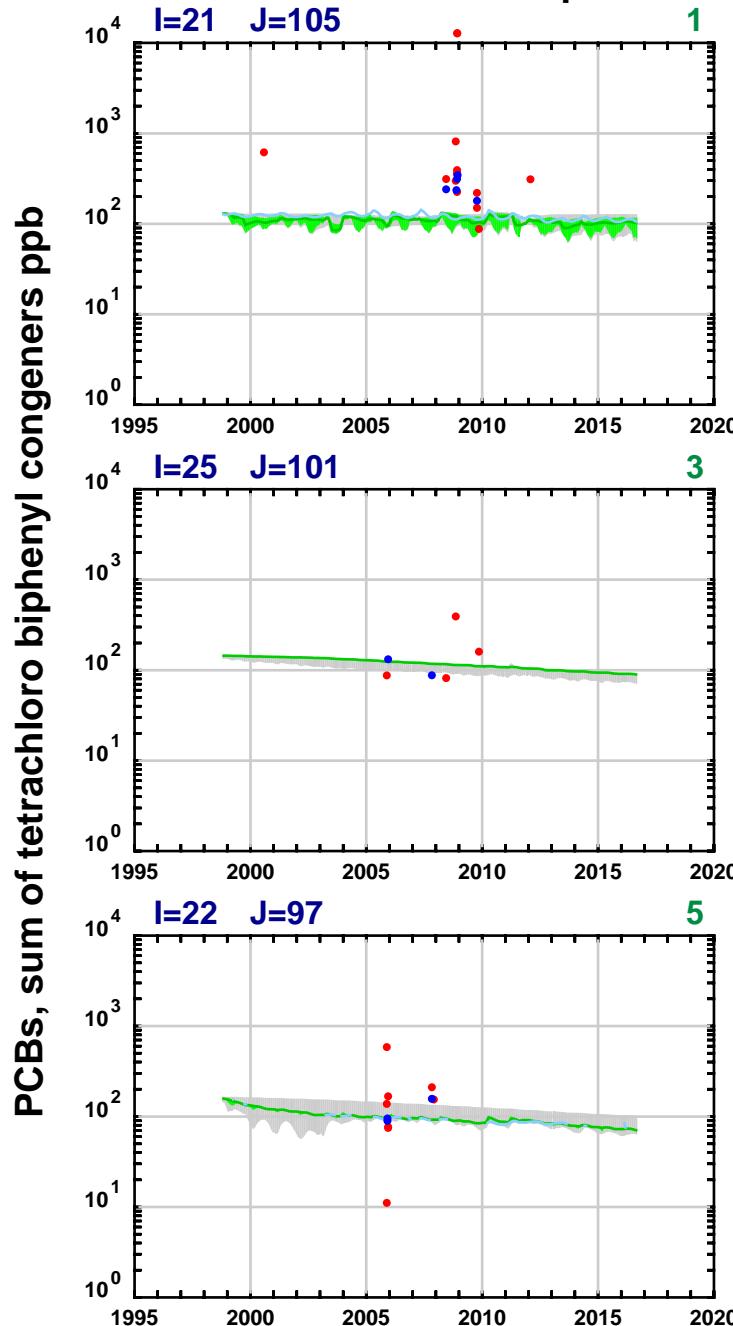
RUN18

Model: mean and range of values in top sediment

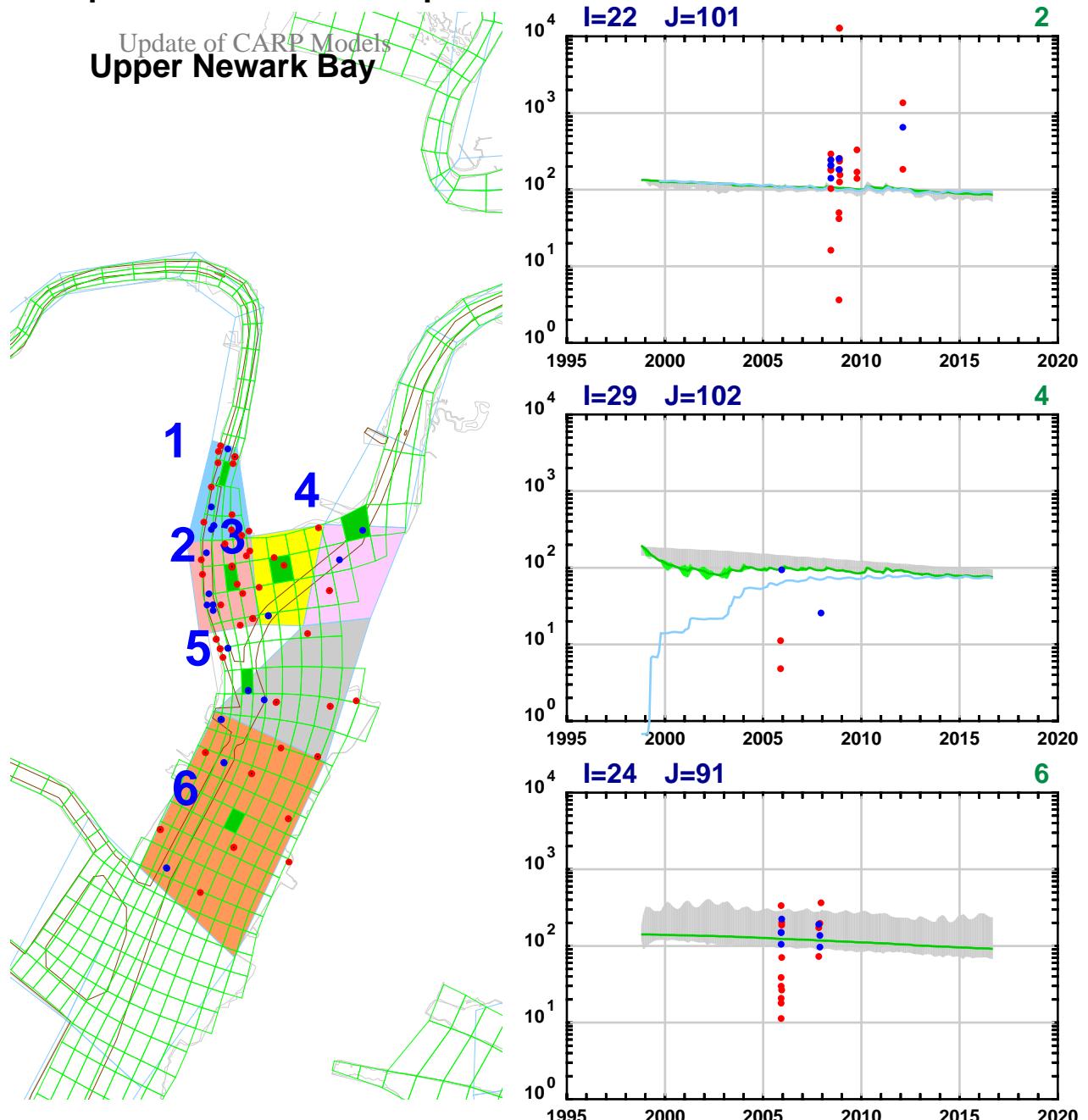
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Upper Newark Bay

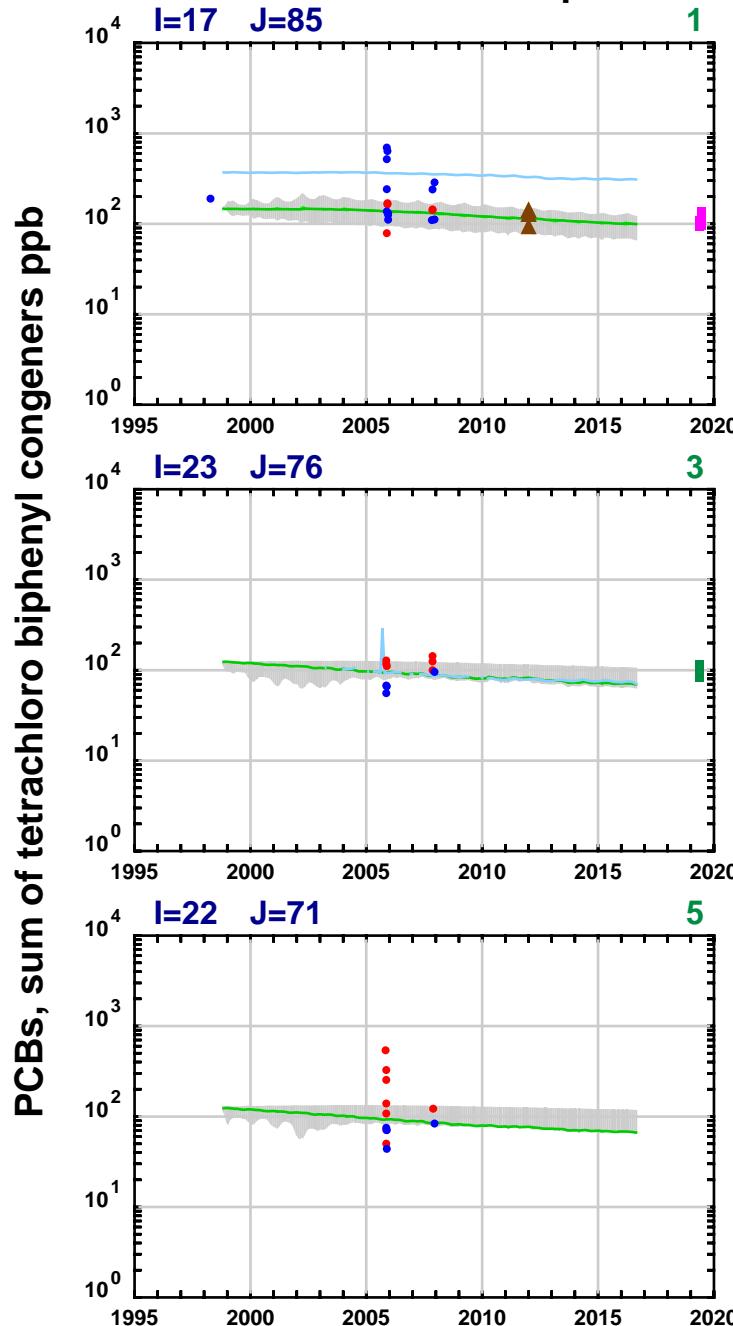


RUN18

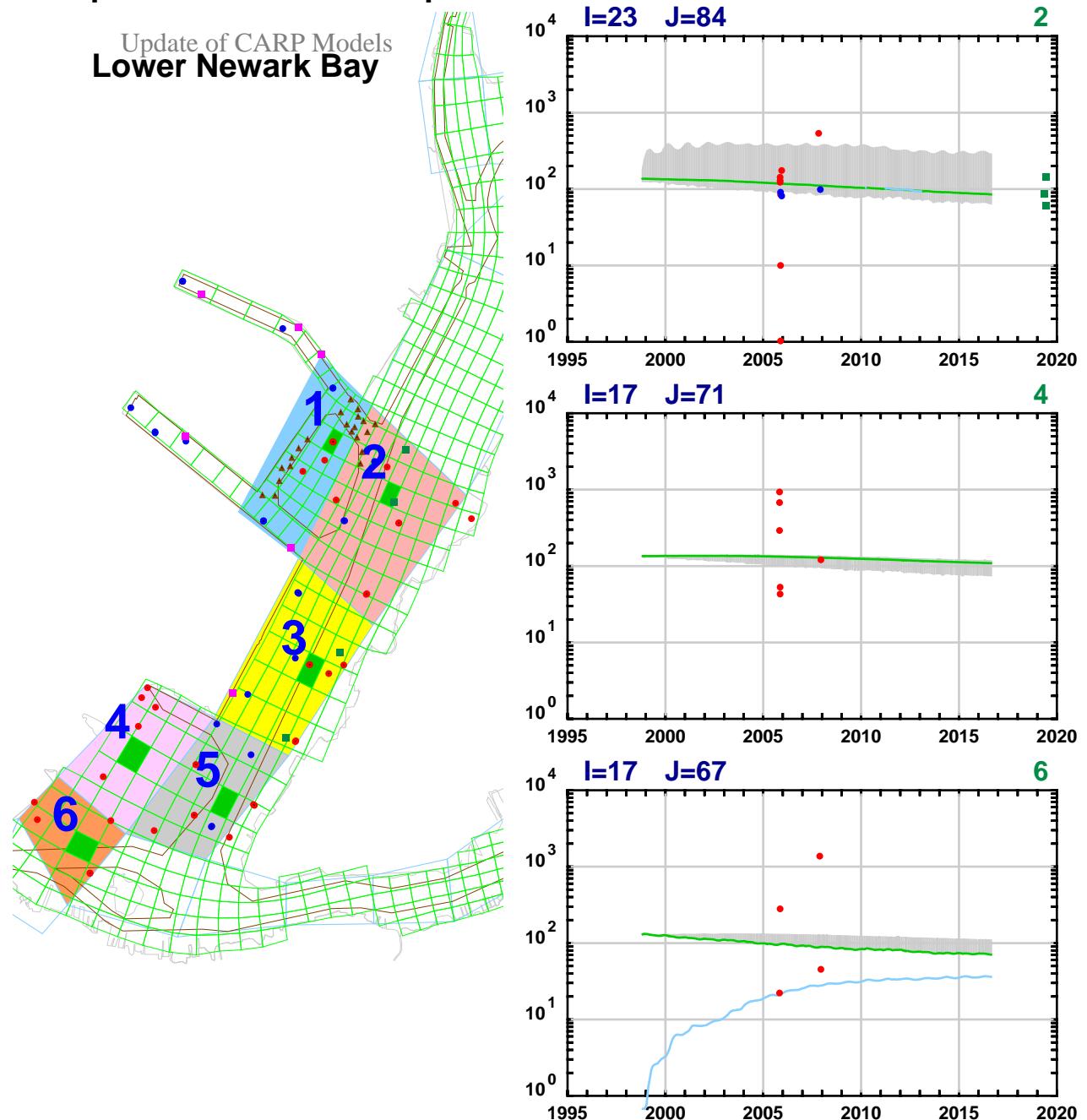
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay



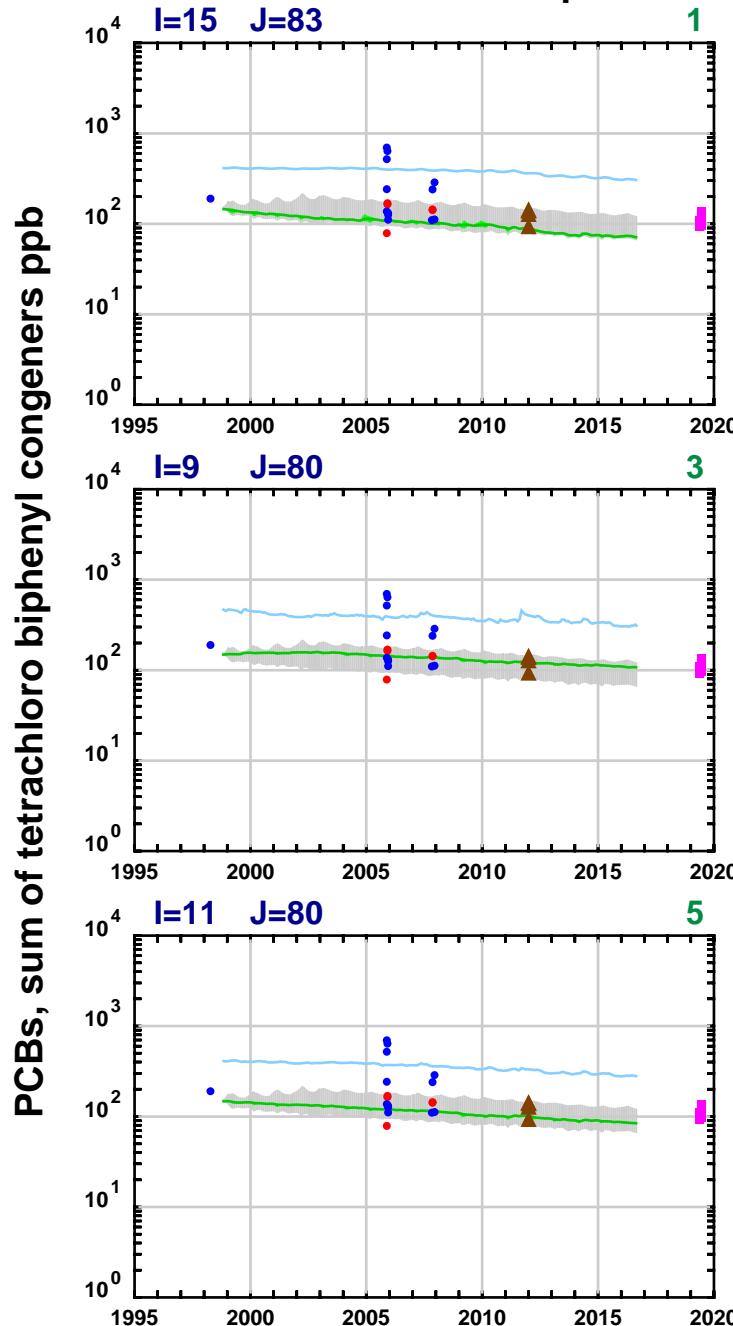
RUN18

Model: mean and range of values in top sediment

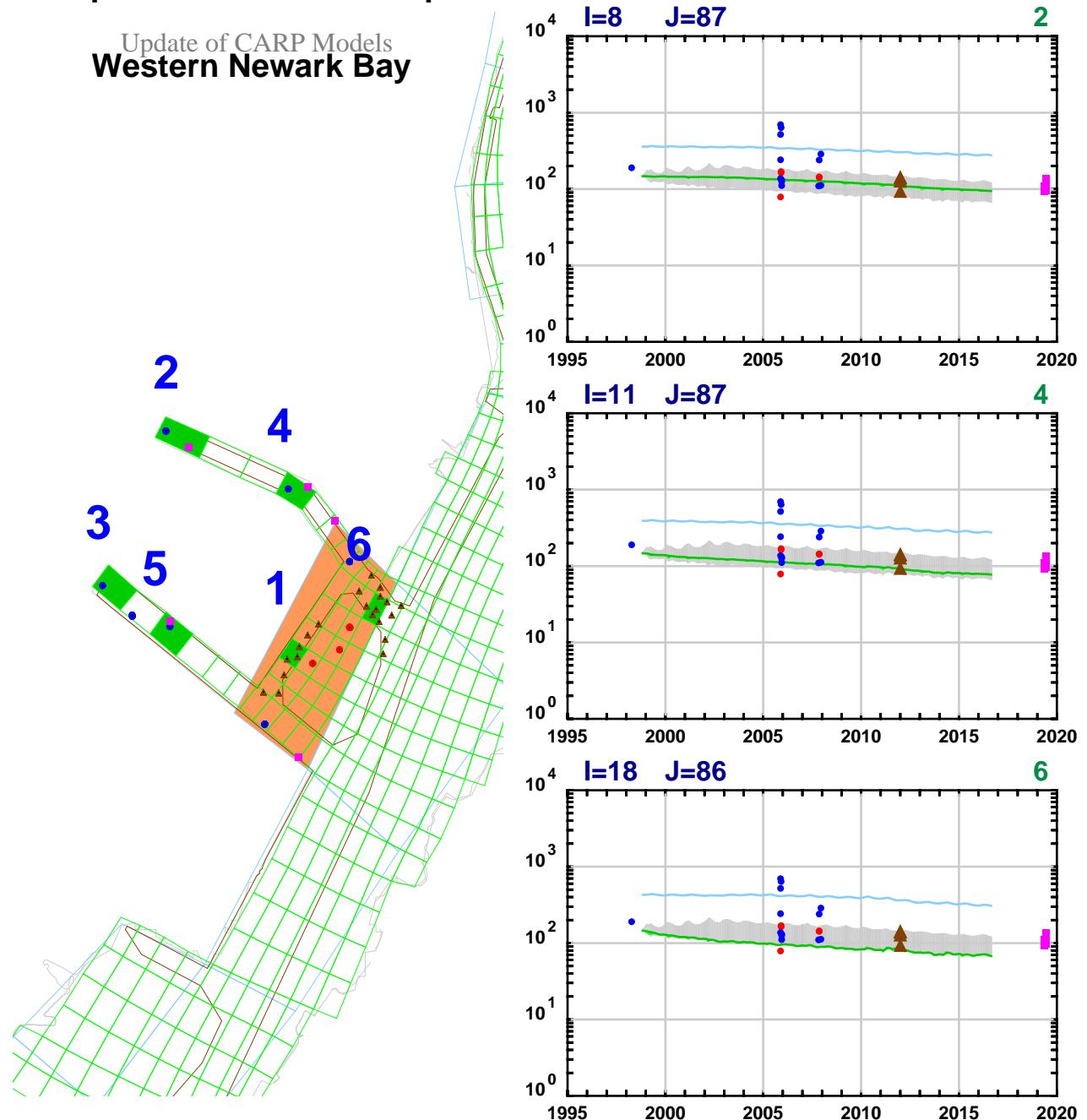
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay



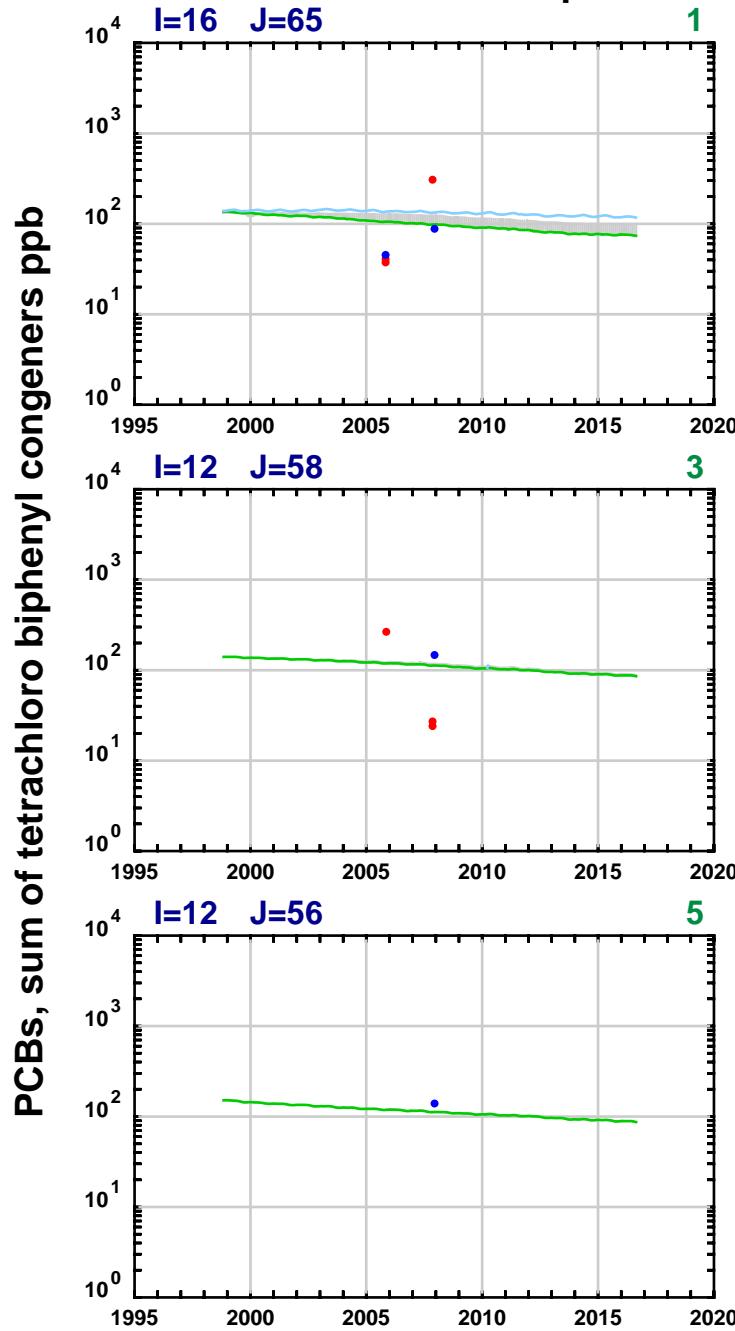
RUN18

Model: mean and range of values in top sediment

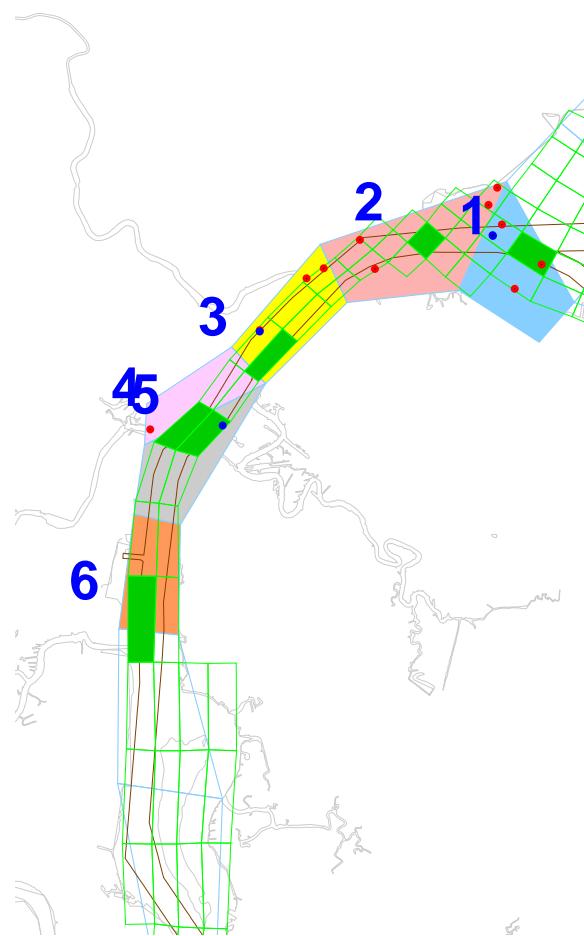
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1

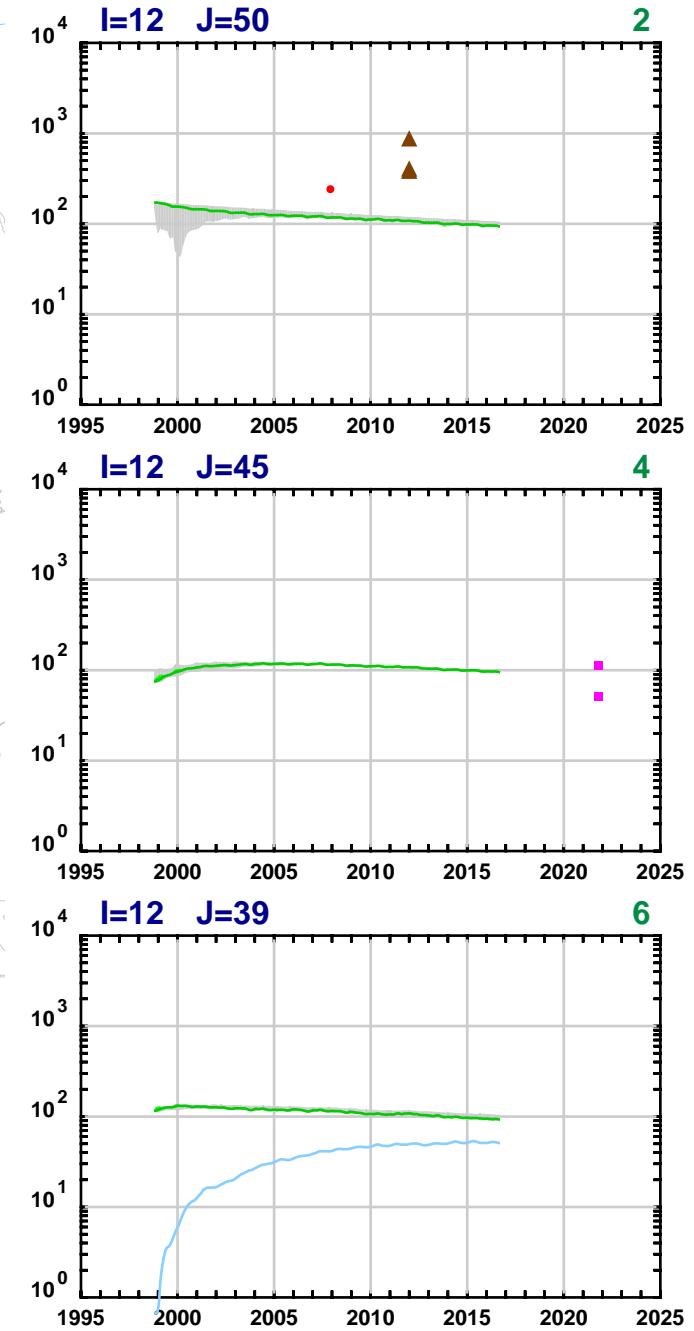
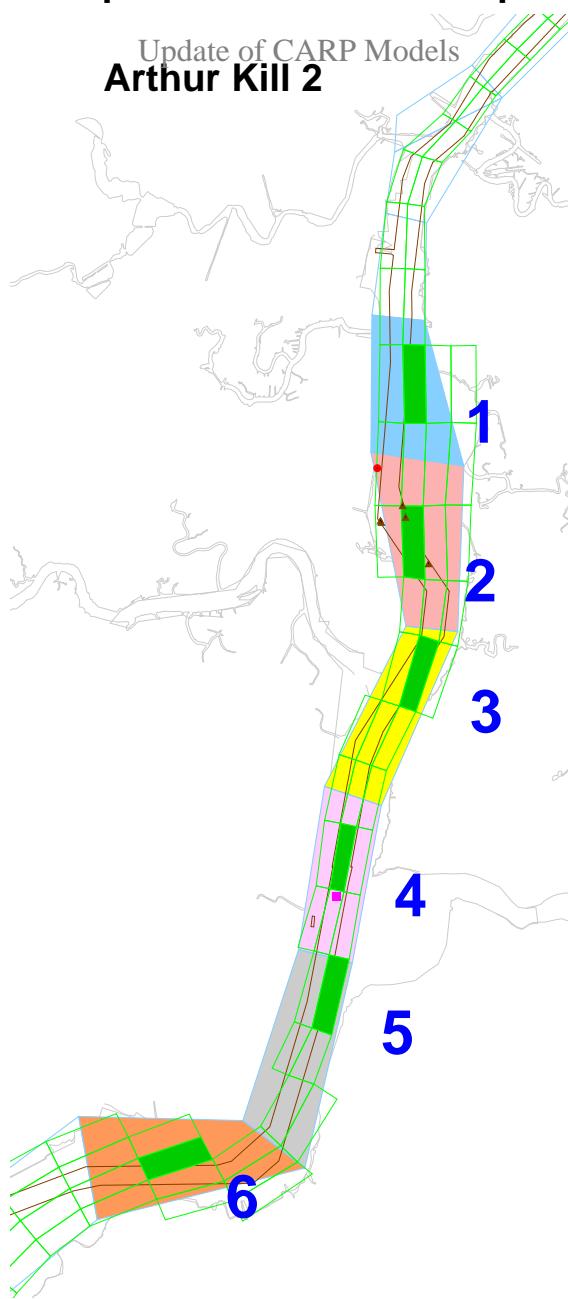
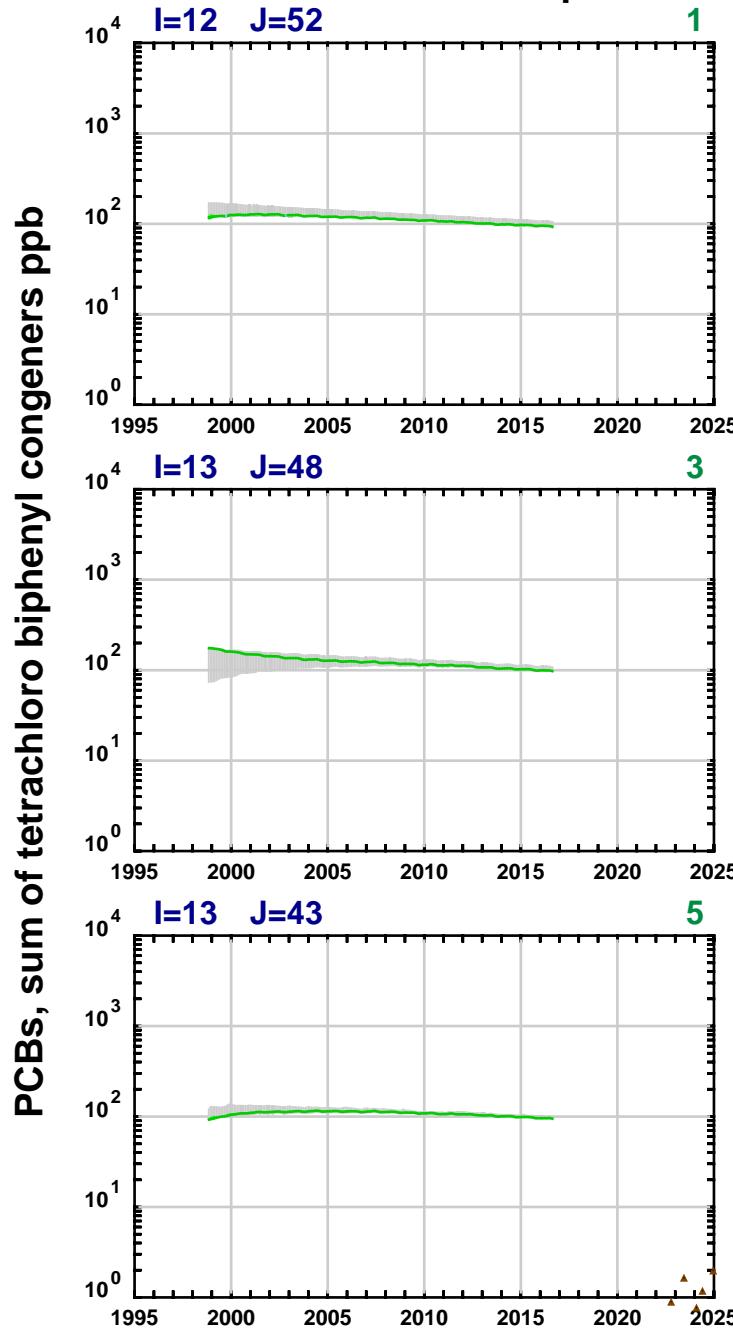


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

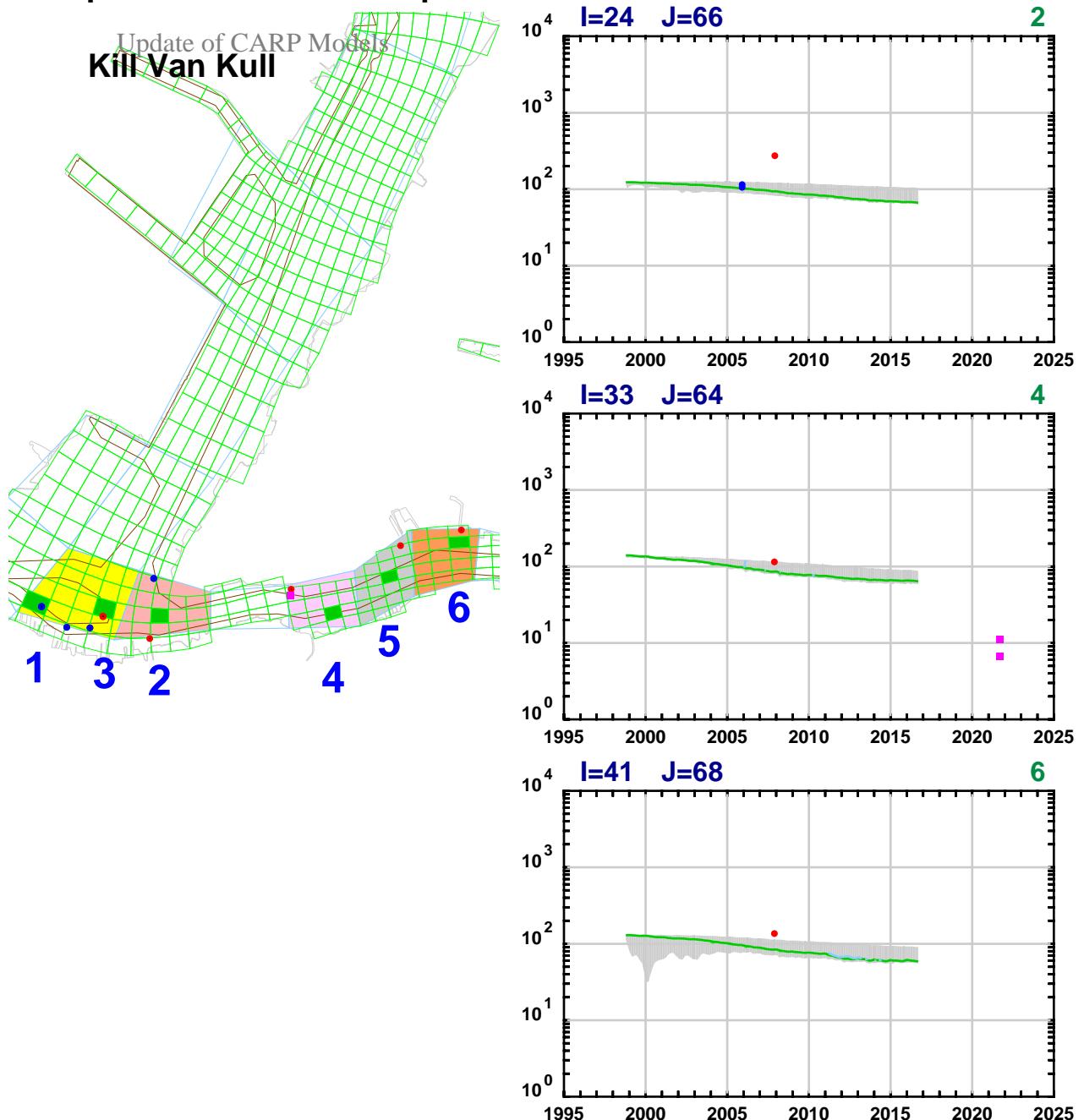
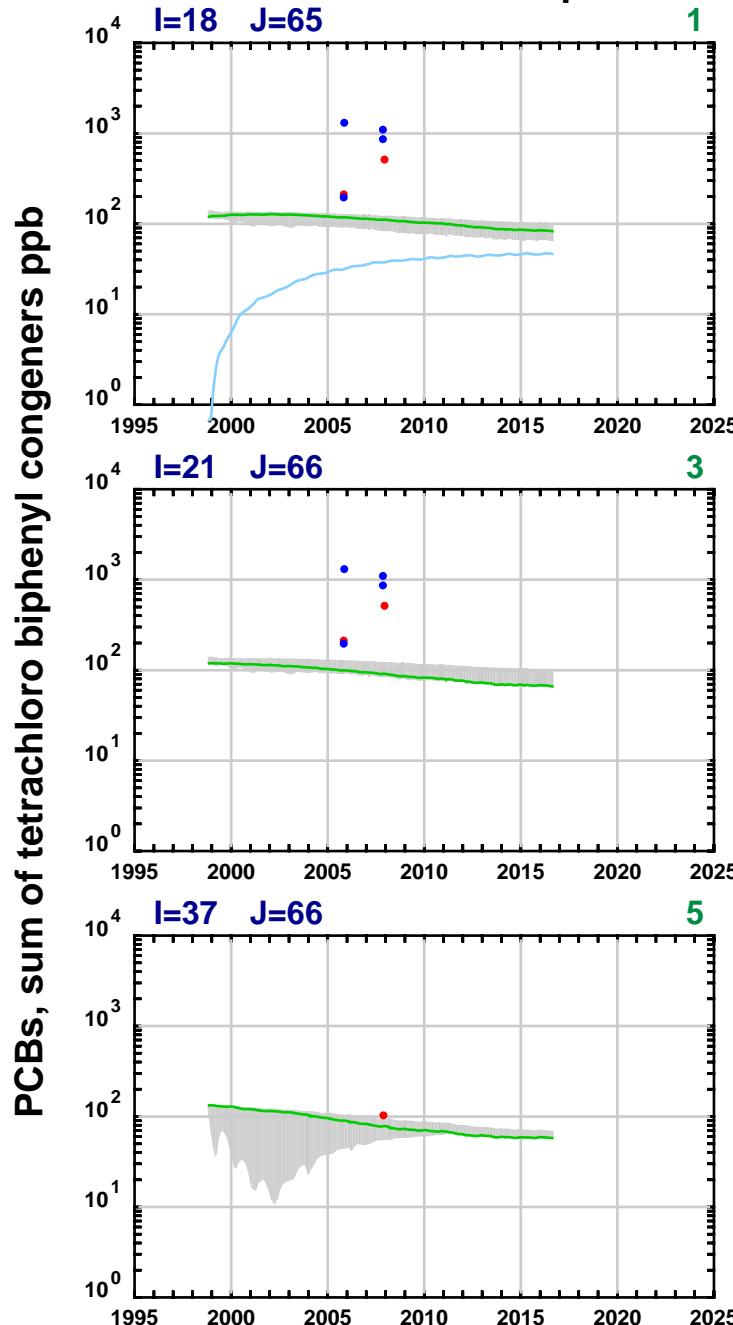


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



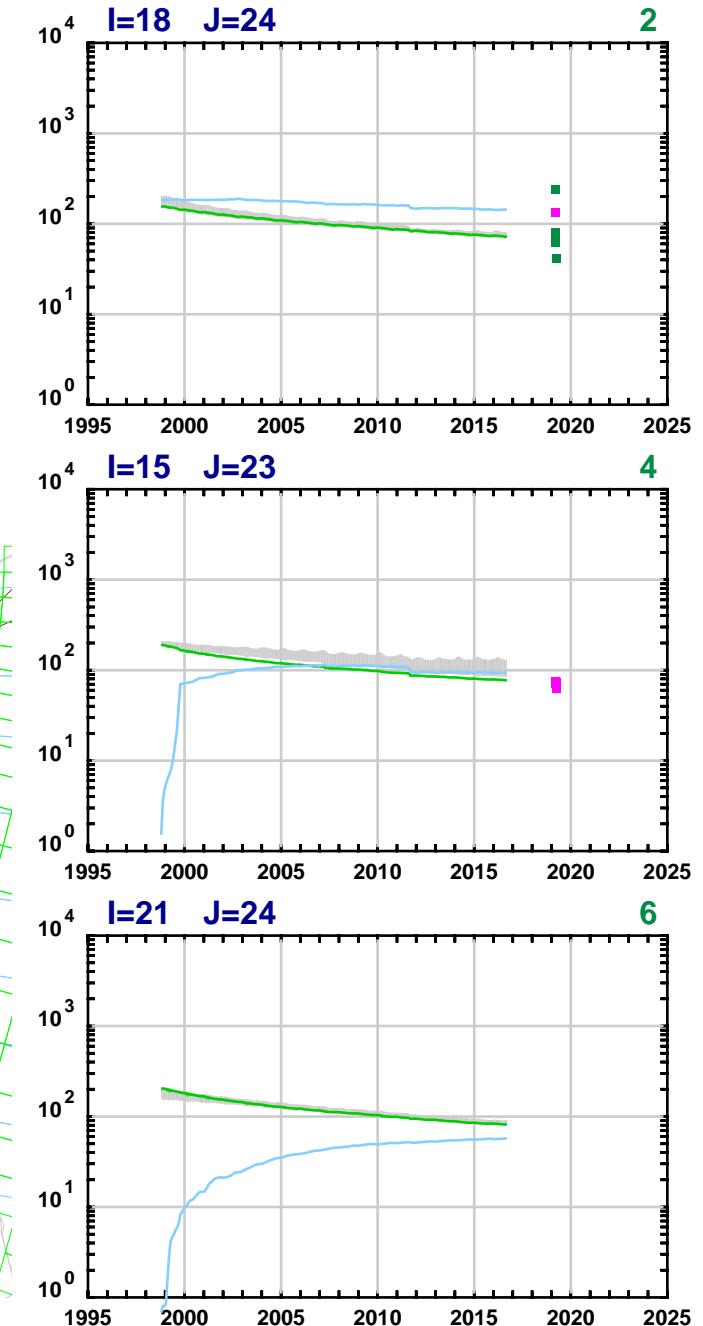
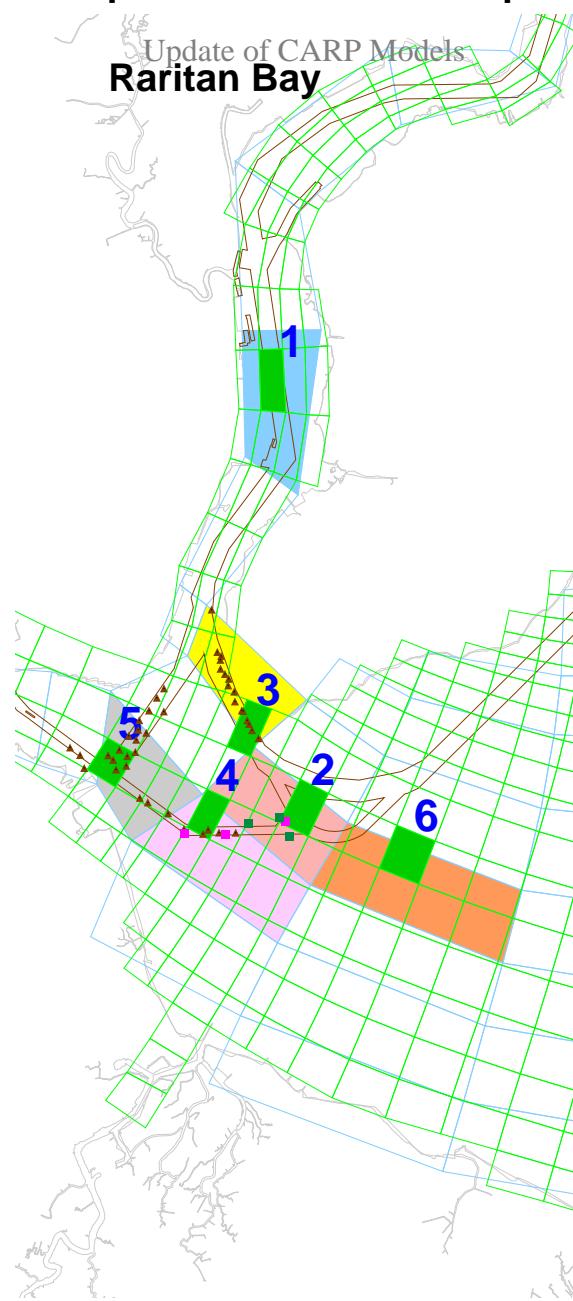
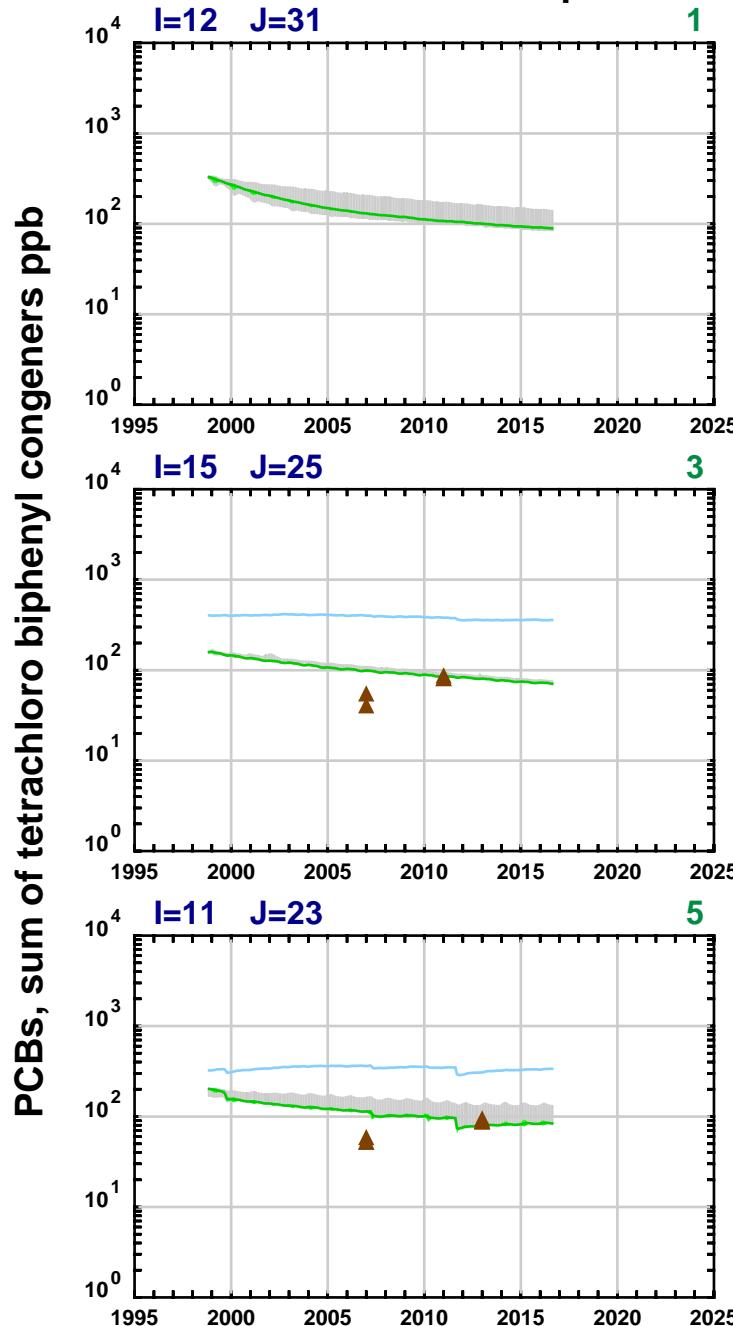
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

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- In-channel data
- Off-channel data
- CARP2 In-channel
- CARP2 Off-channel
- Dredge data

Top 15 cm data comparison with model top 10 cm sediment



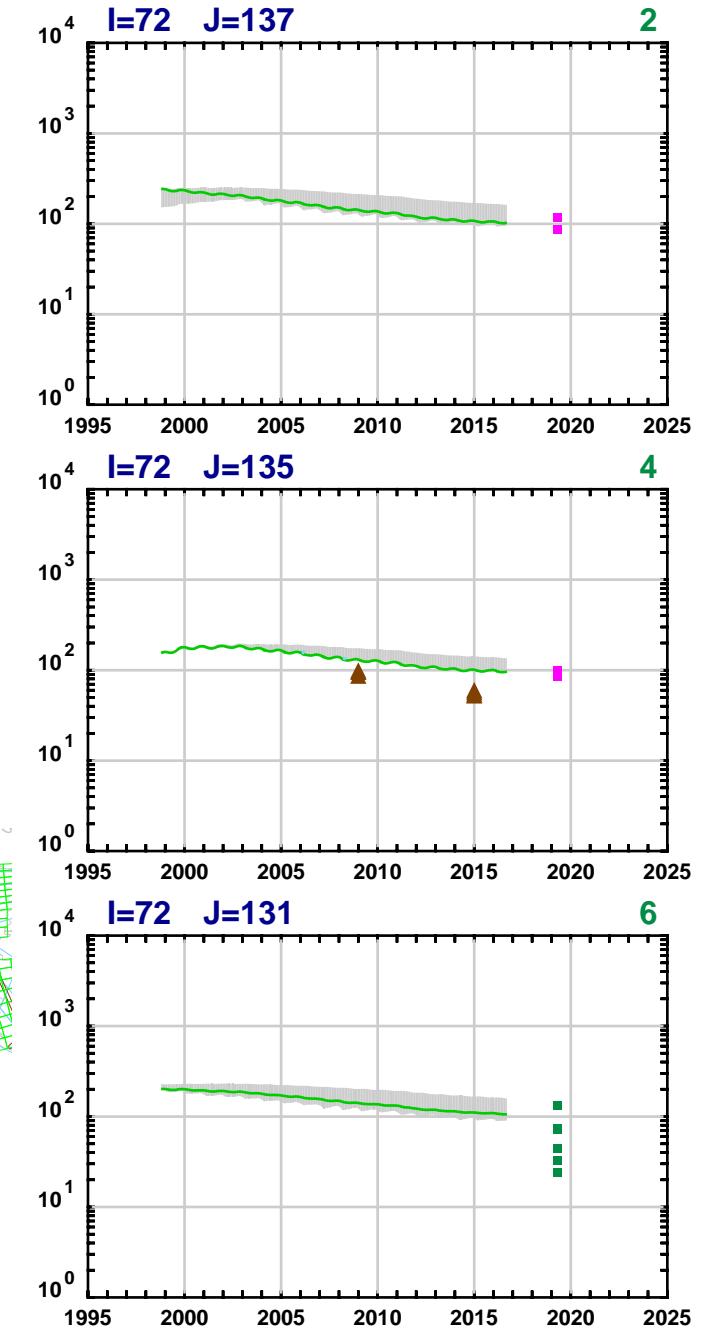
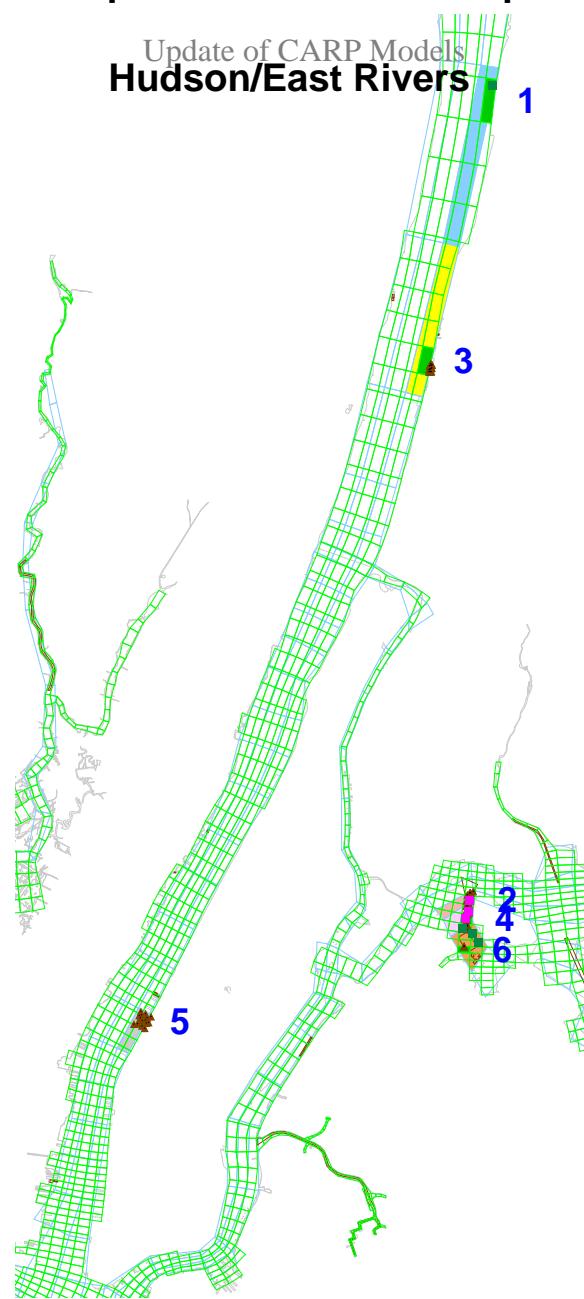
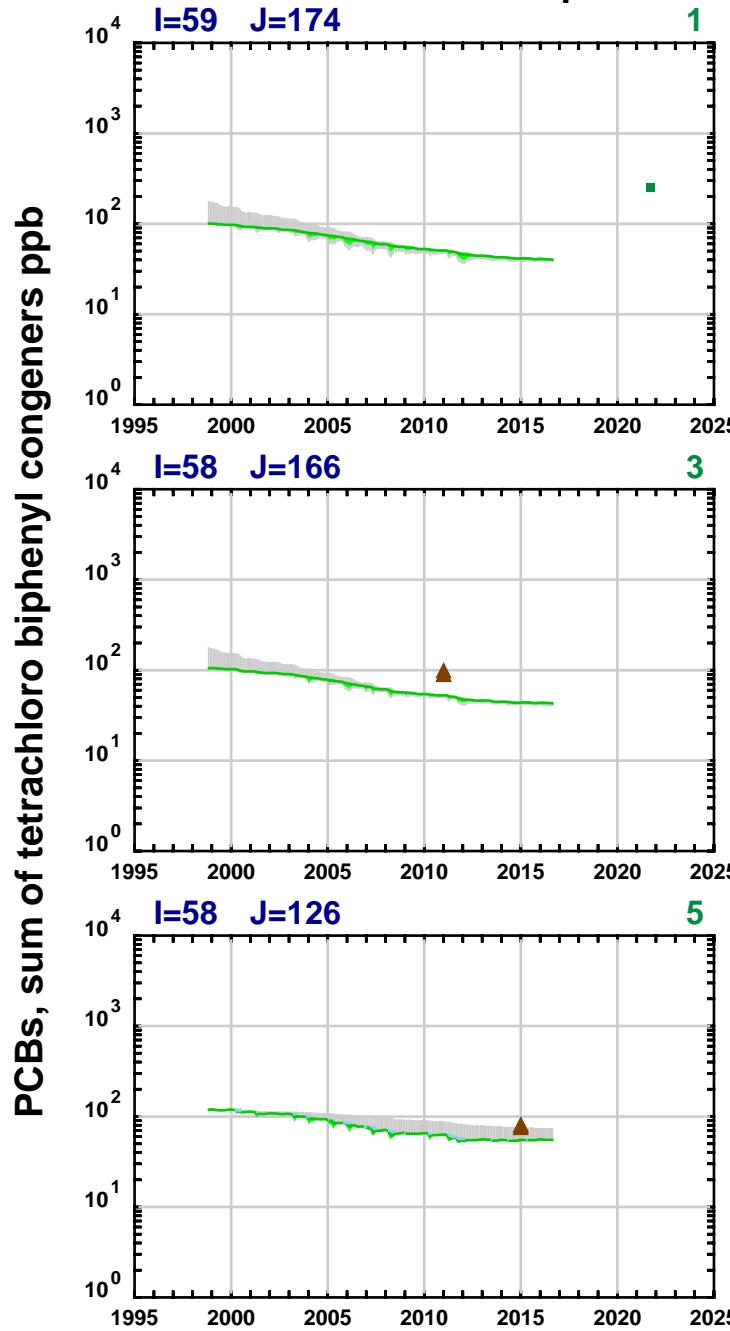
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



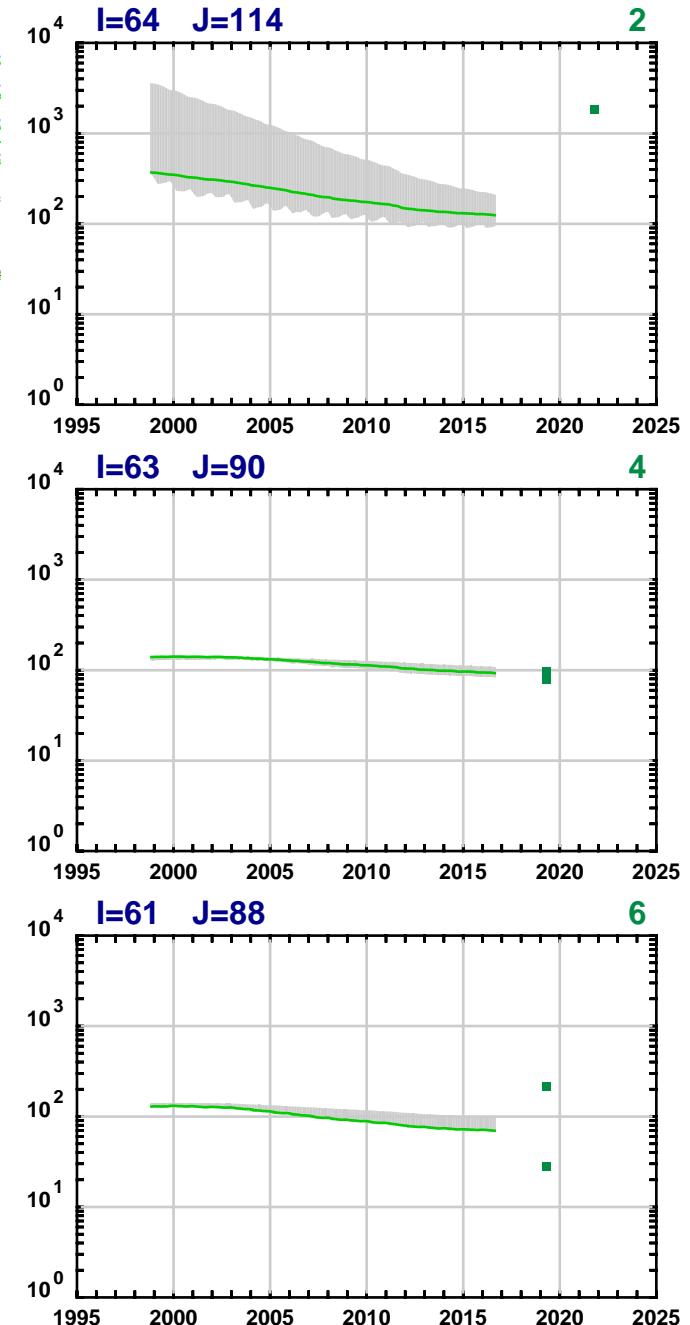
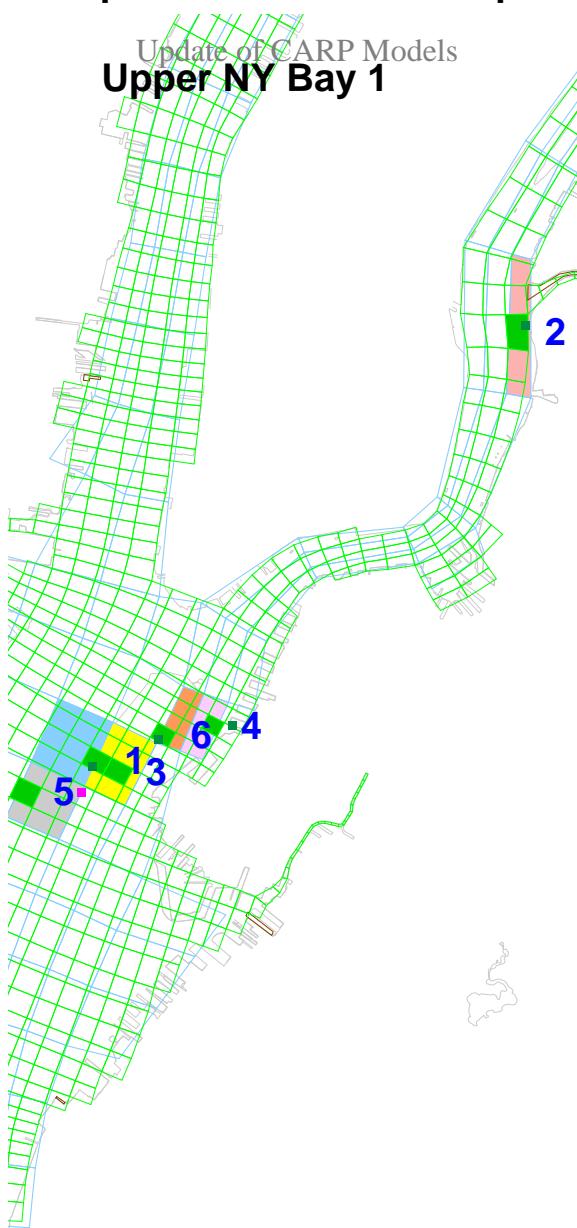
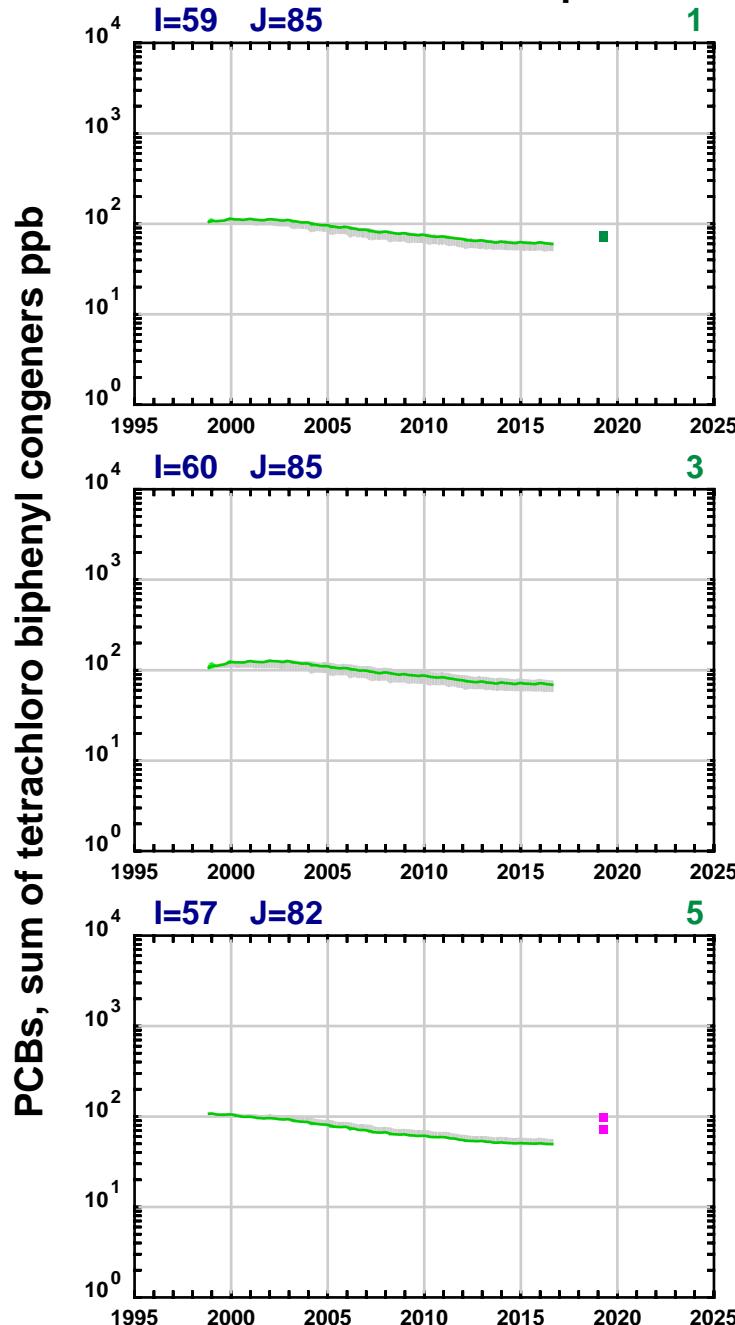
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

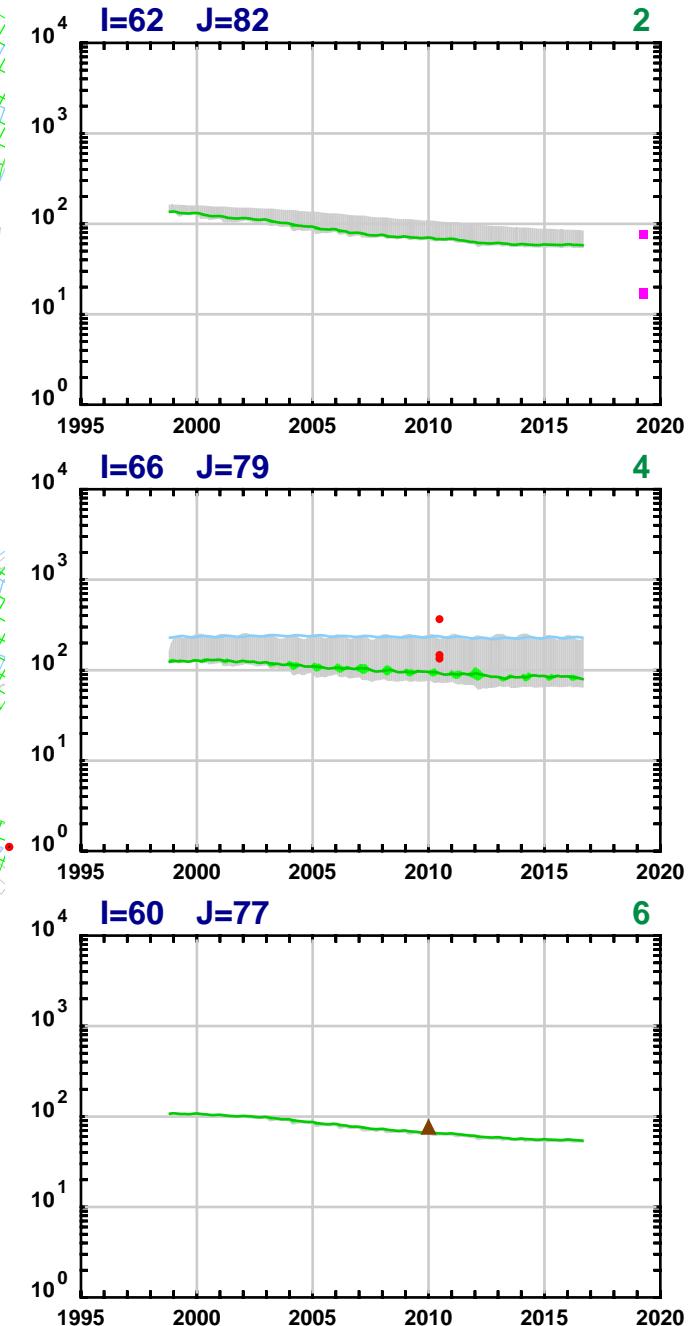
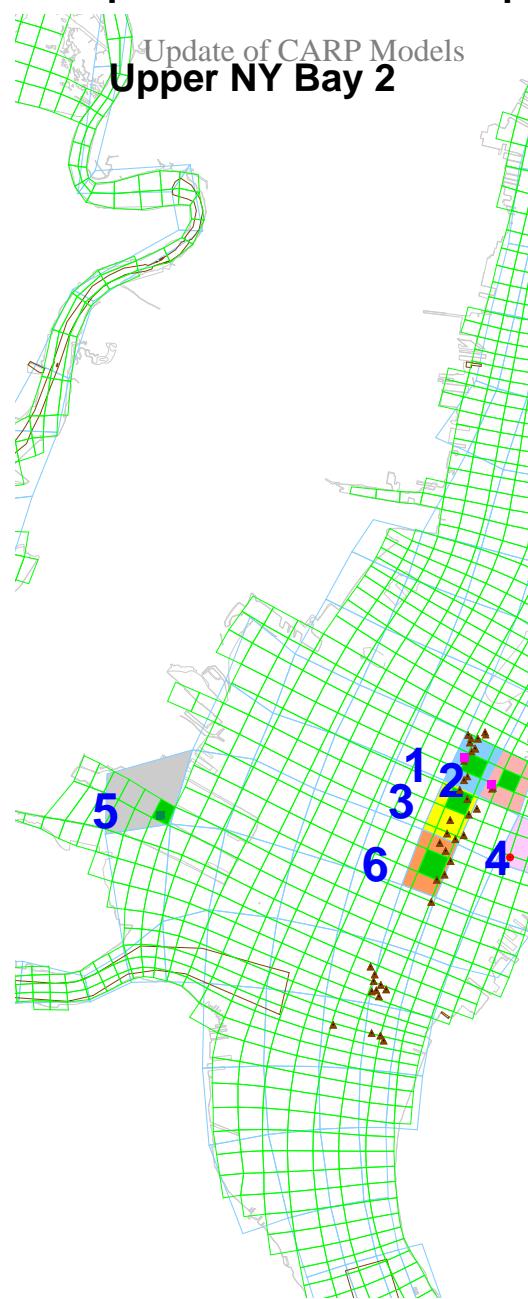
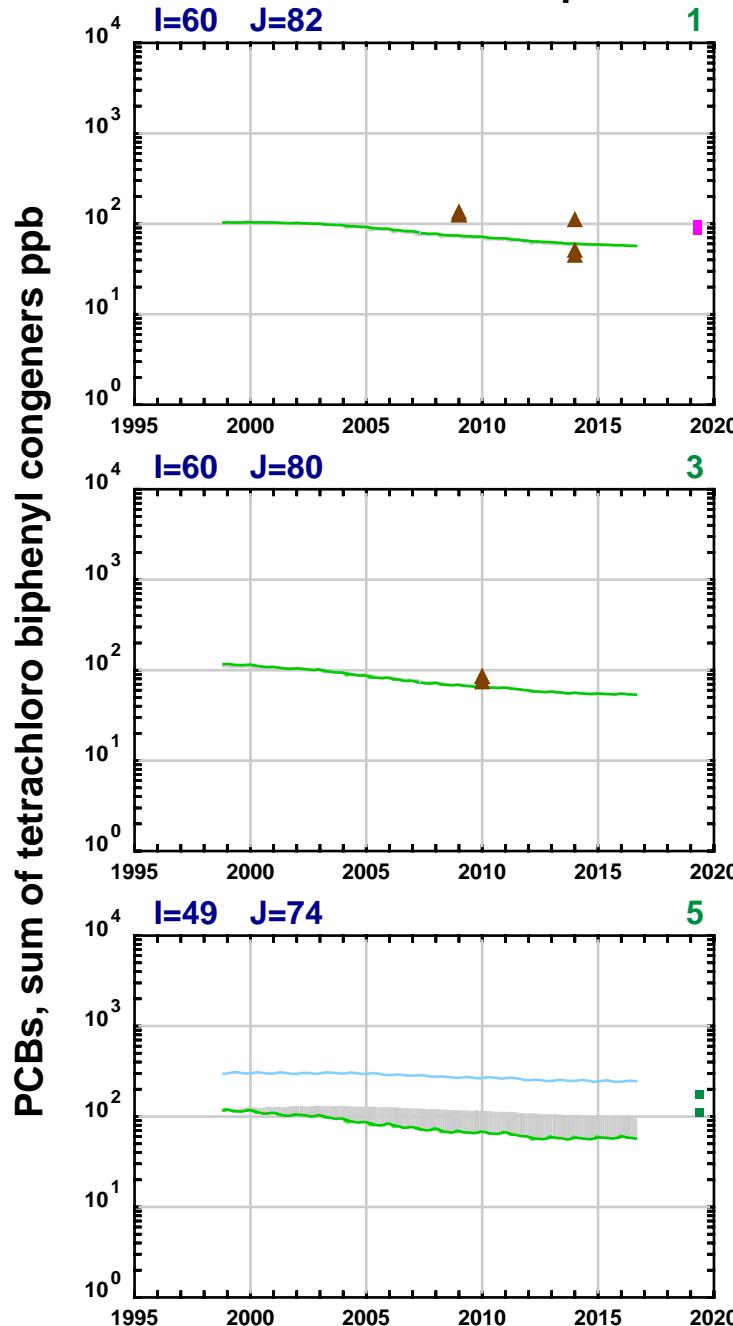


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

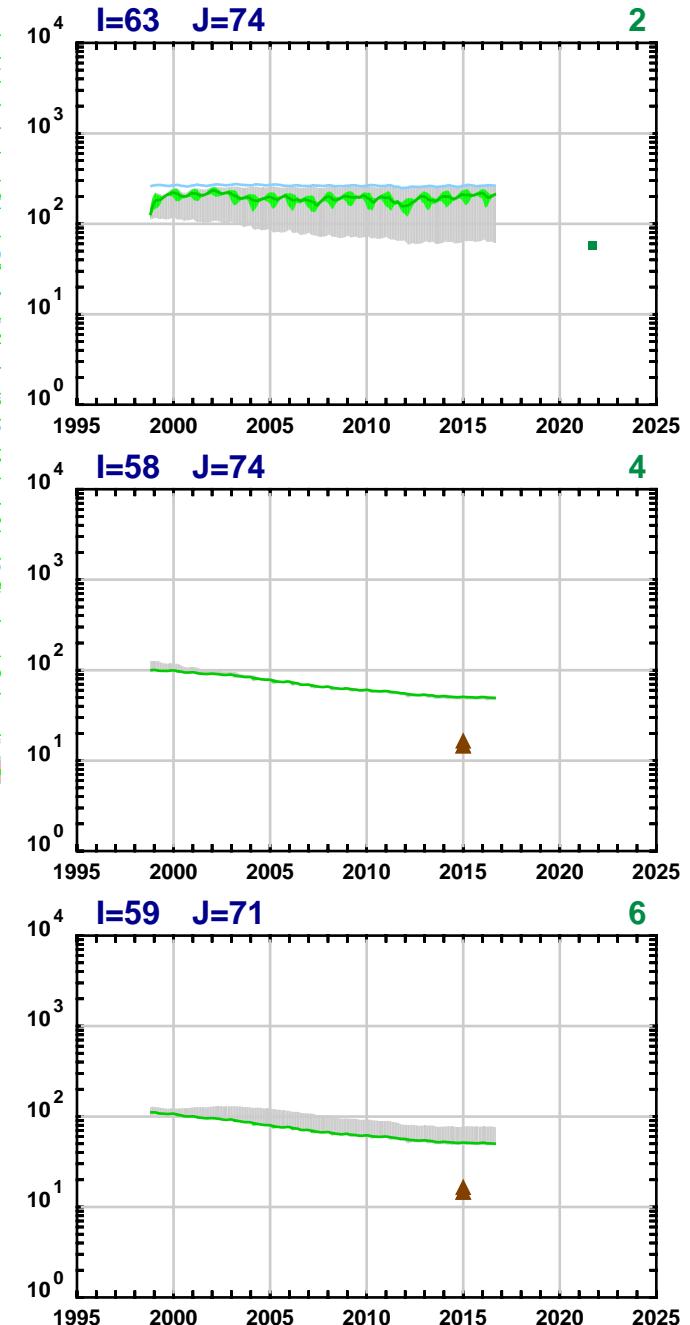
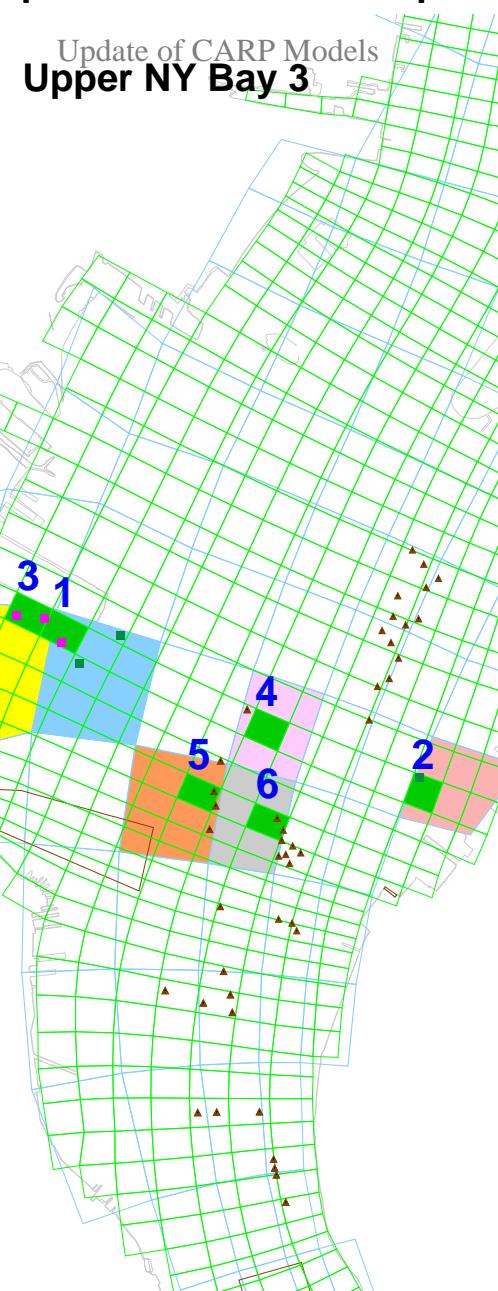
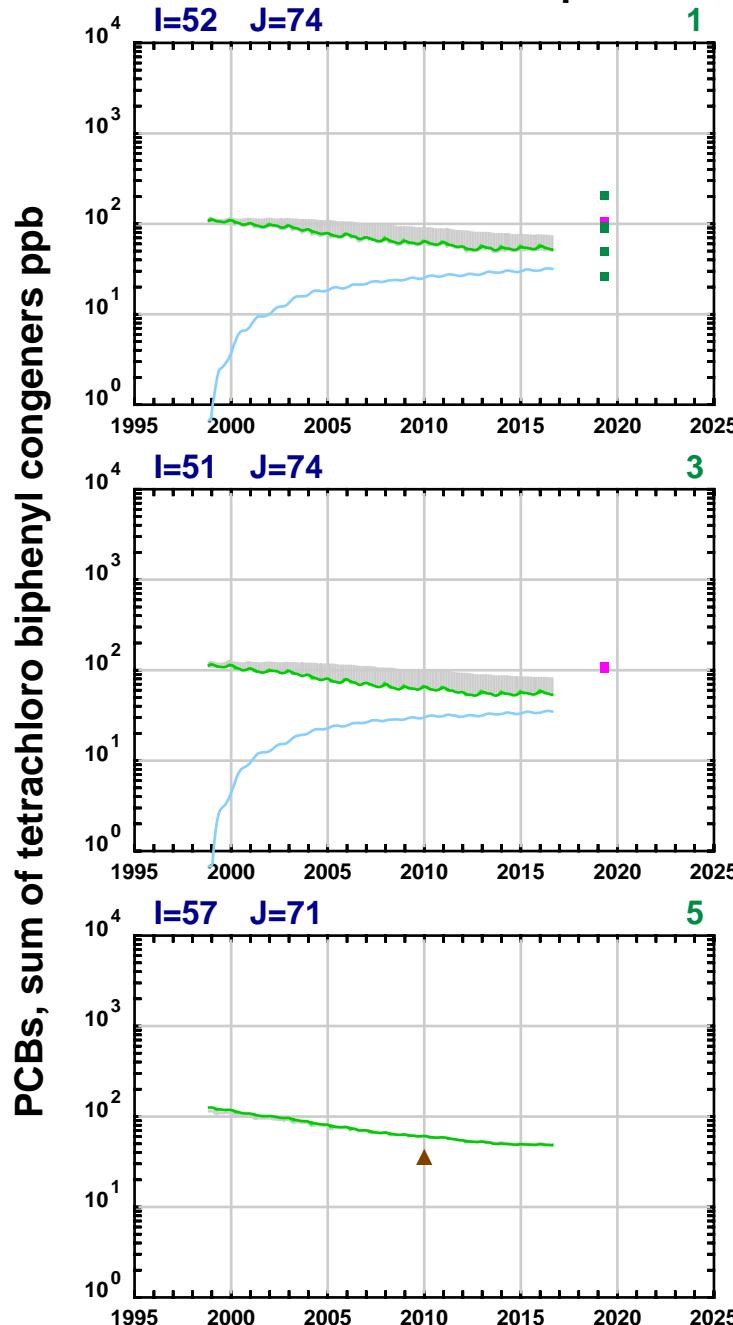


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



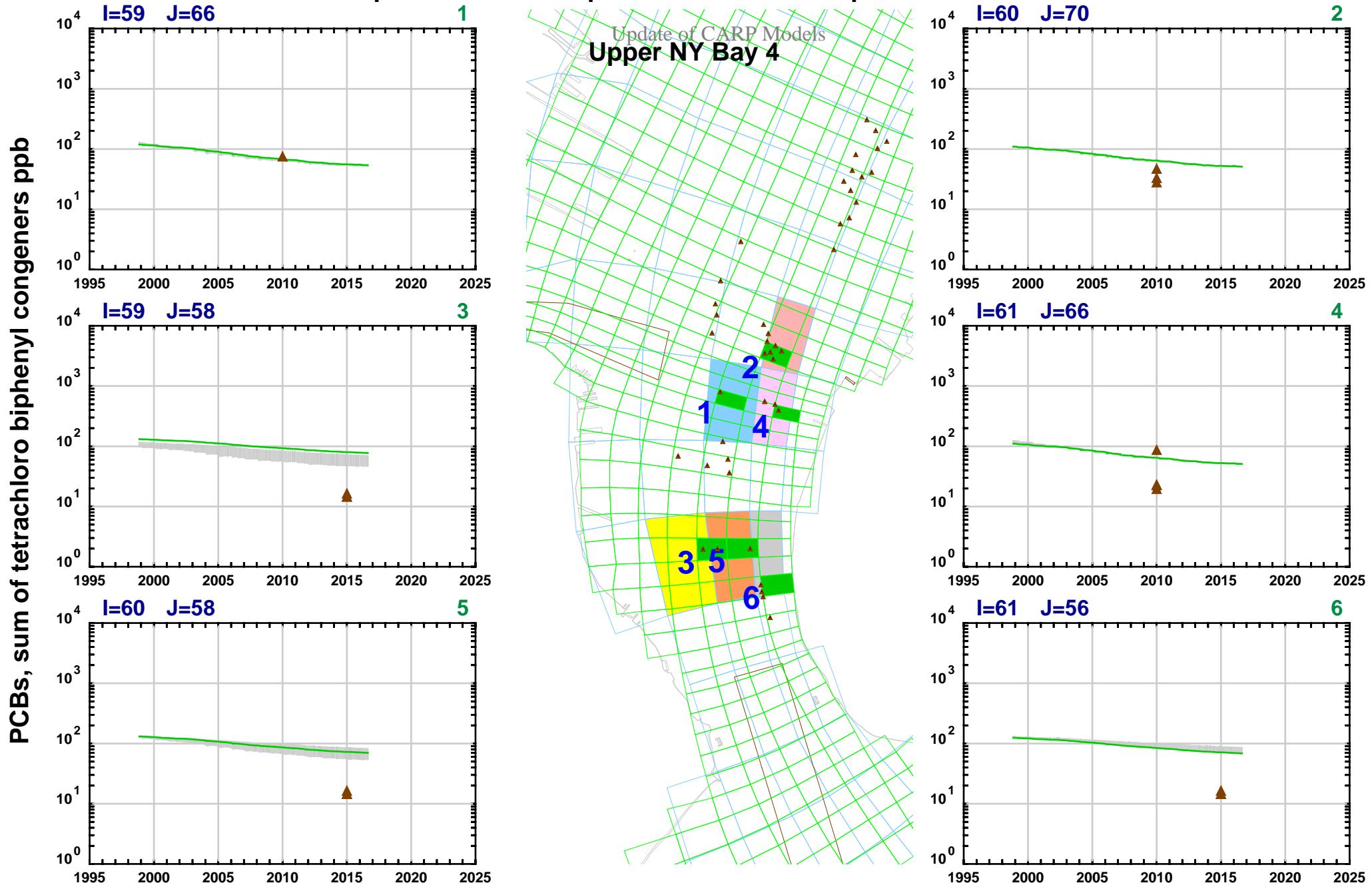
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



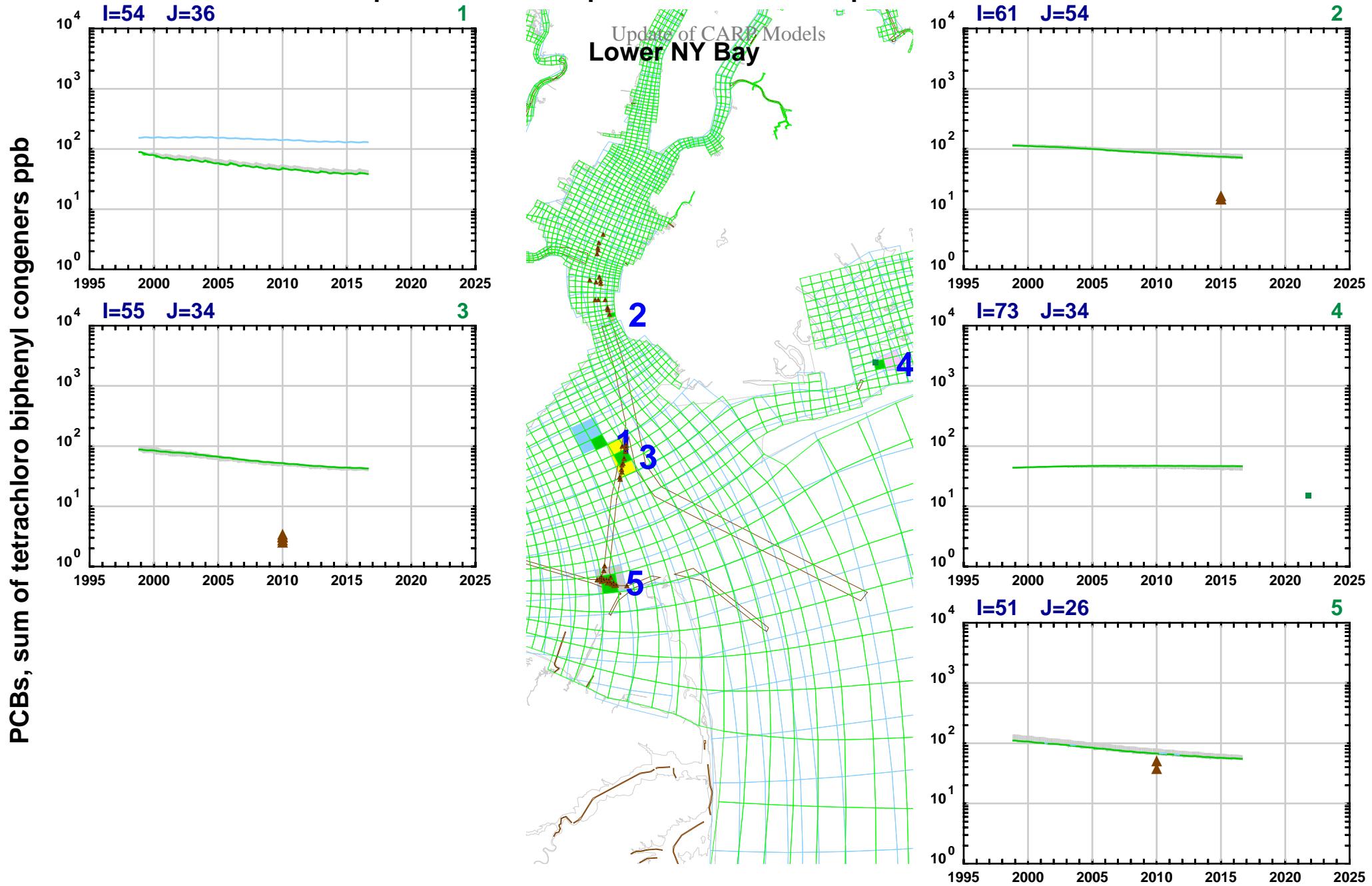
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

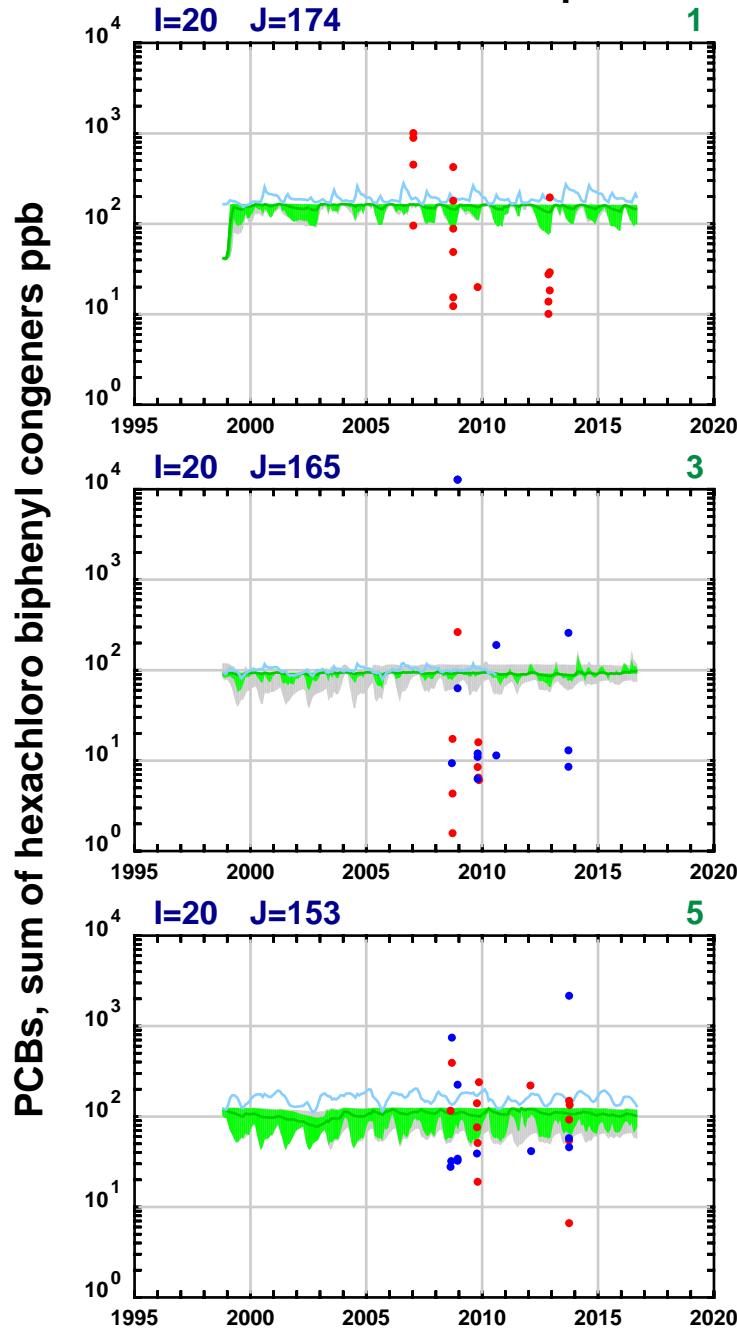
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

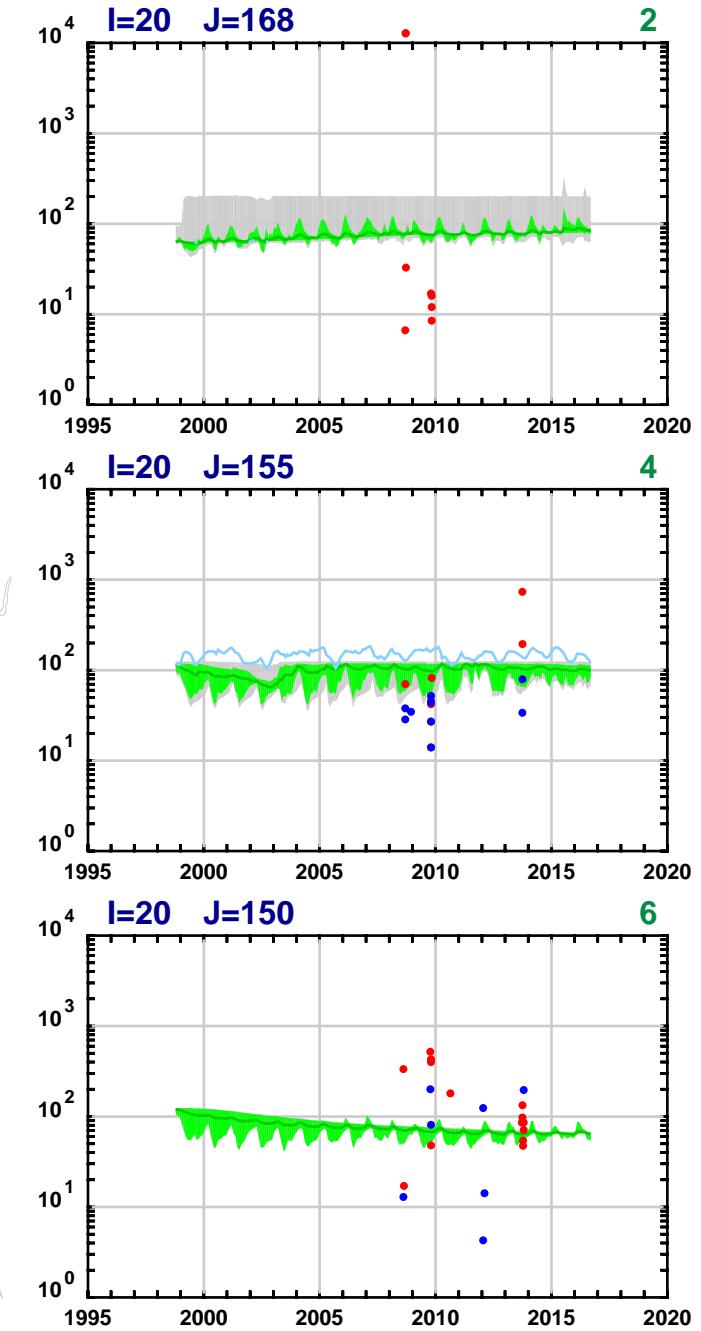
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- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I

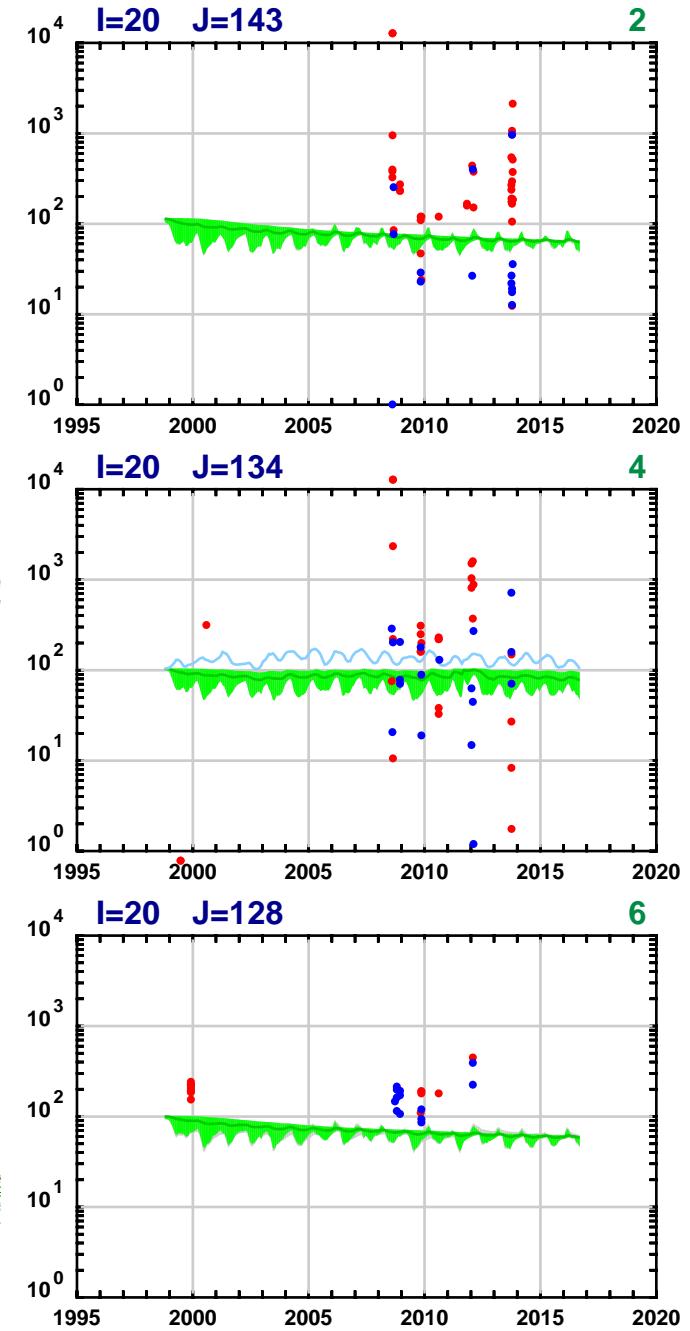
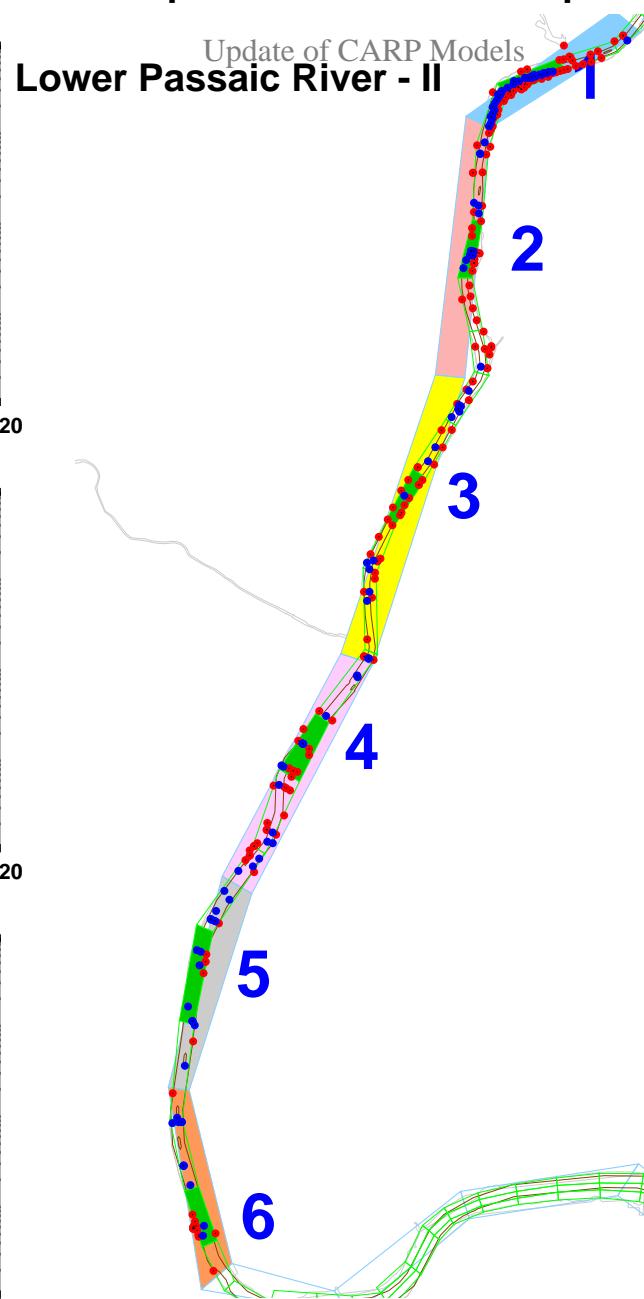
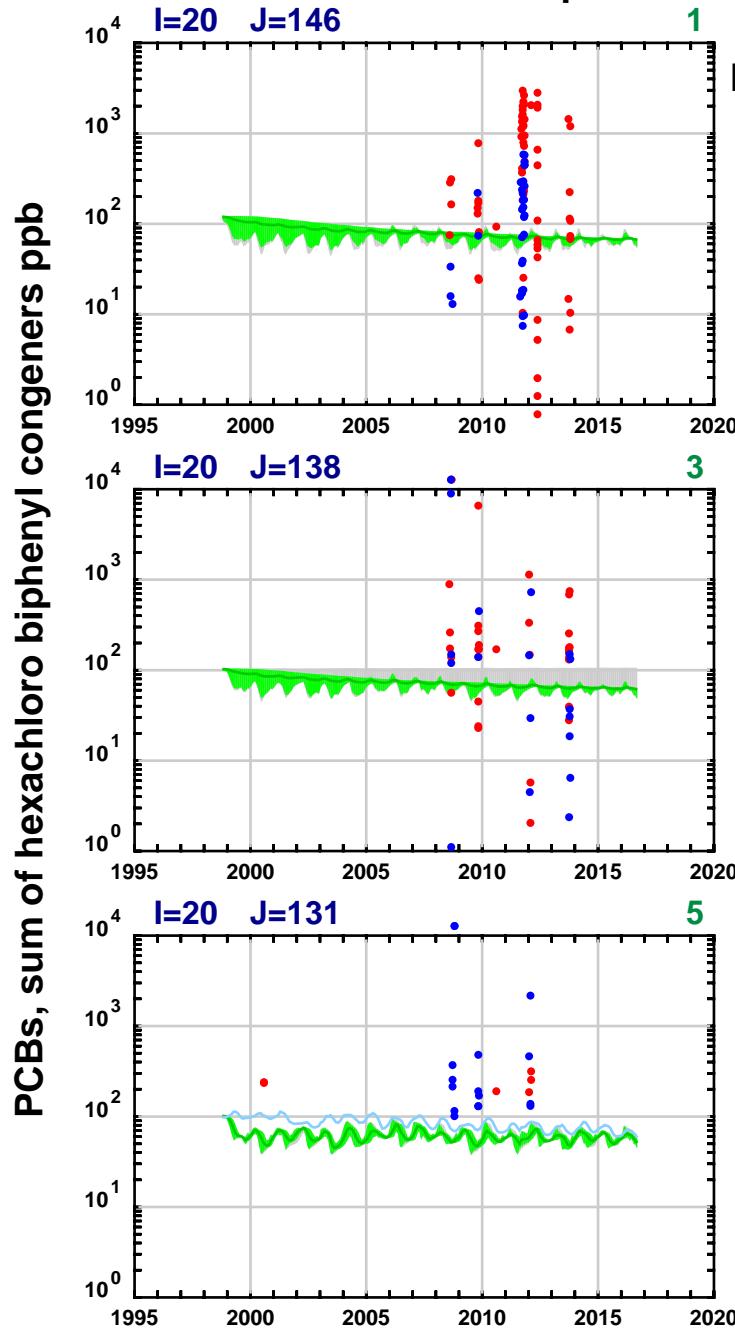


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



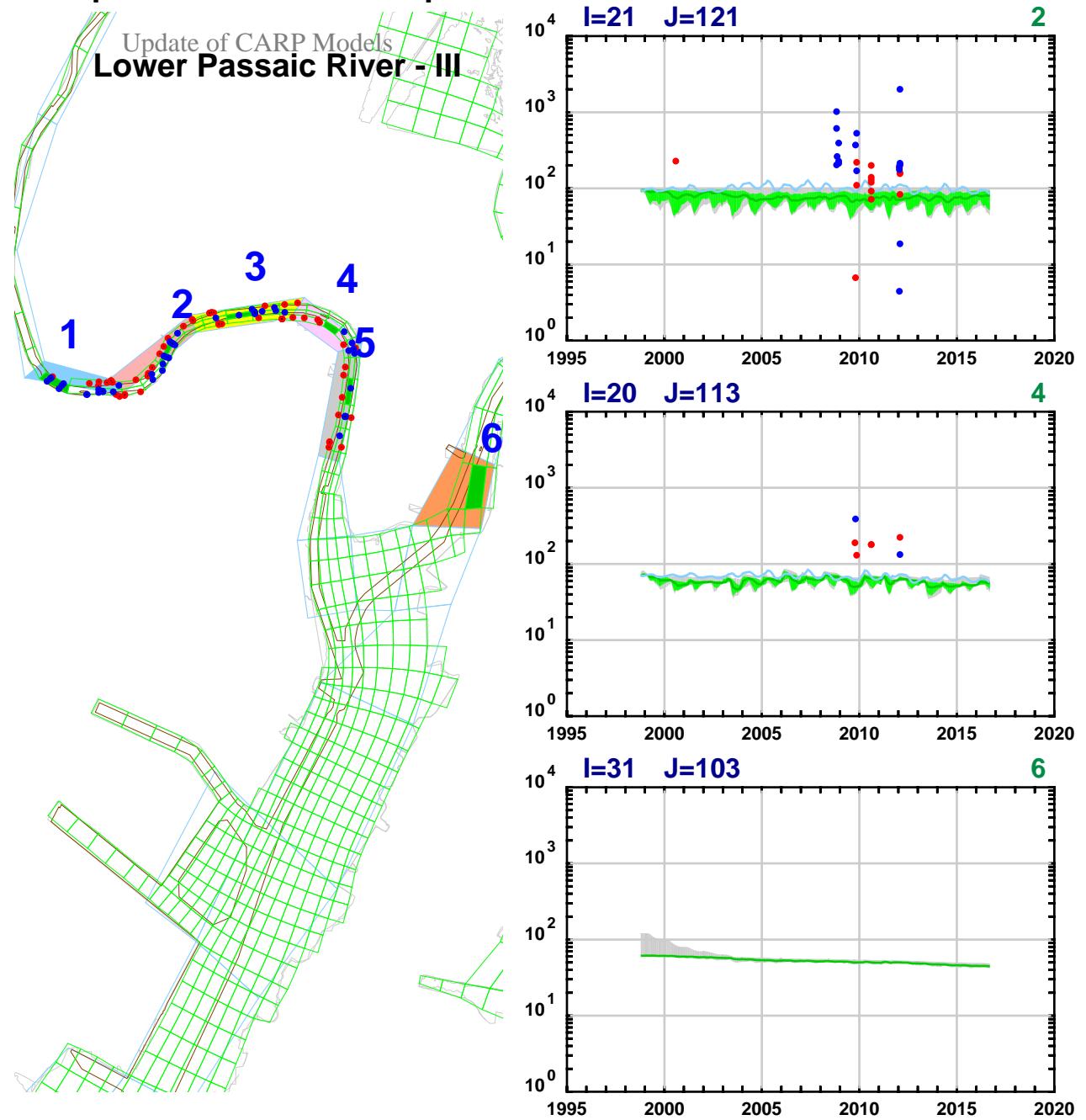
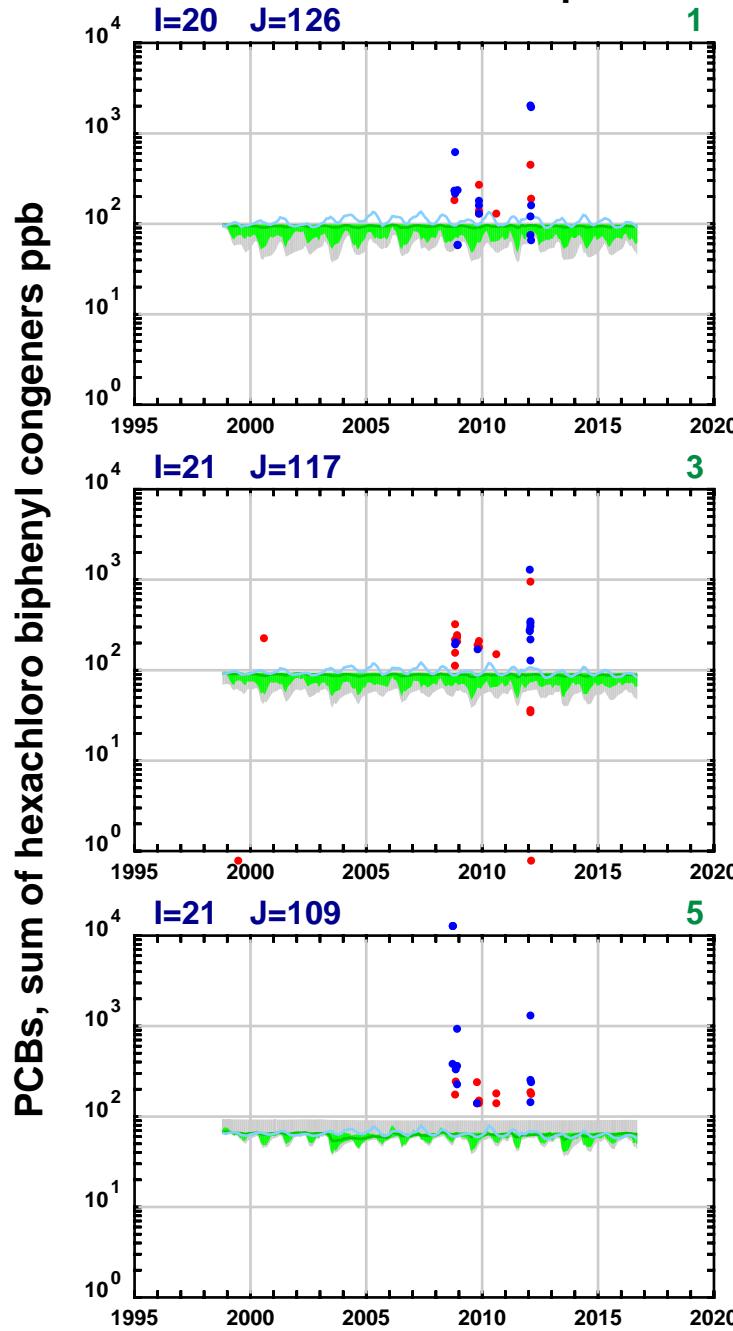
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

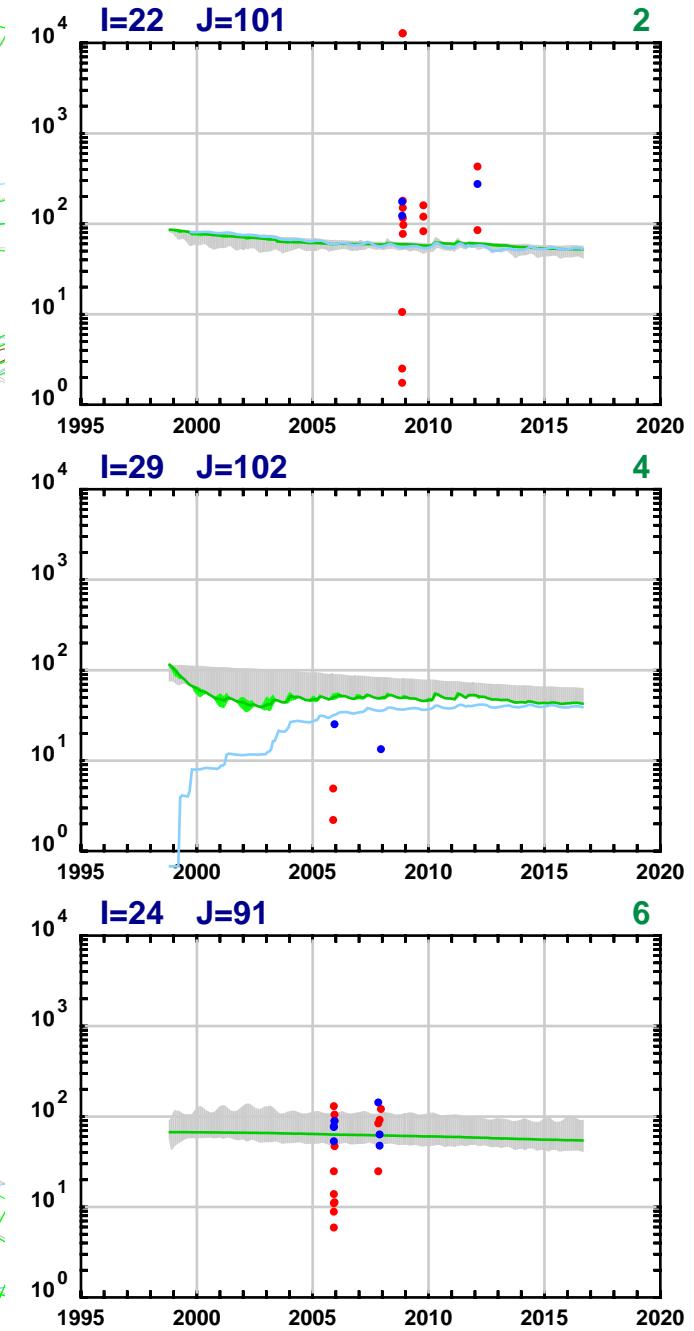
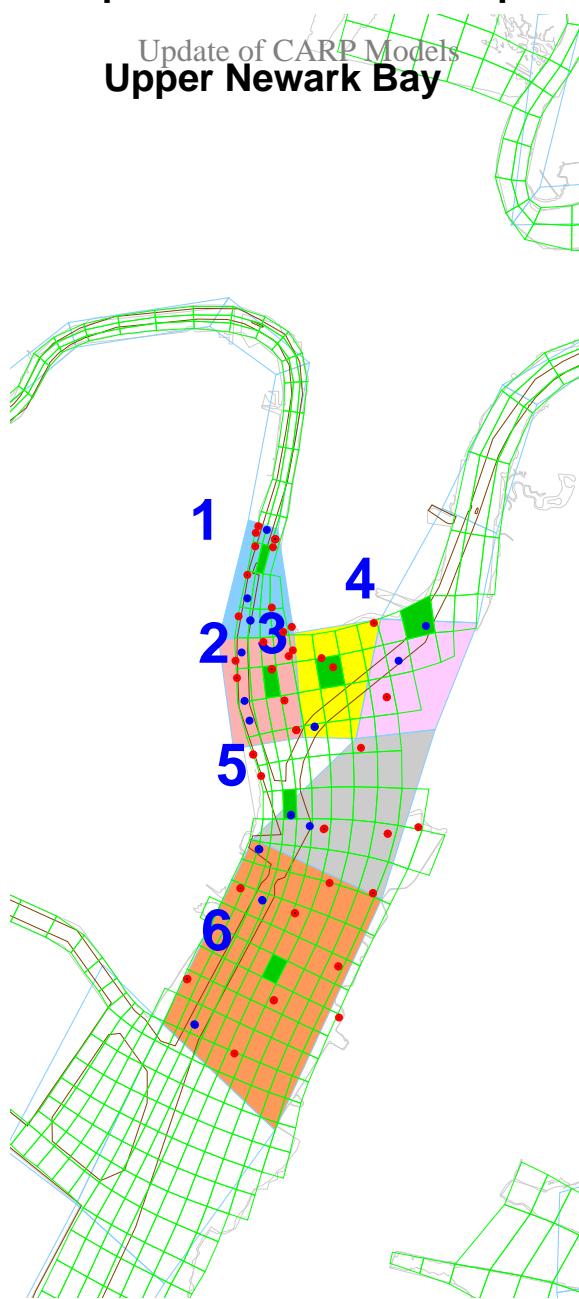
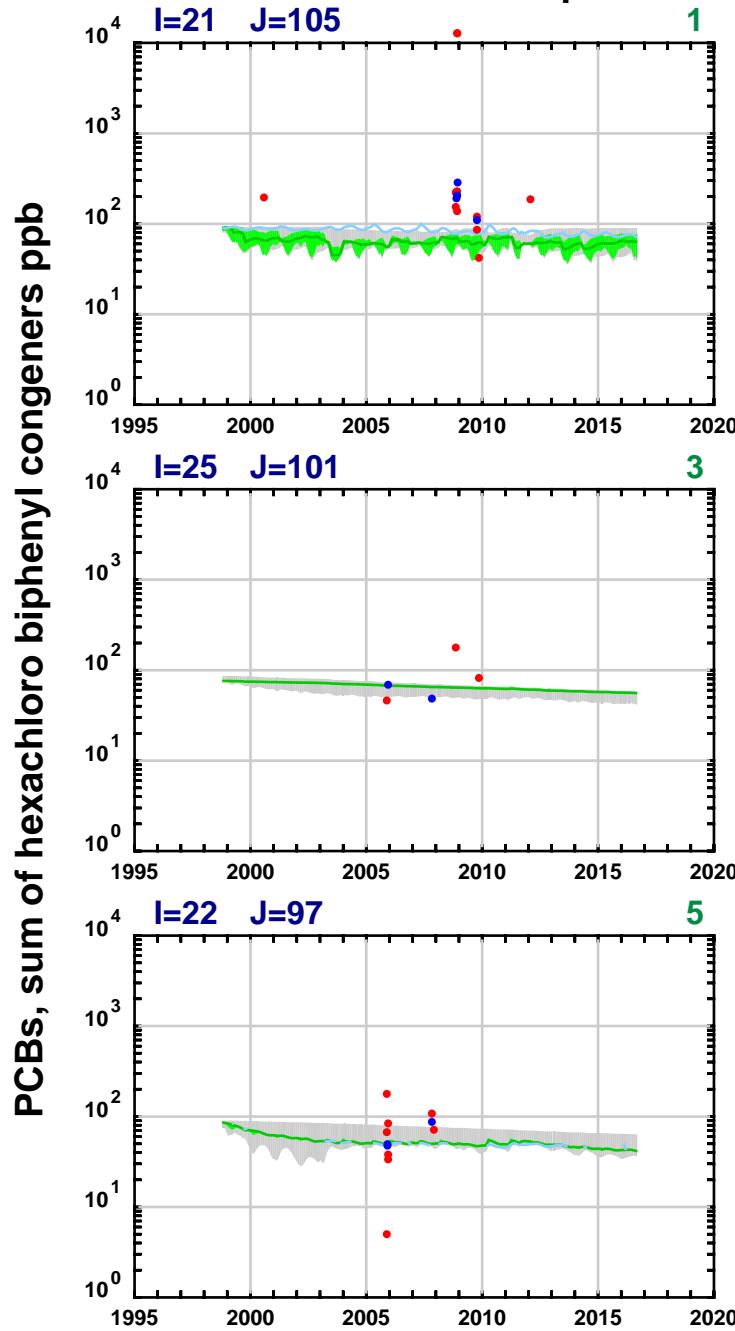
Top 15 cm data comparison with model top 10 cm sediment



RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment

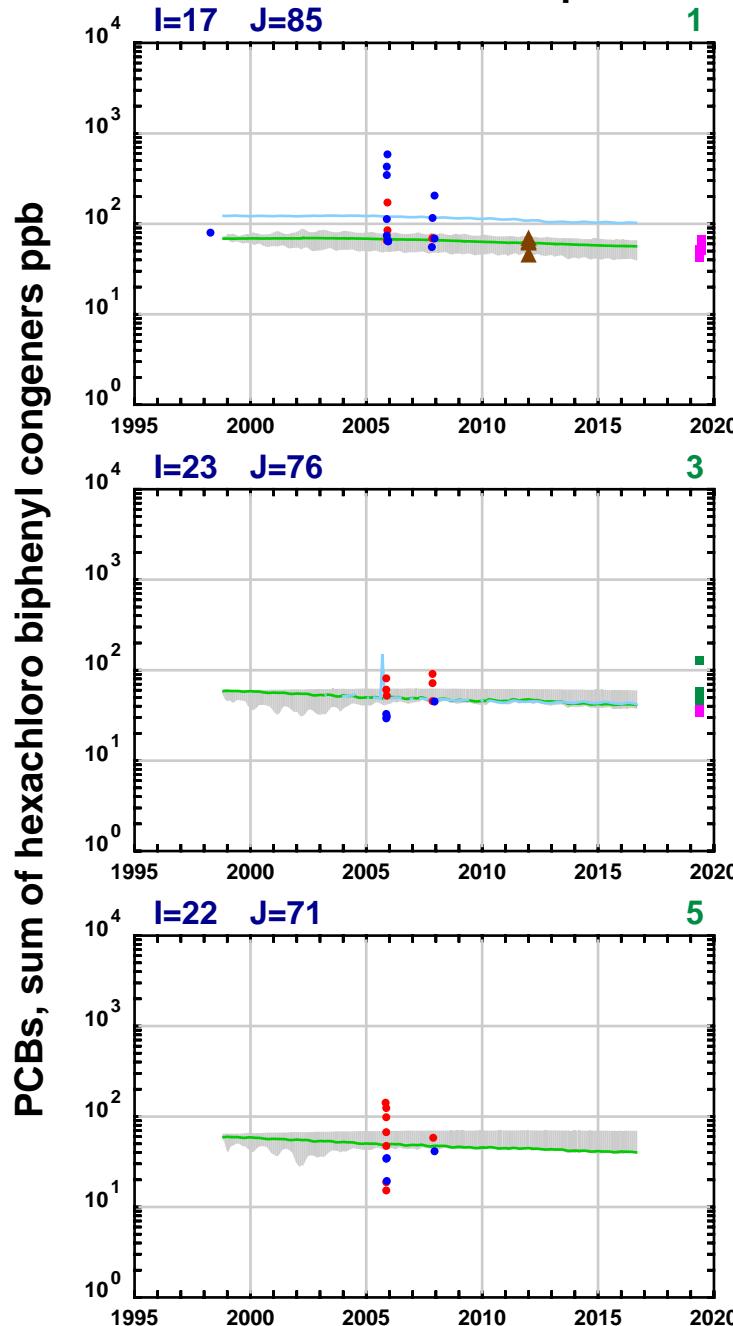


RUN18

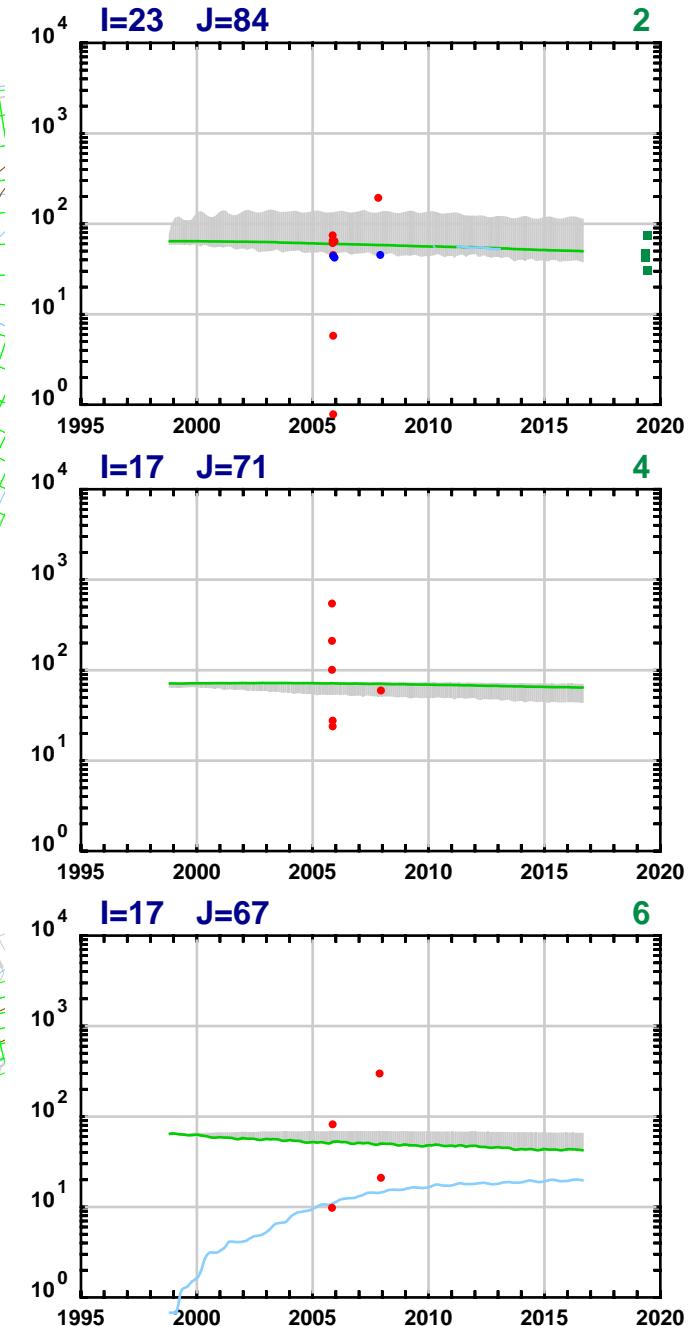
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay



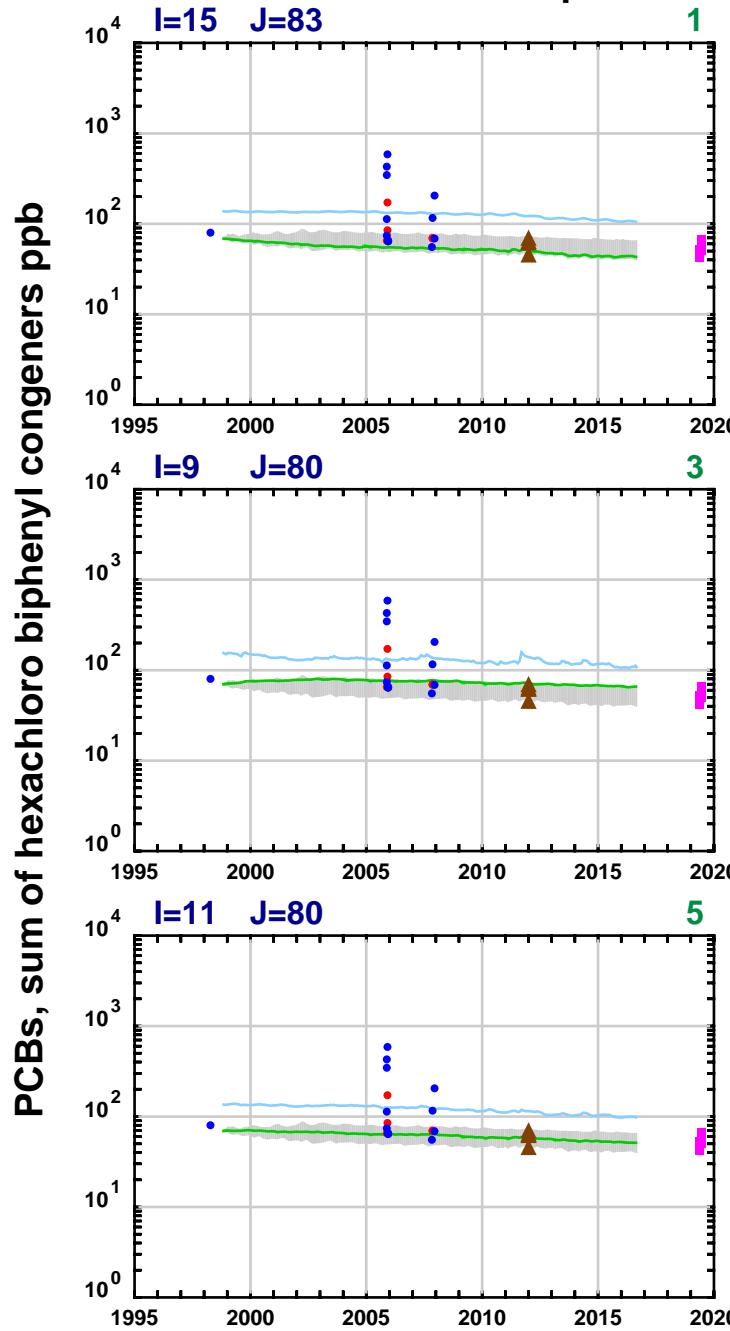
RUN18

Model: mean and range of values in top sediment

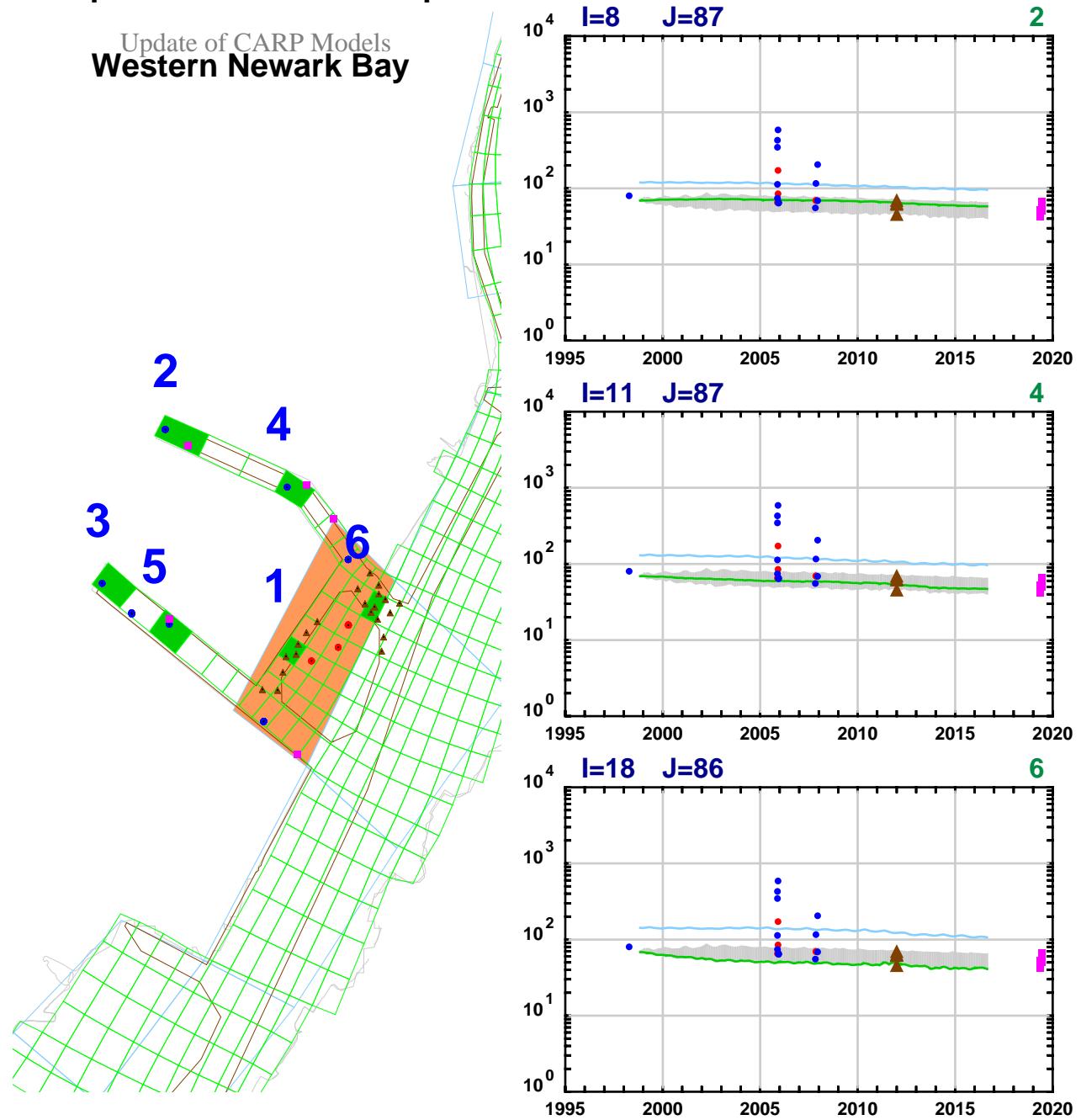
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



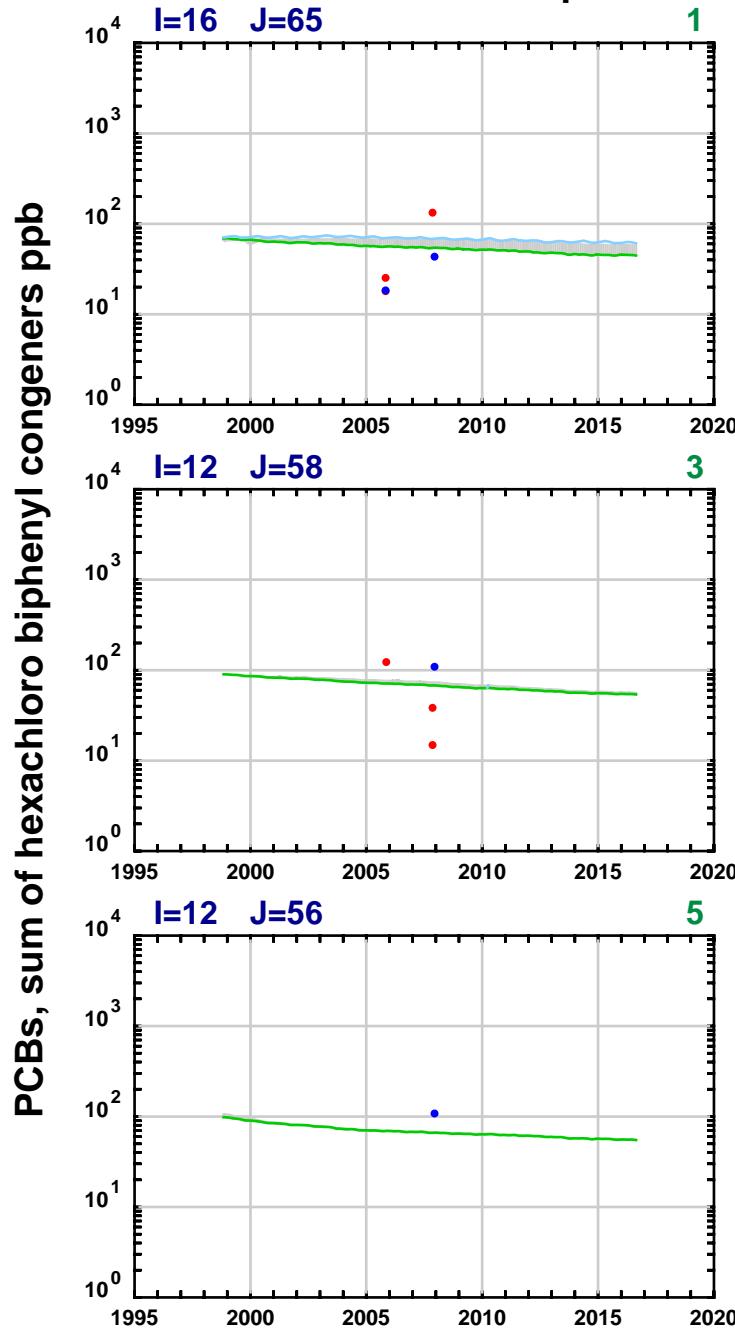
Update of CARP Models
Western Newark Bay



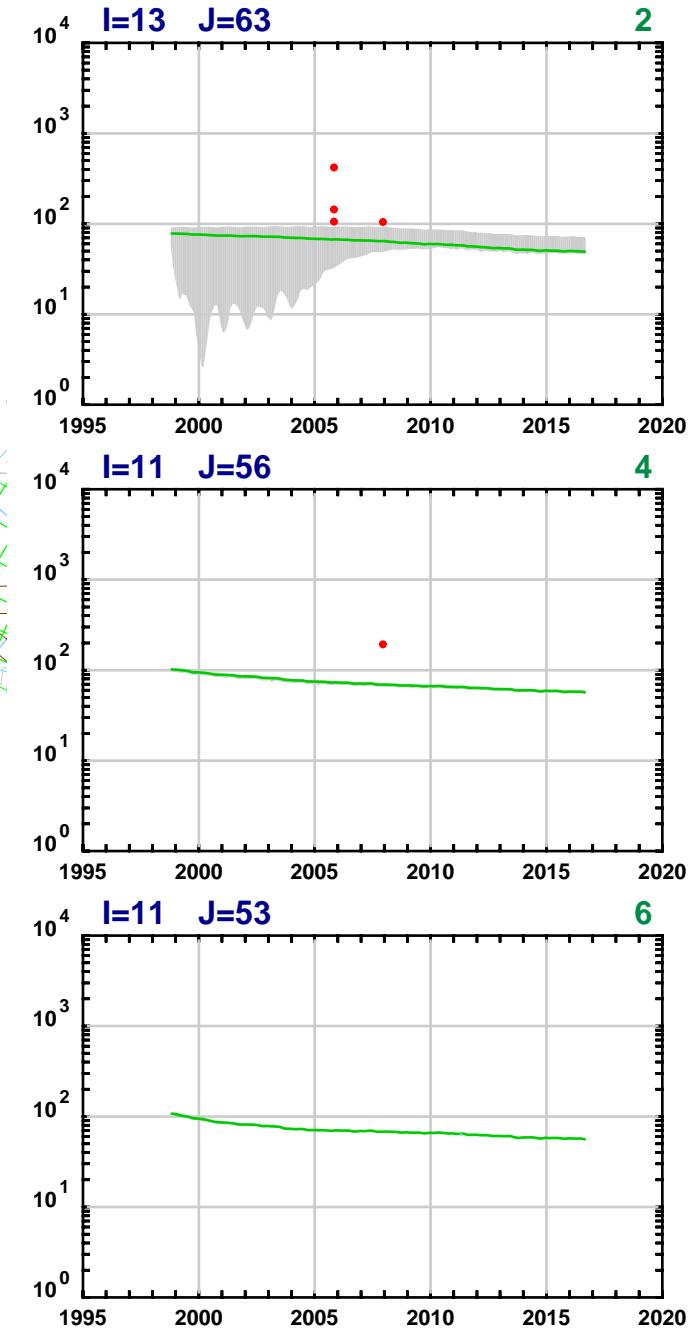
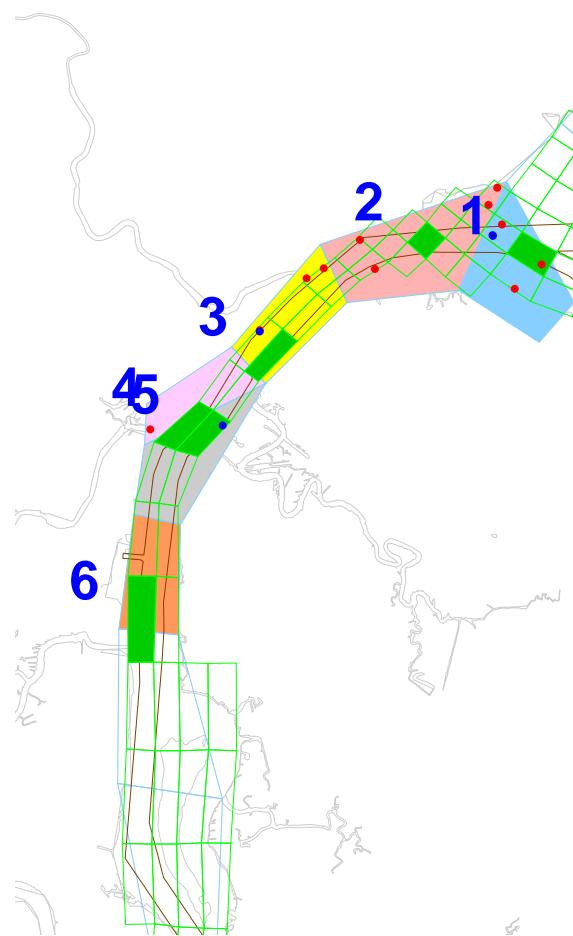
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1

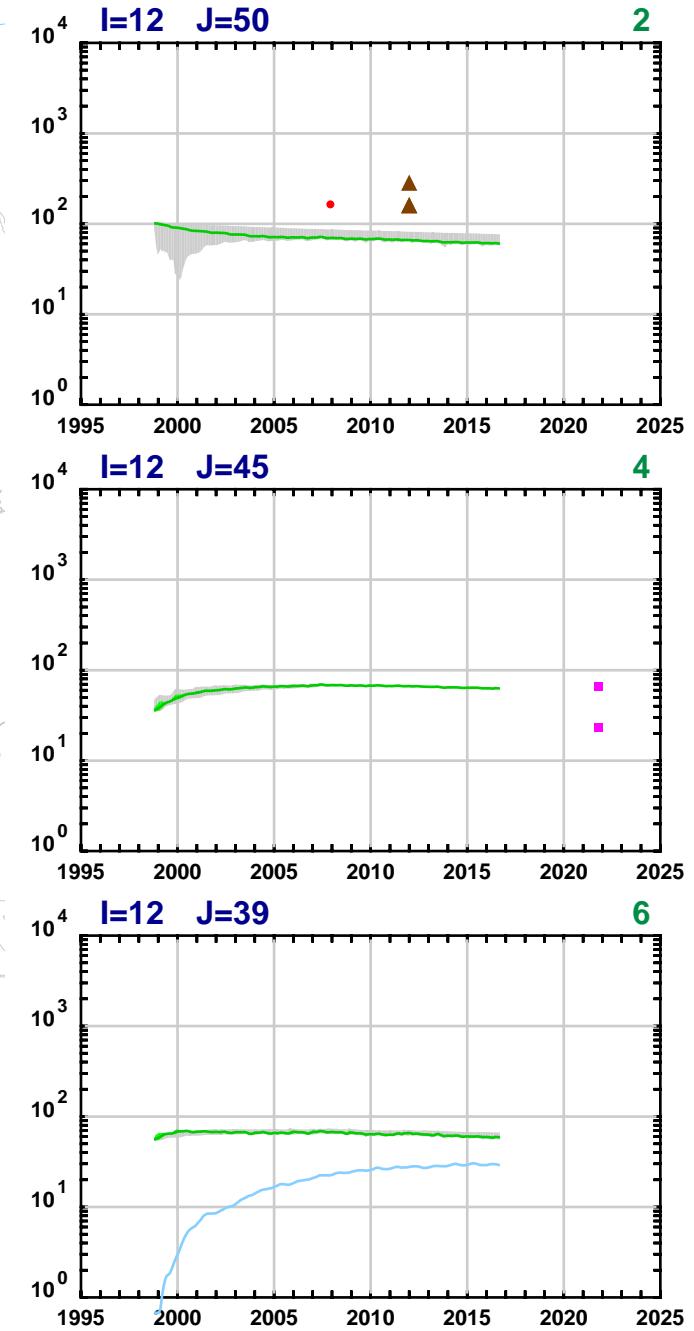
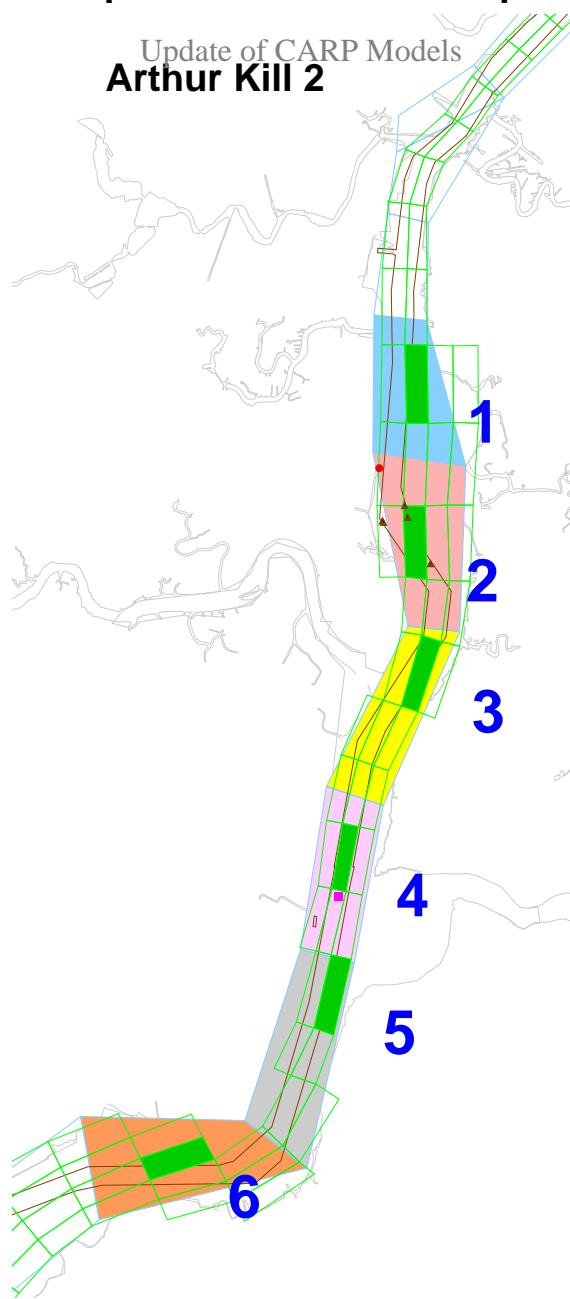
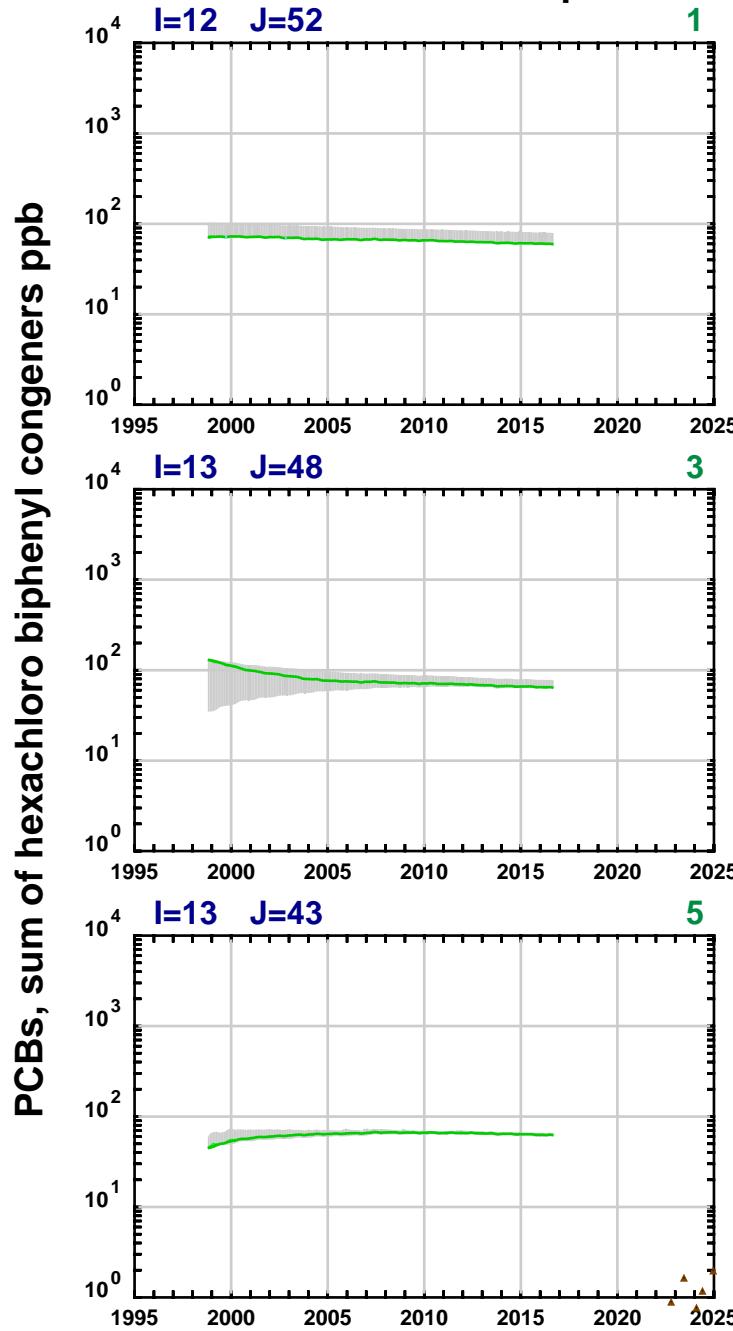


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

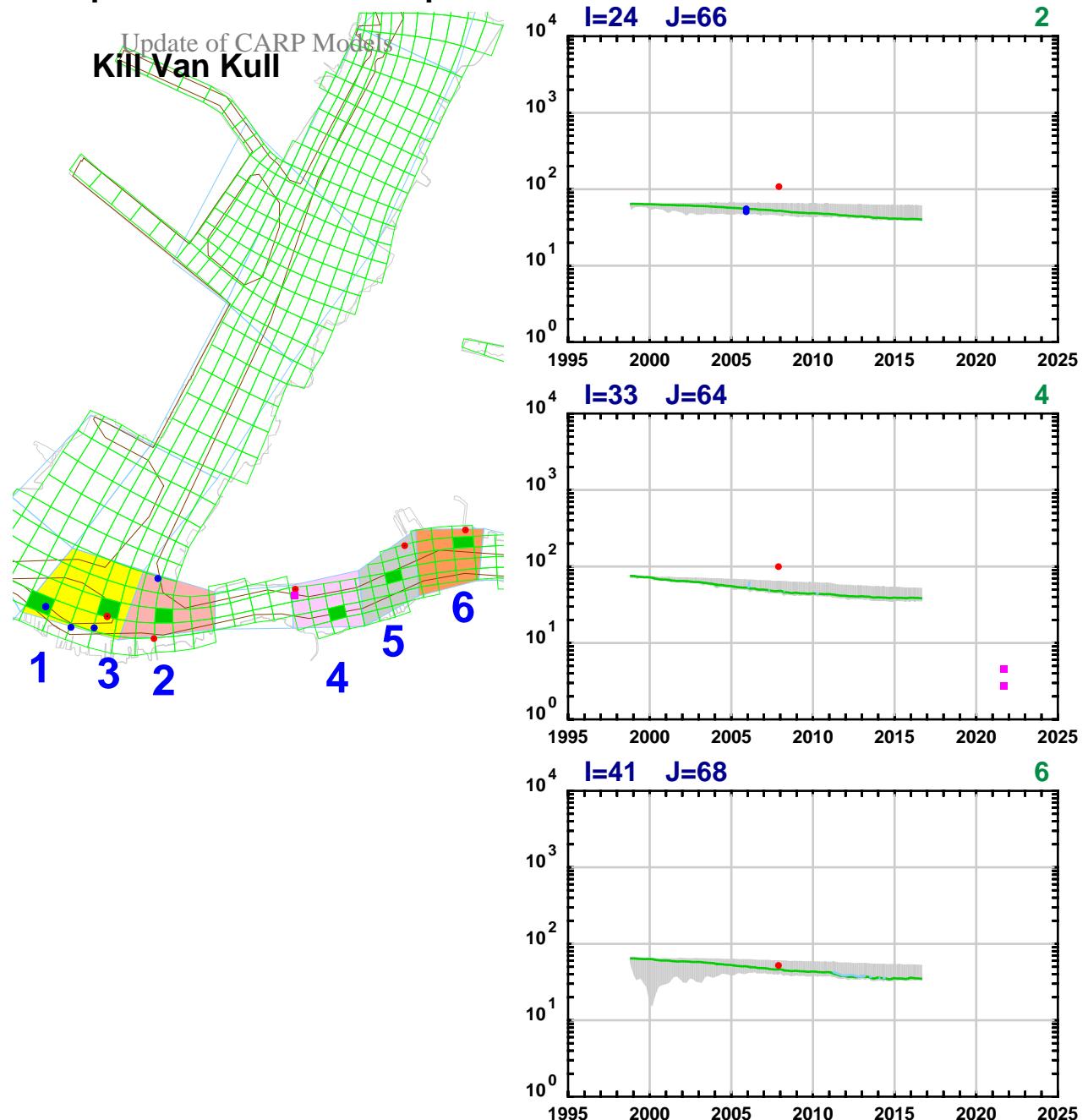
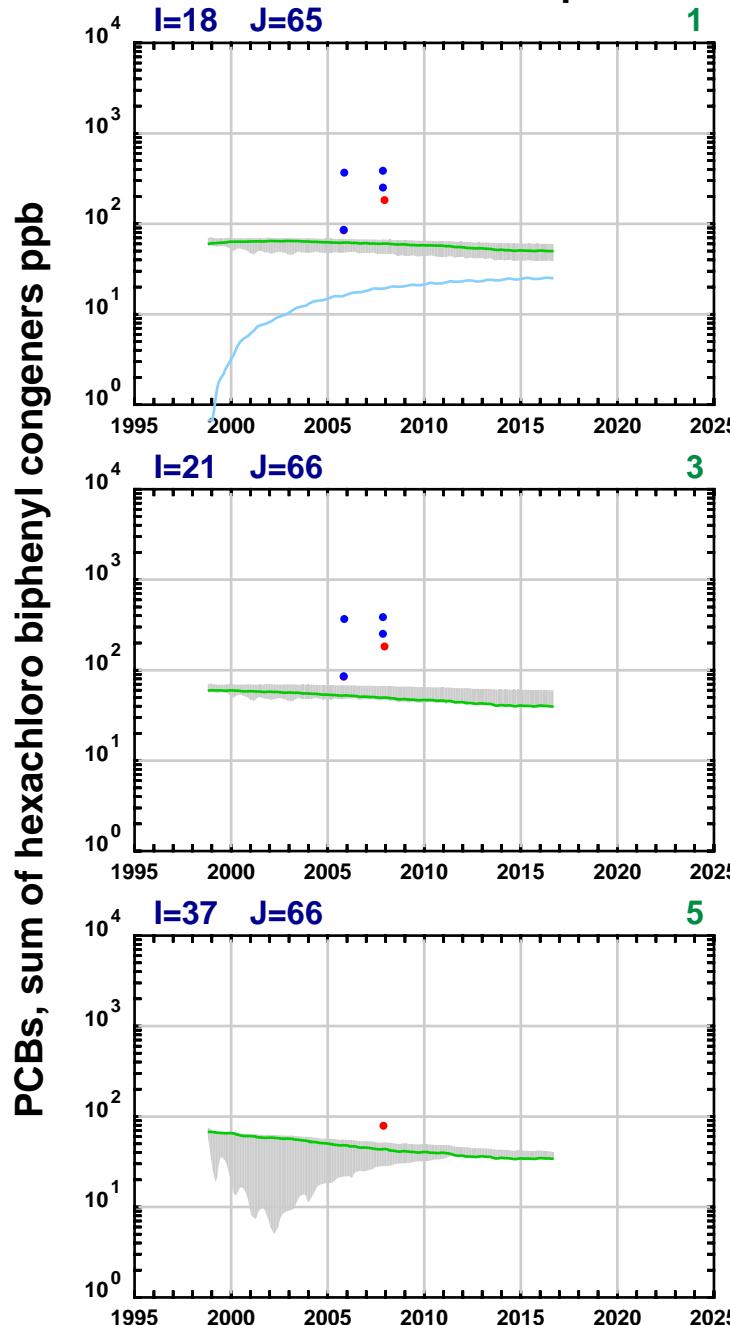


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



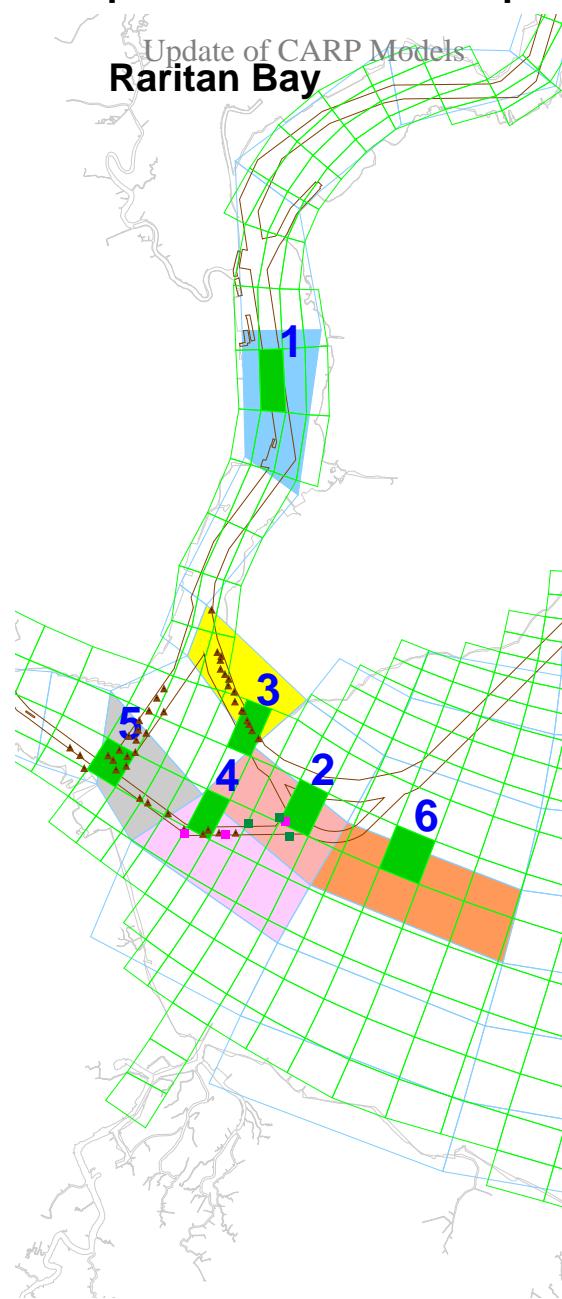
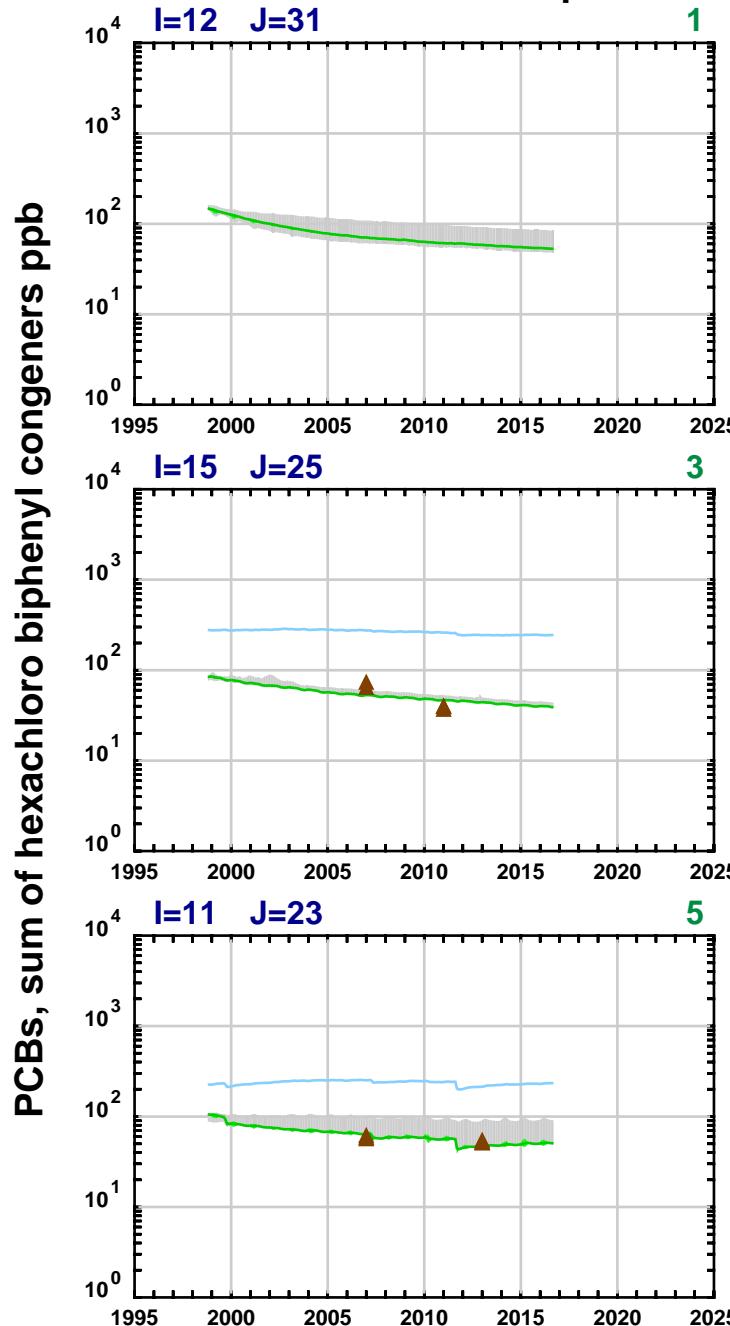
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

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- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



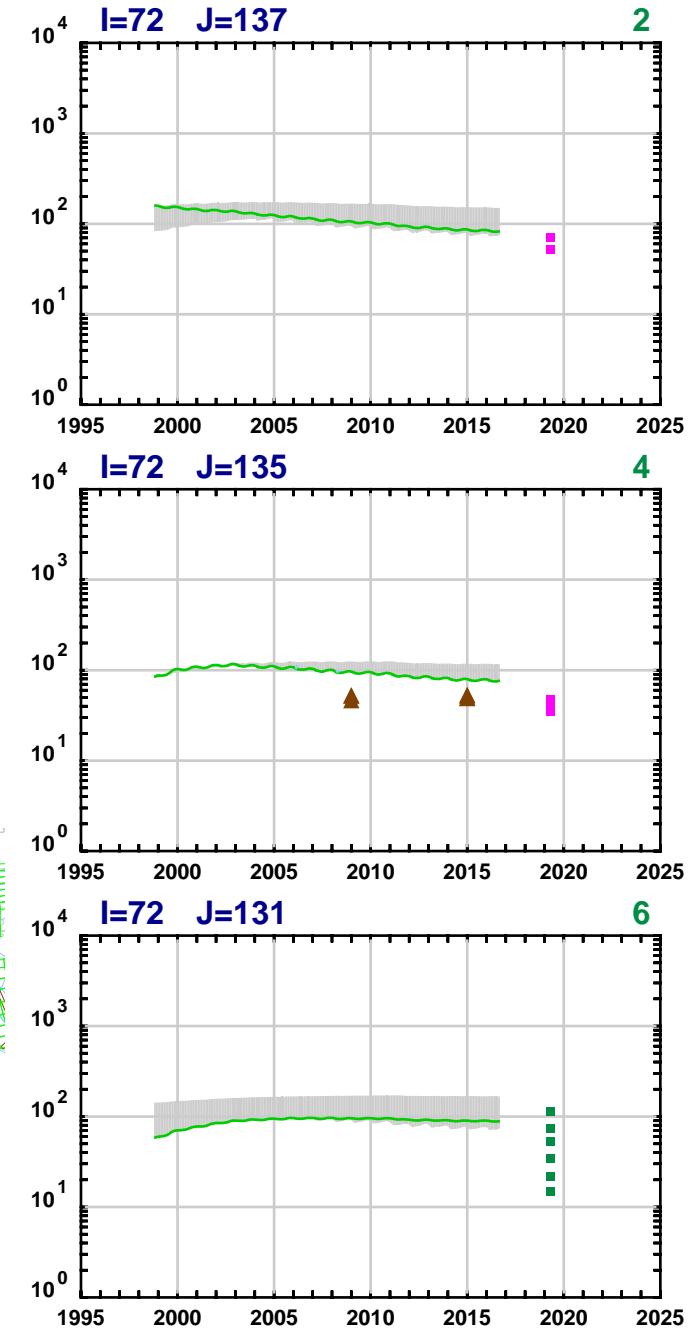
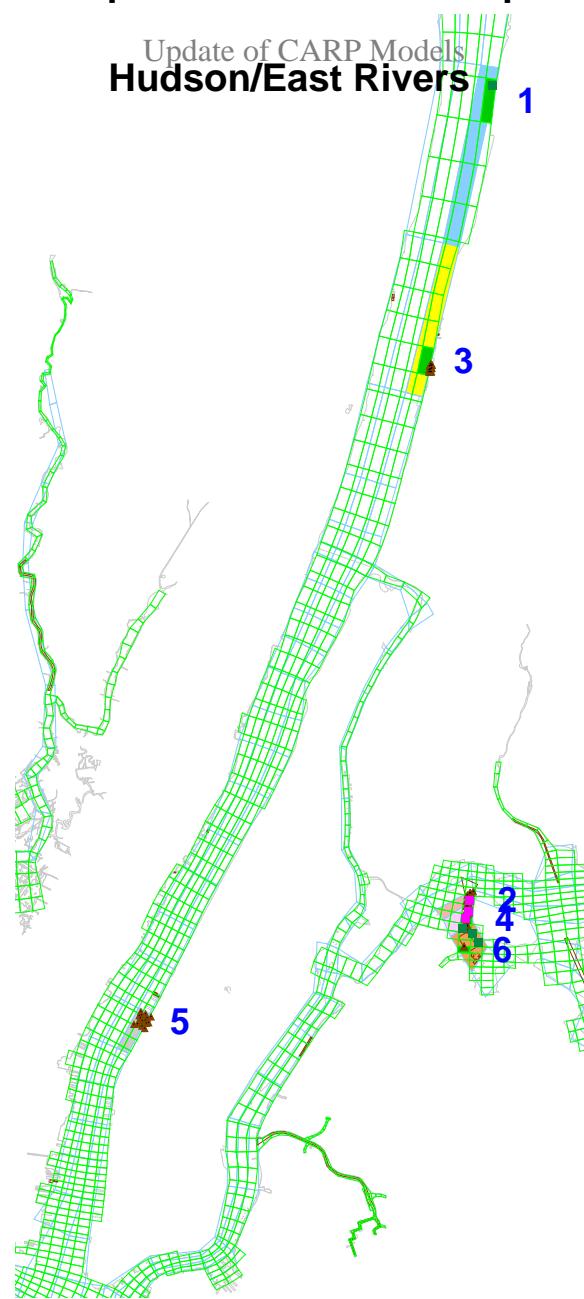
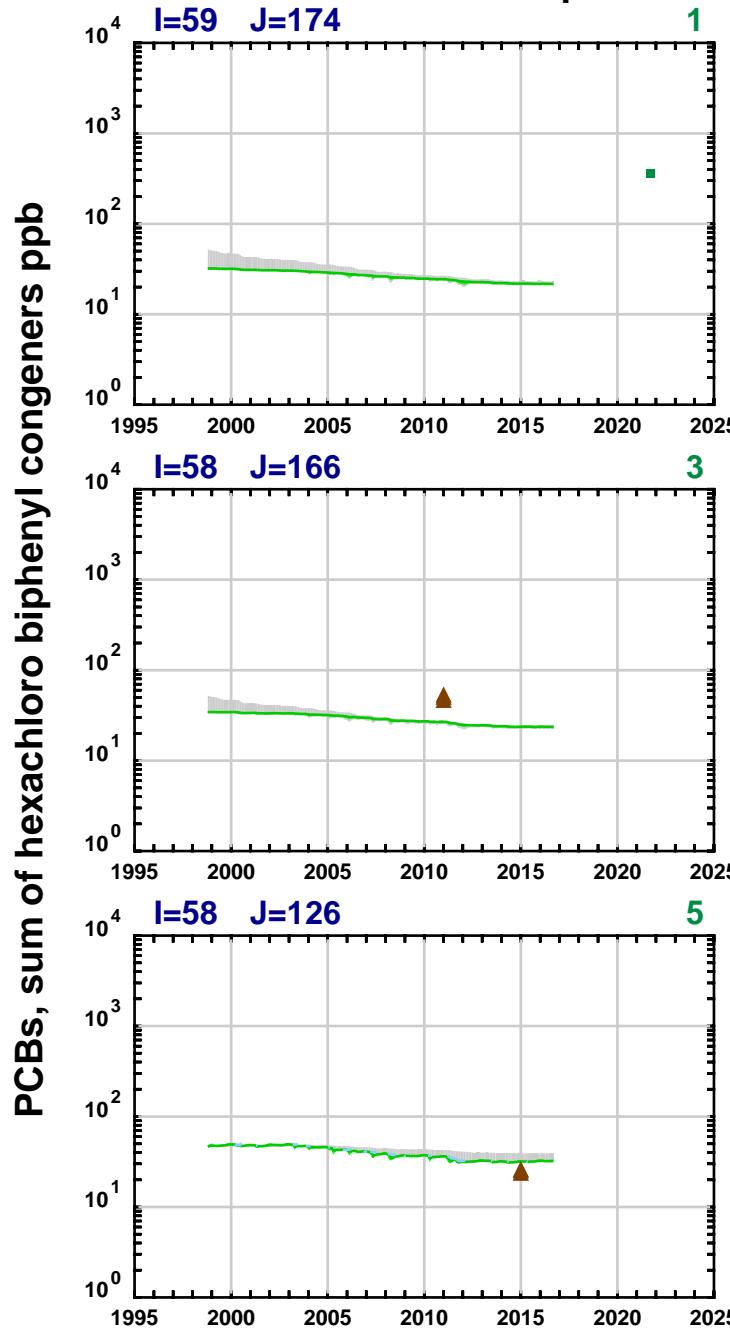
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



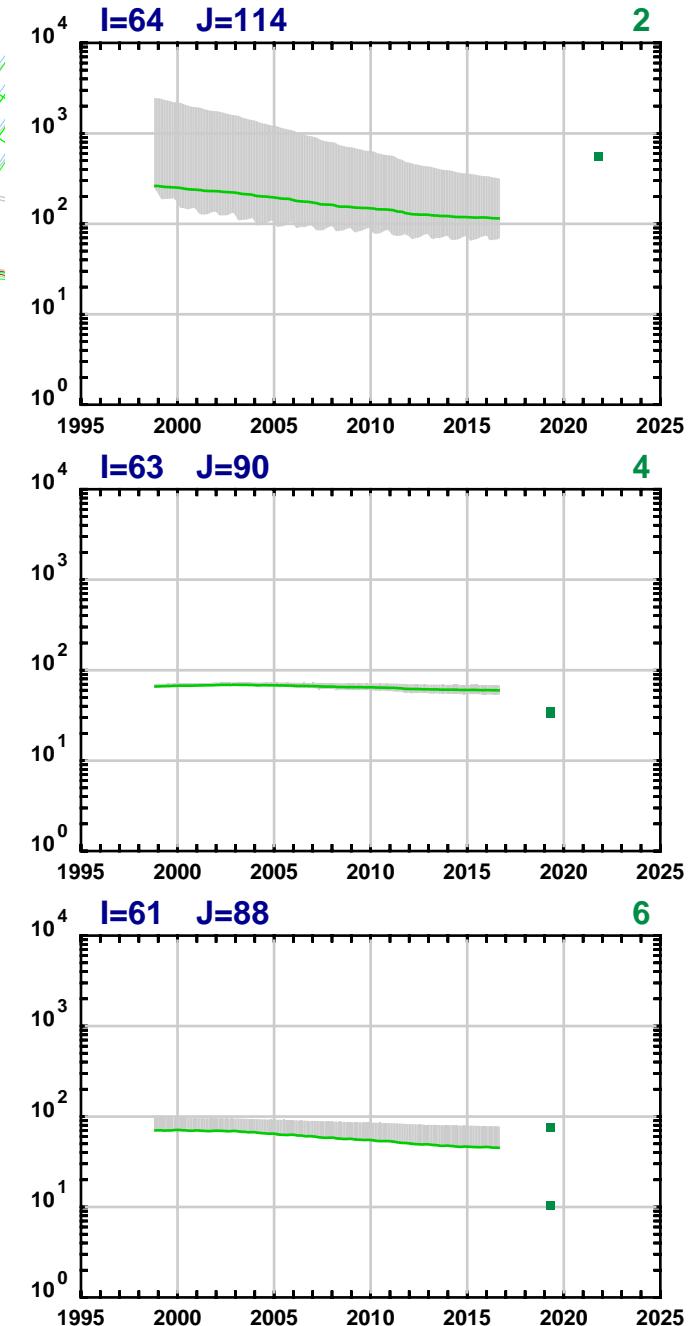
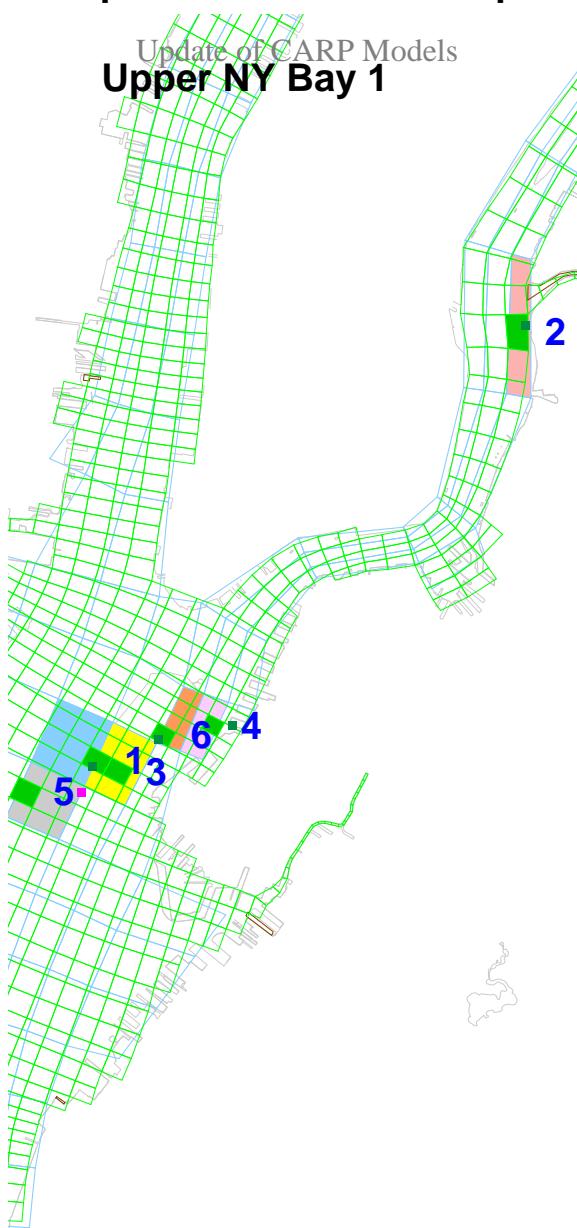
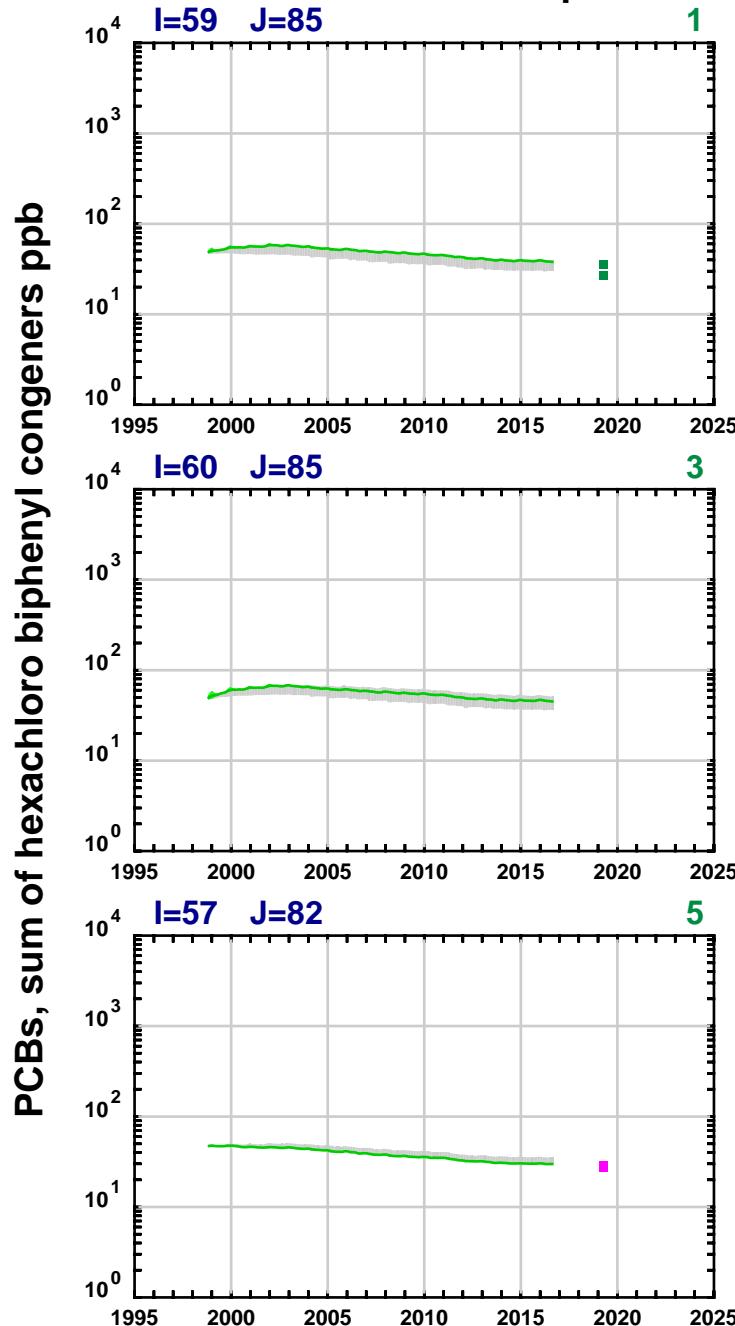
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

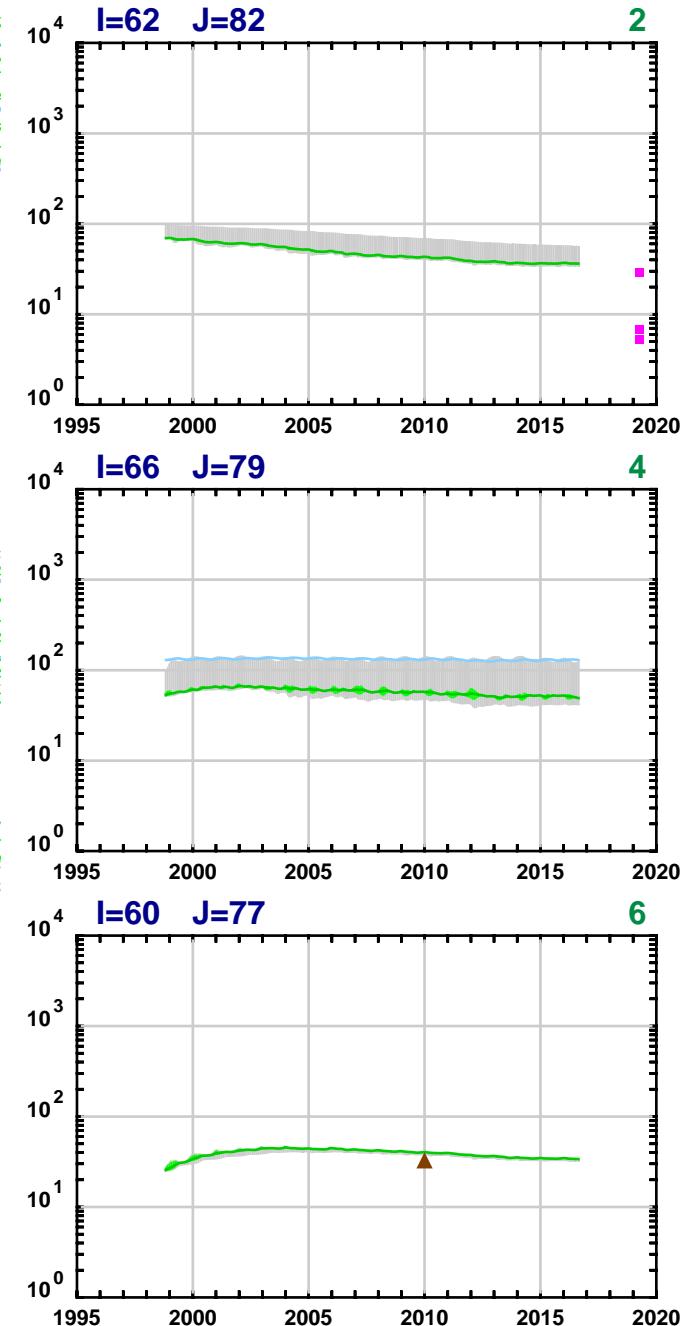
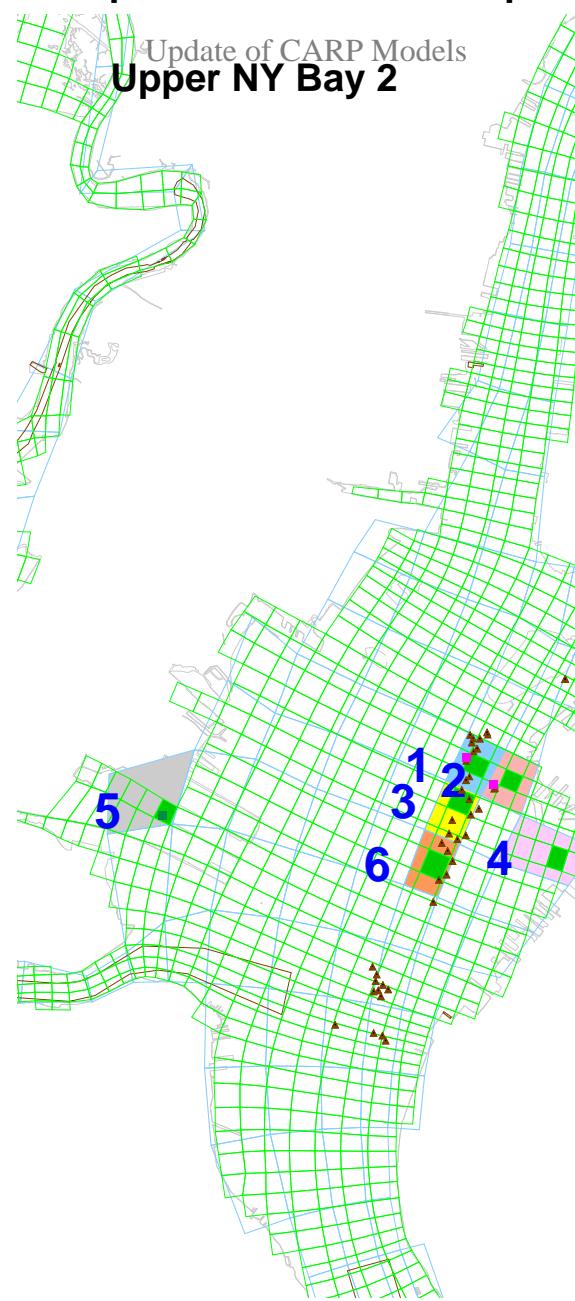
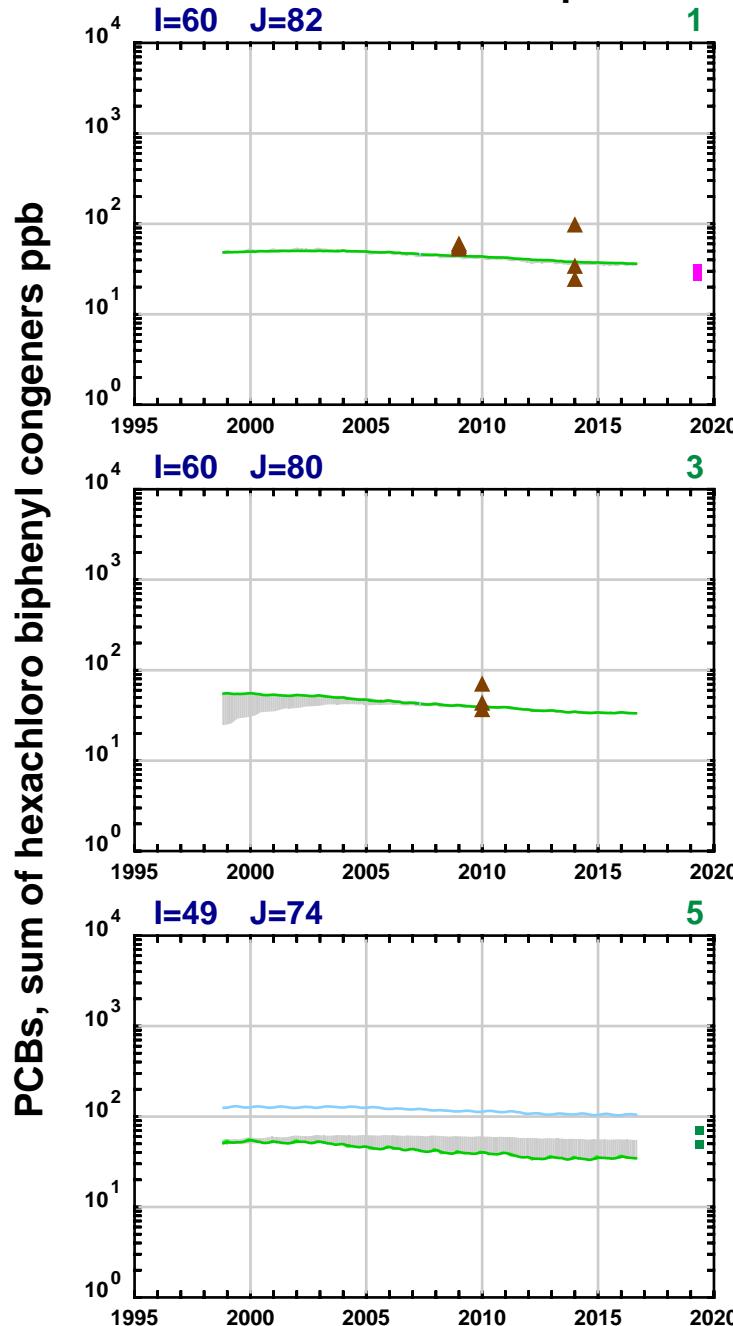


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

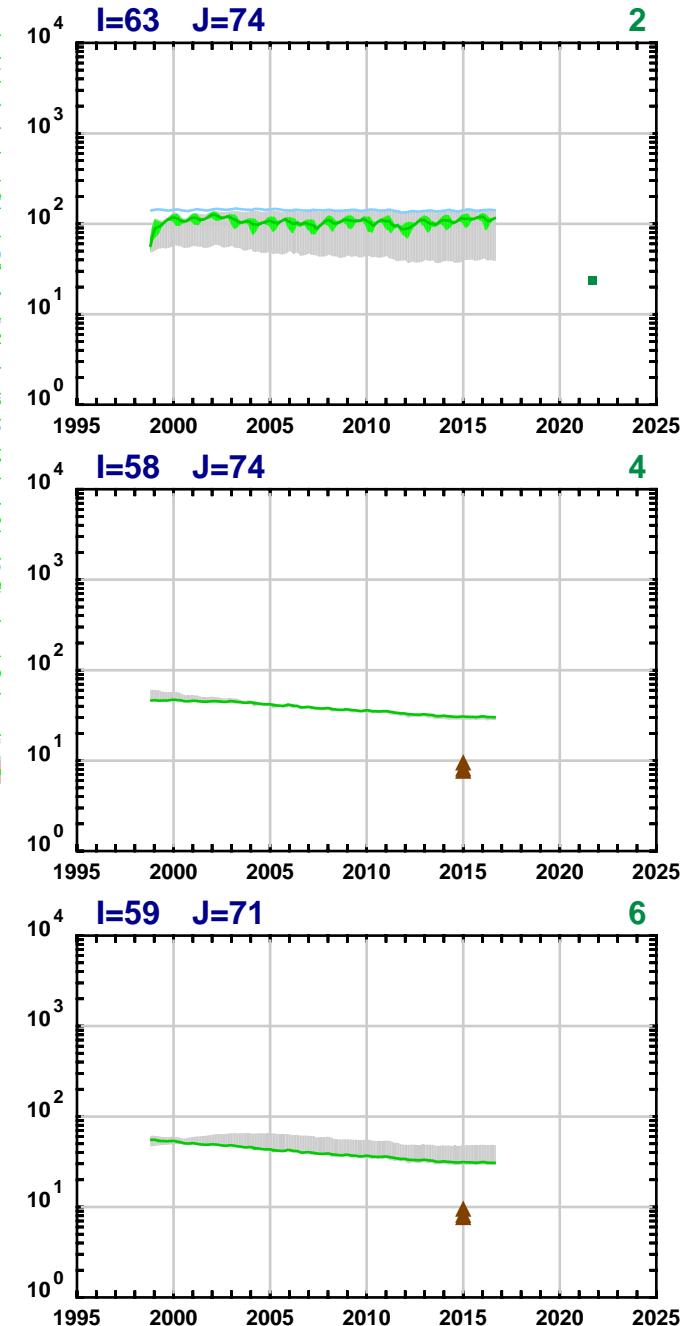
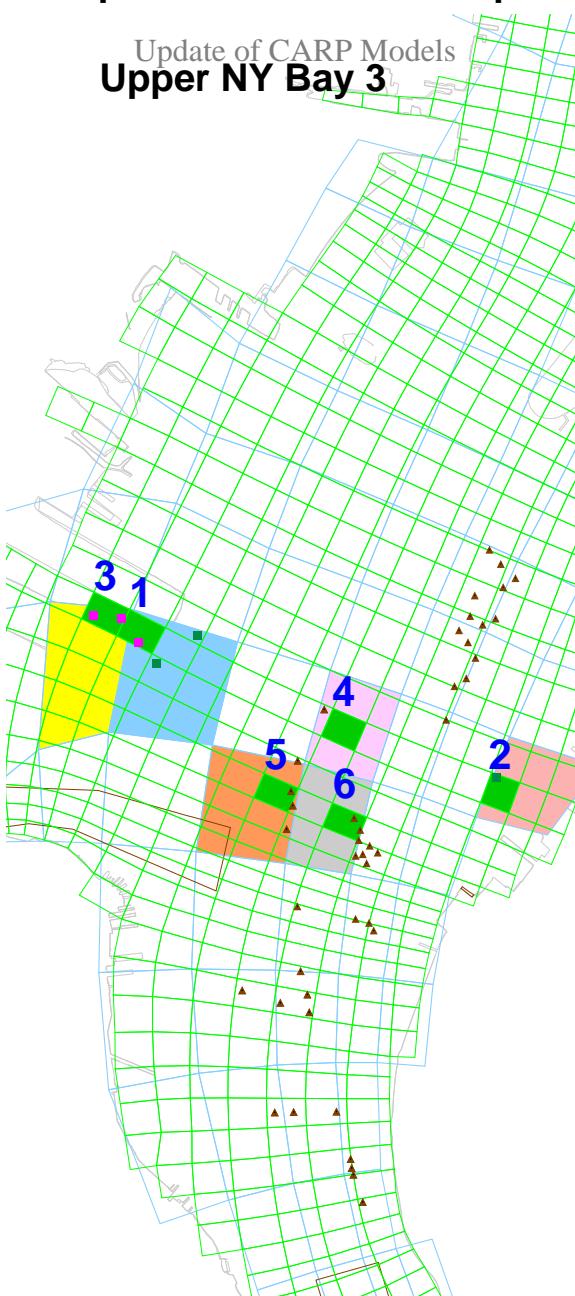
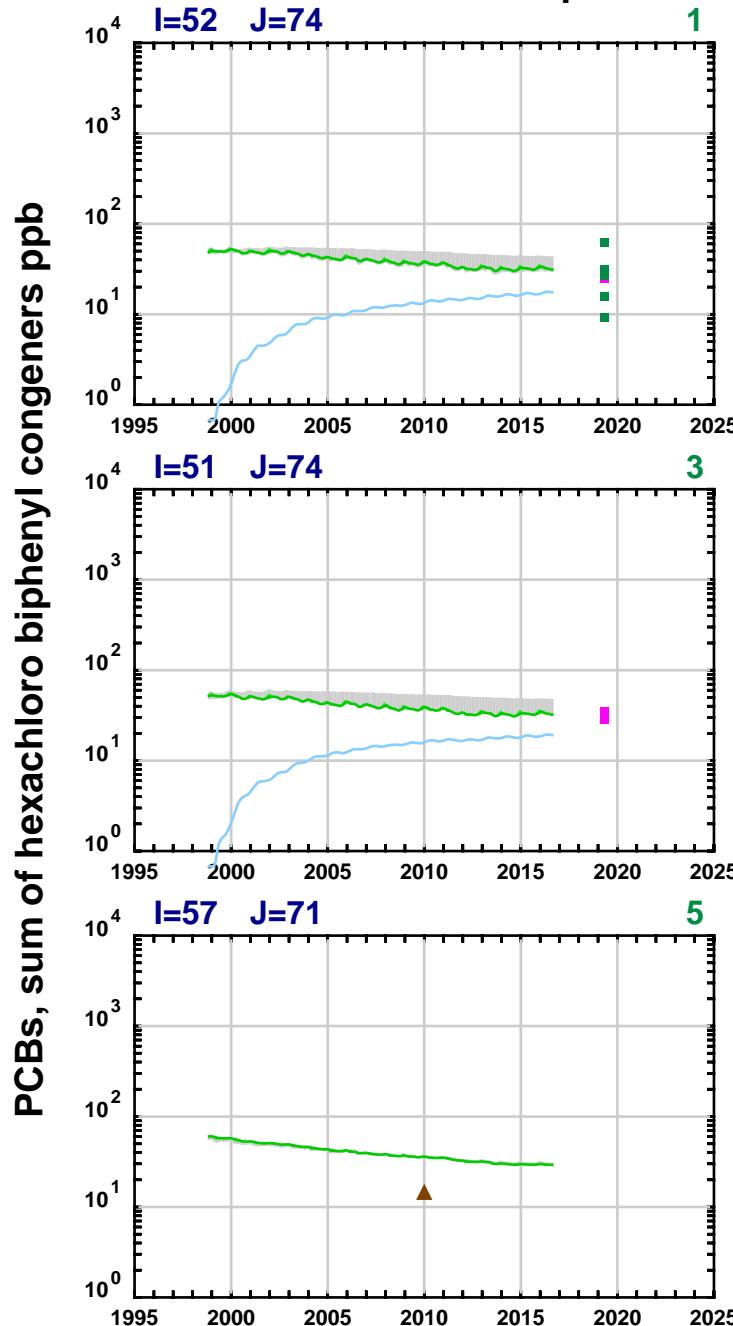


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

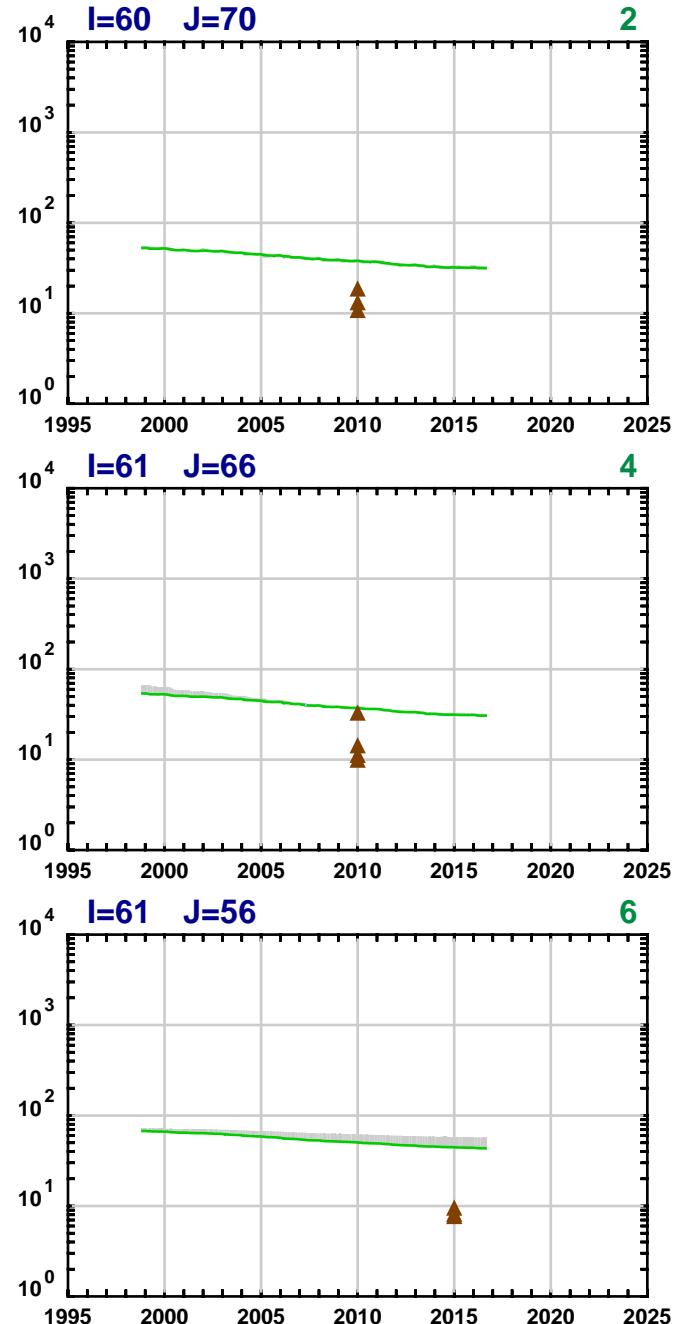
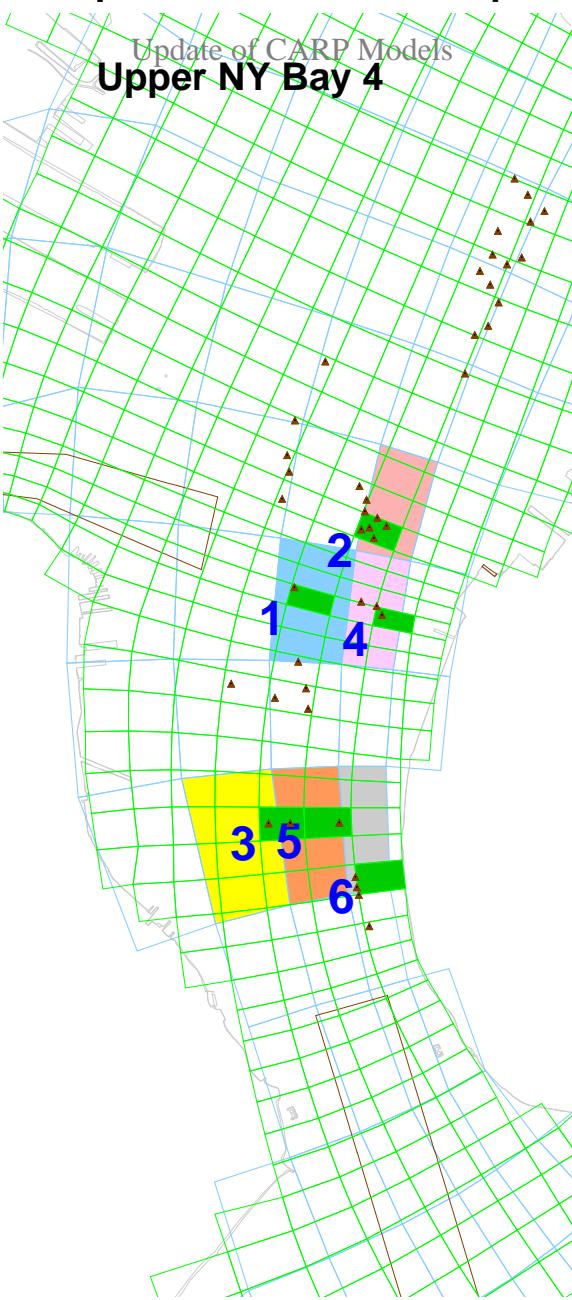
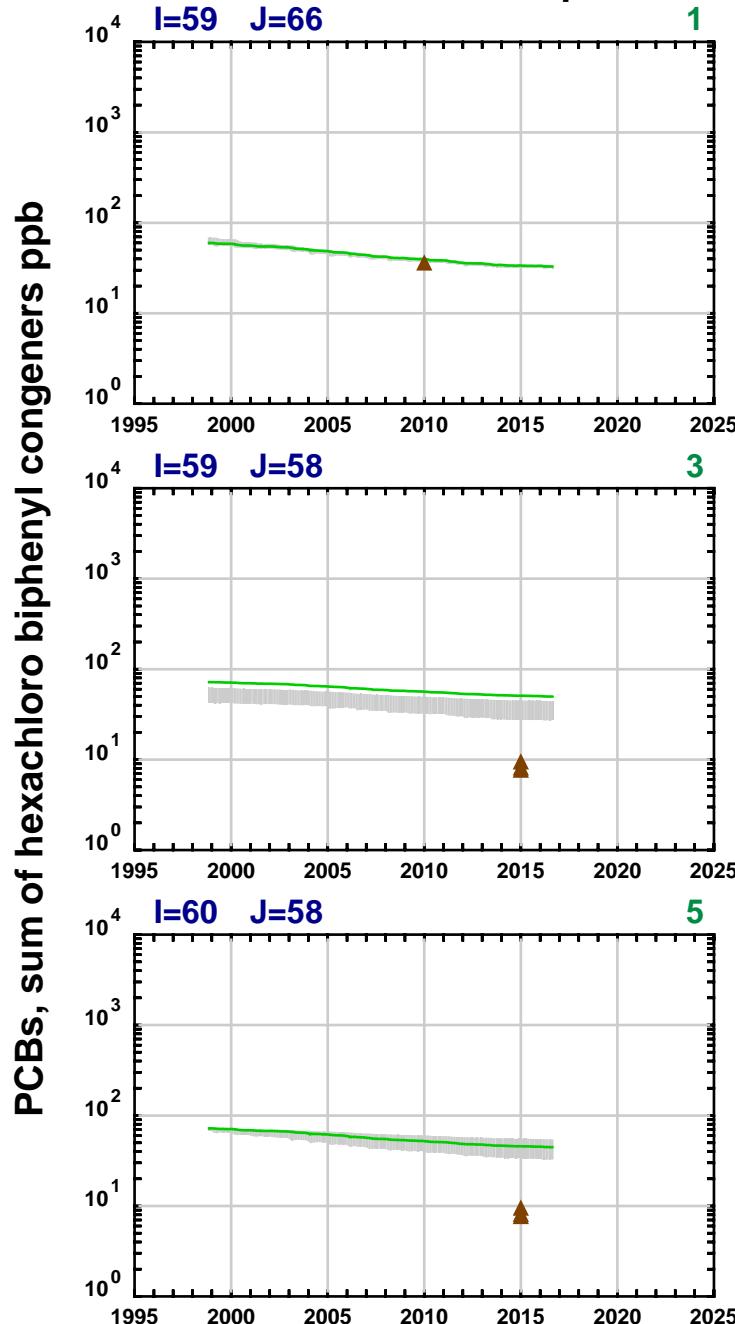


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

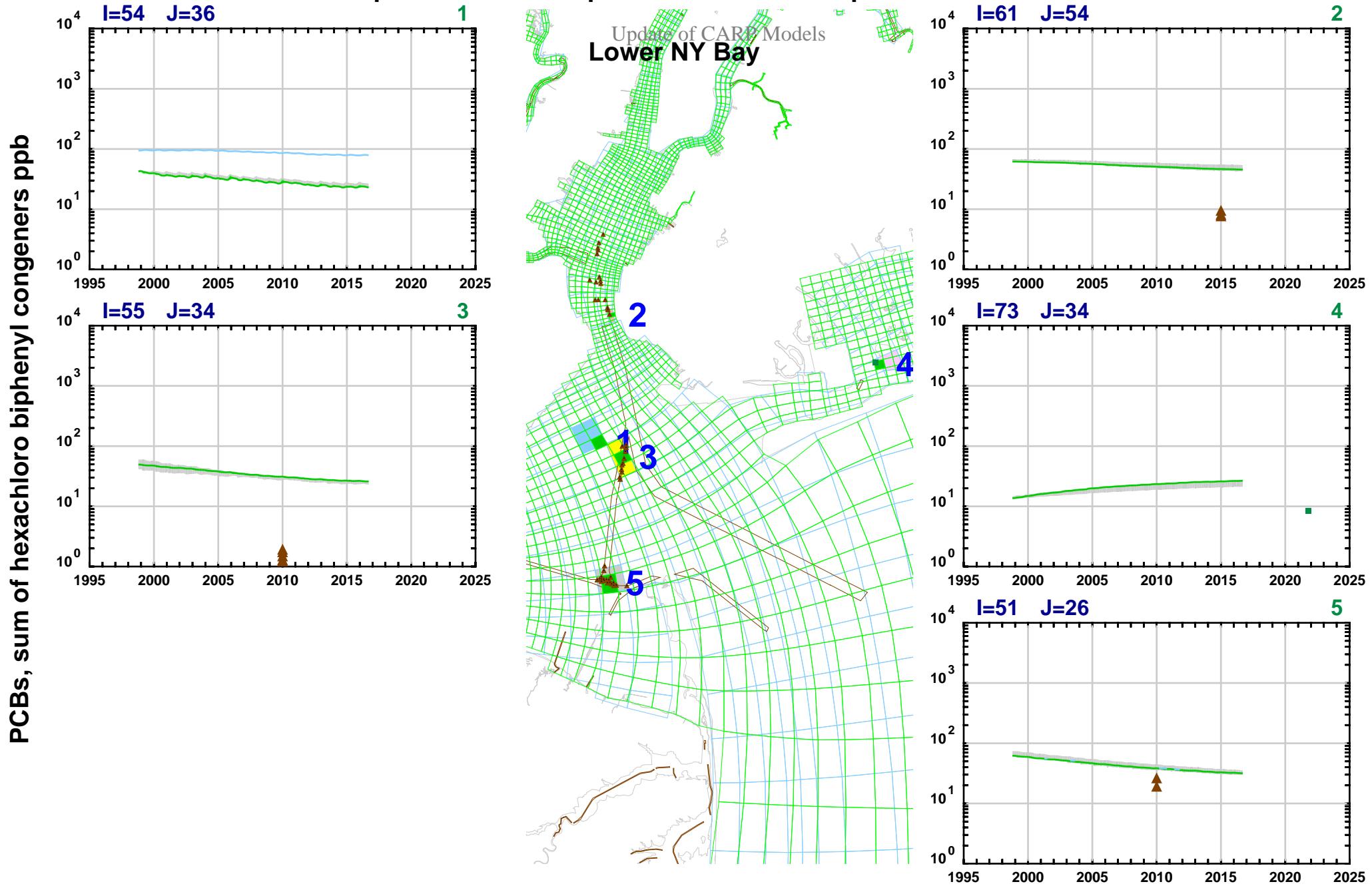
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



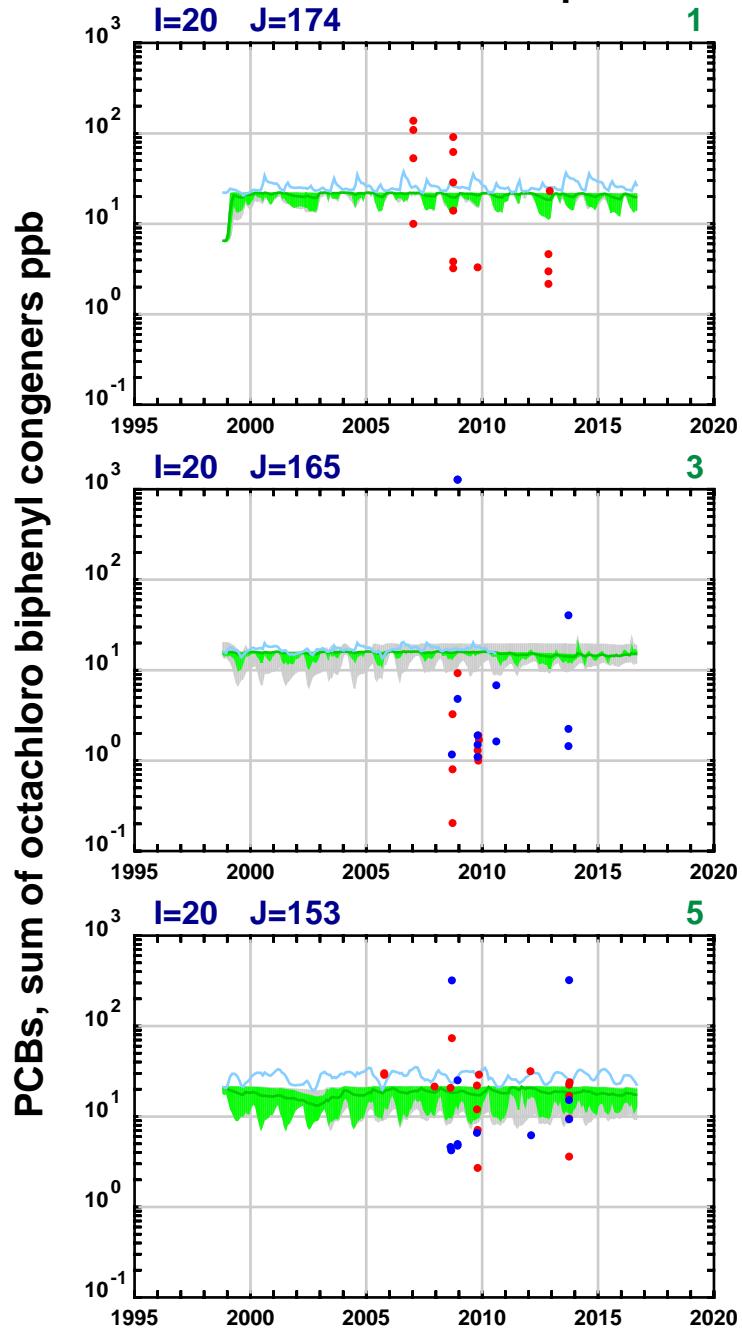
RUN18

Model: mean and range of values in top sediment

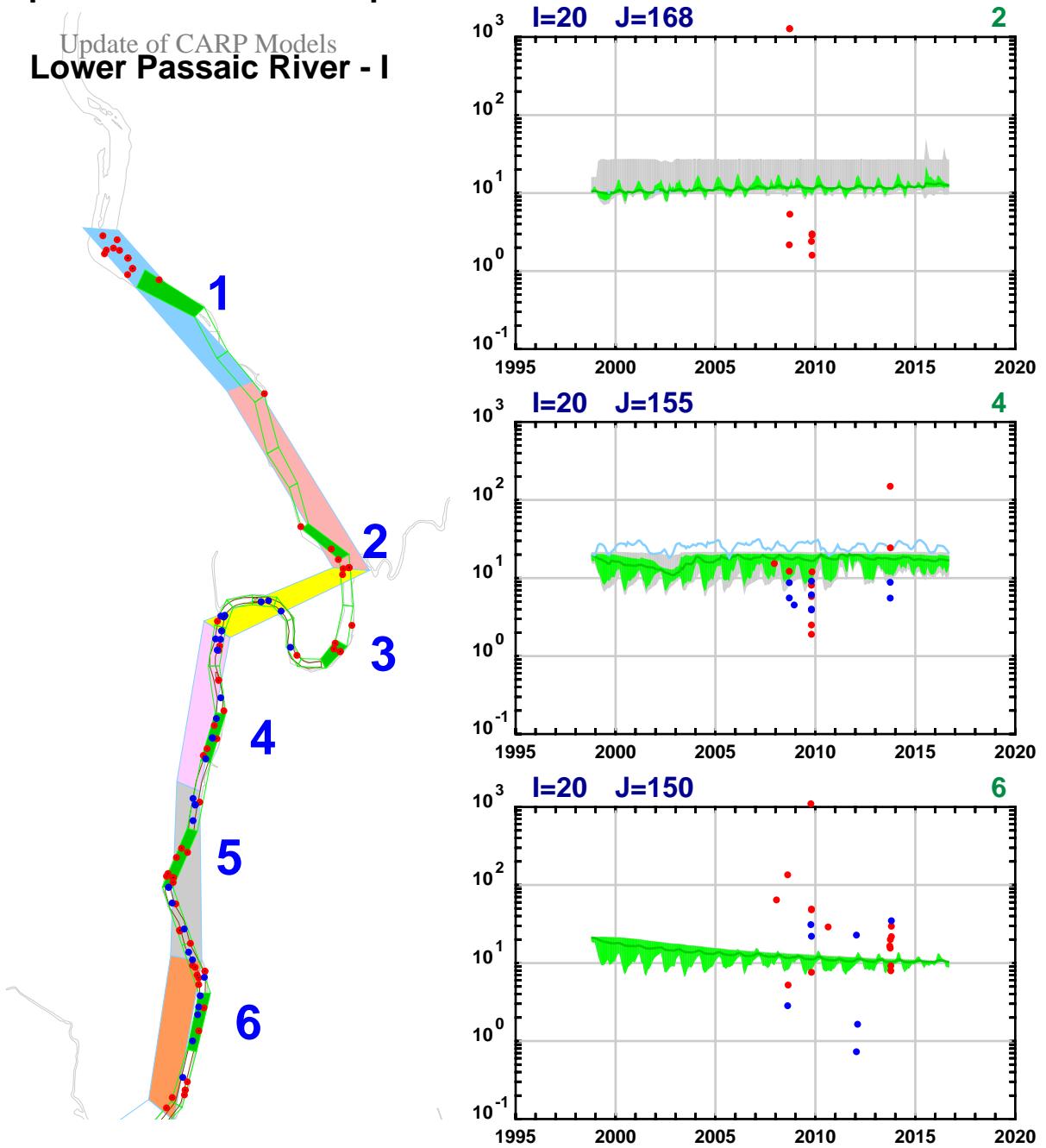
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I

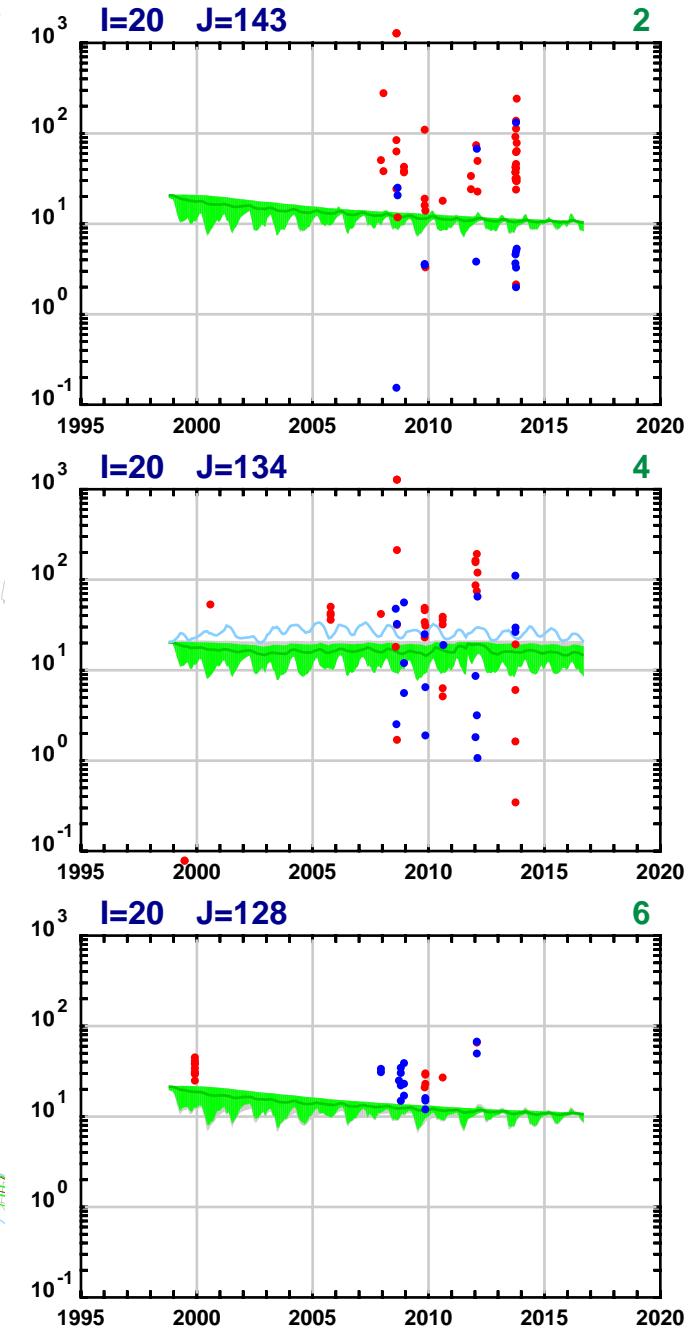
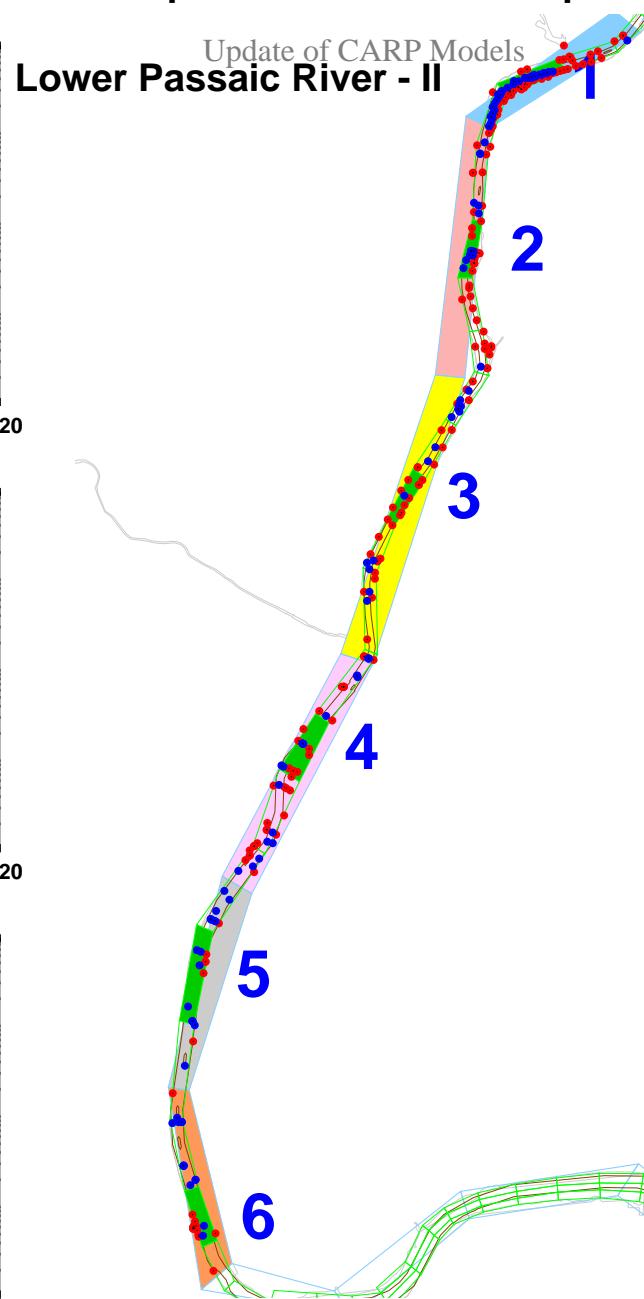
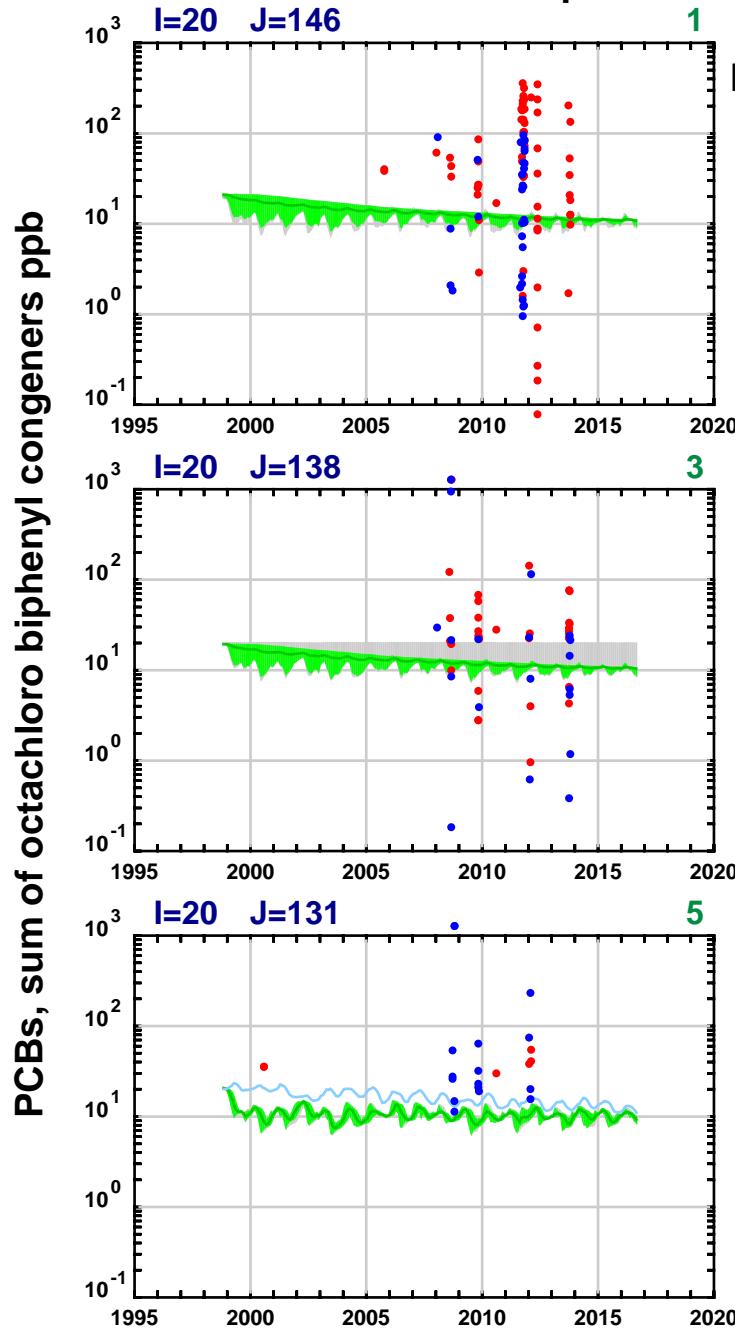


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

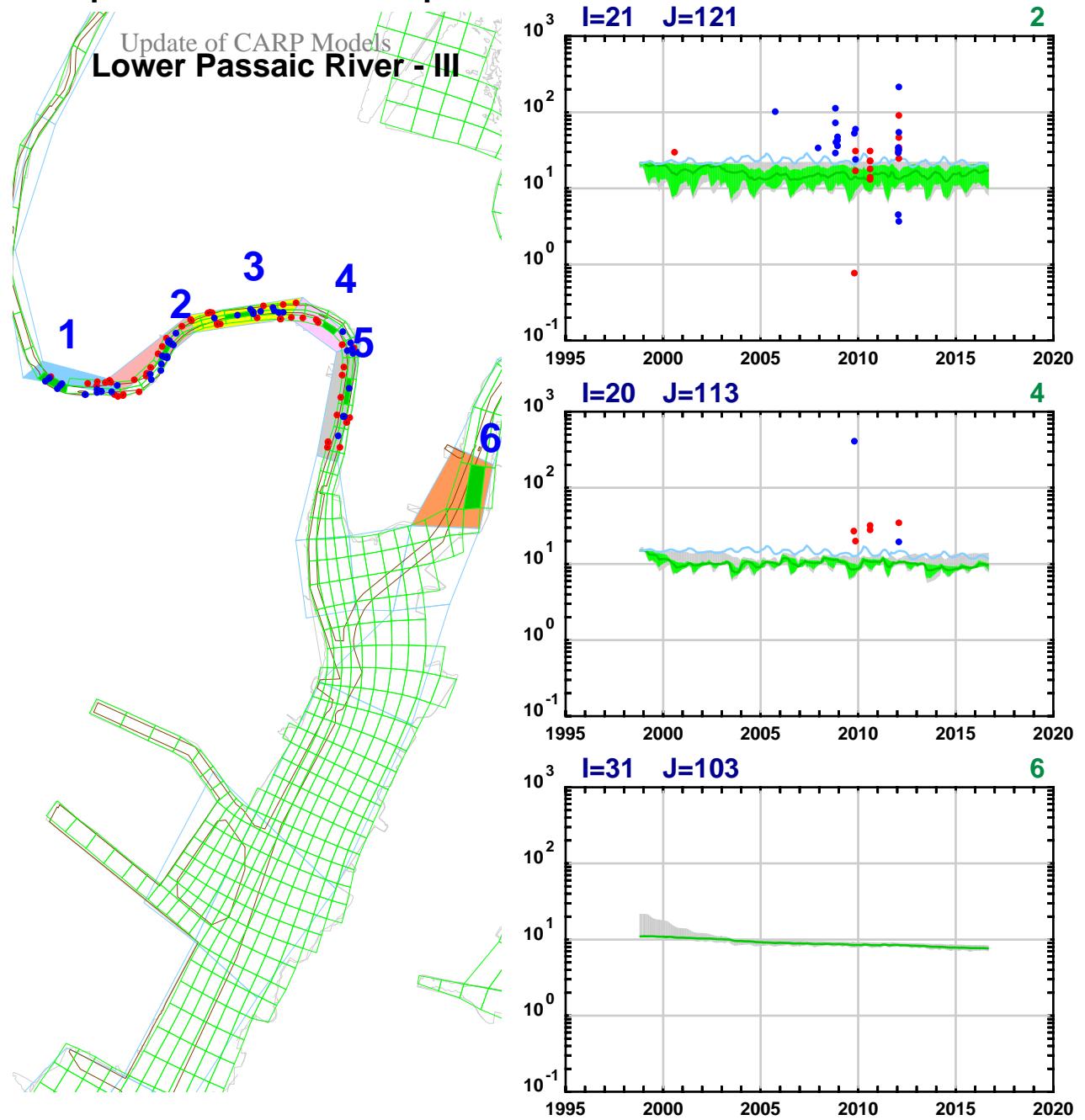
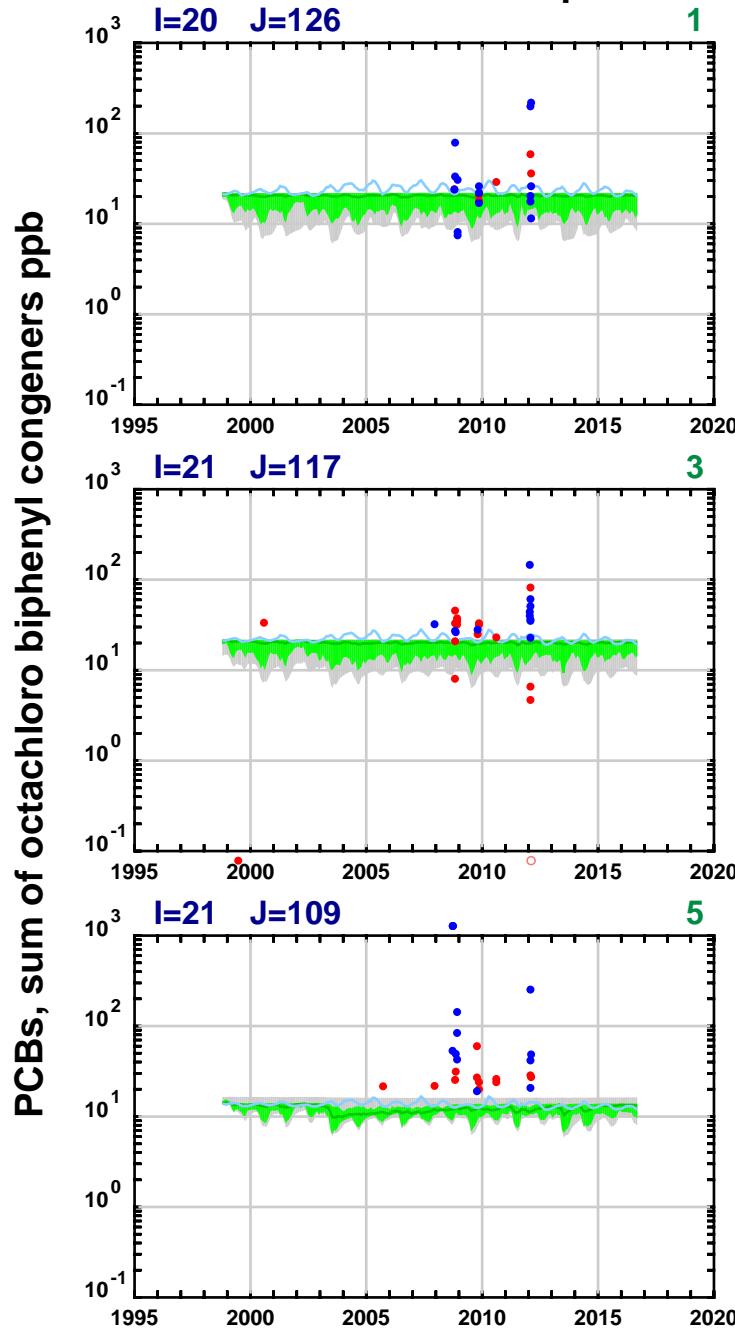


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



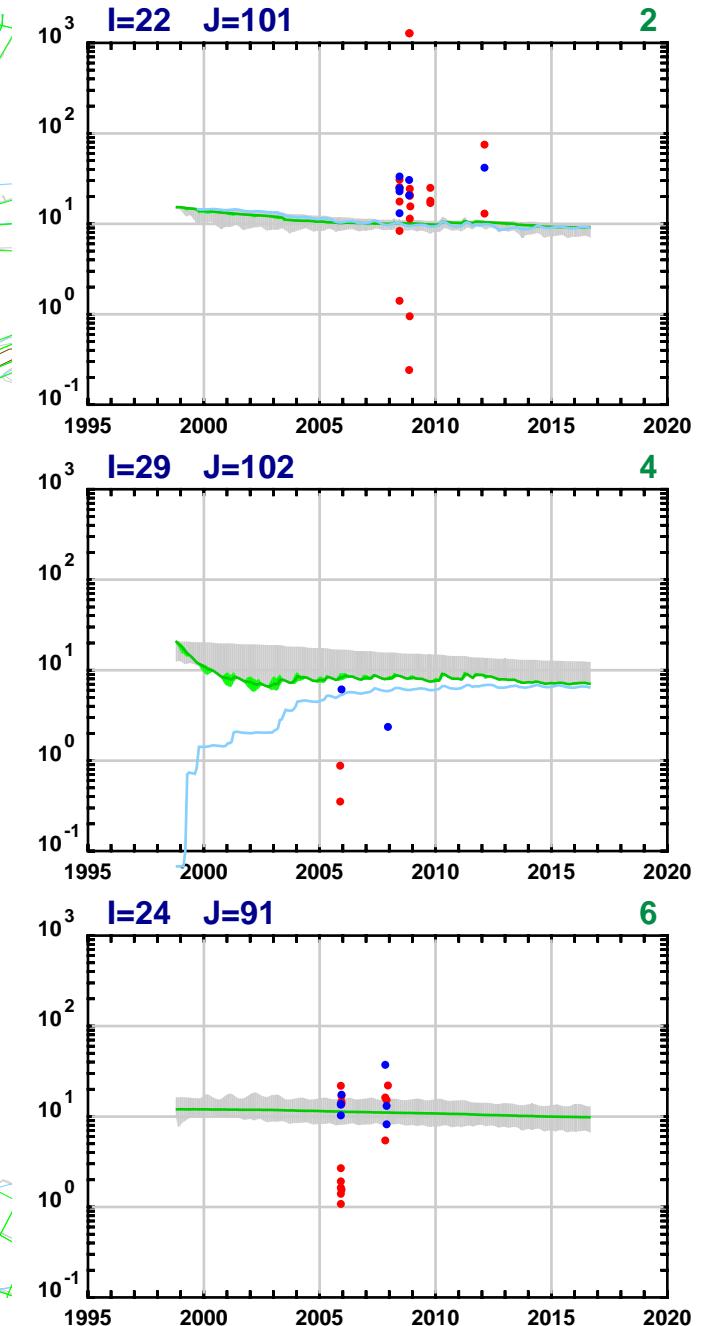
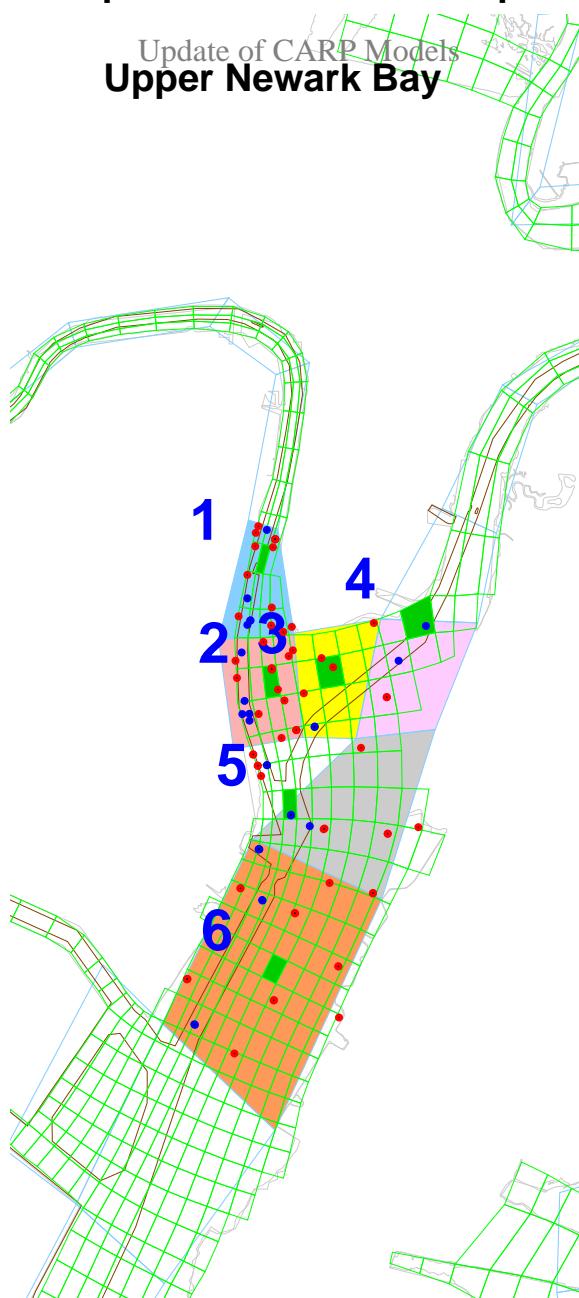
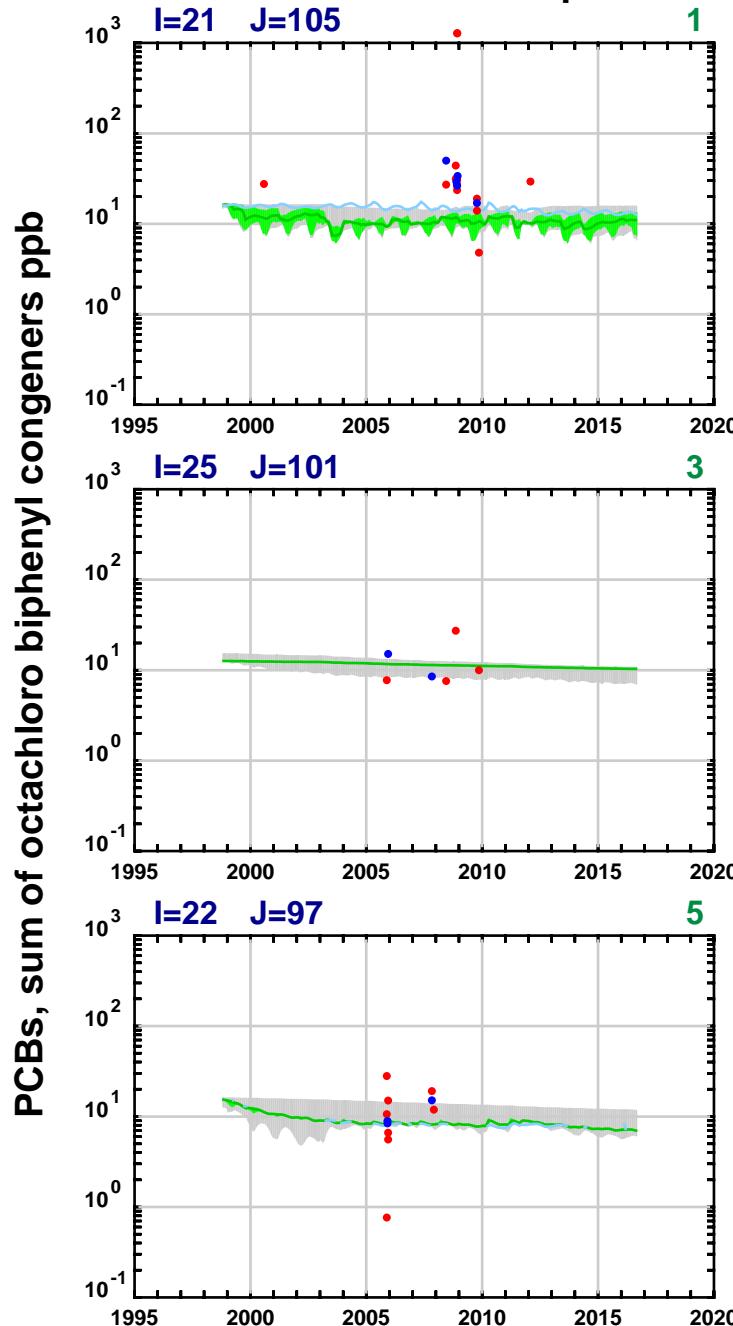
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Appendix 13 Page 84 of 225

- In-channel data (Blue circle)
- Off-channel data (Red circle)
- Dredge data (Brown triangle)
- CARP2 In-channel (Pink square)
- CARP2 Off-channel (Green square)

Top 15 cm data comparison with model top 10 cm sediment

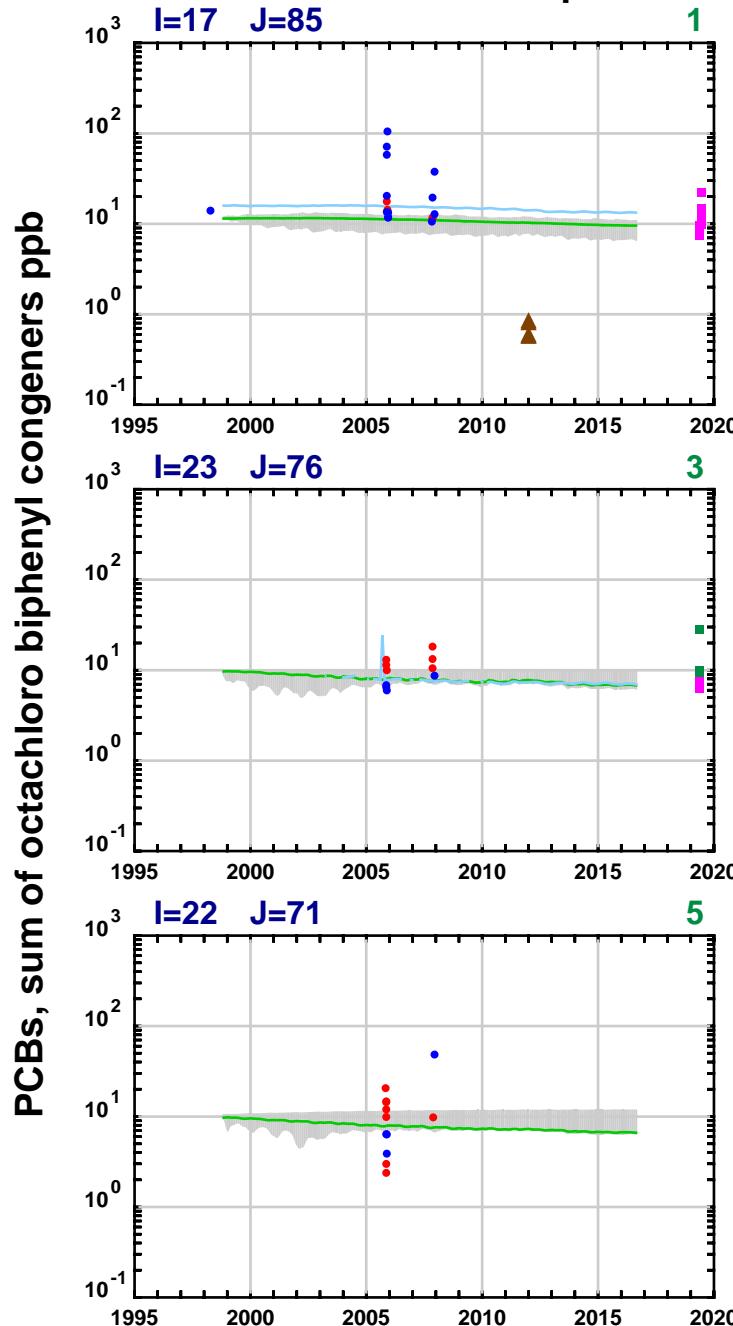


RUN18

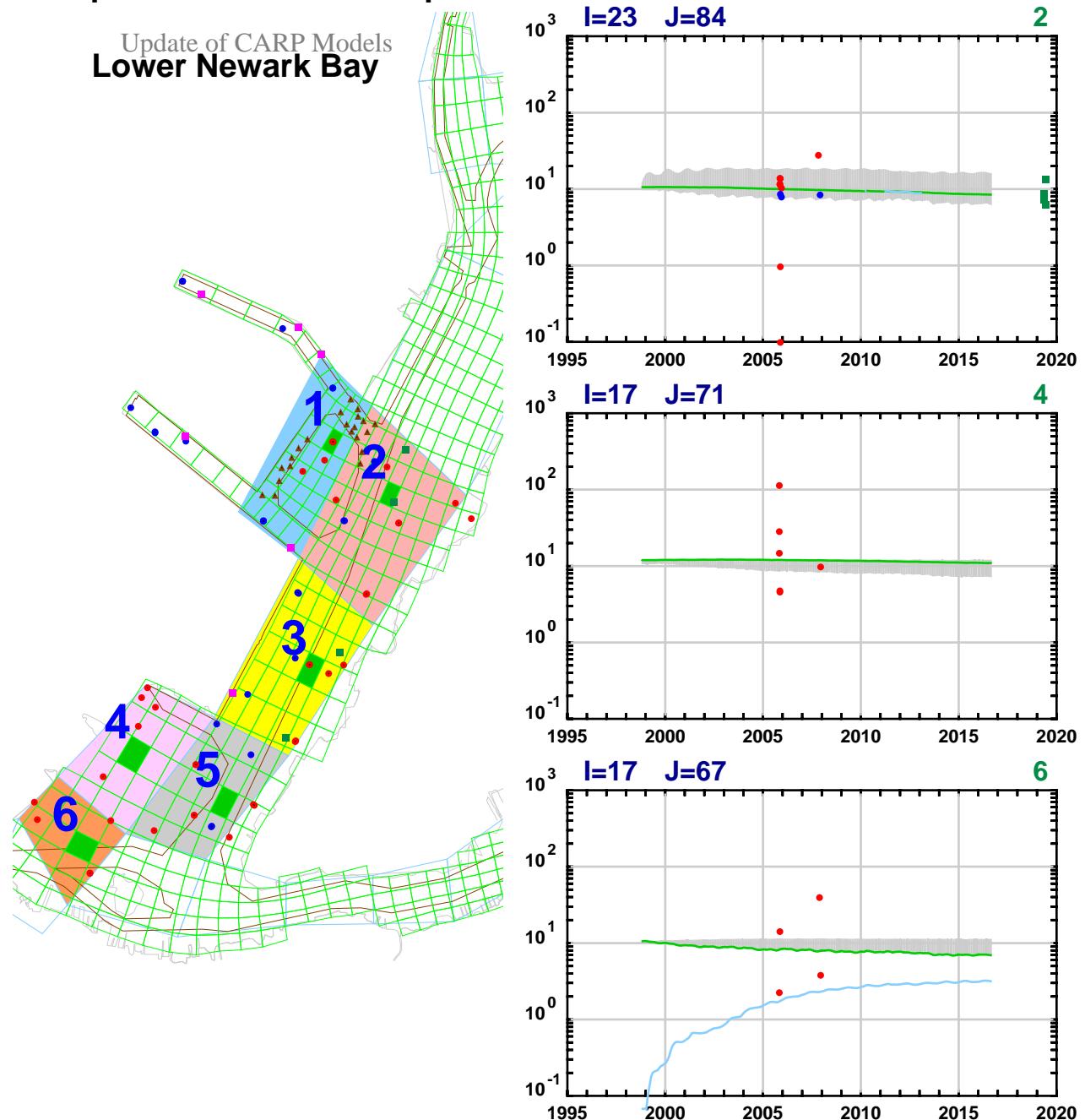
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay

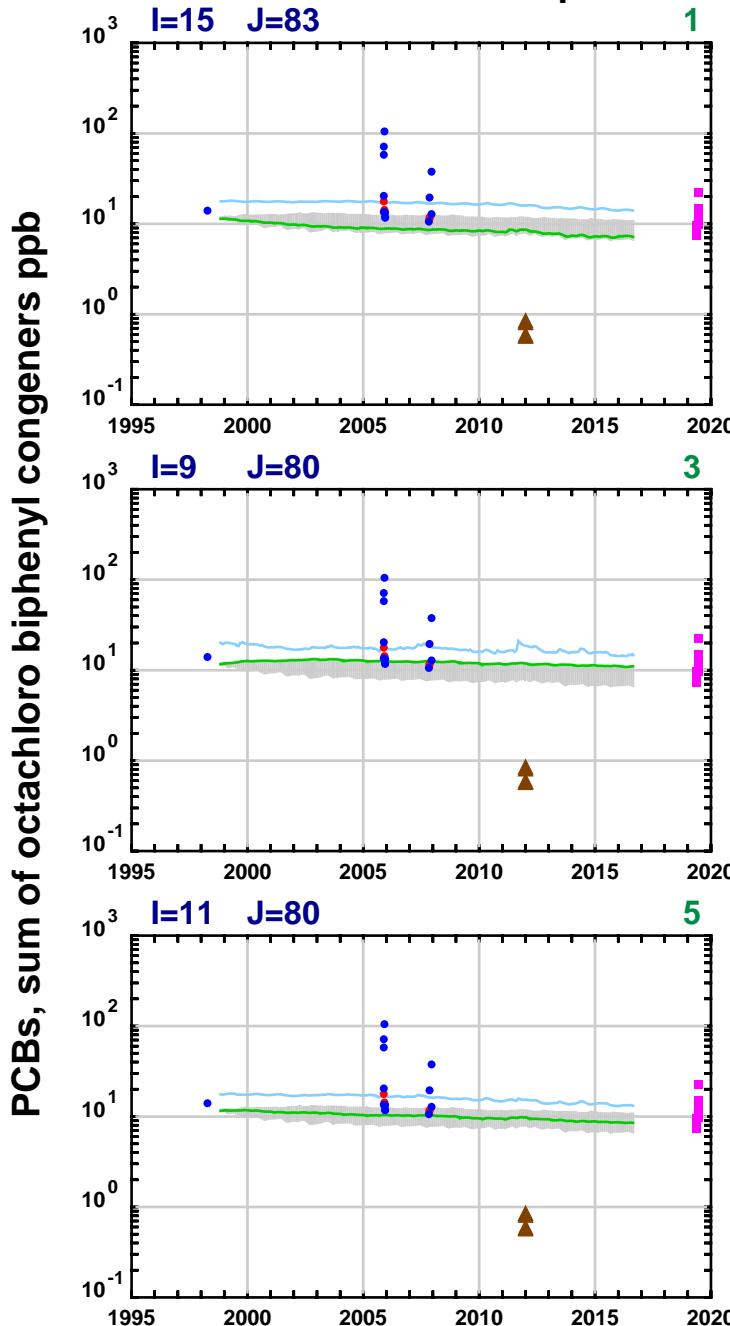


RUN18

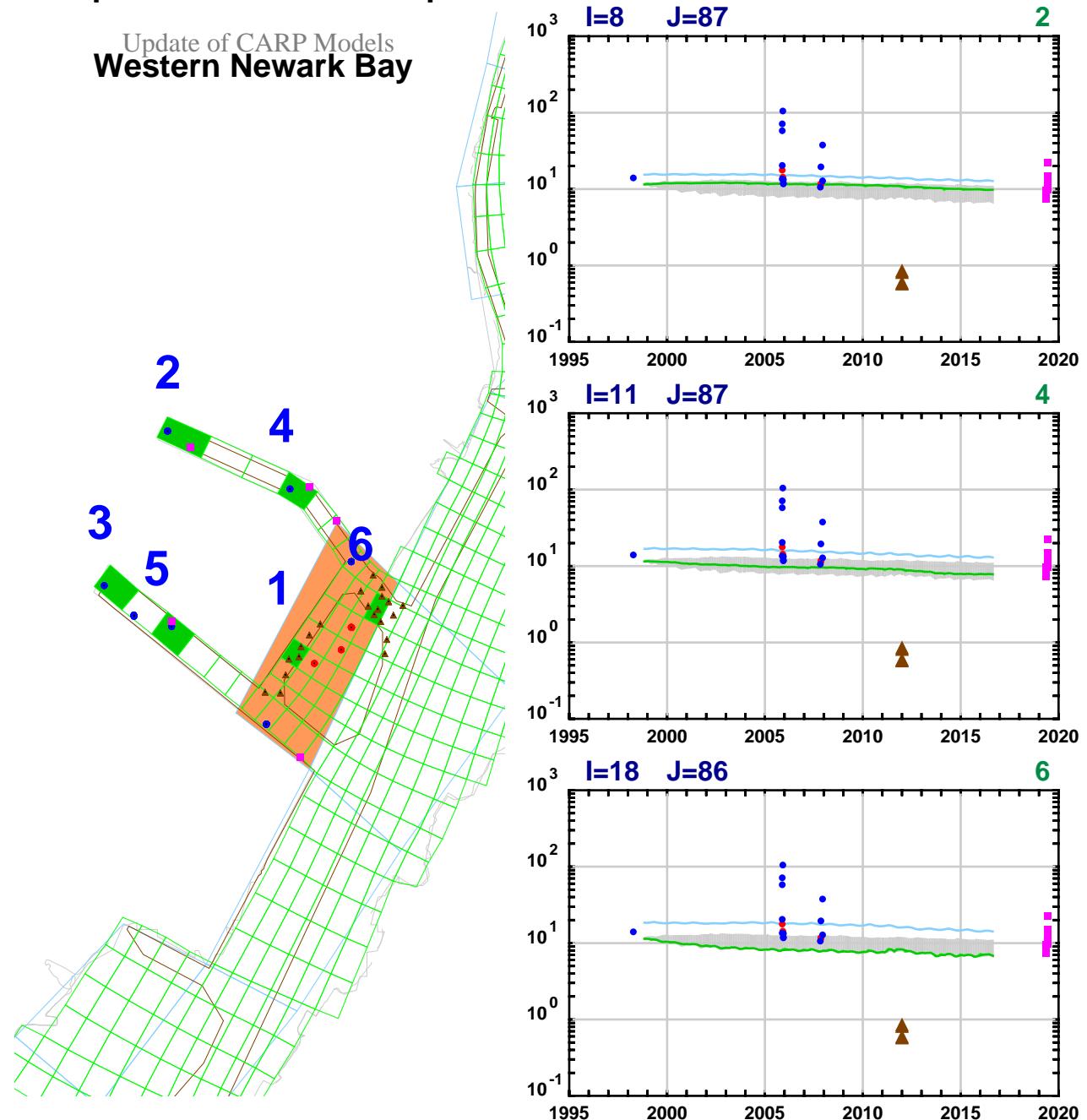
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay



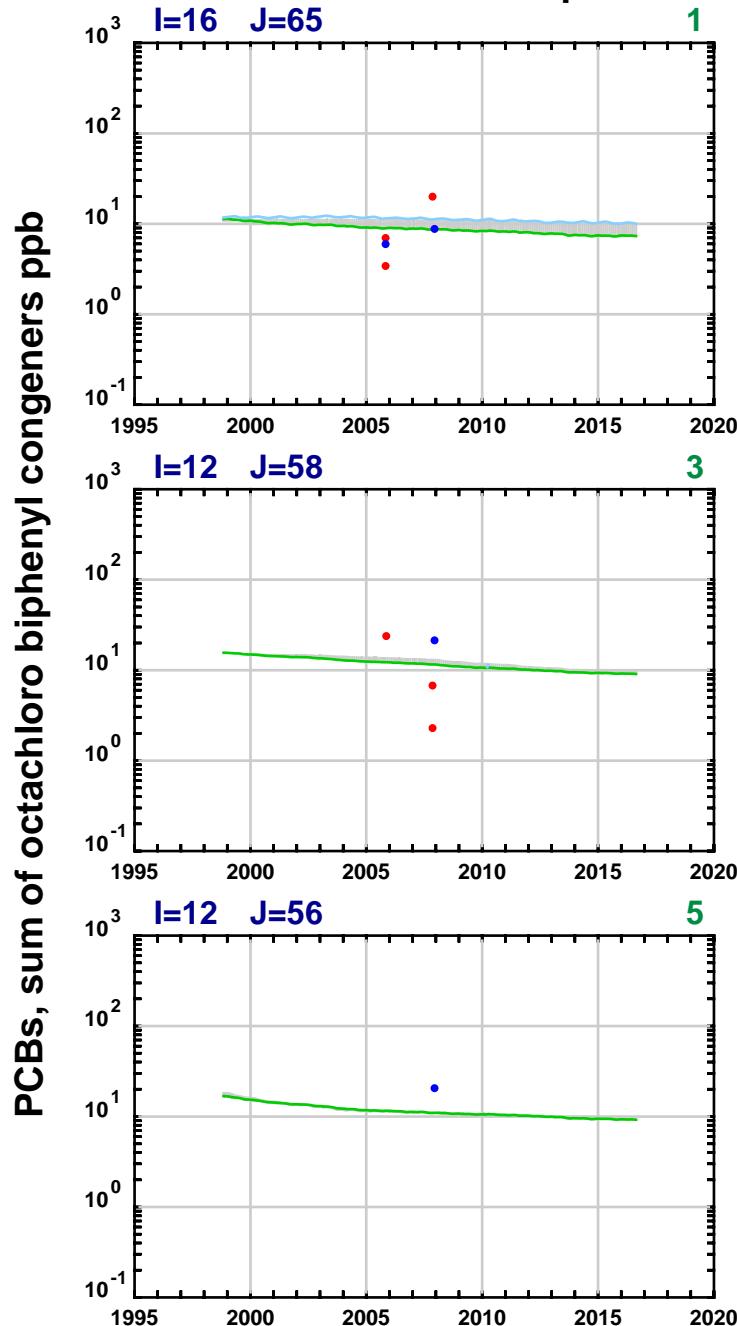
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

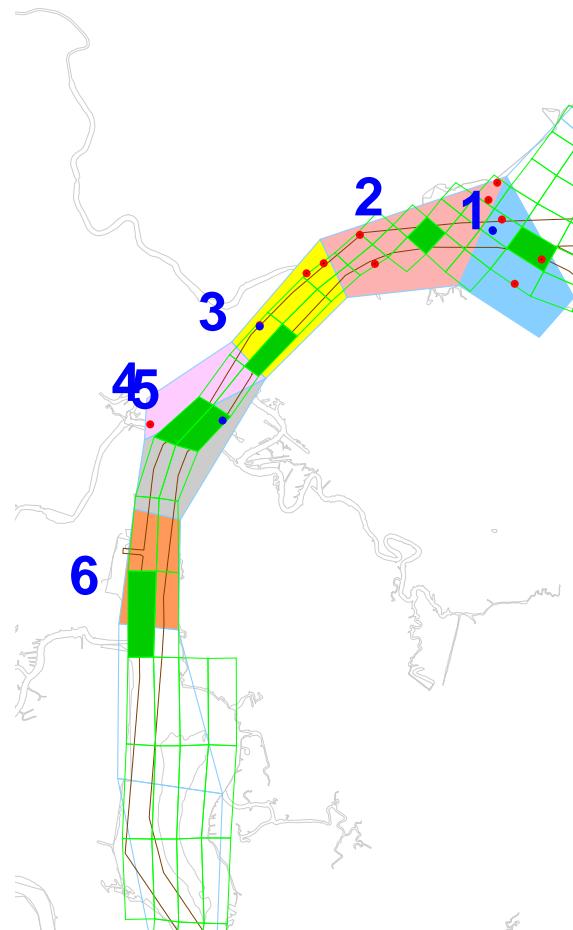
Appendix 13 Page 87 of 225

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1

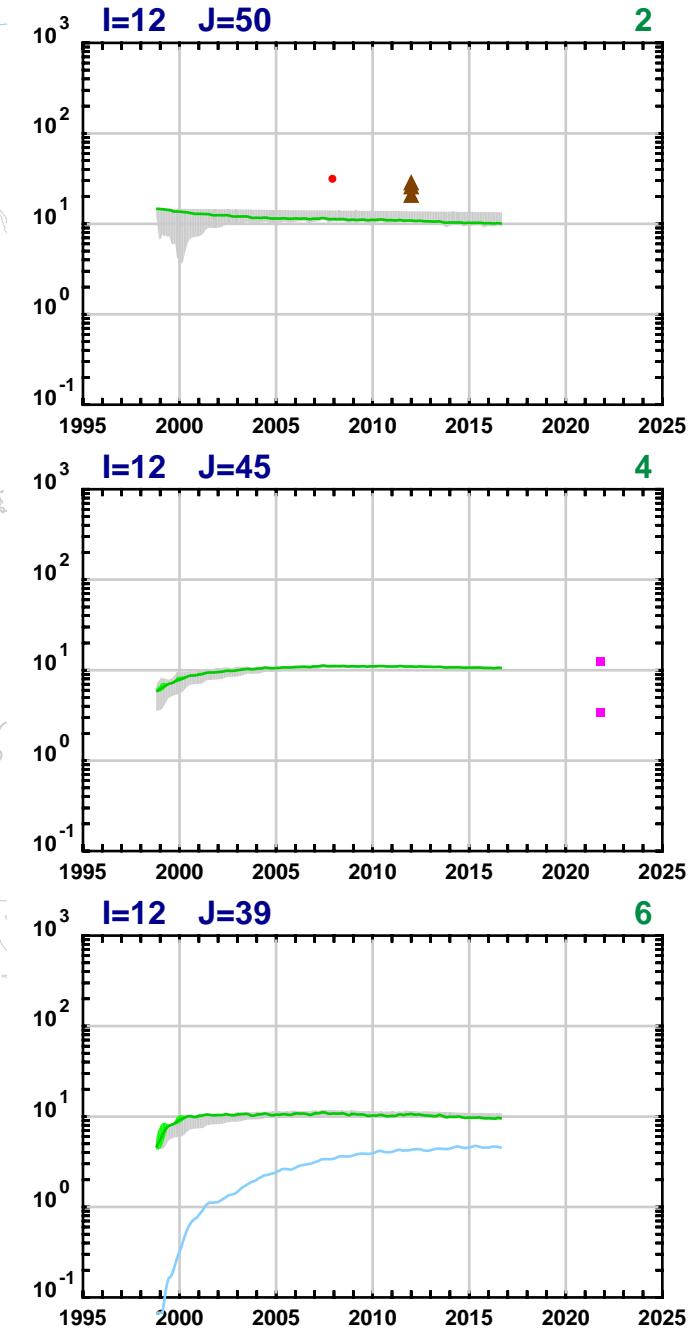
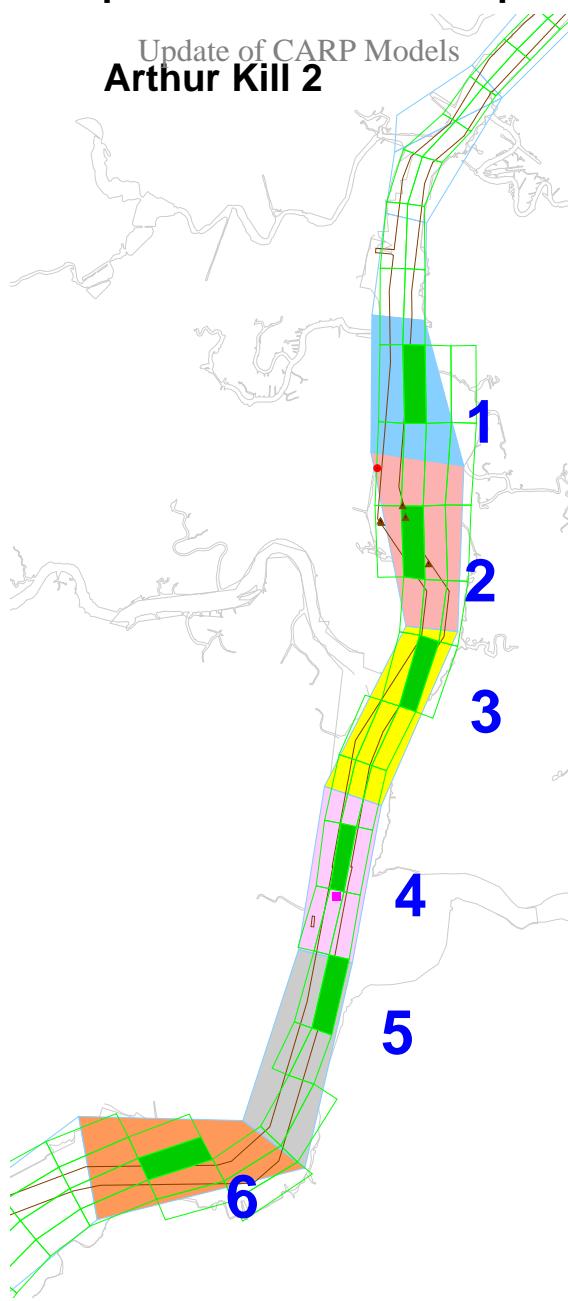
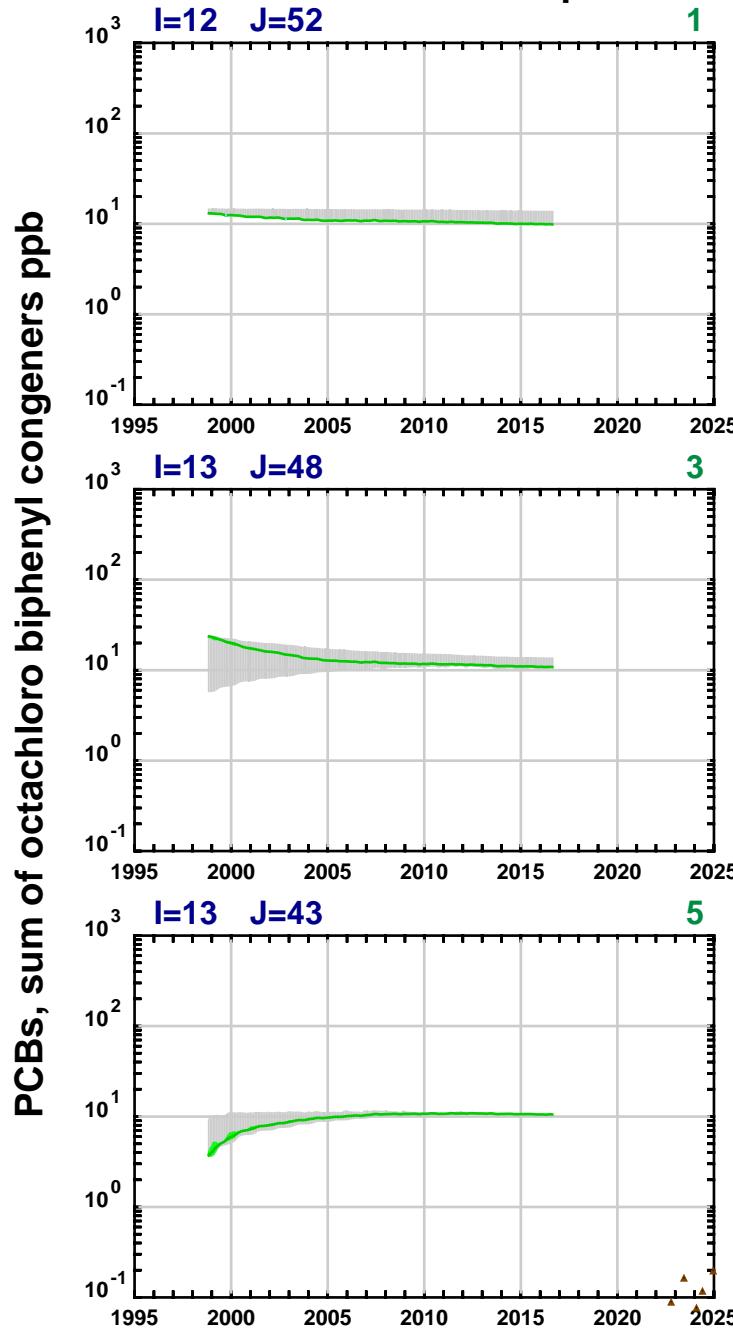


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

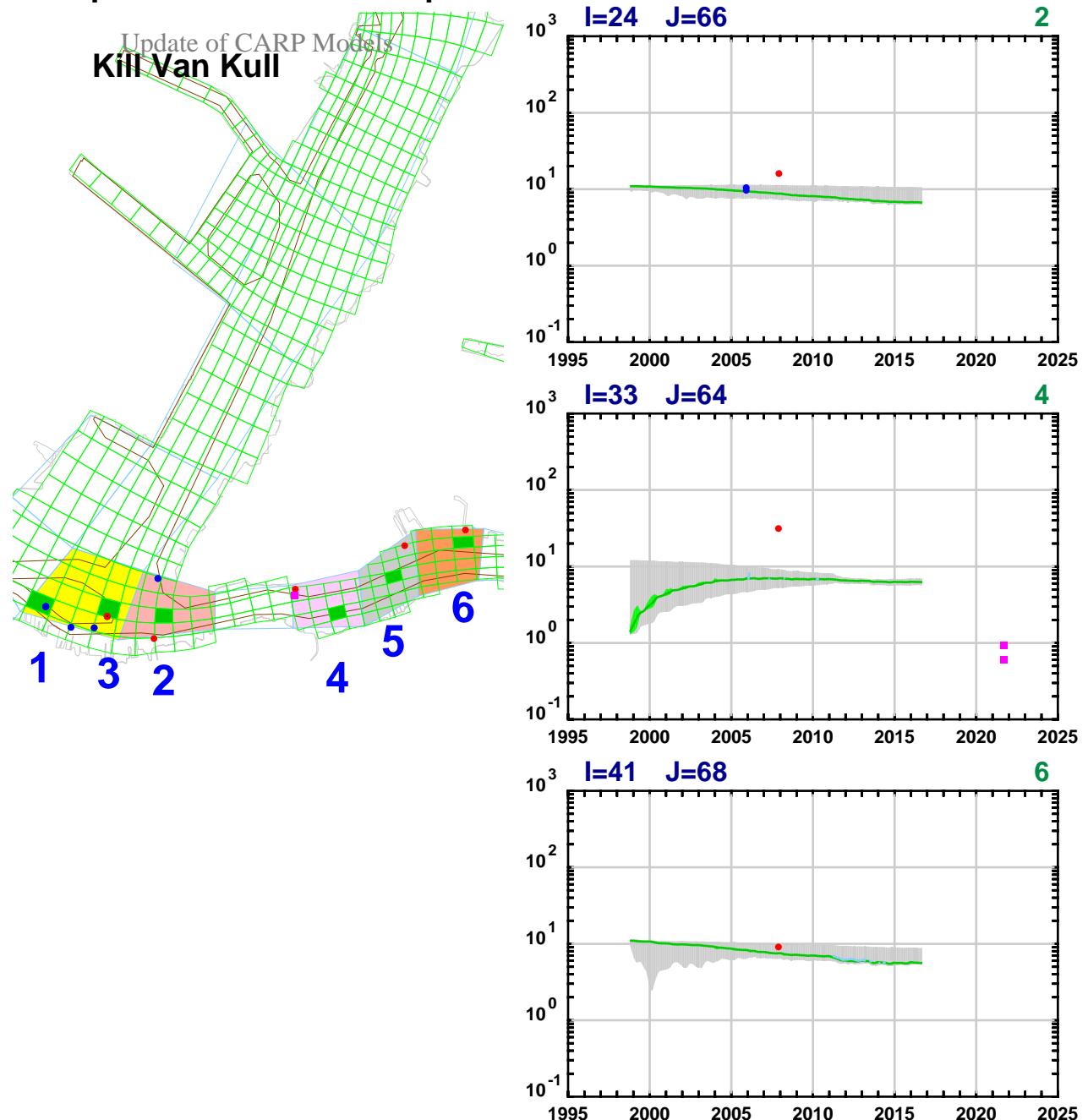
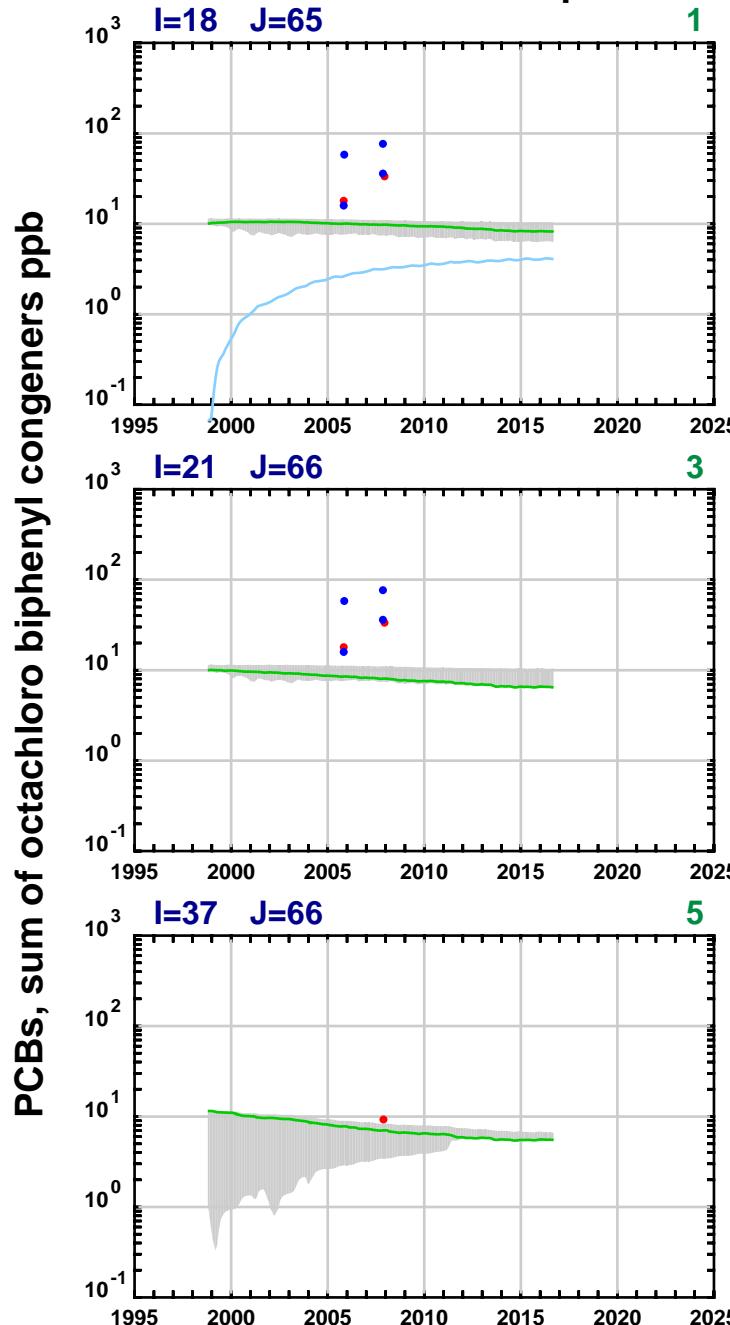


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



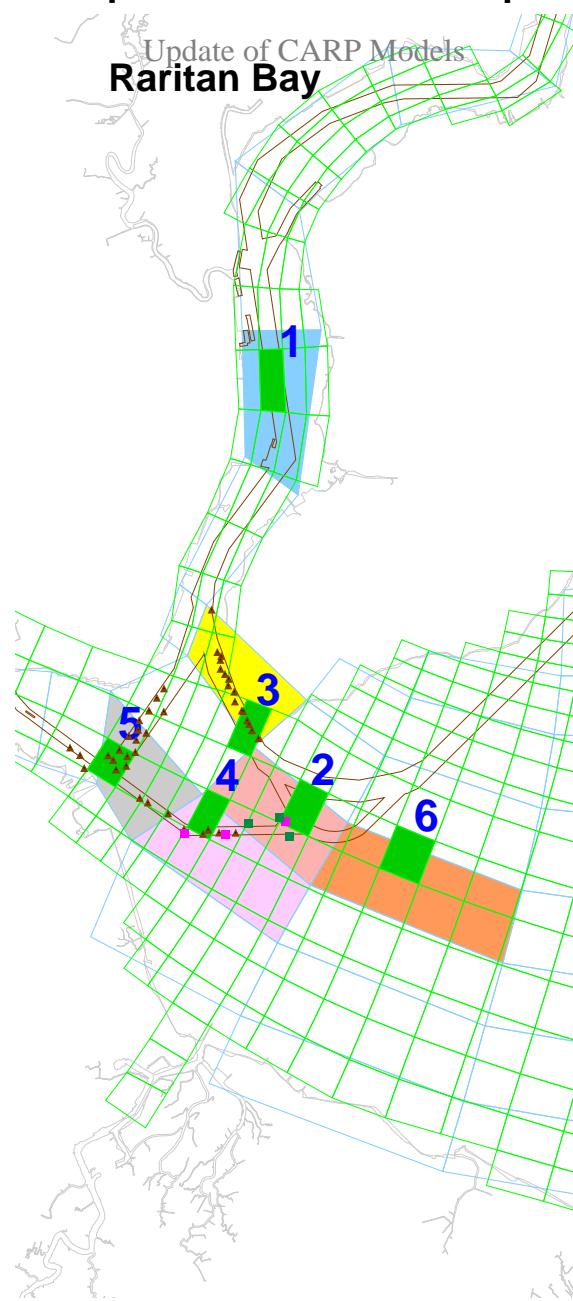
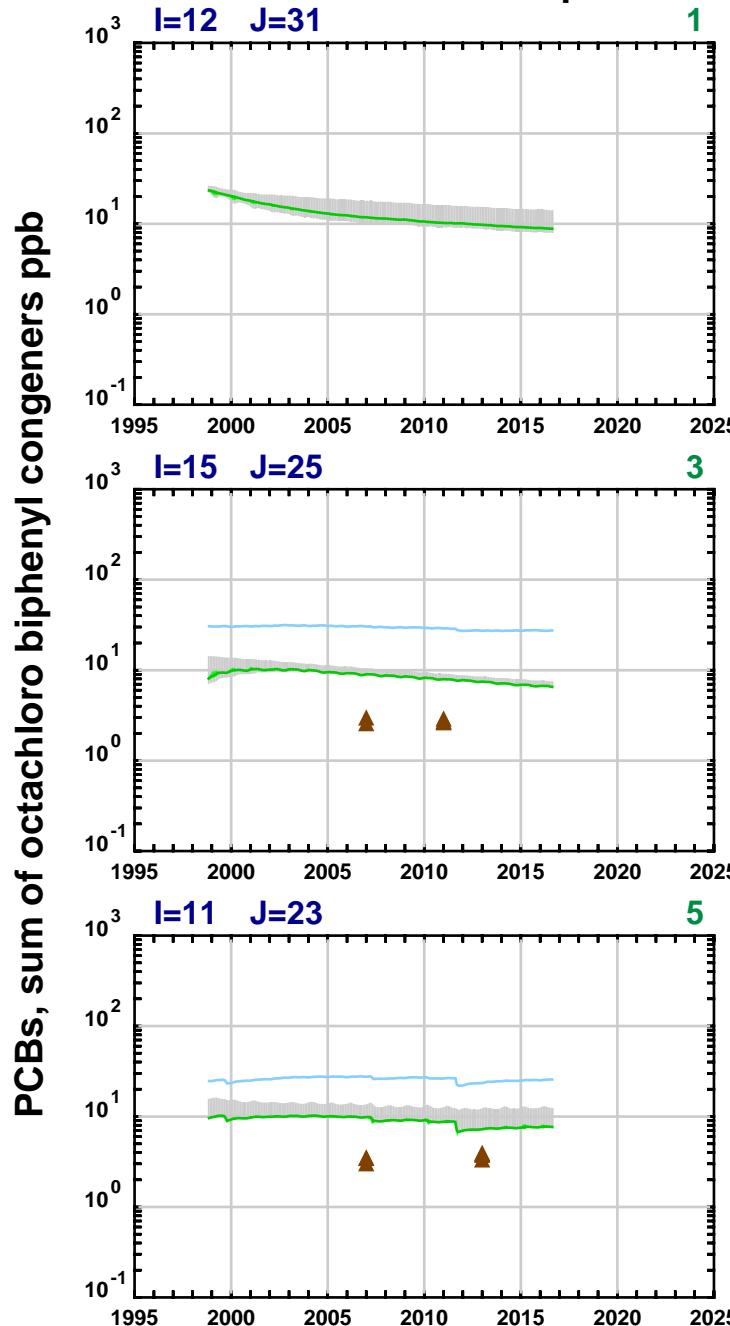
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

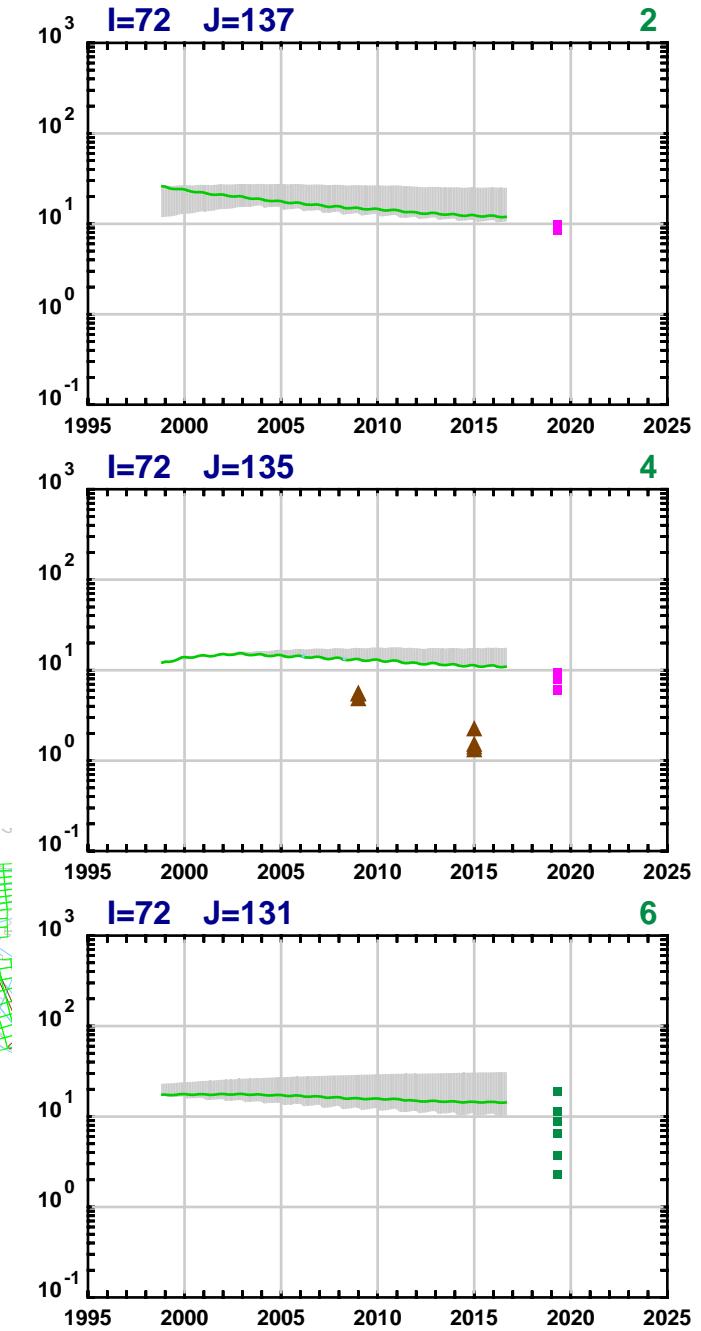
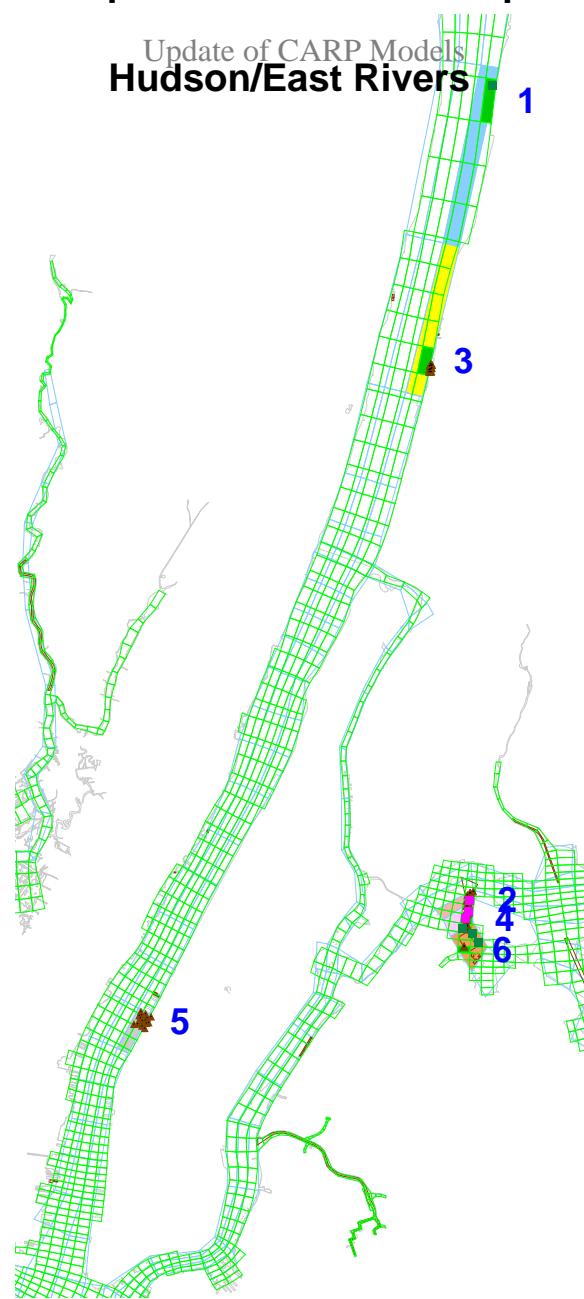
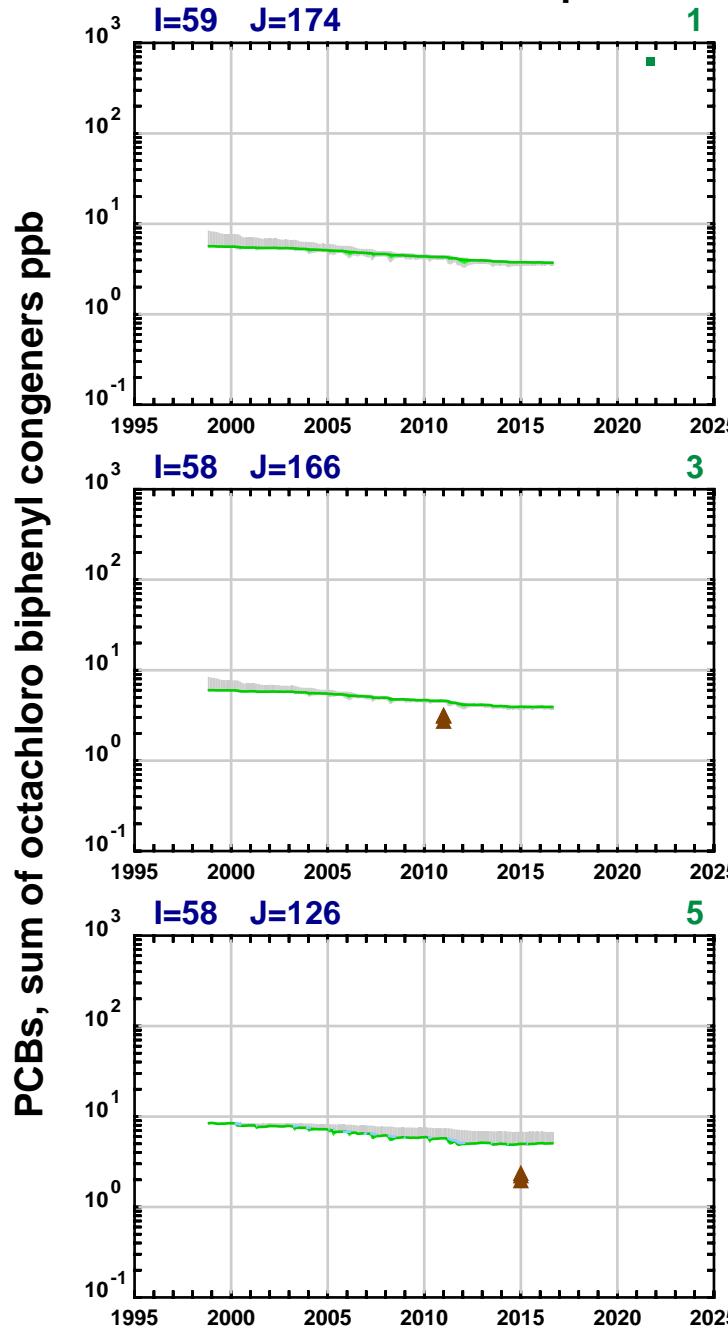


- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



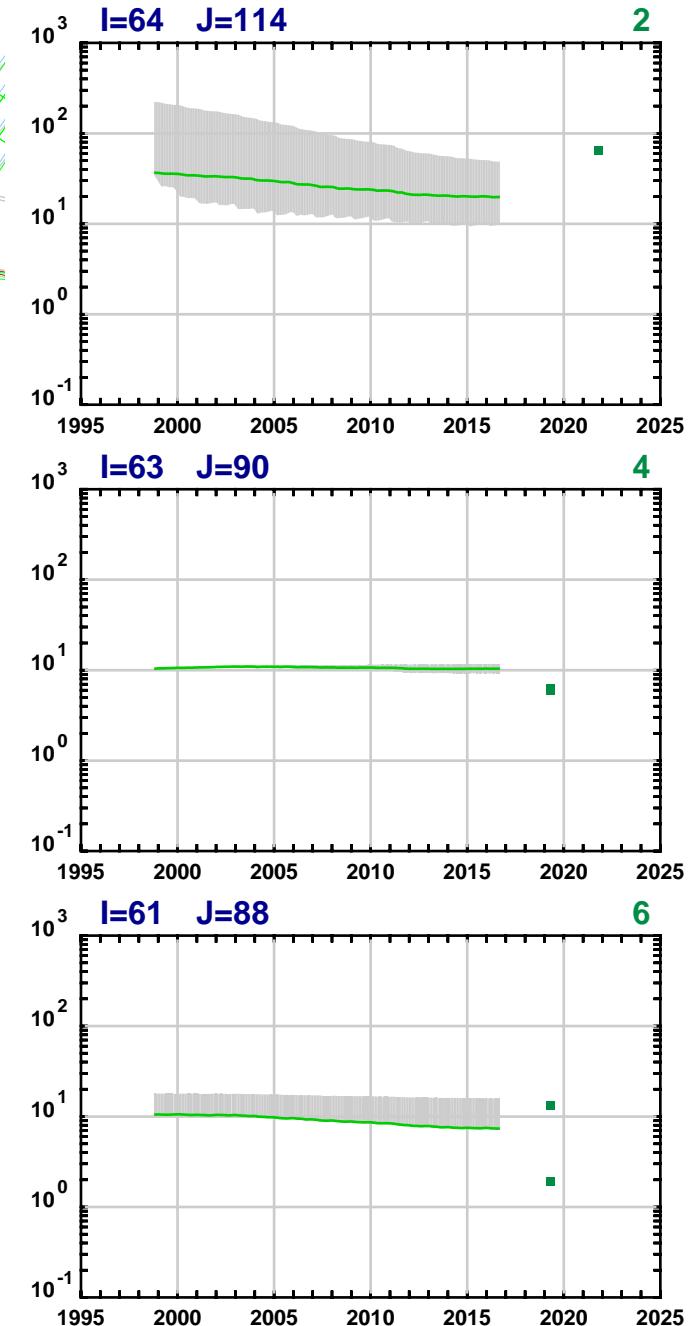
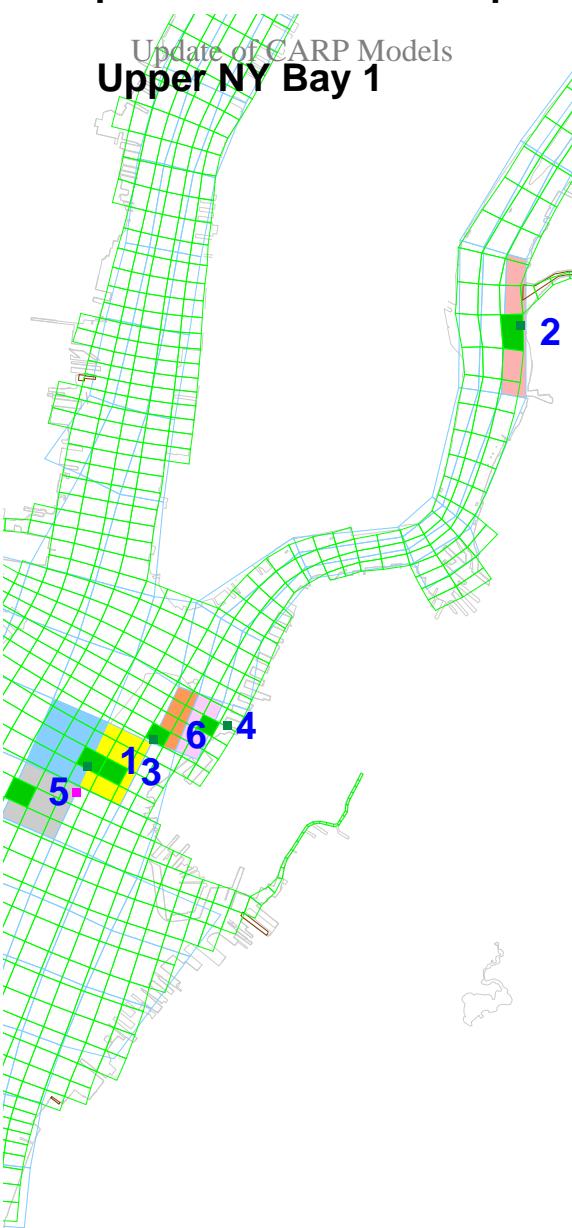
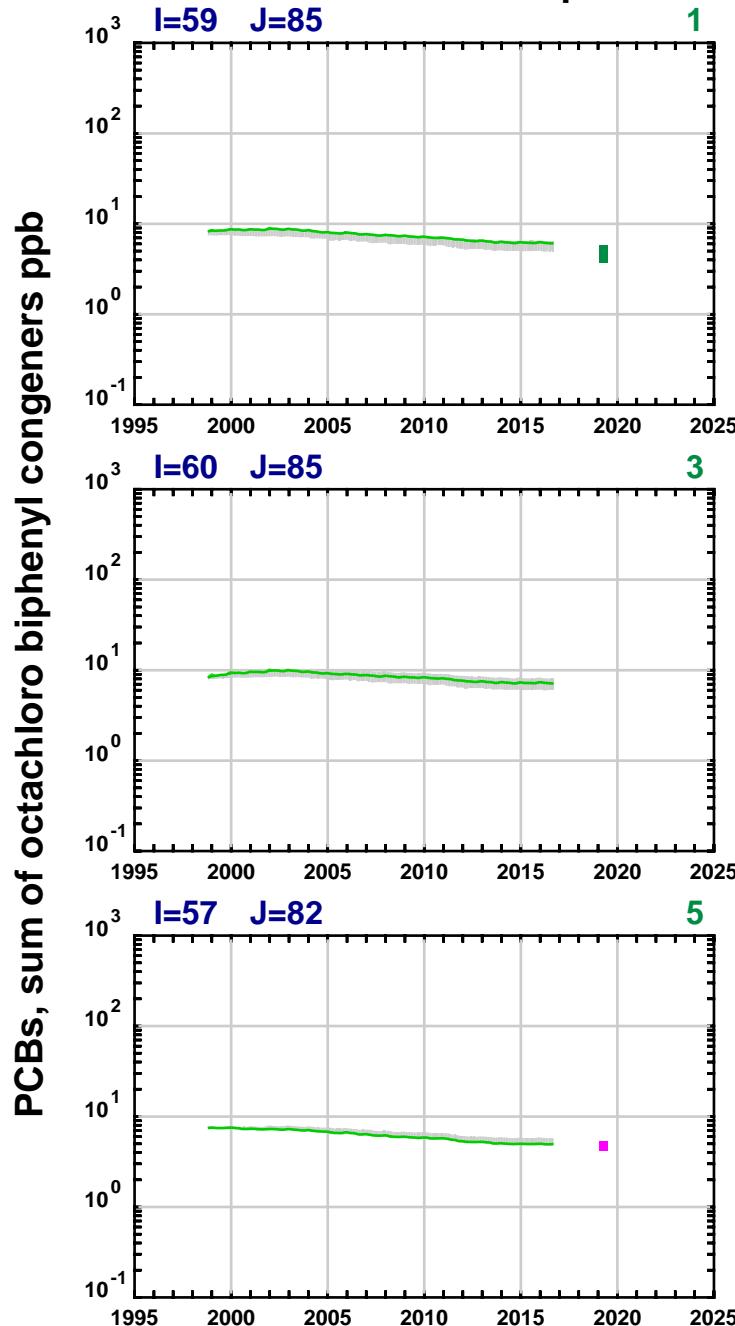
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

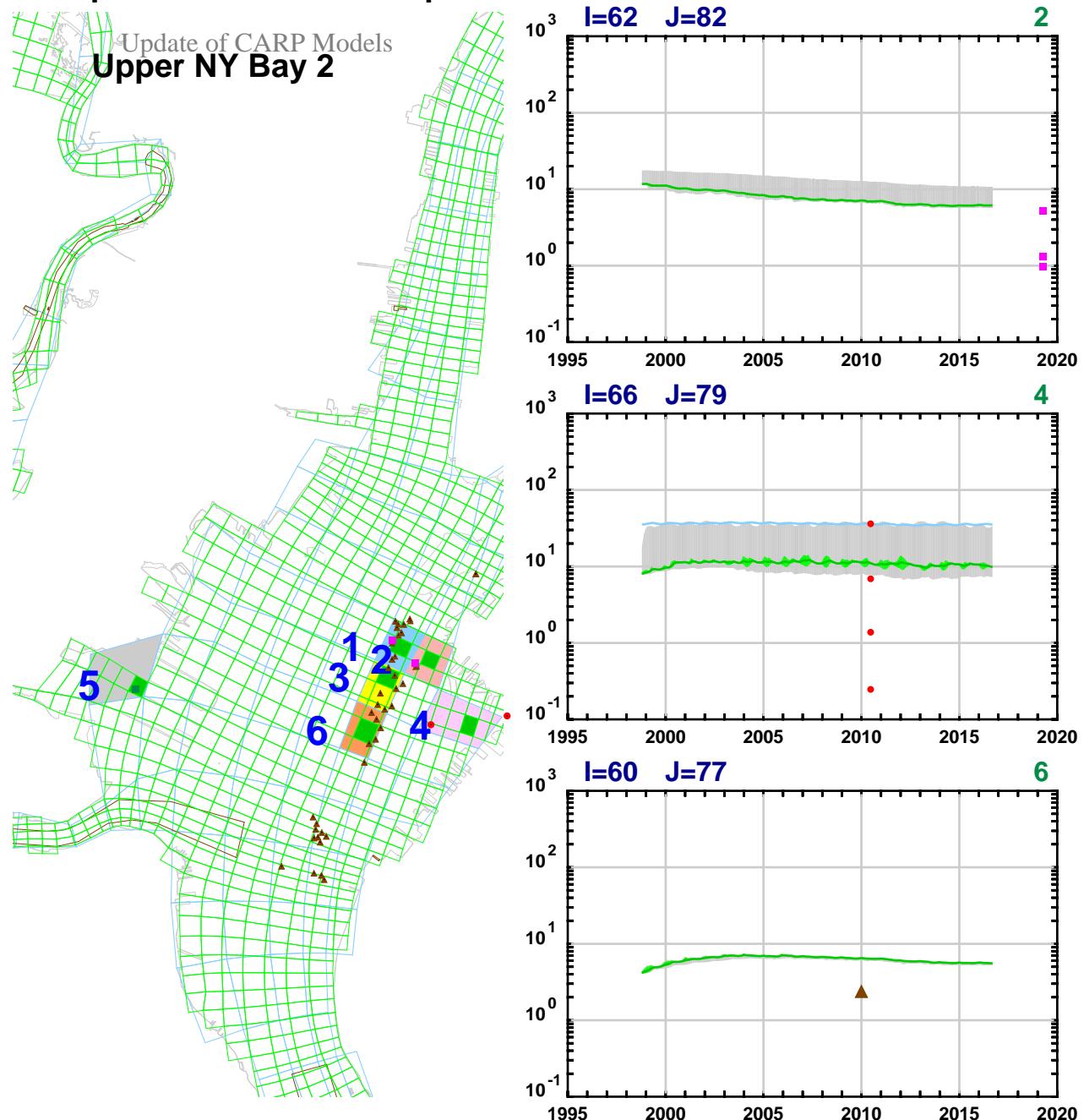
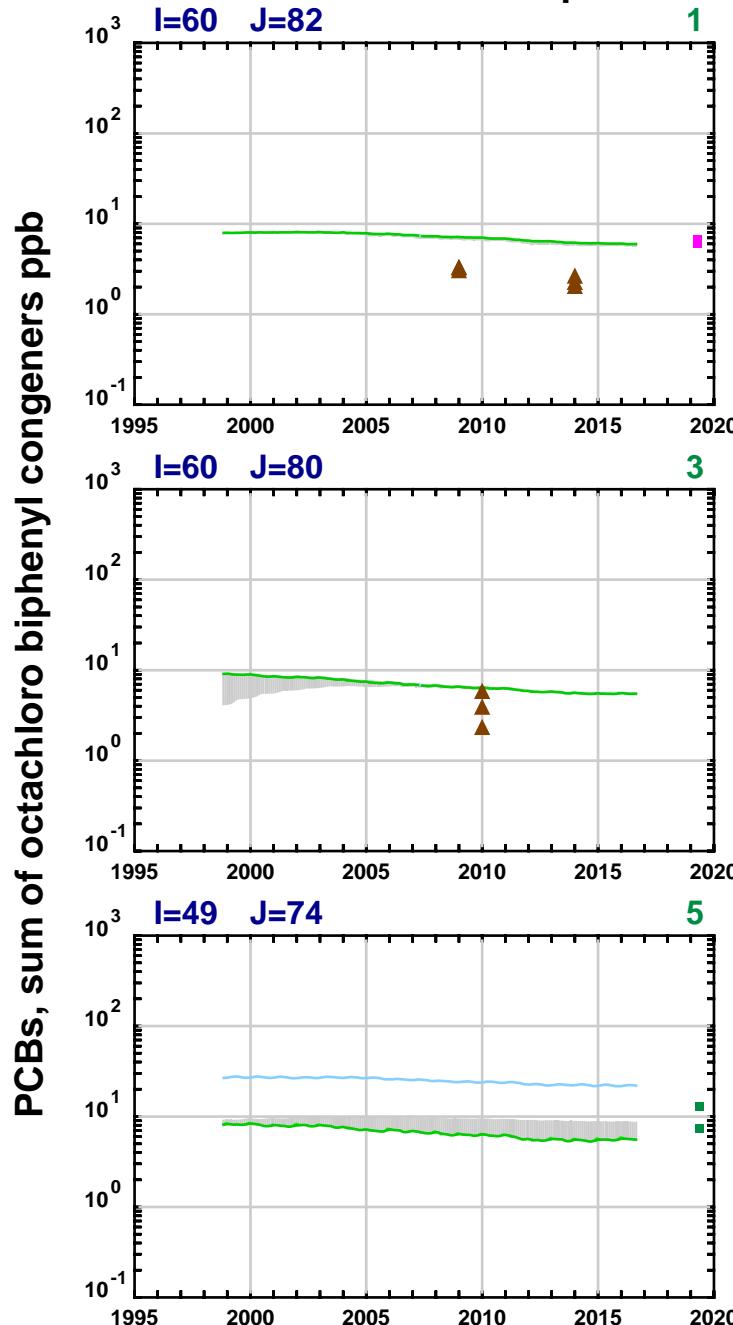


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

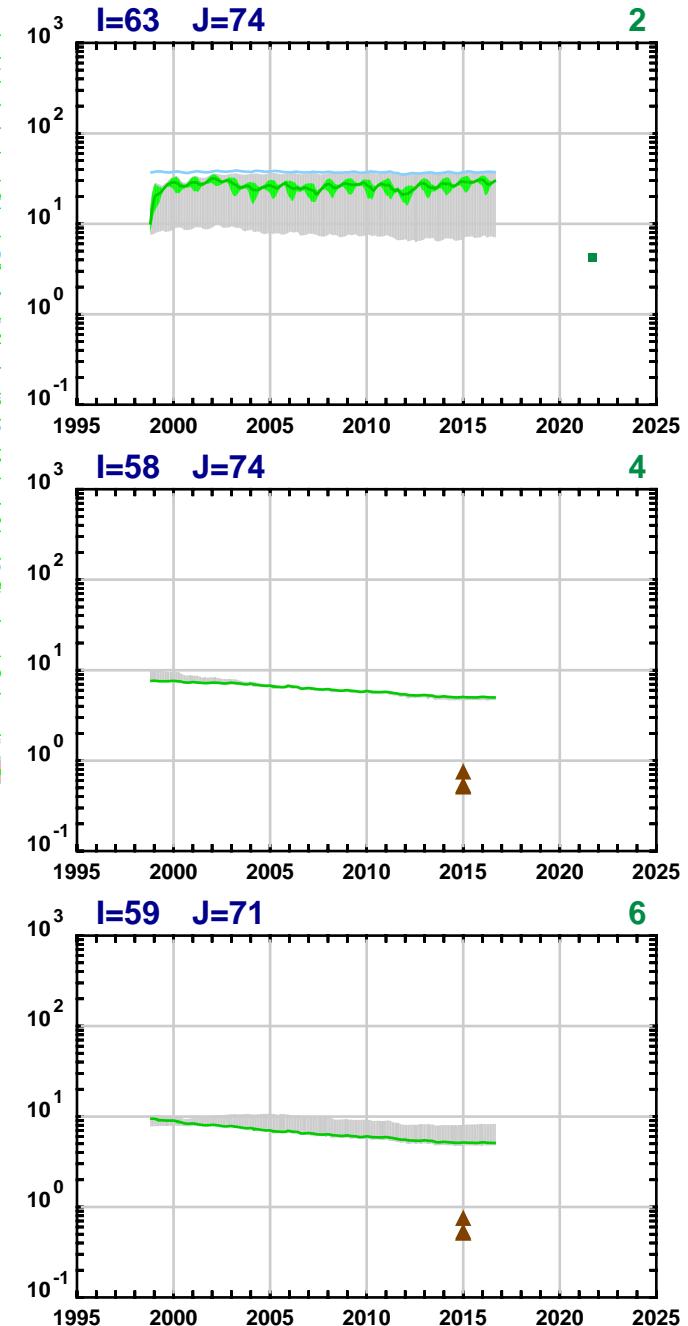
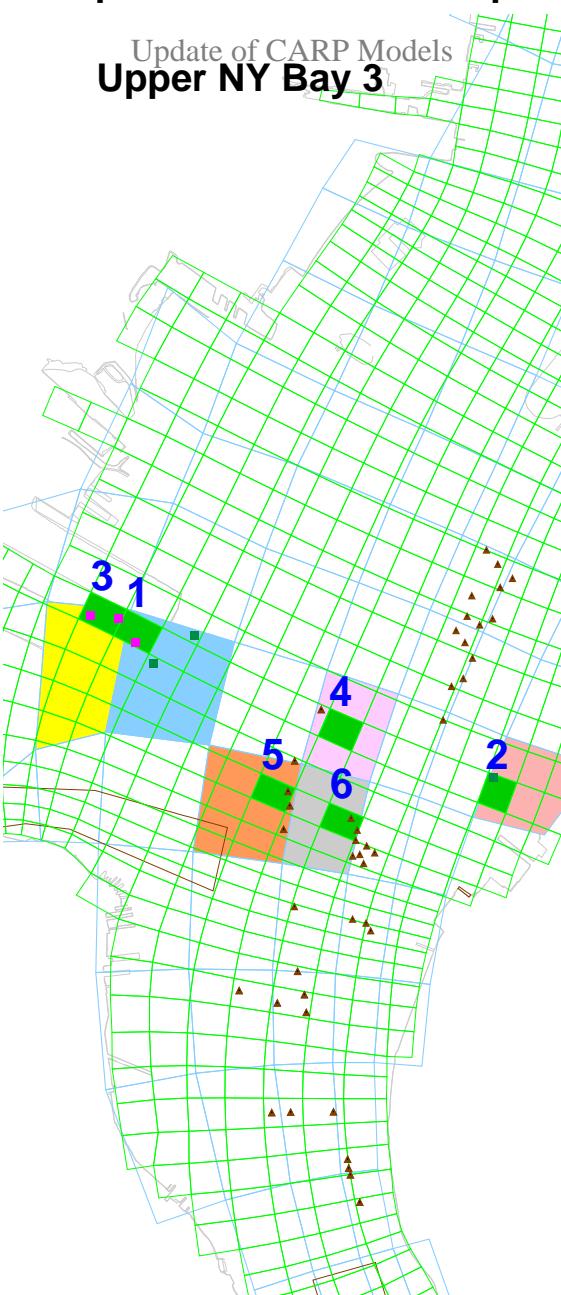
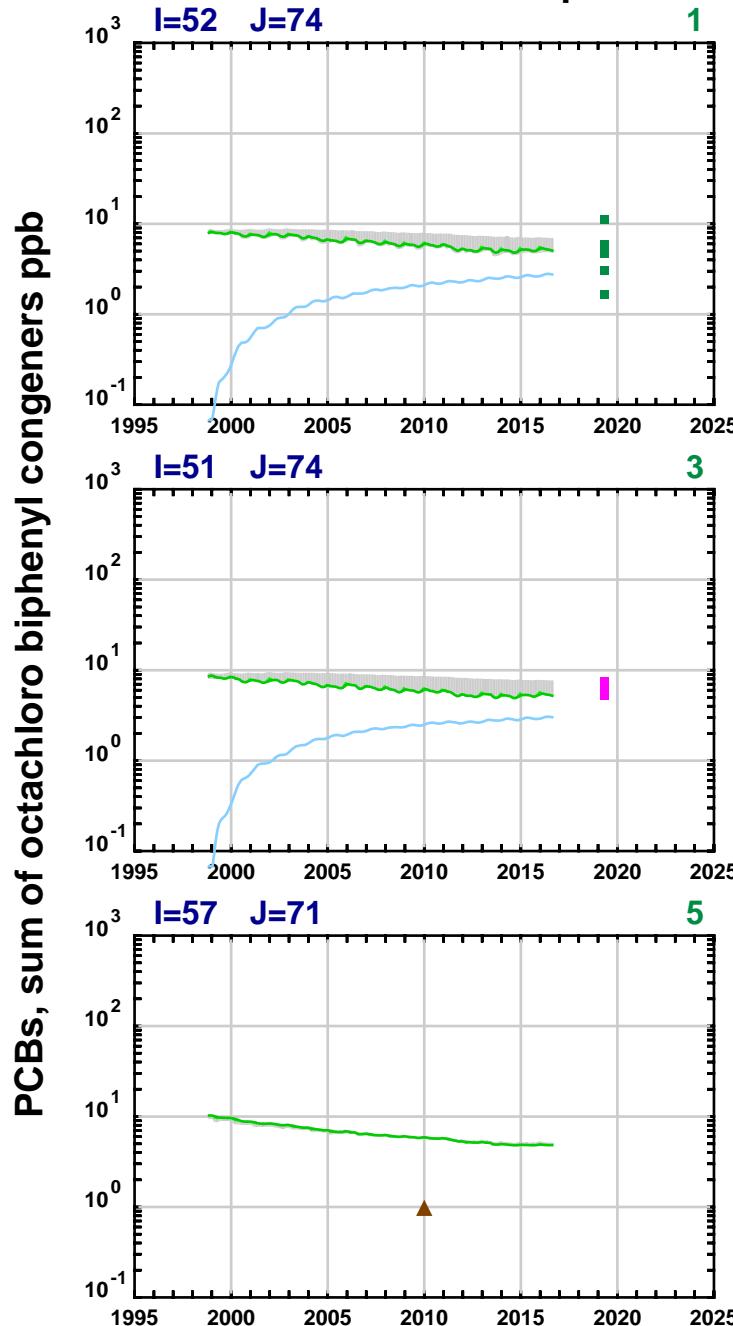


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



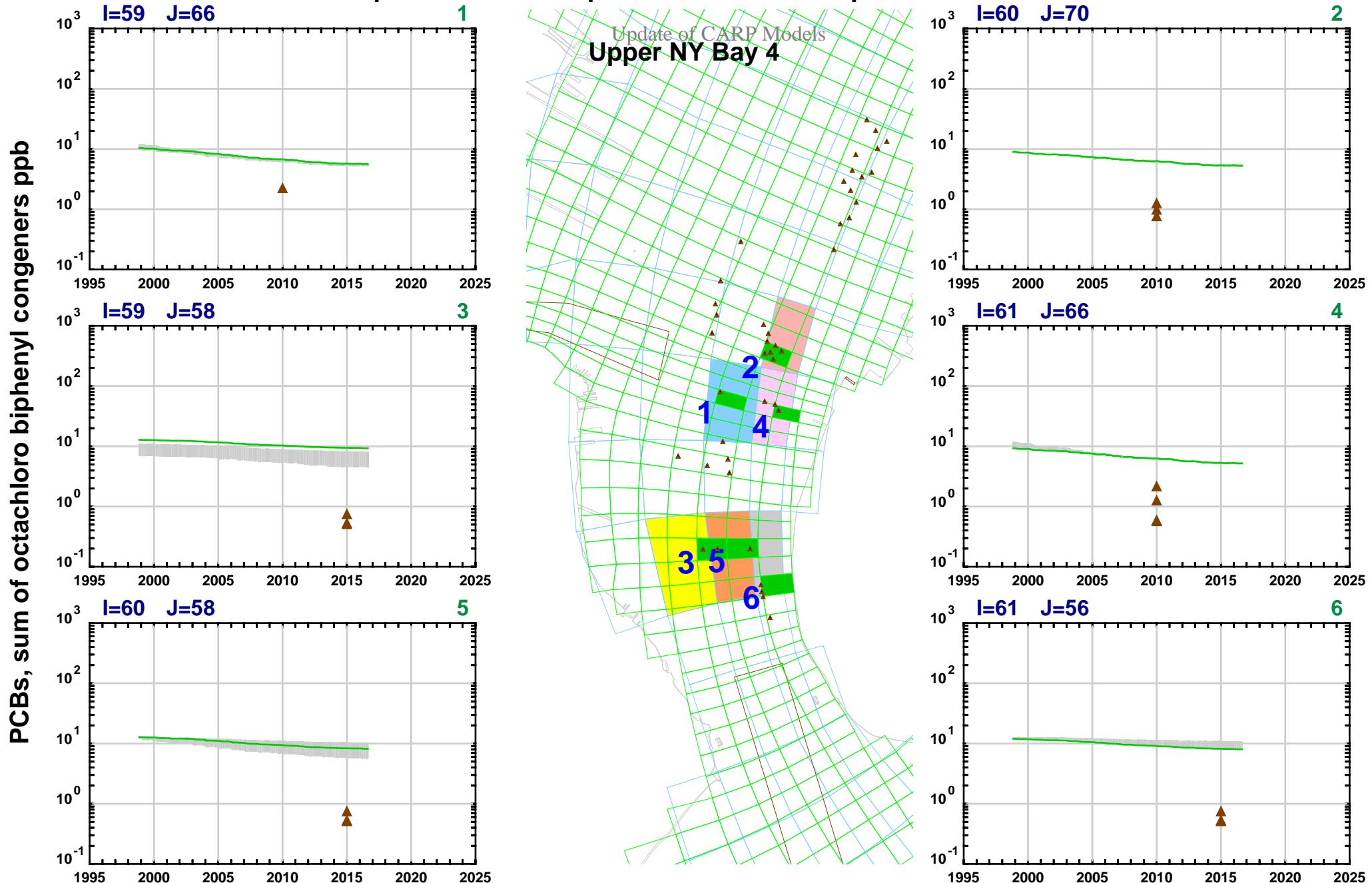
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



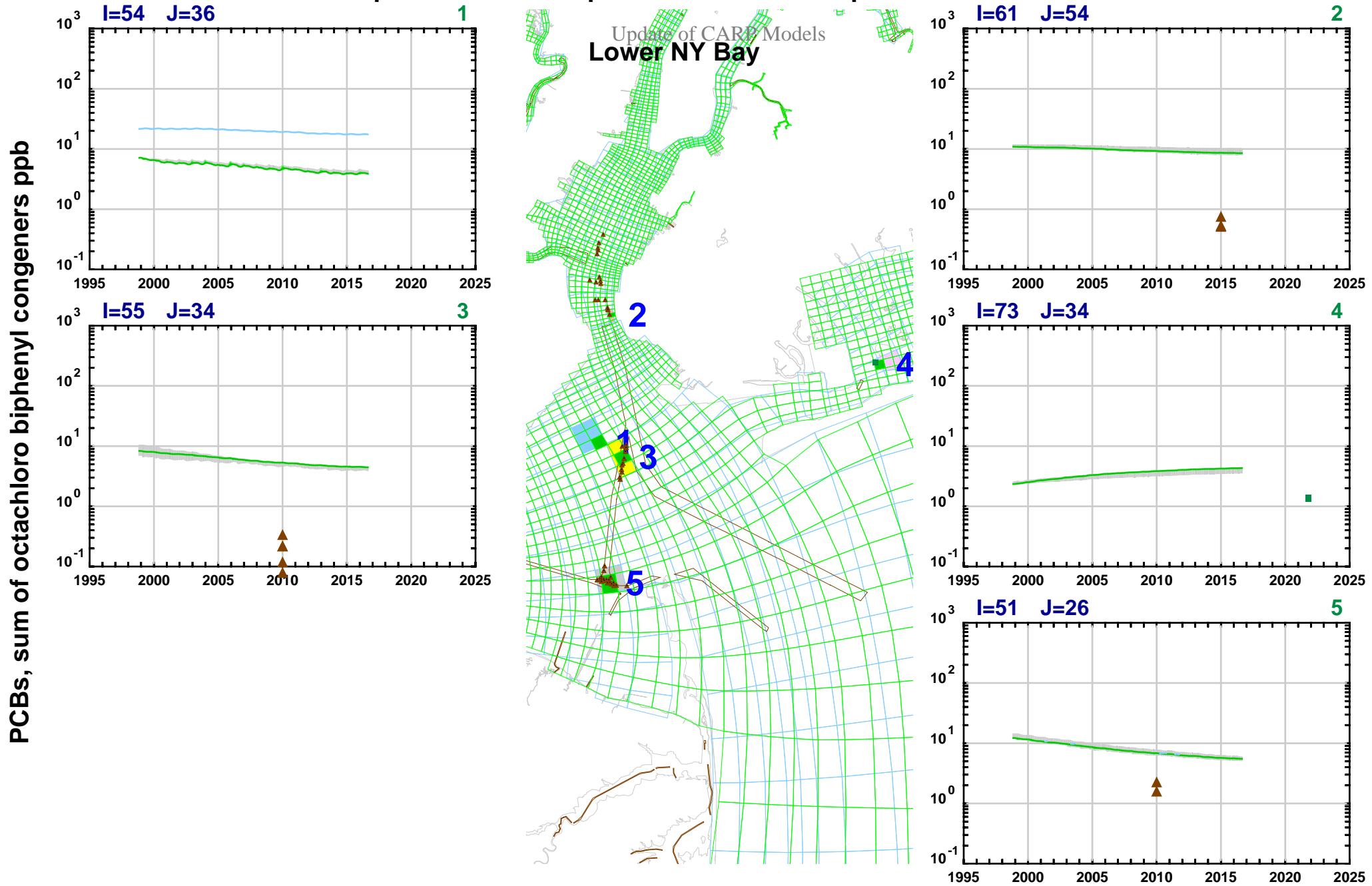
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



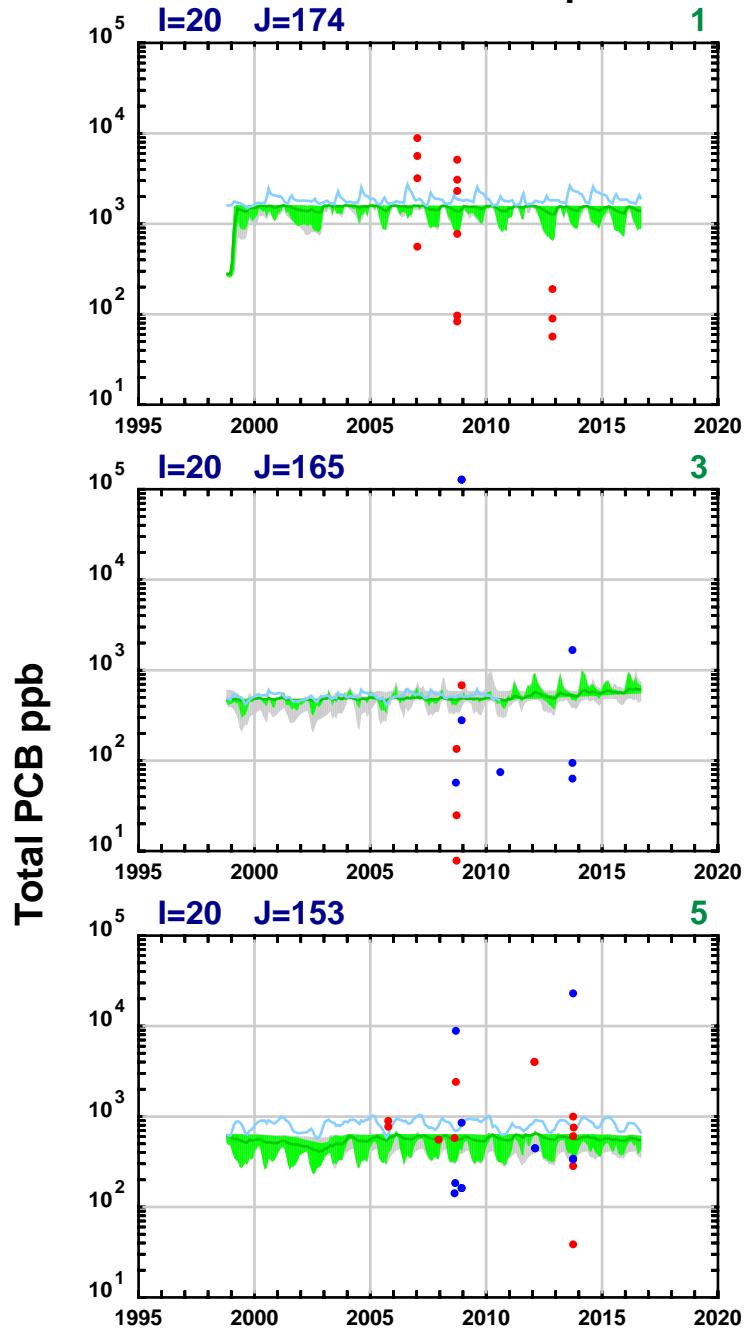
RUN18

Model: mean and range of values in top sediment

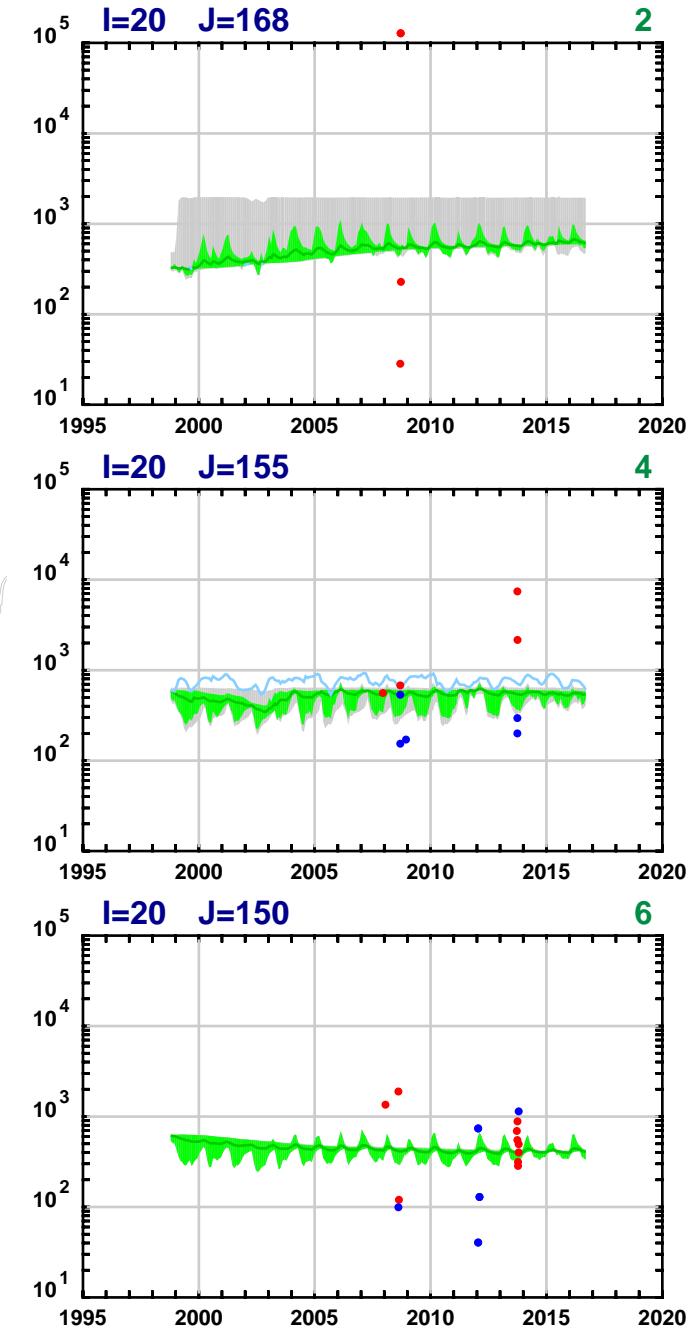
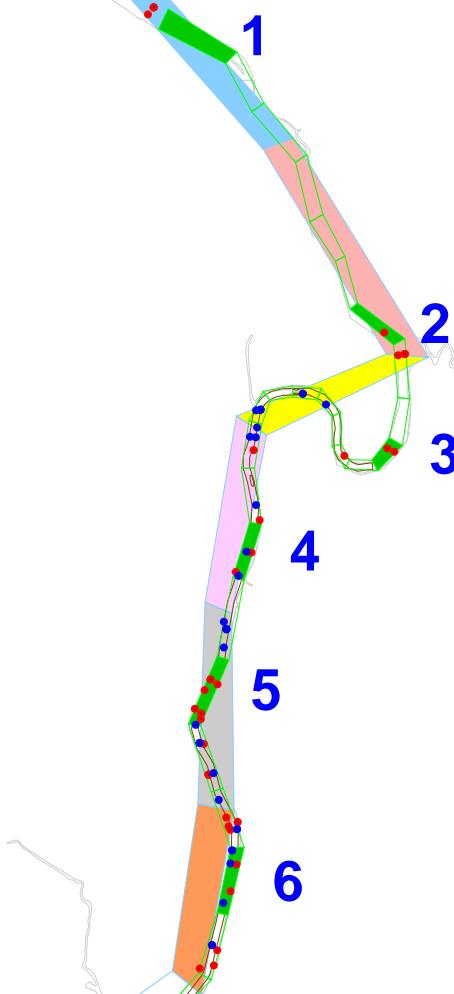
Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I

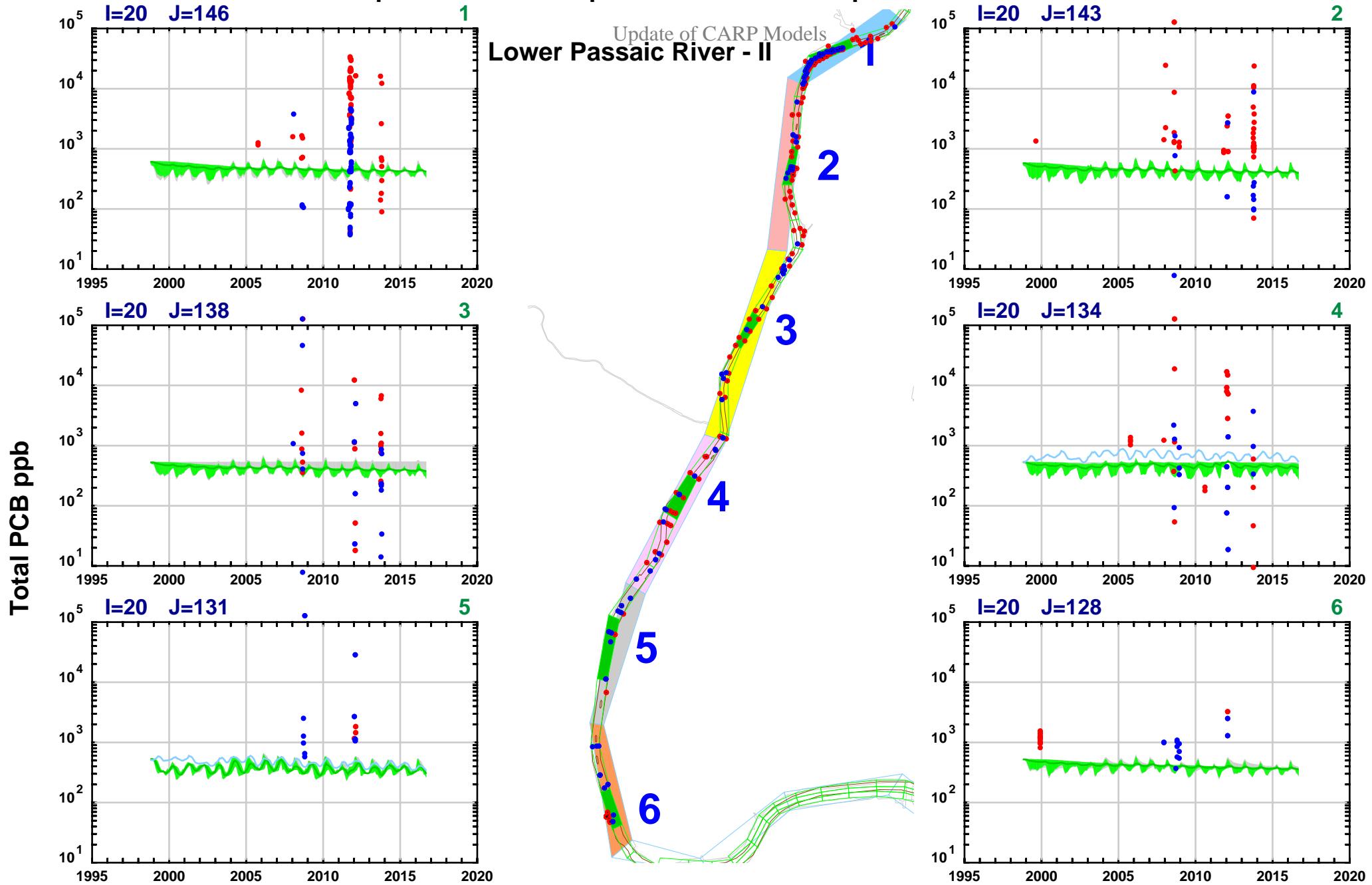


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



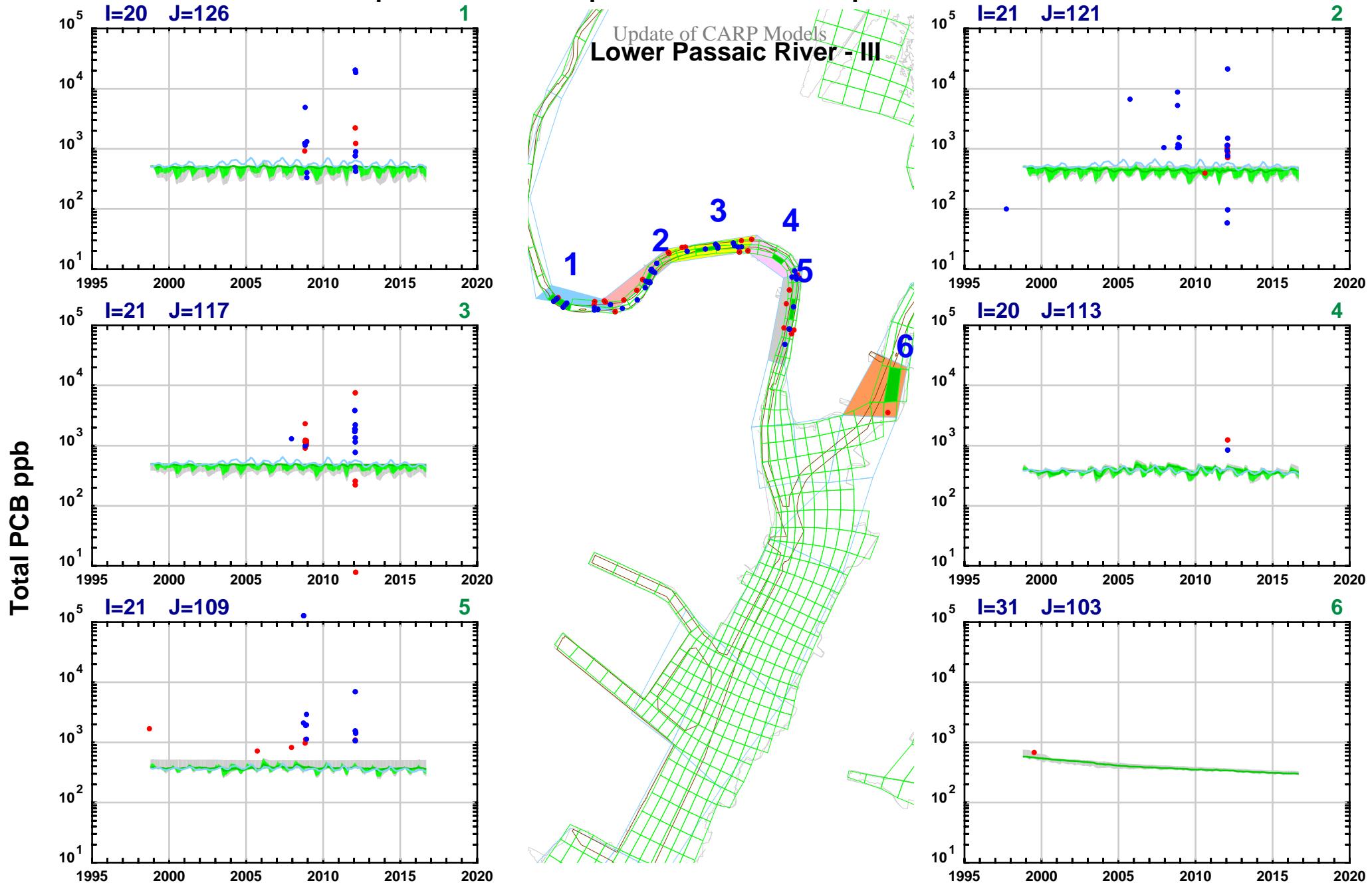
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



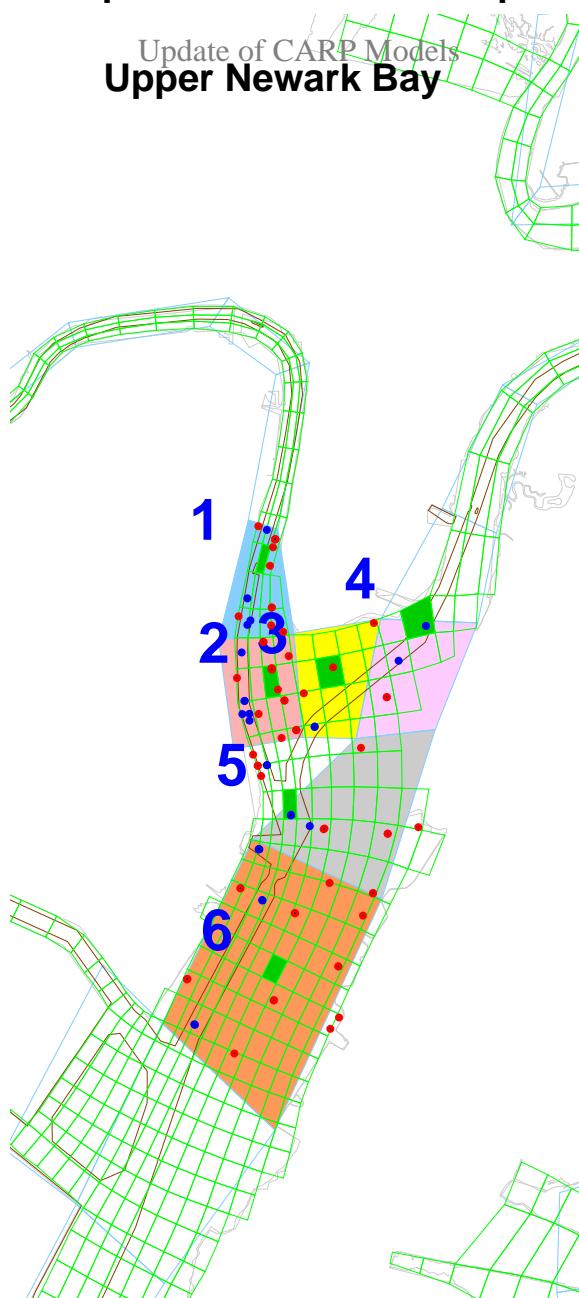
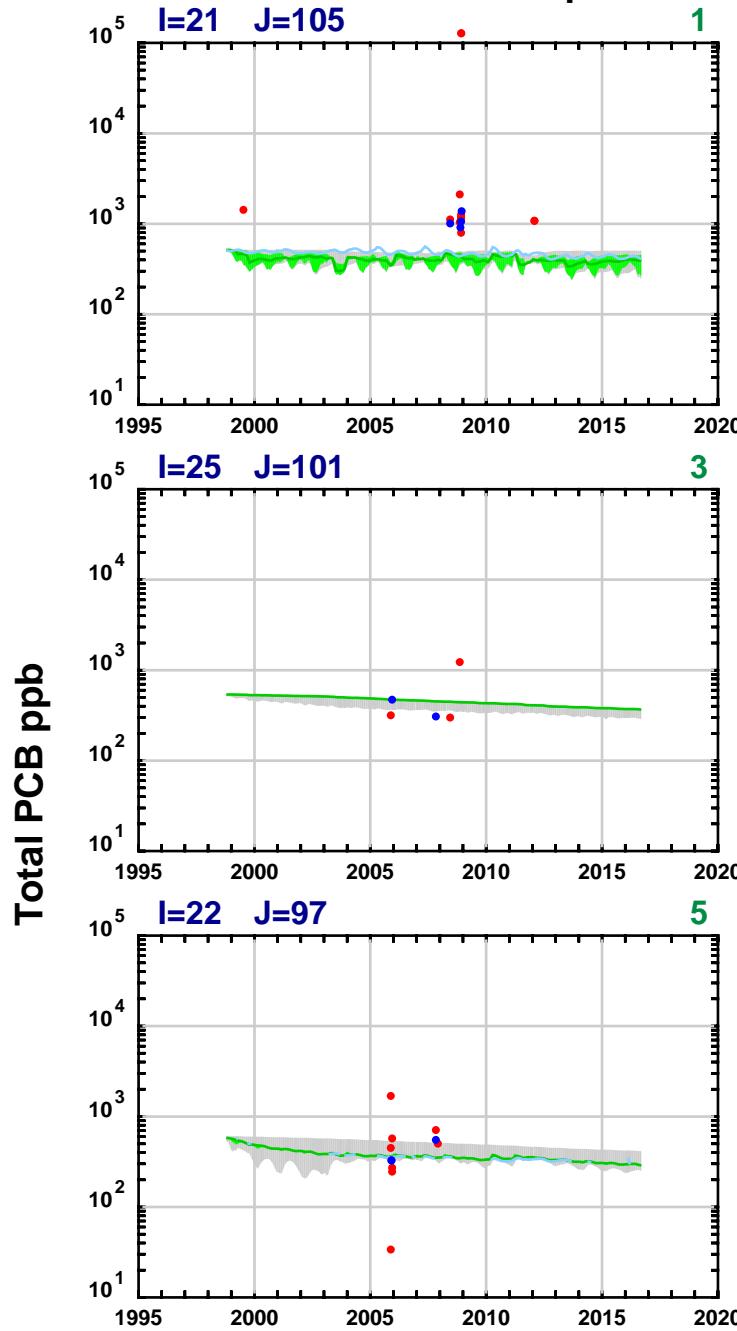
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

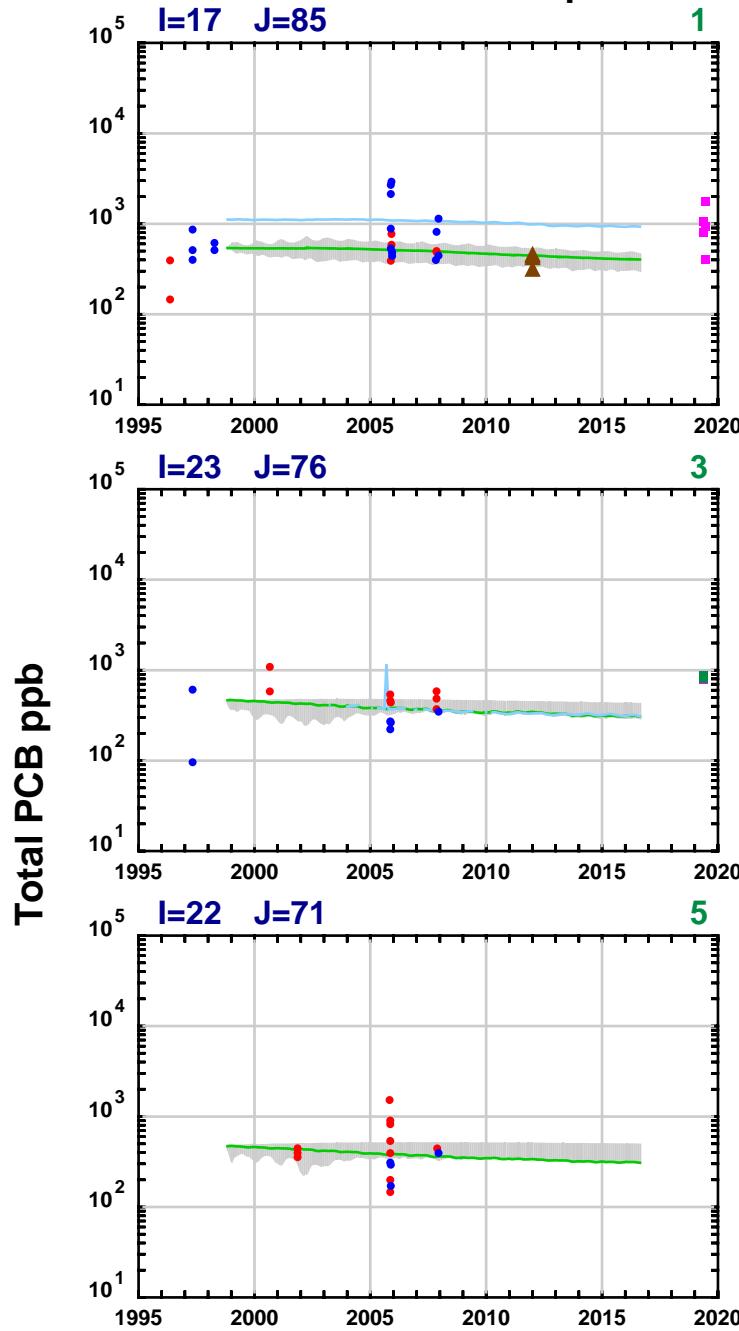
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

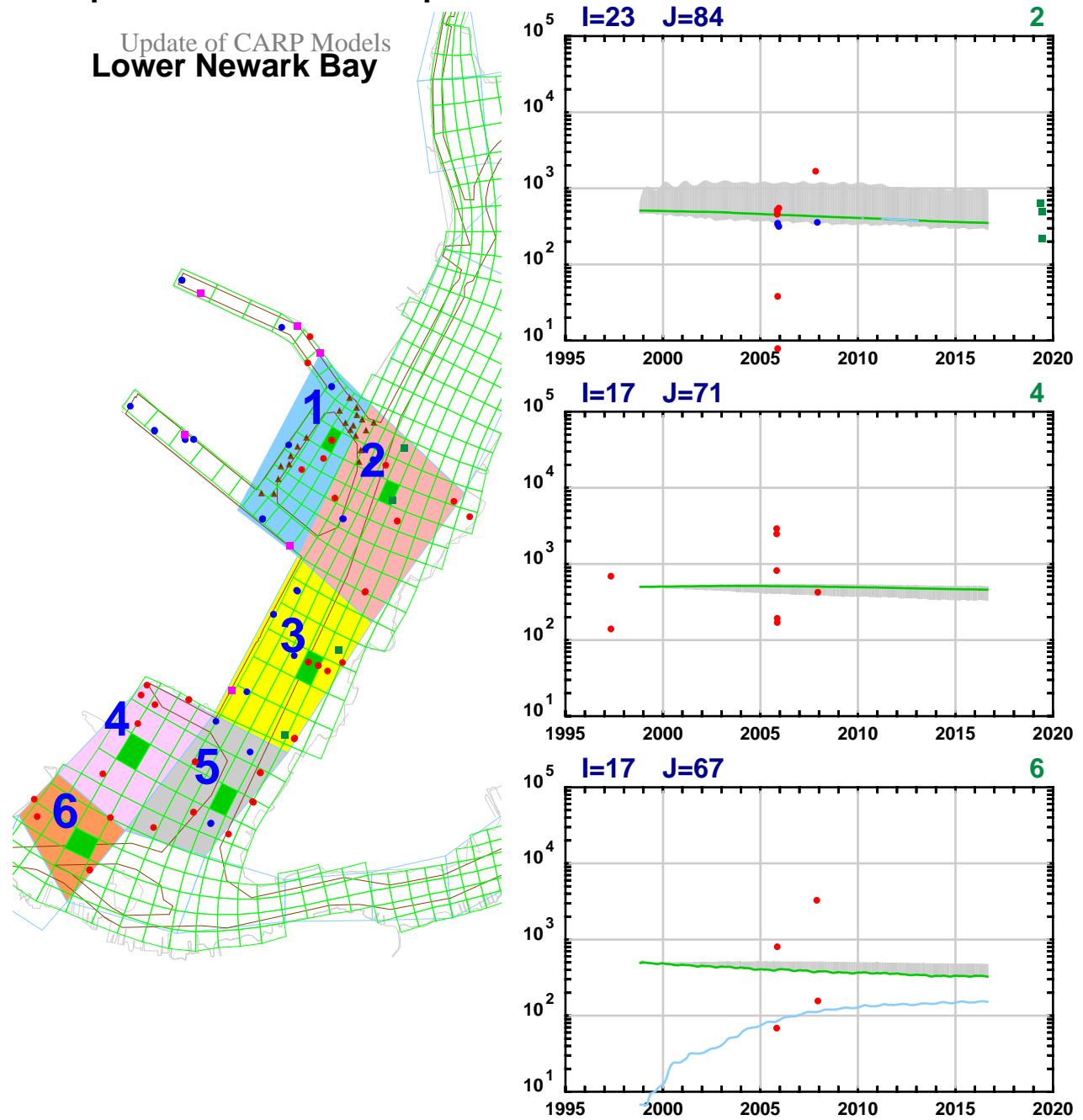
- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

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Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay

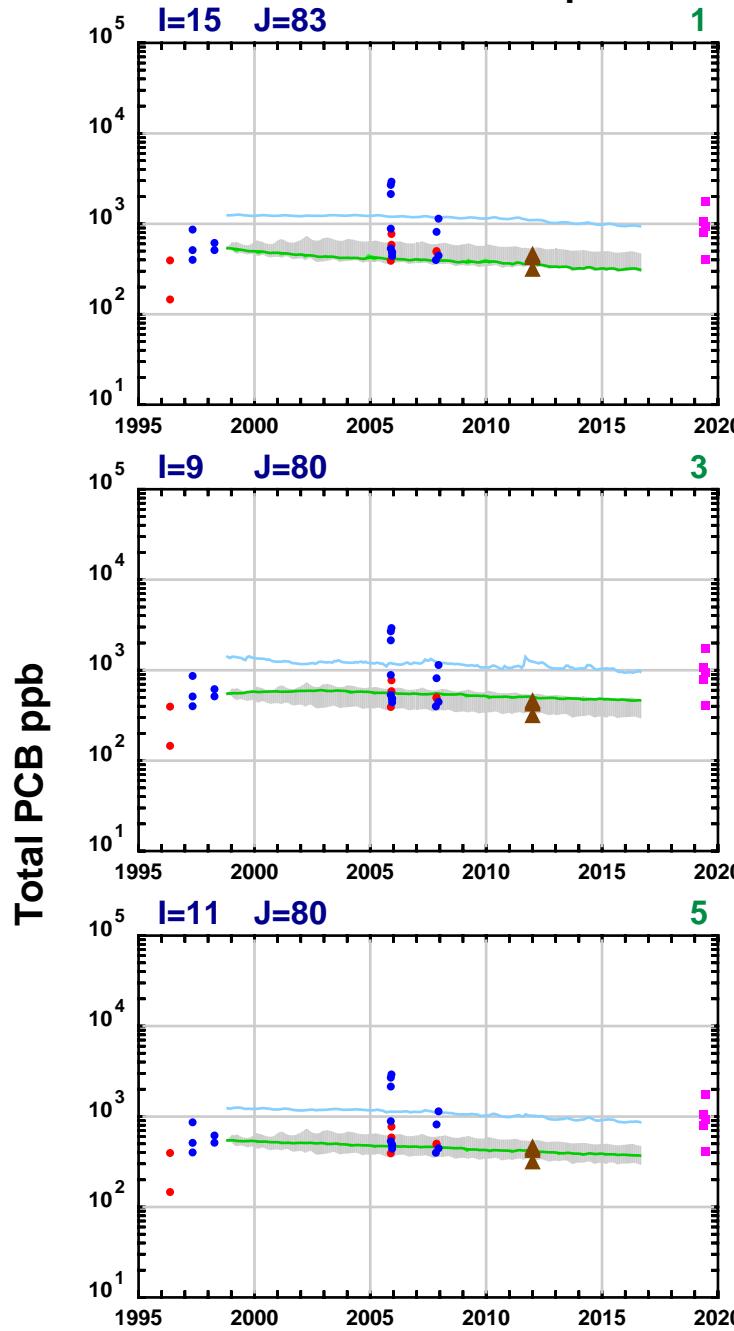


RUN18

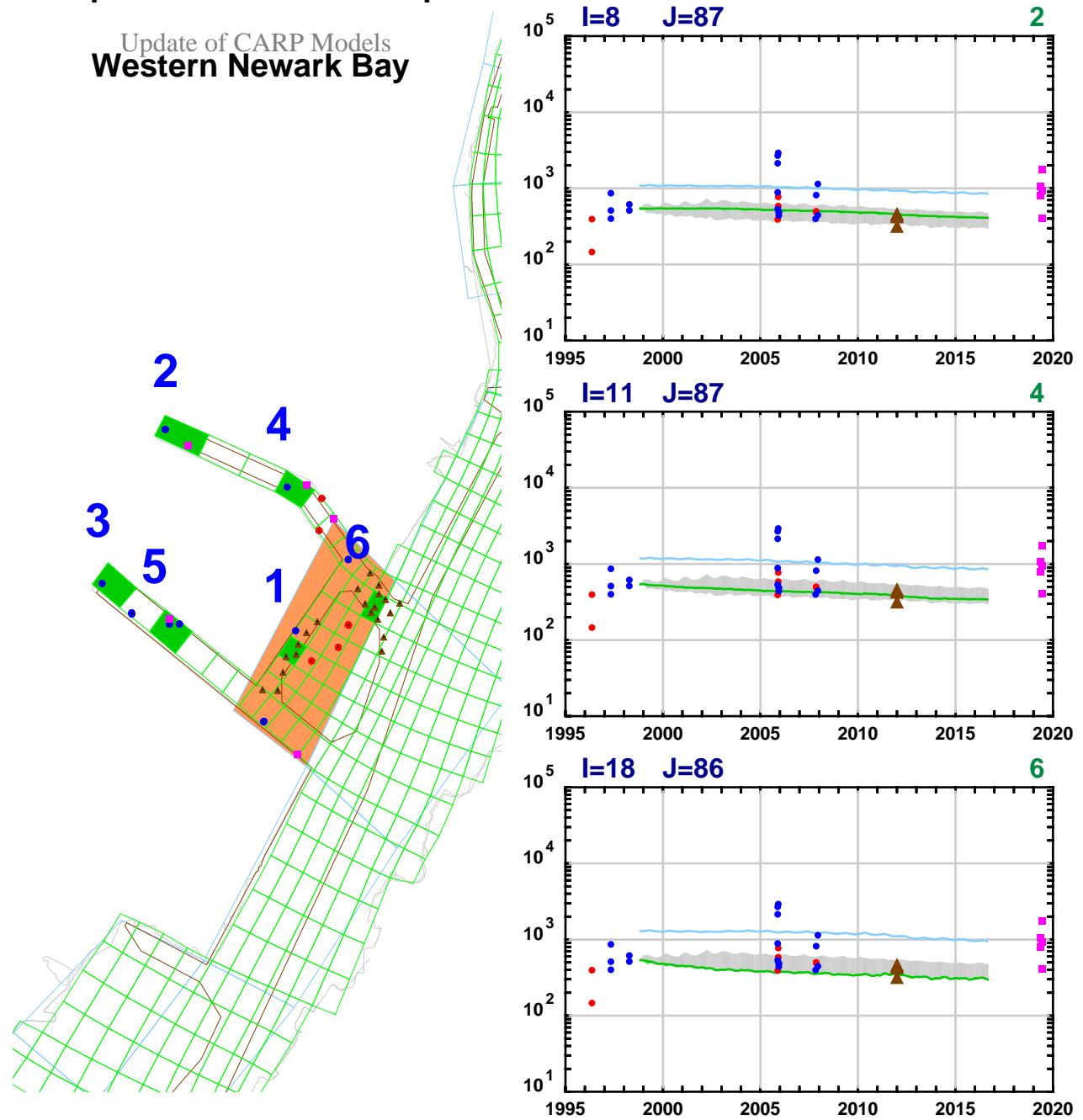
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay

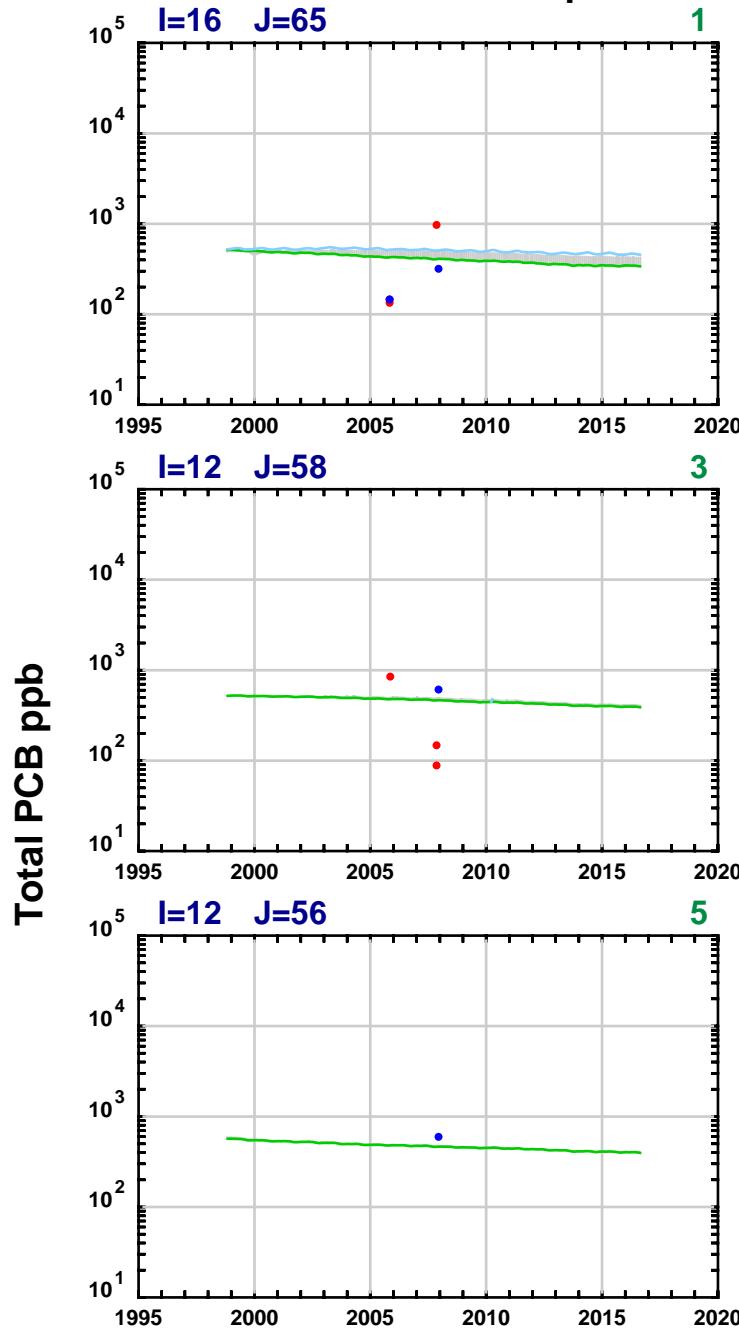


RUN18

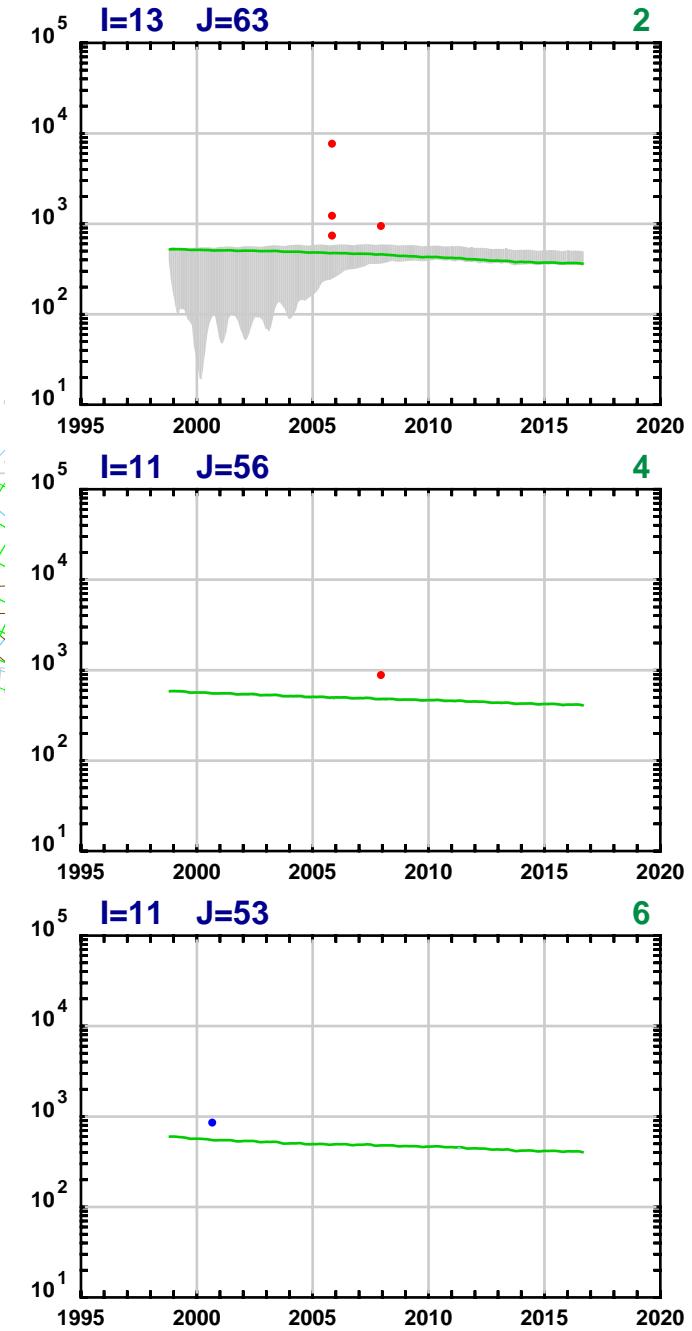
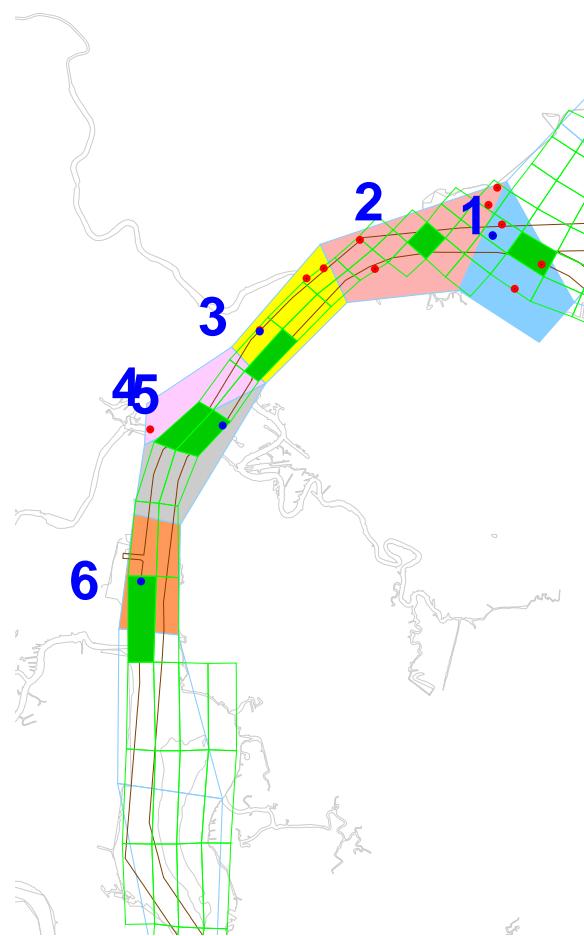
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1

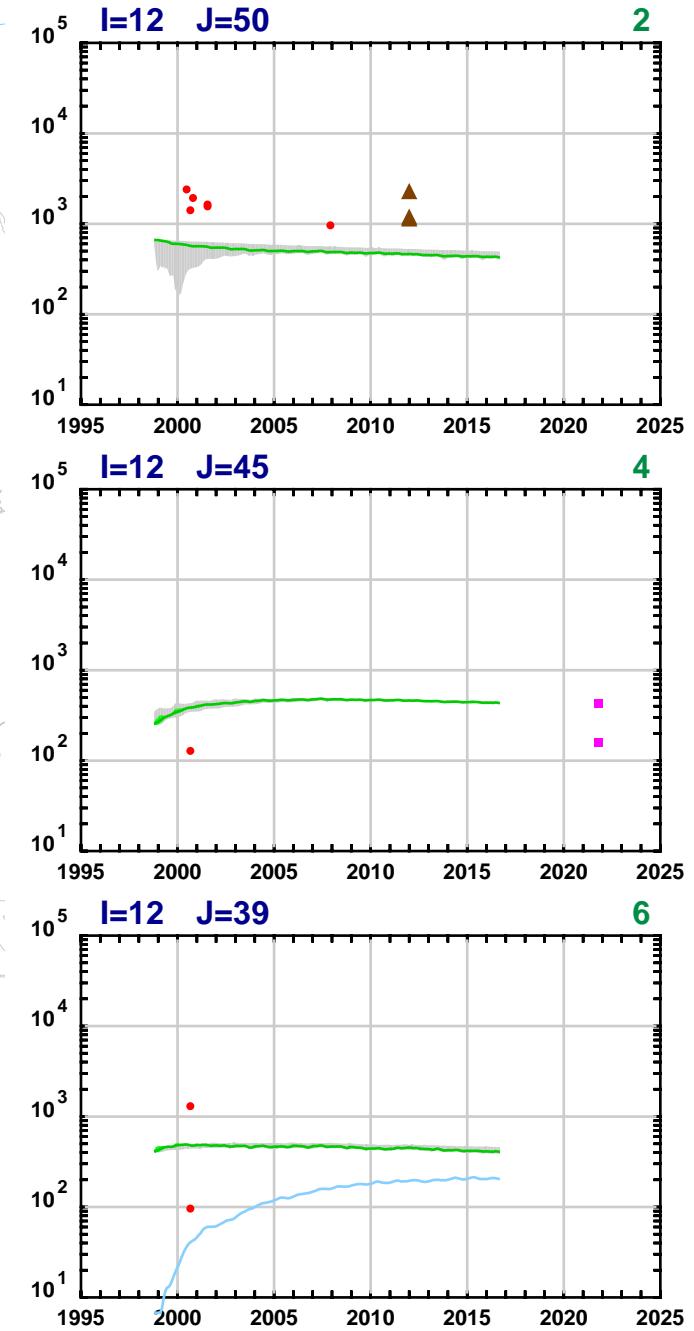
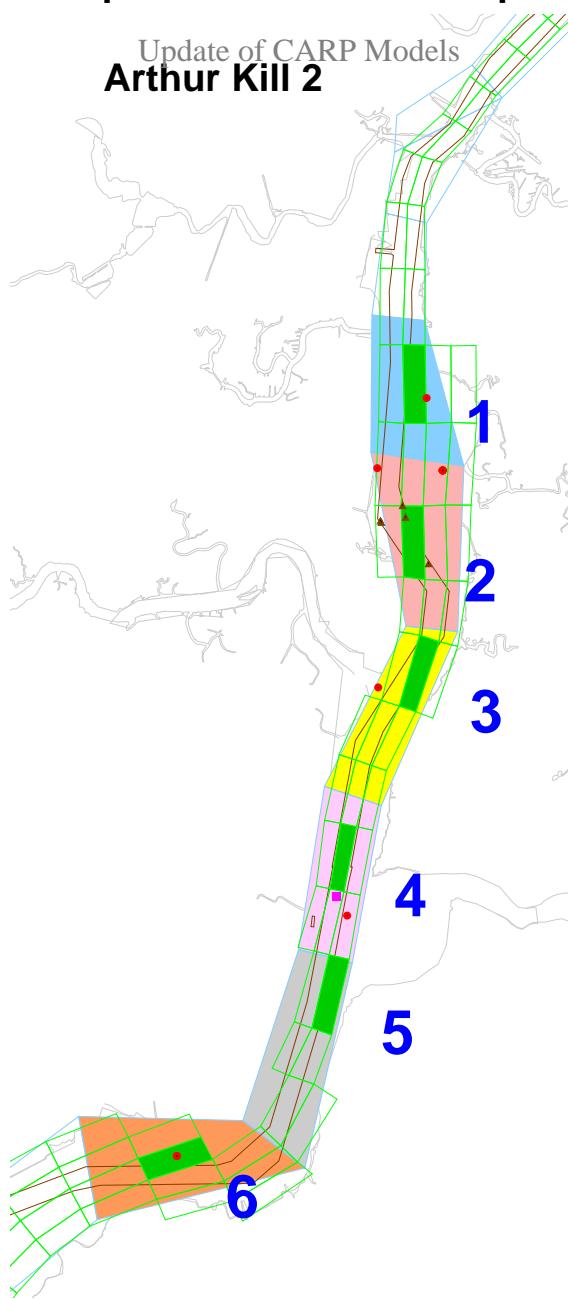
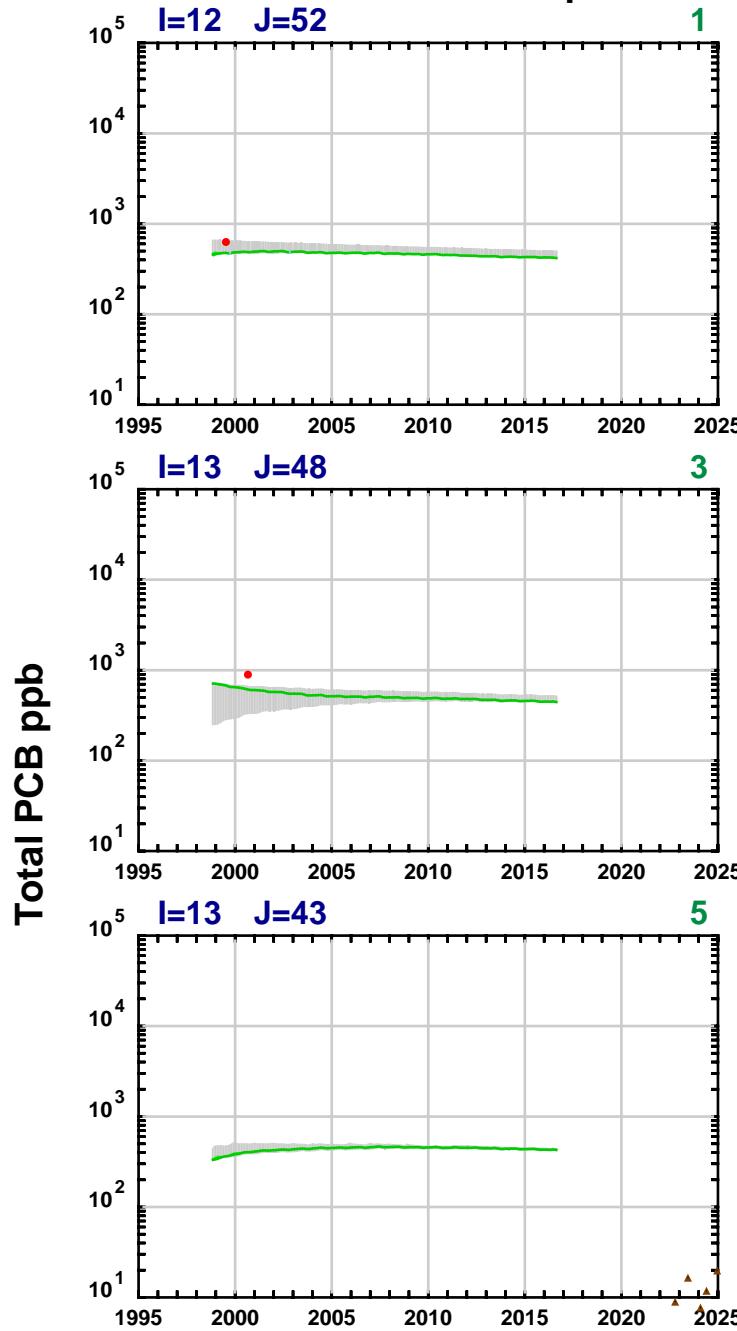


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



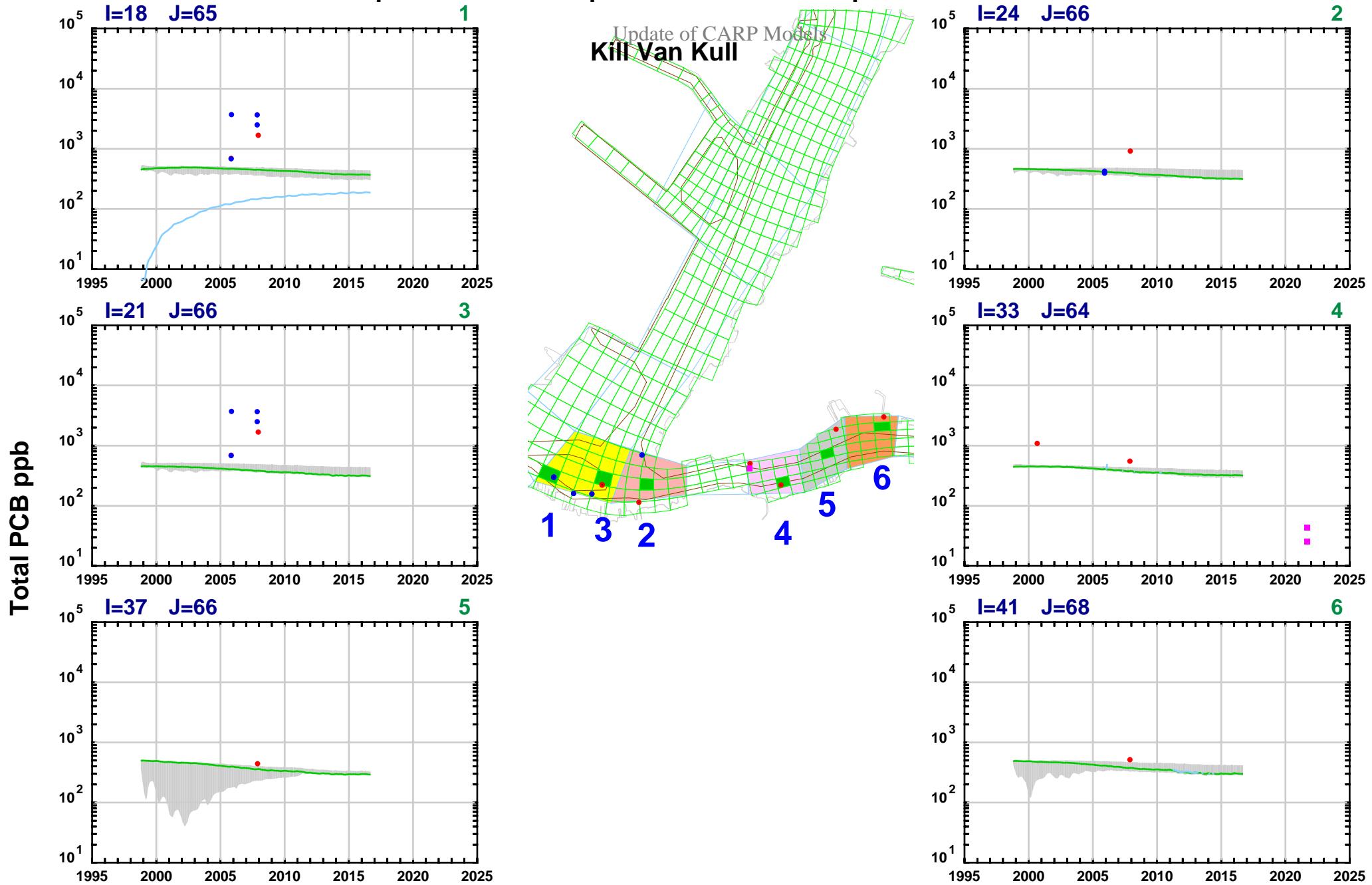
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



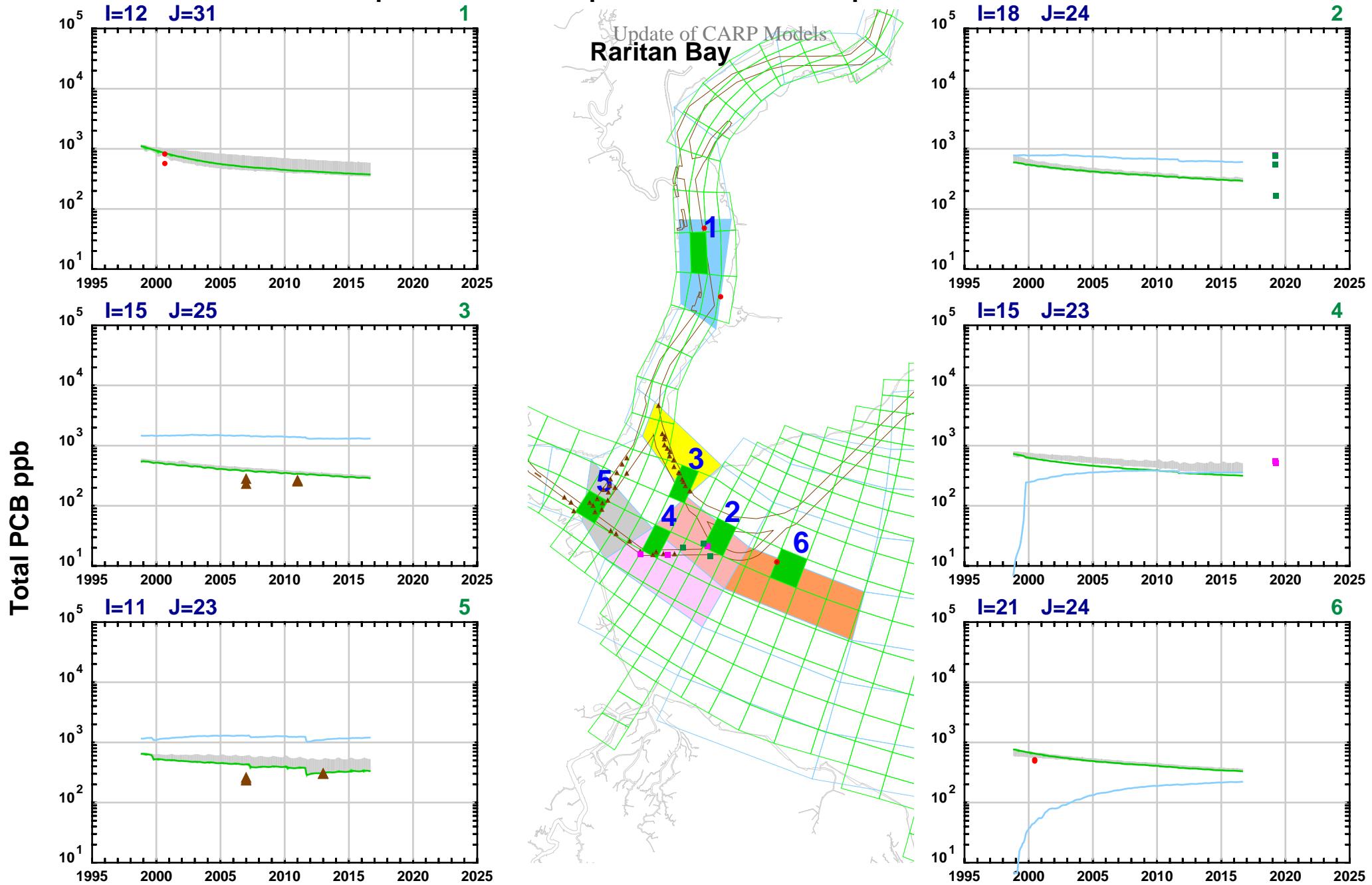
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



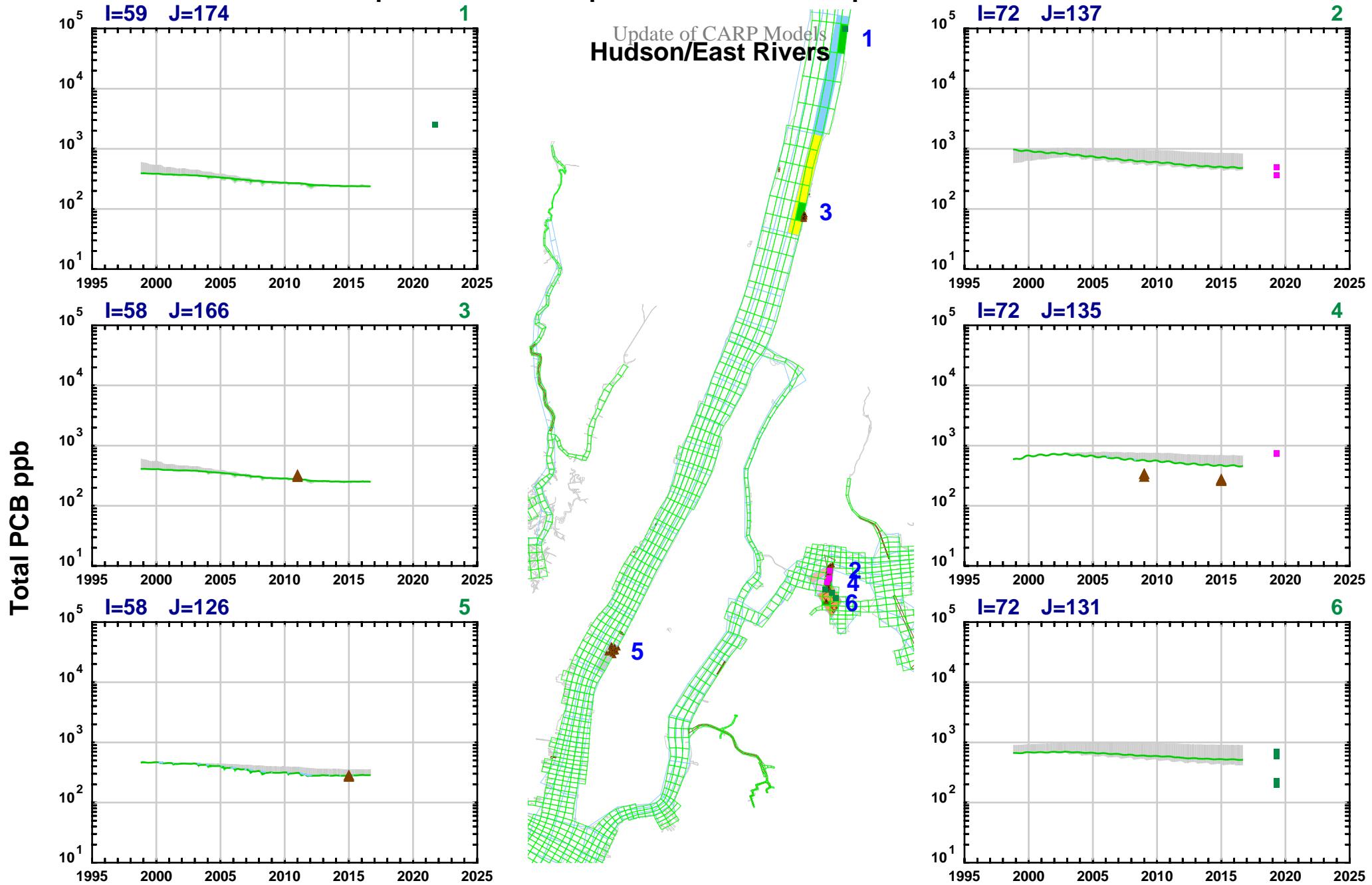
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



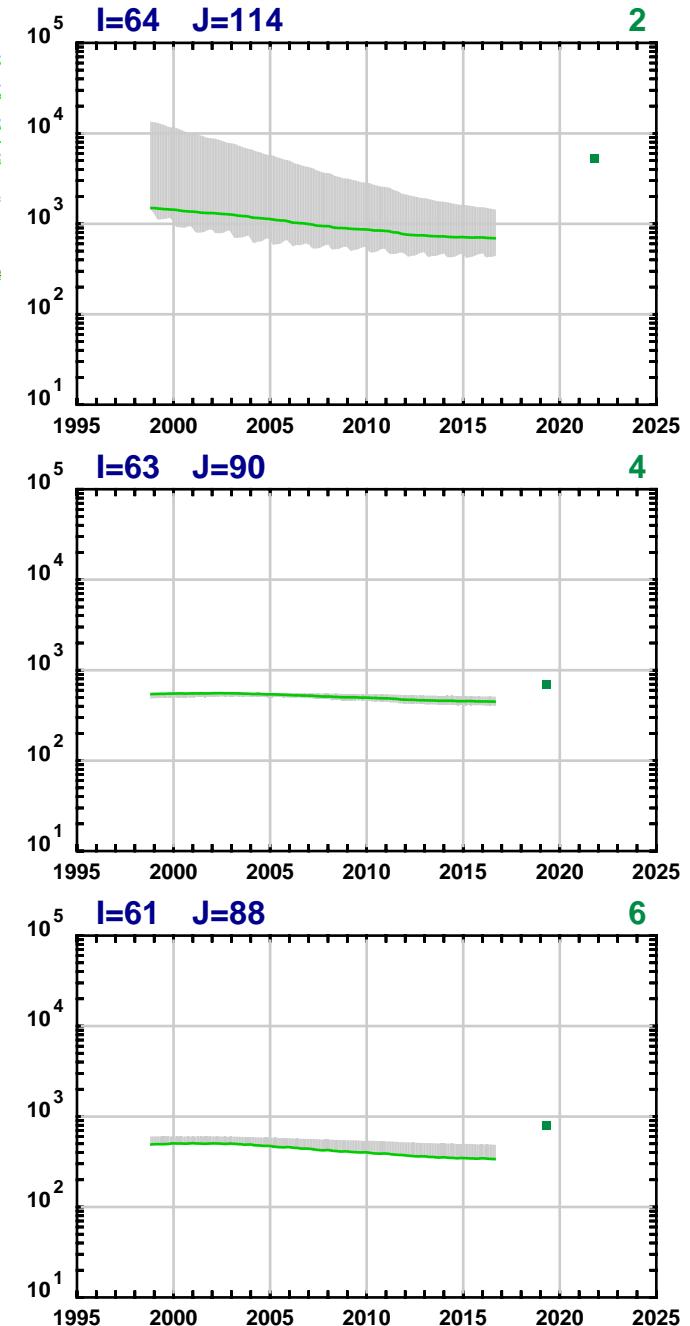
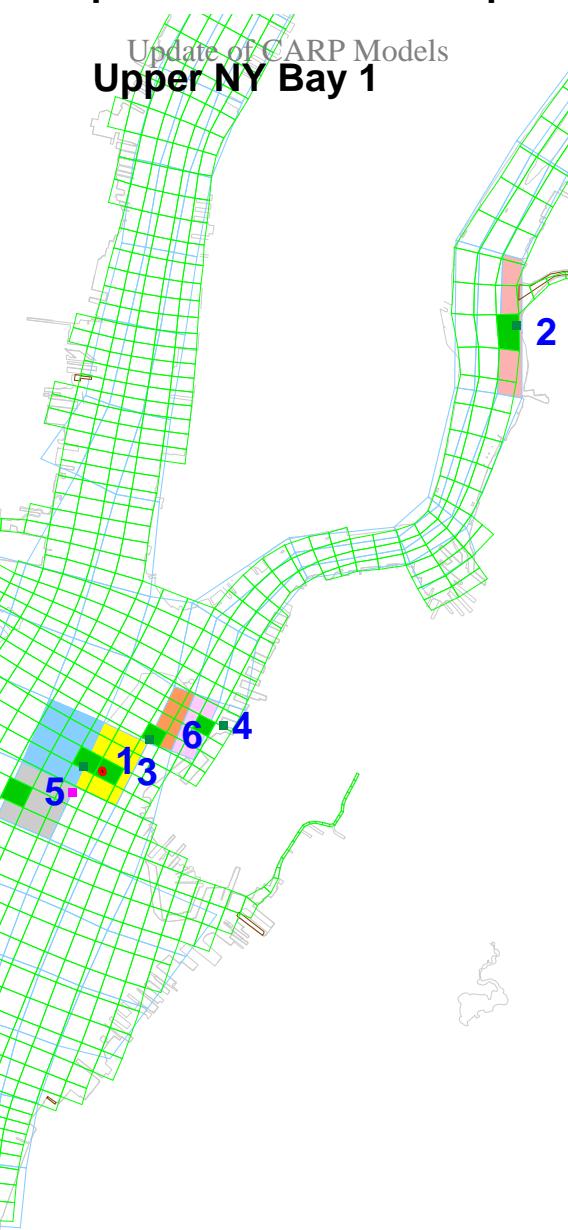
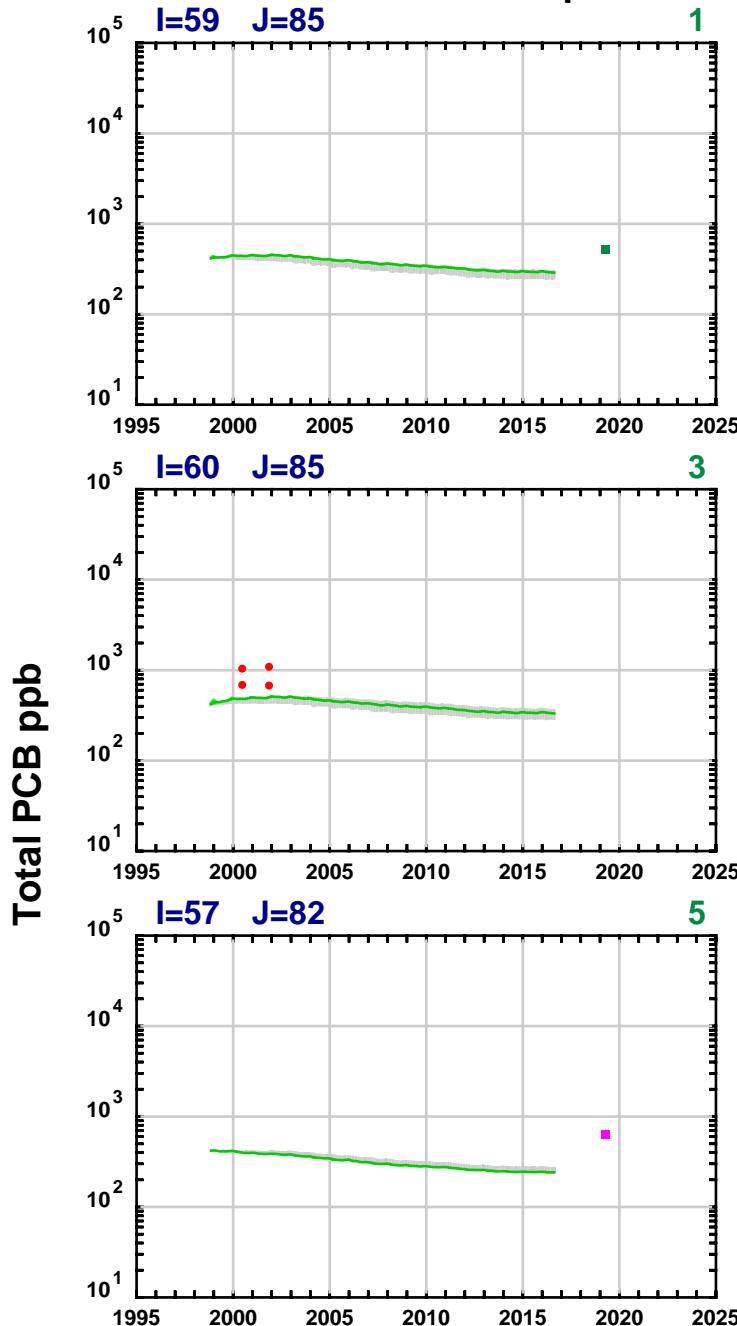
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



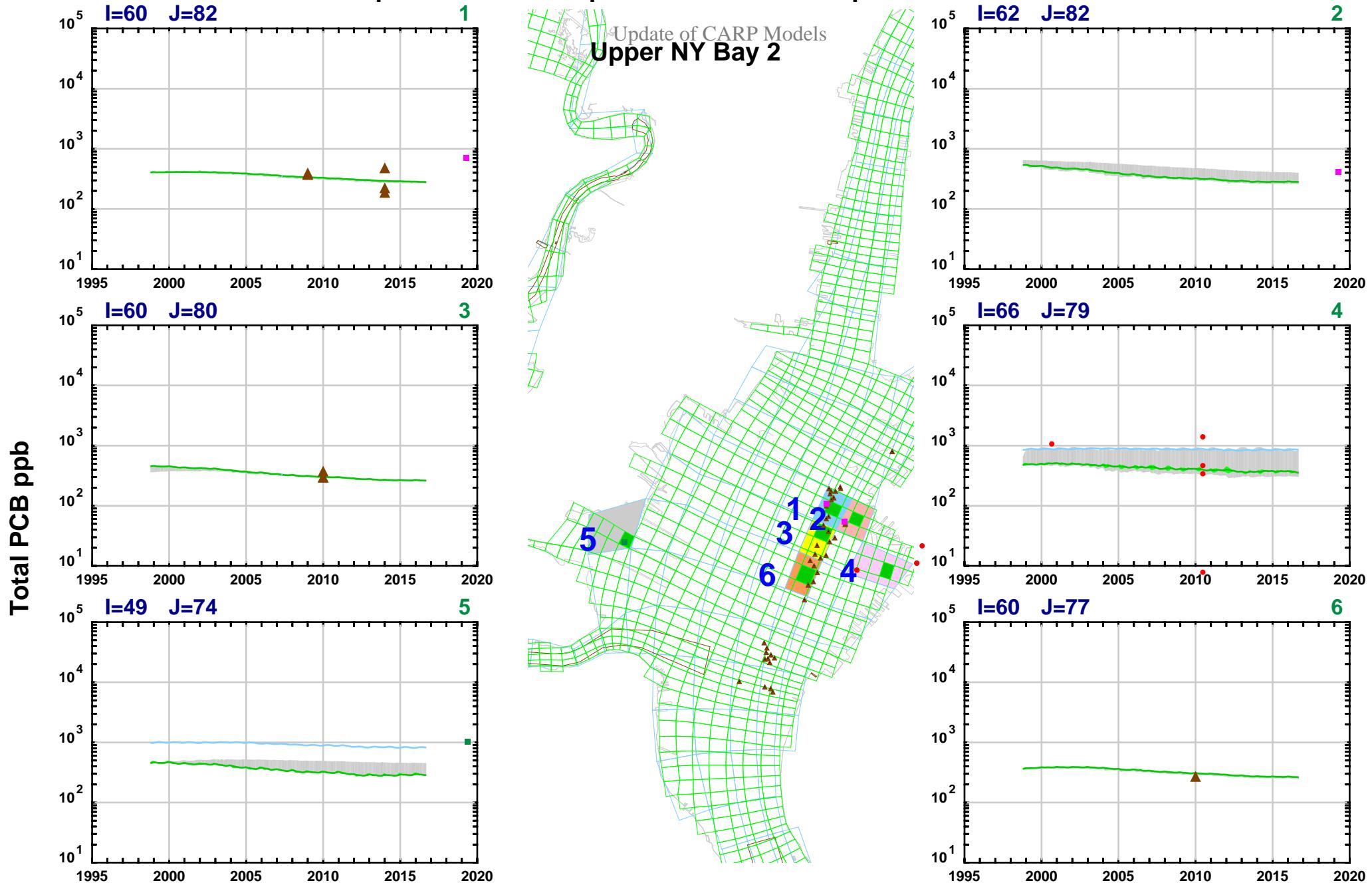
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



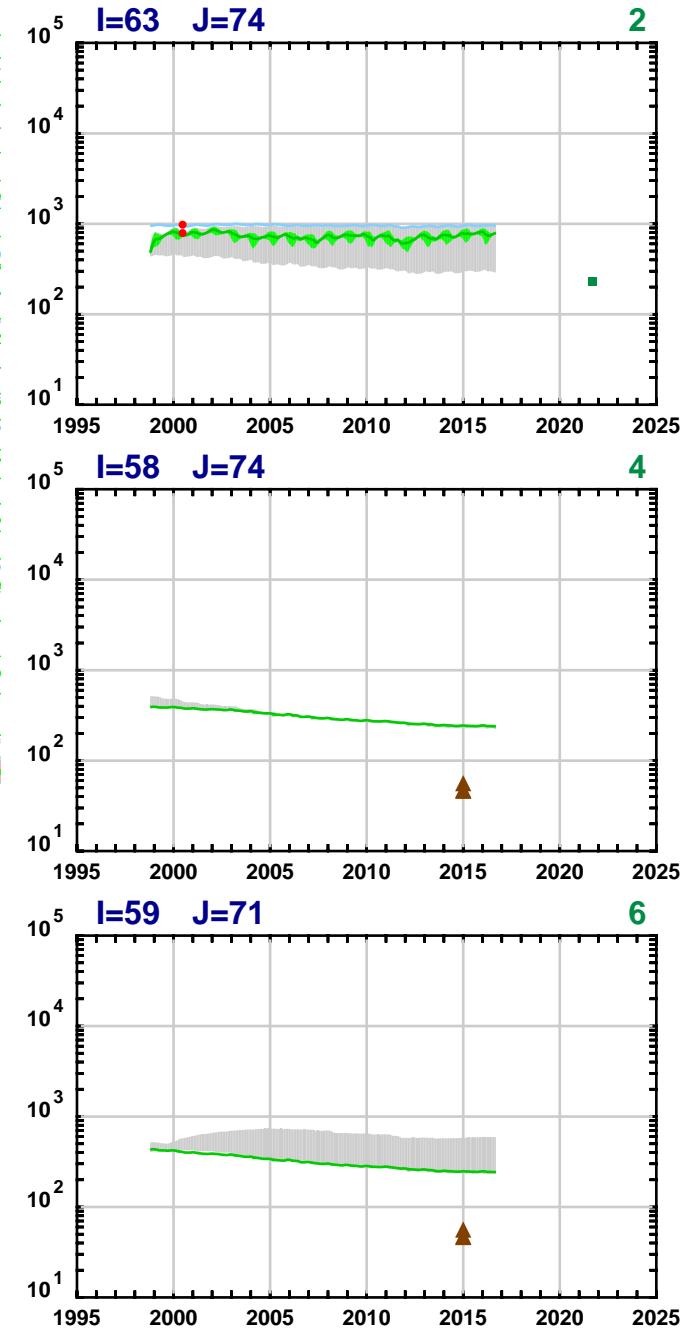
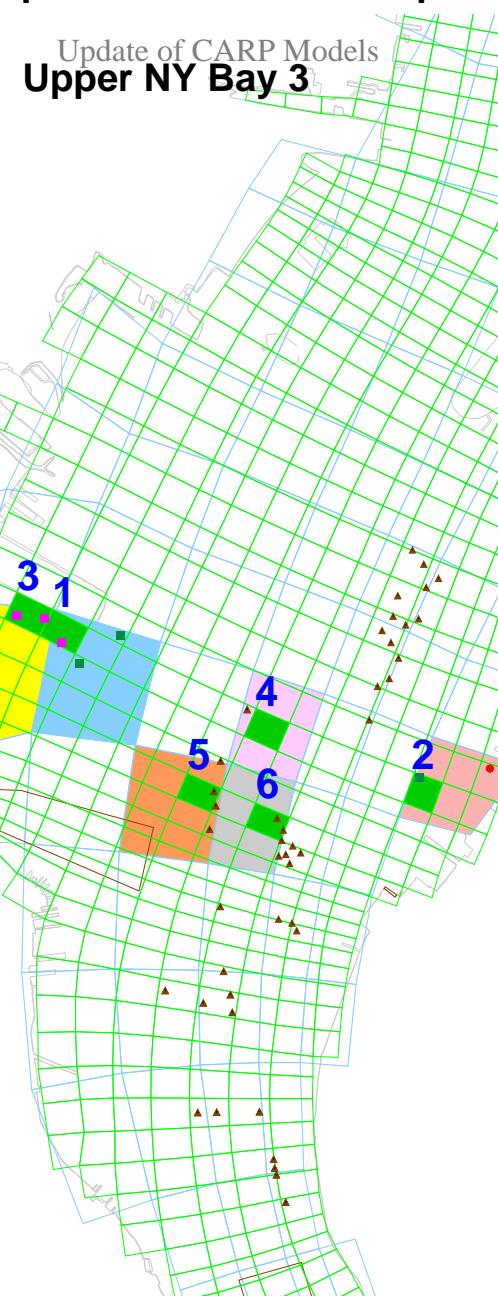
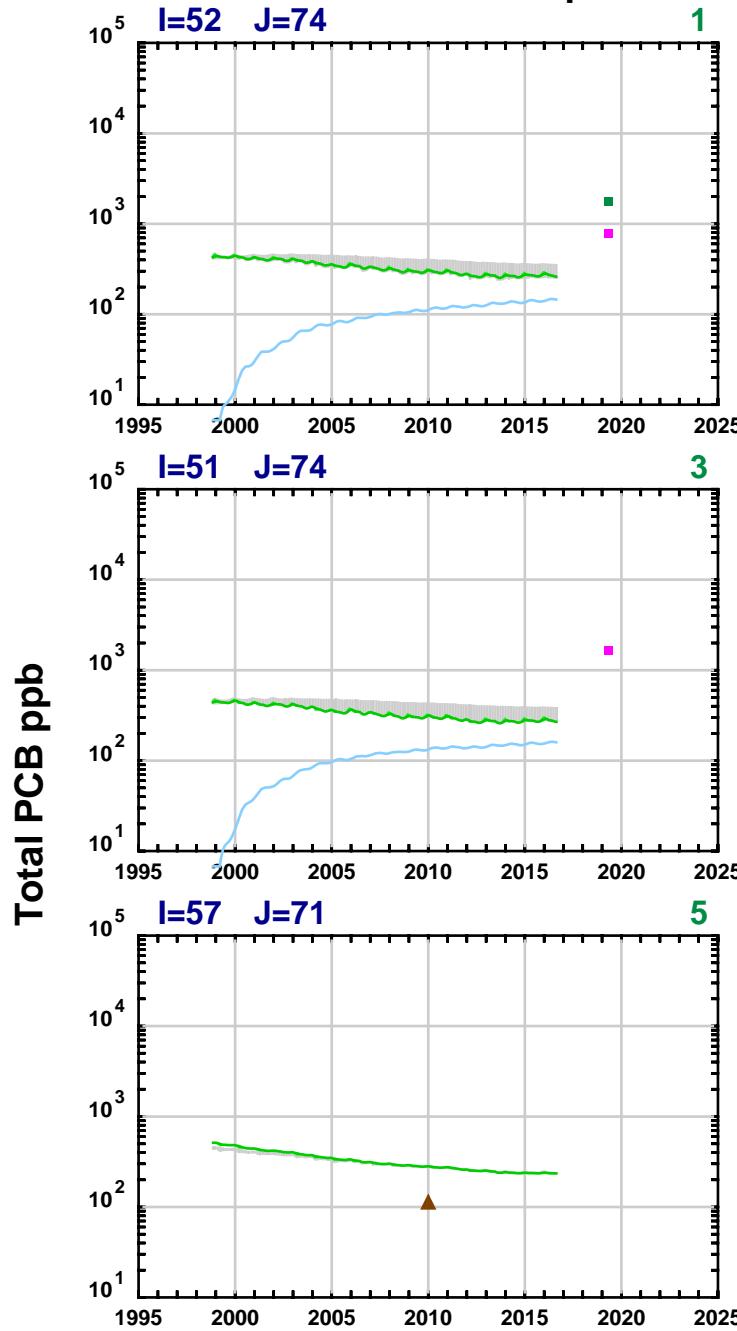
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



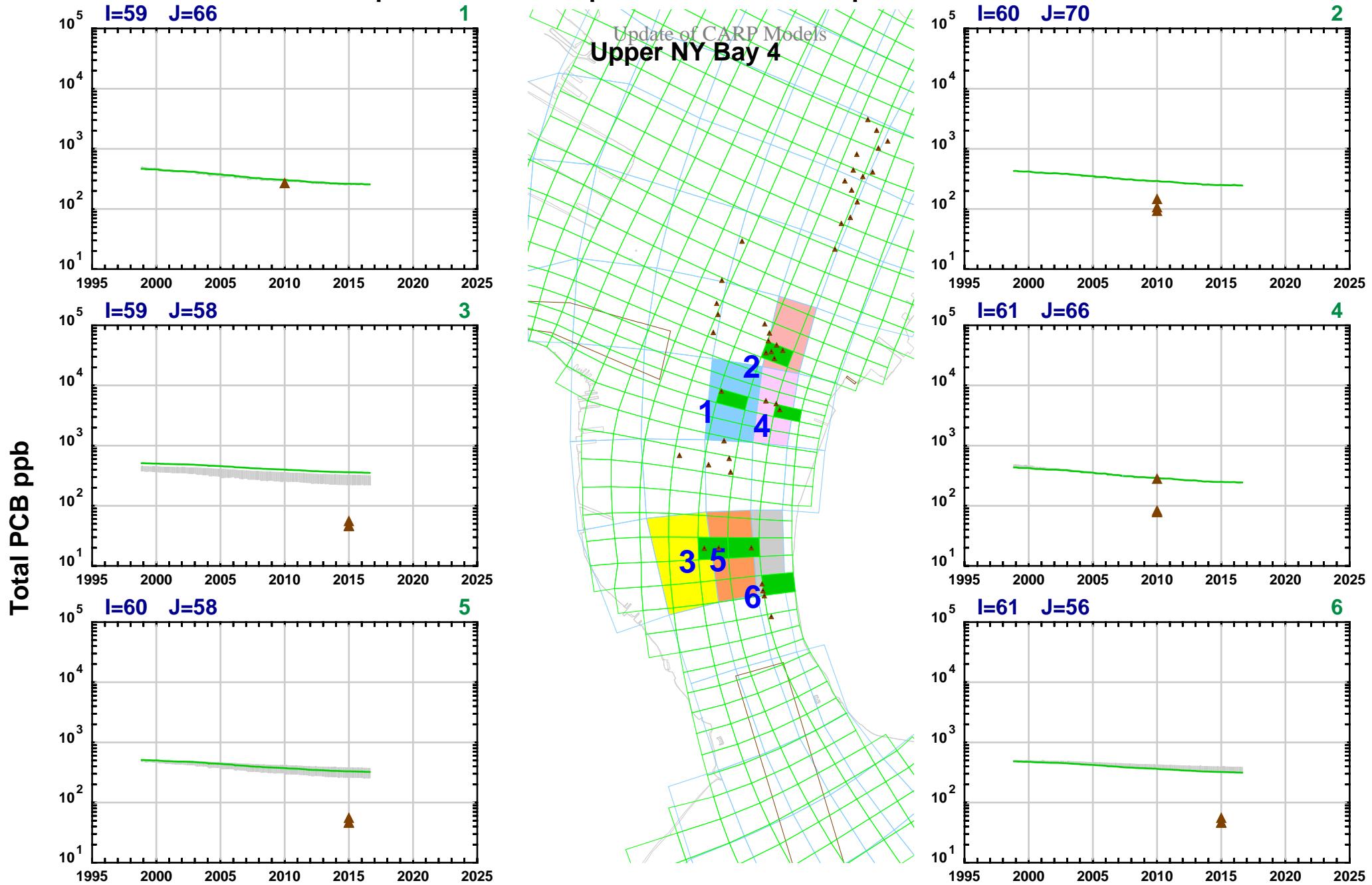
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

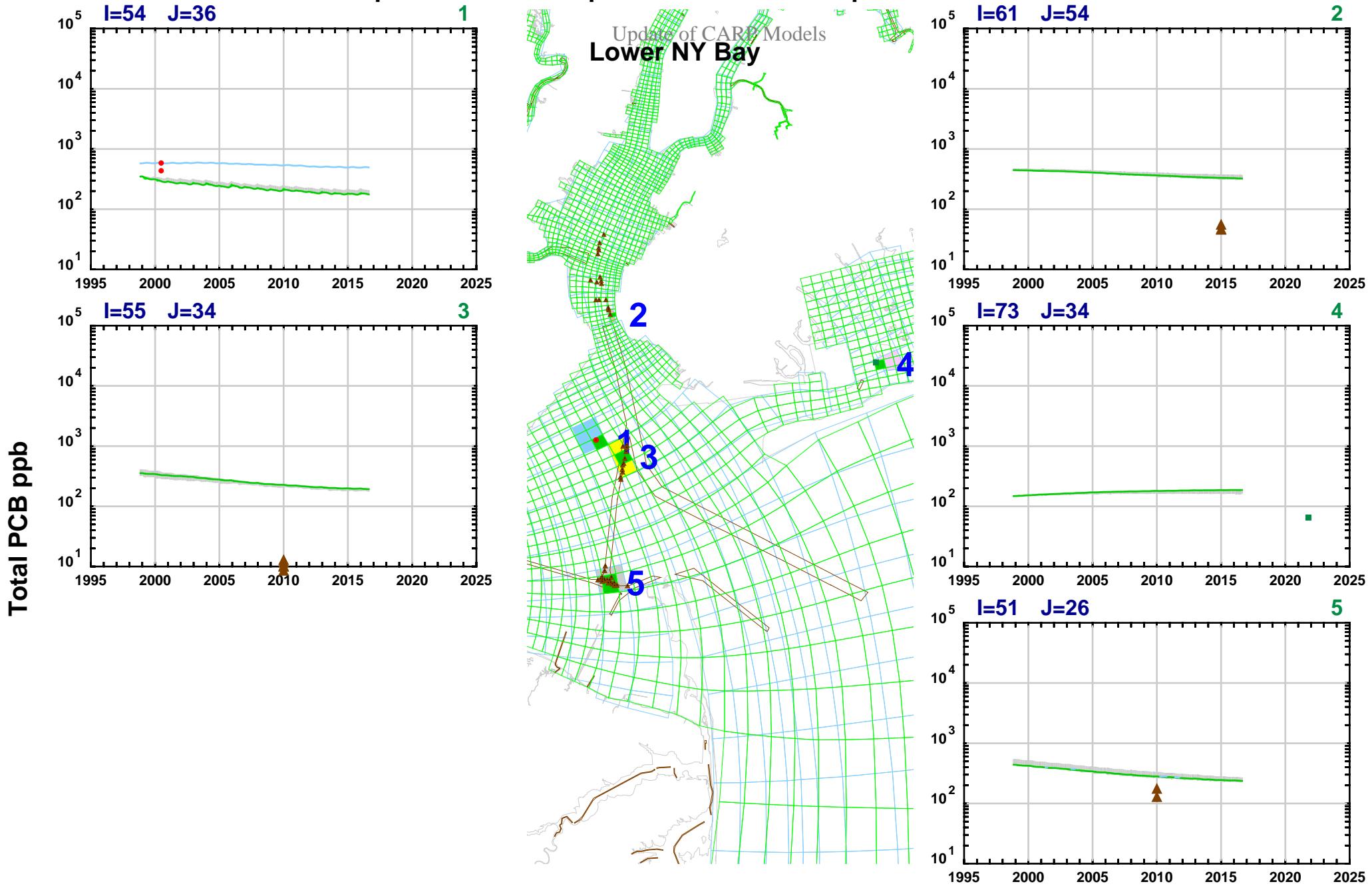


RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



RUN18

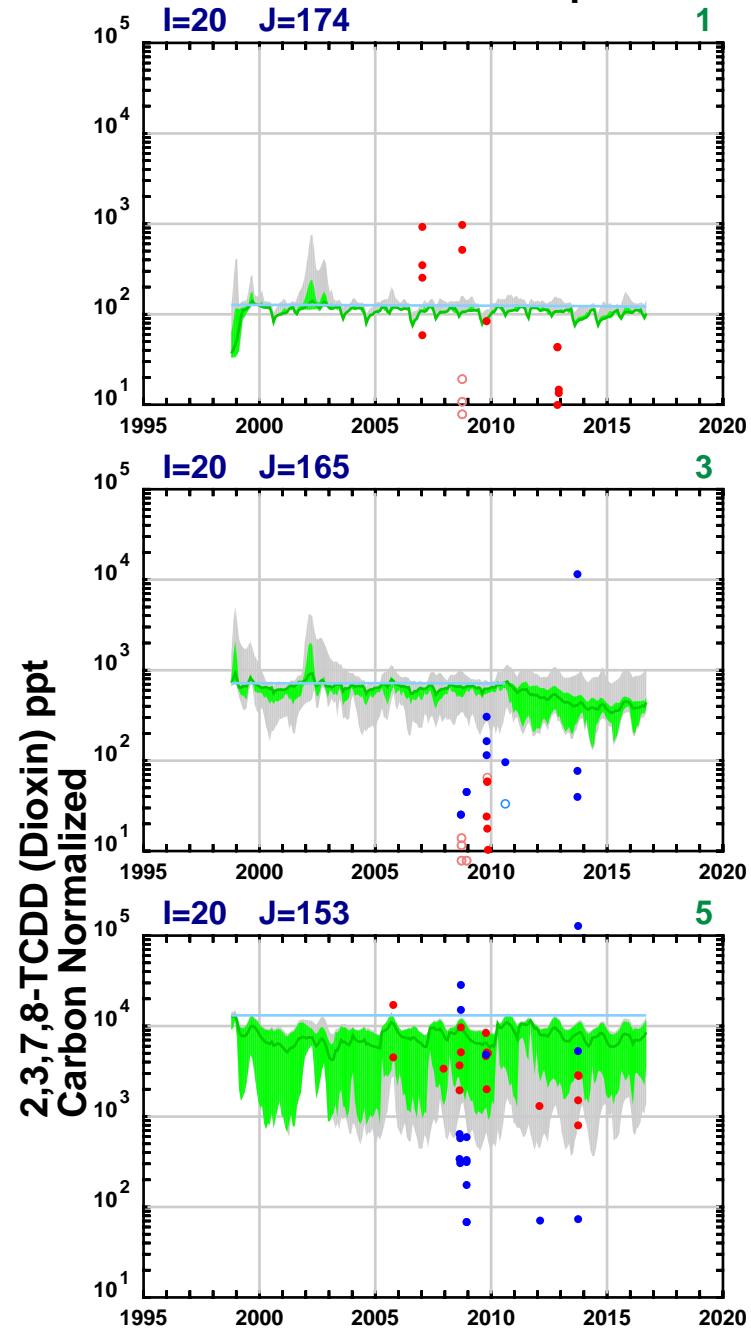
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

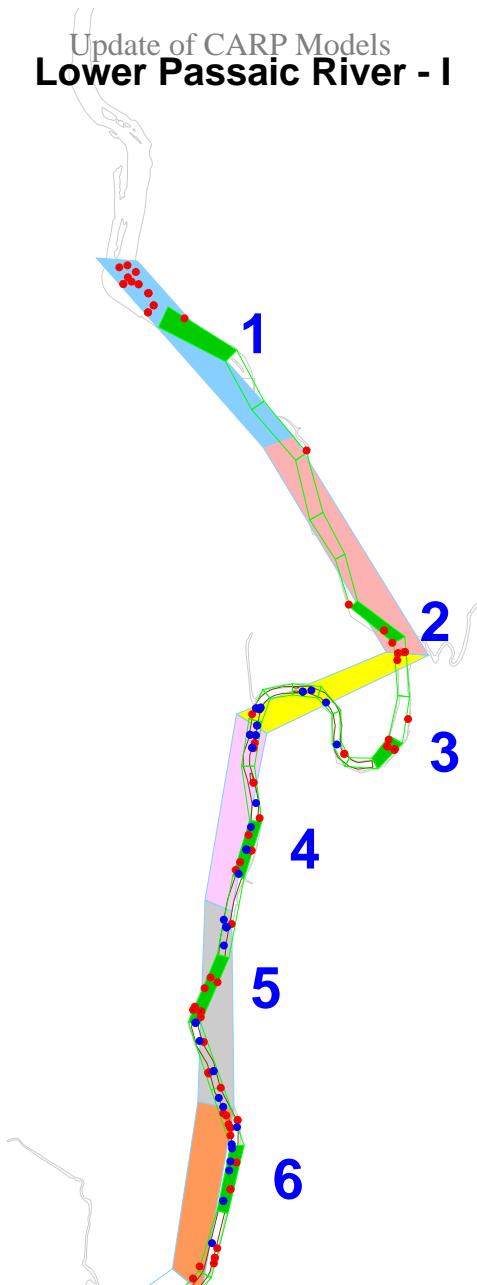
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- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I

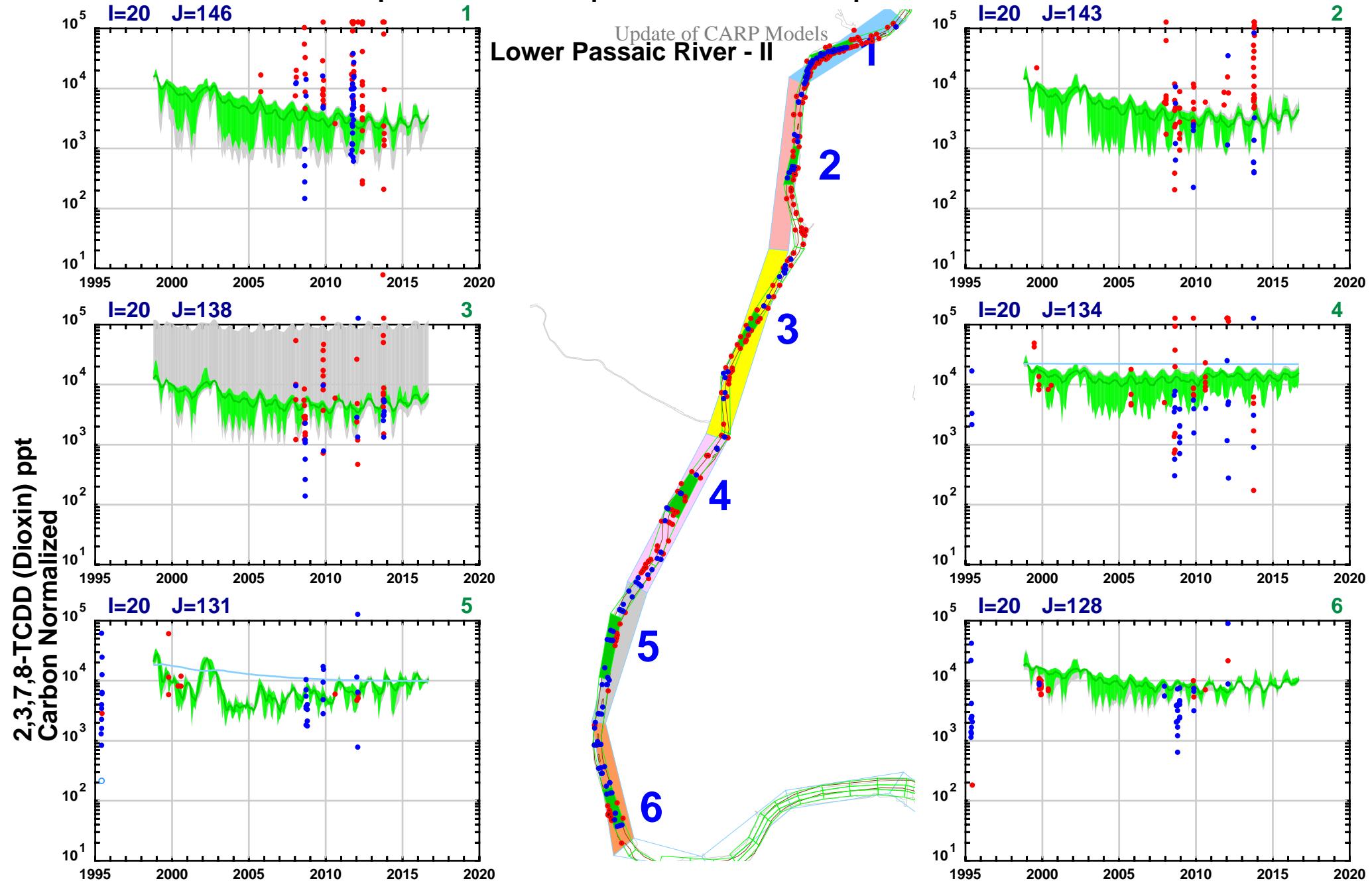


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



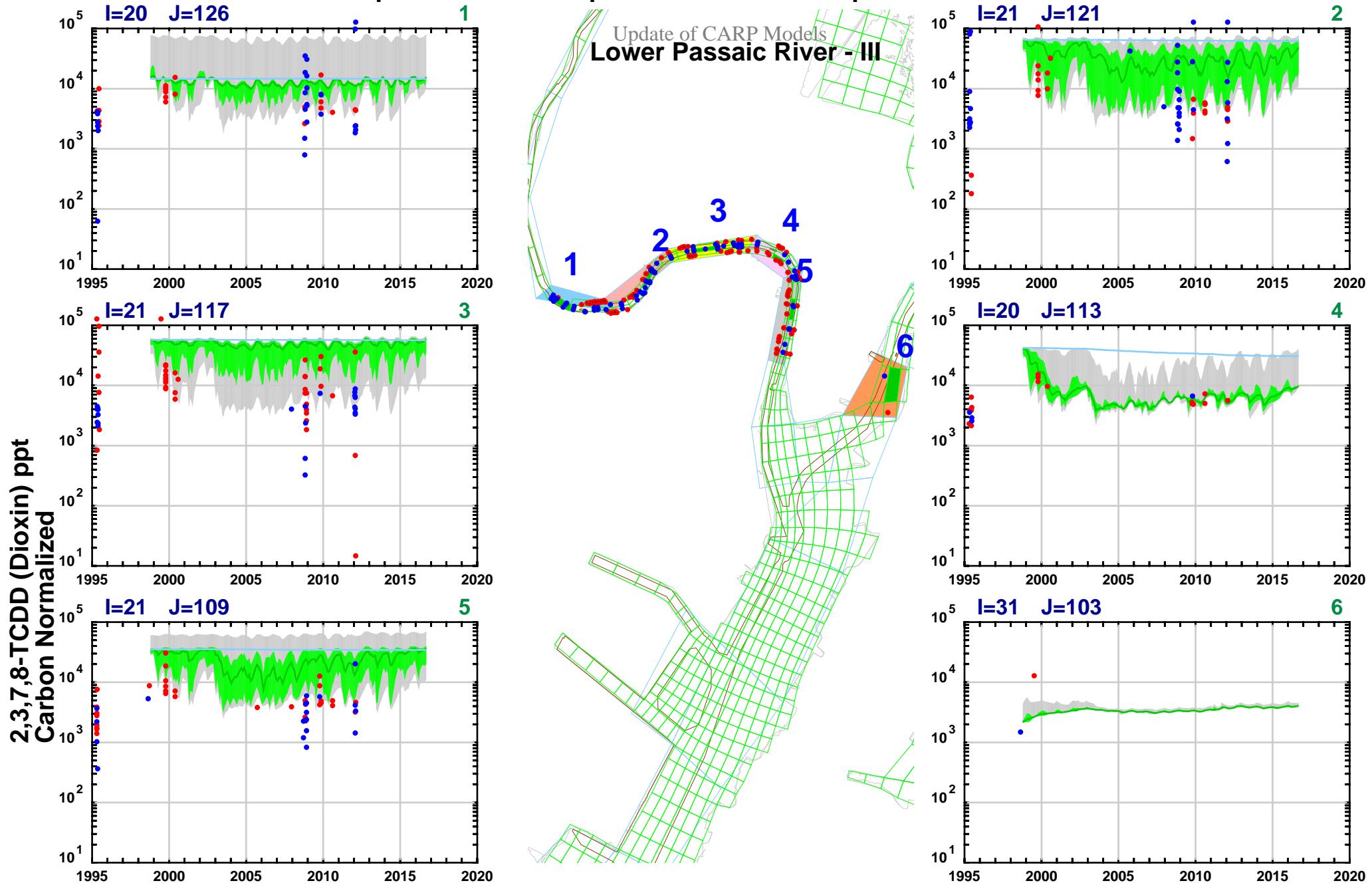
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

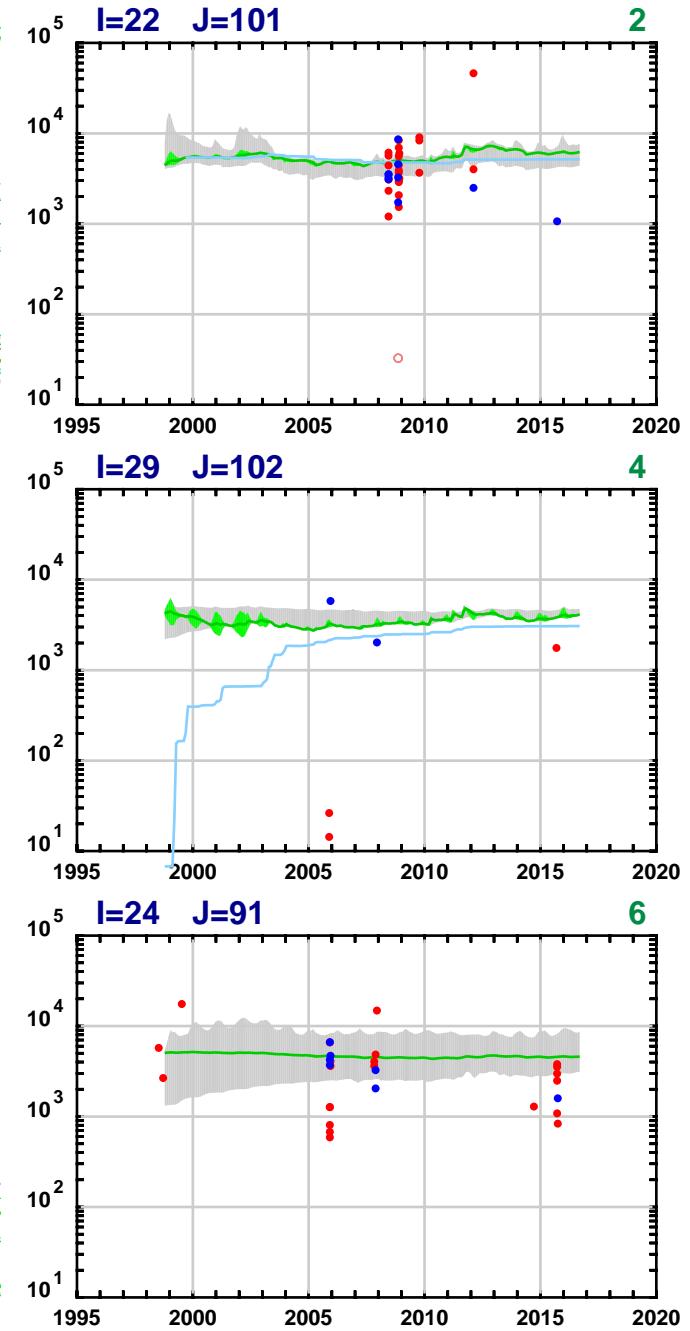
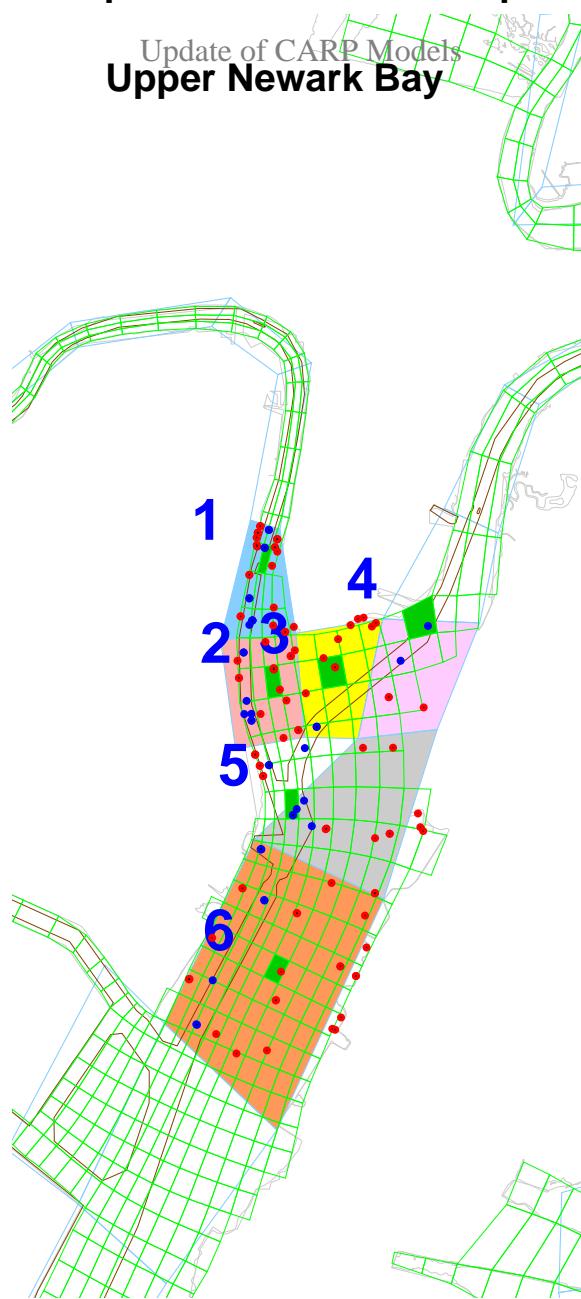
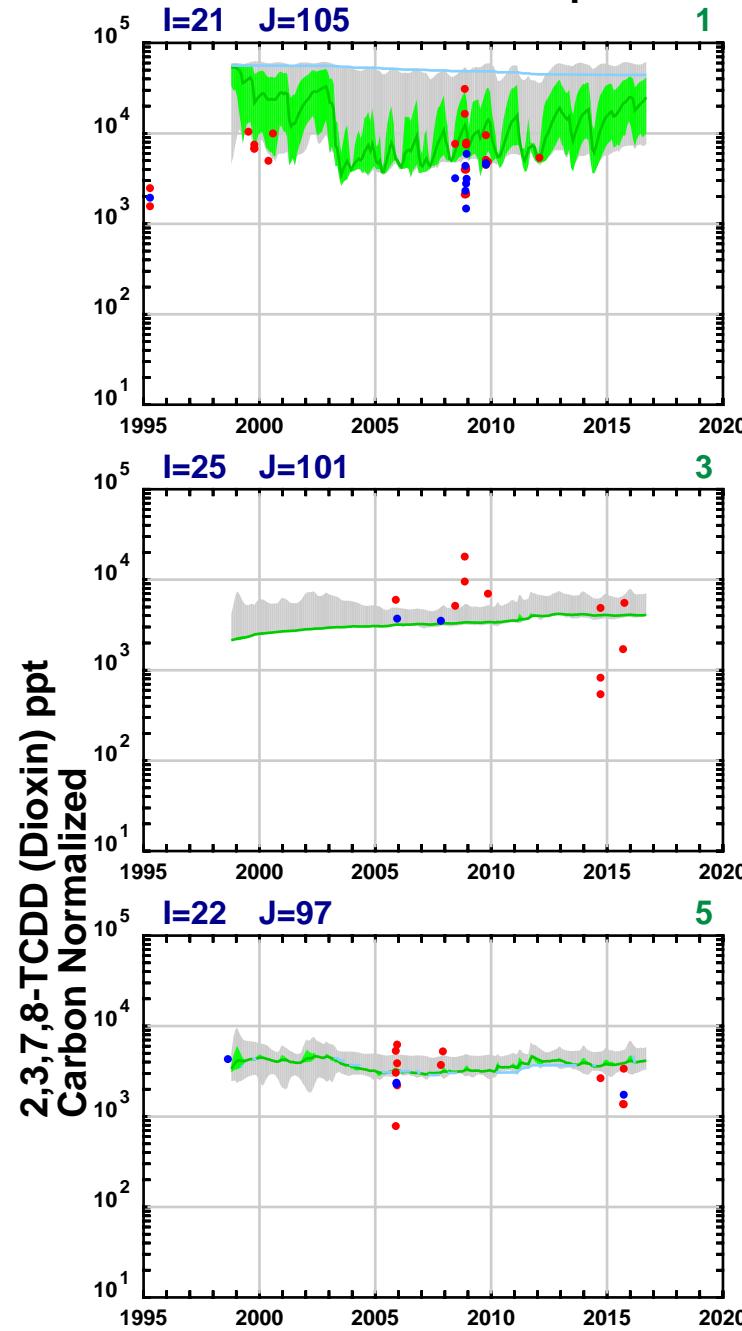


RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment

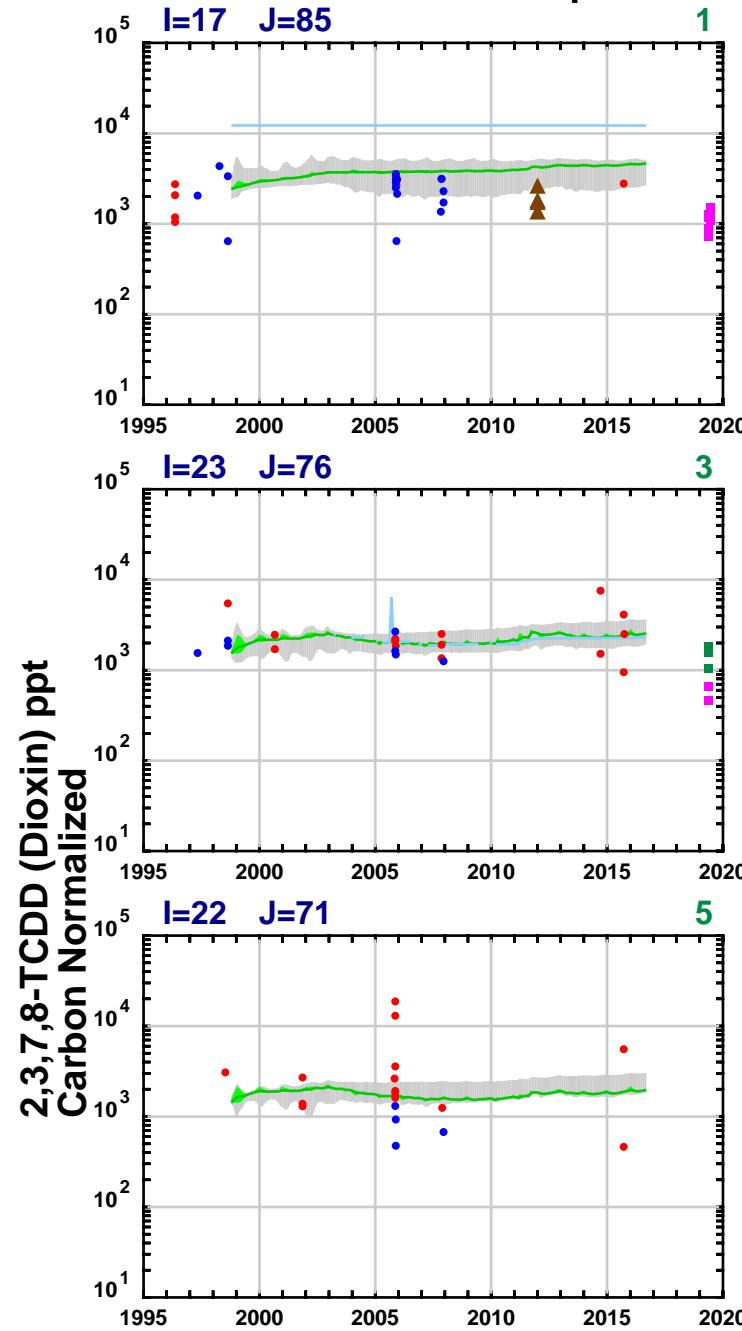


RUN18

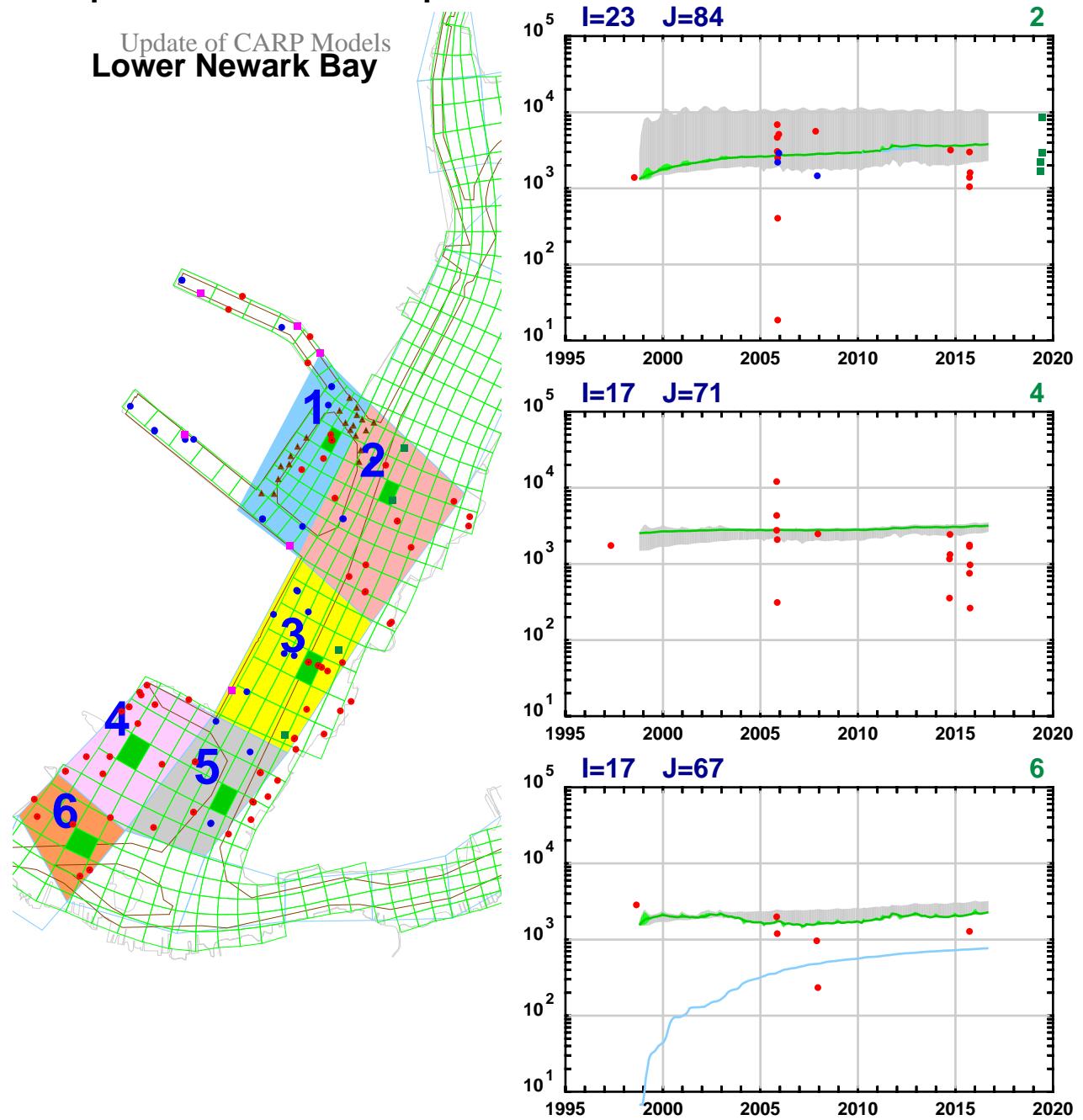
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay

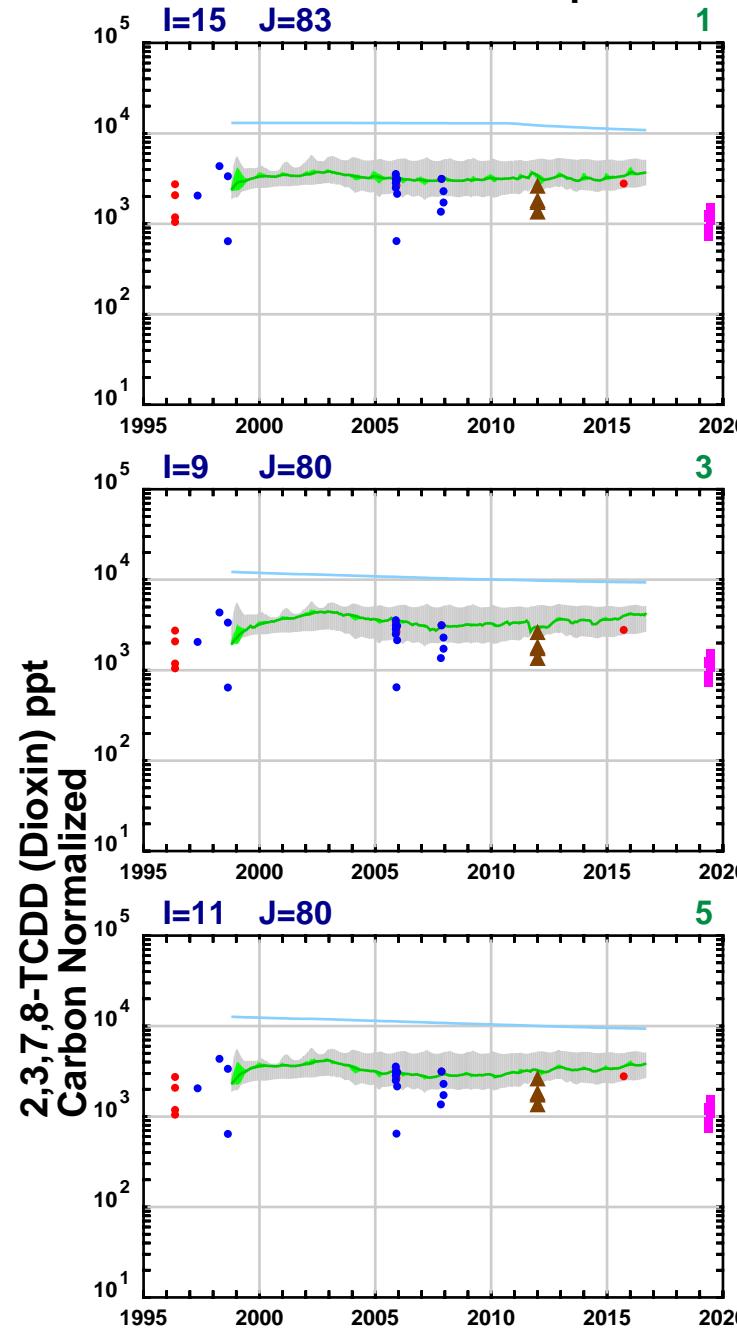


RUN18

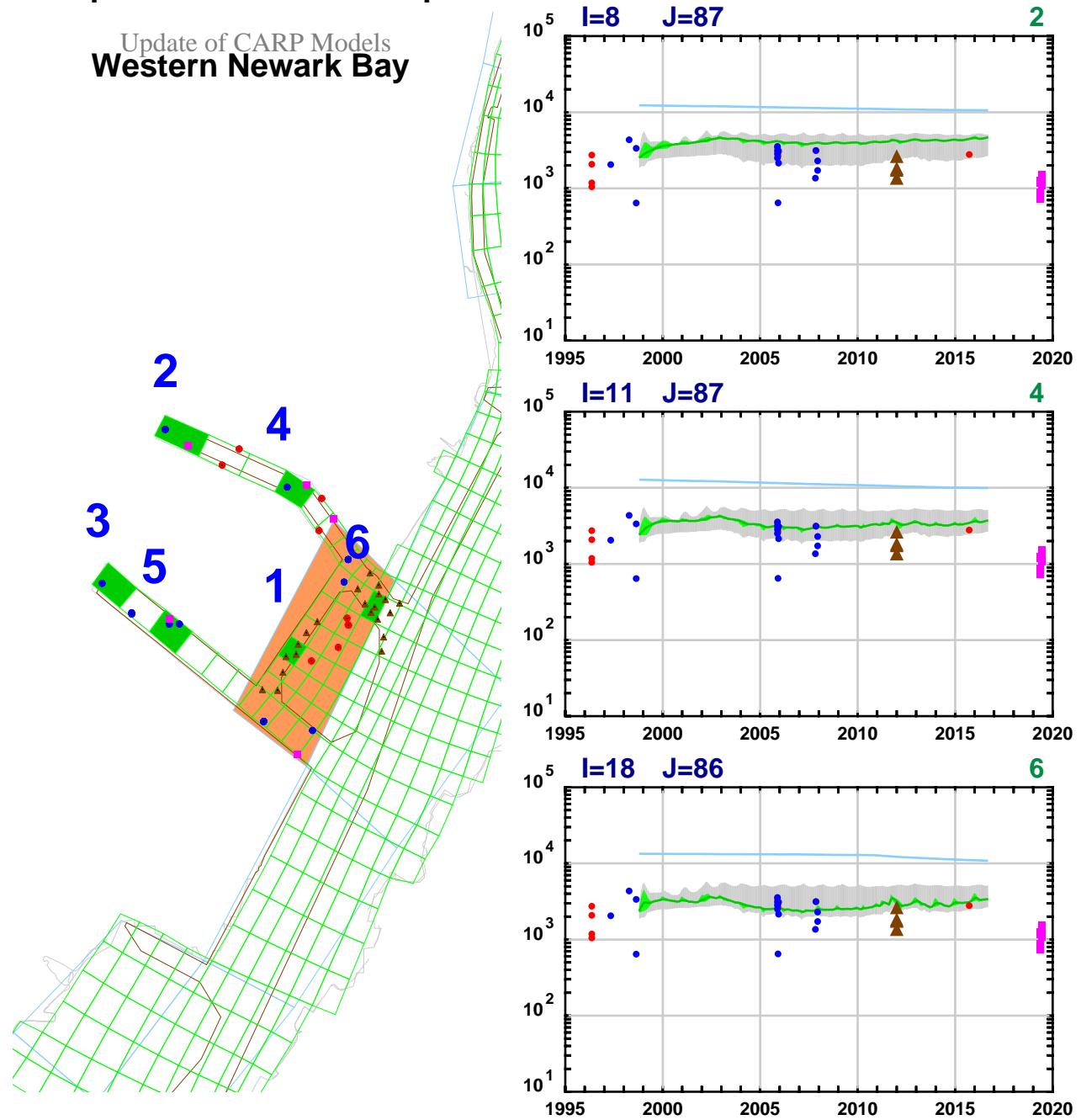
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay

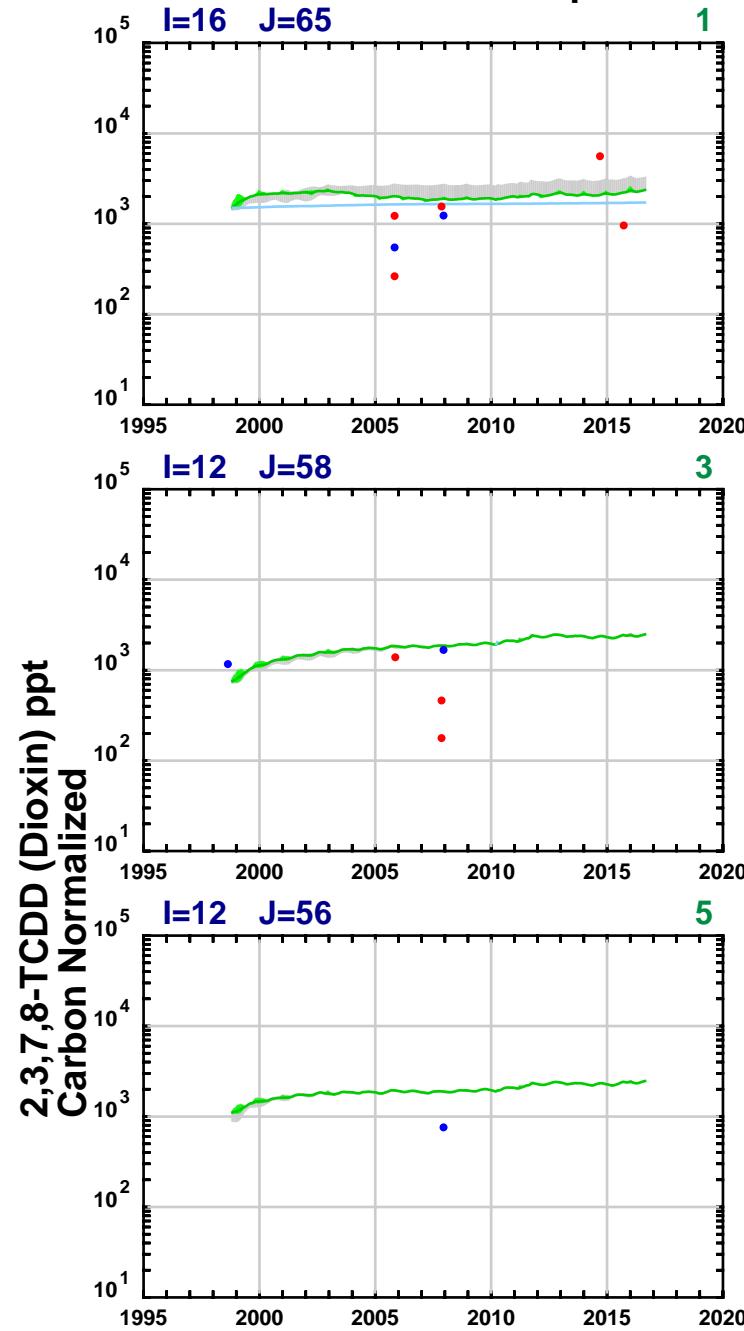


RUN18

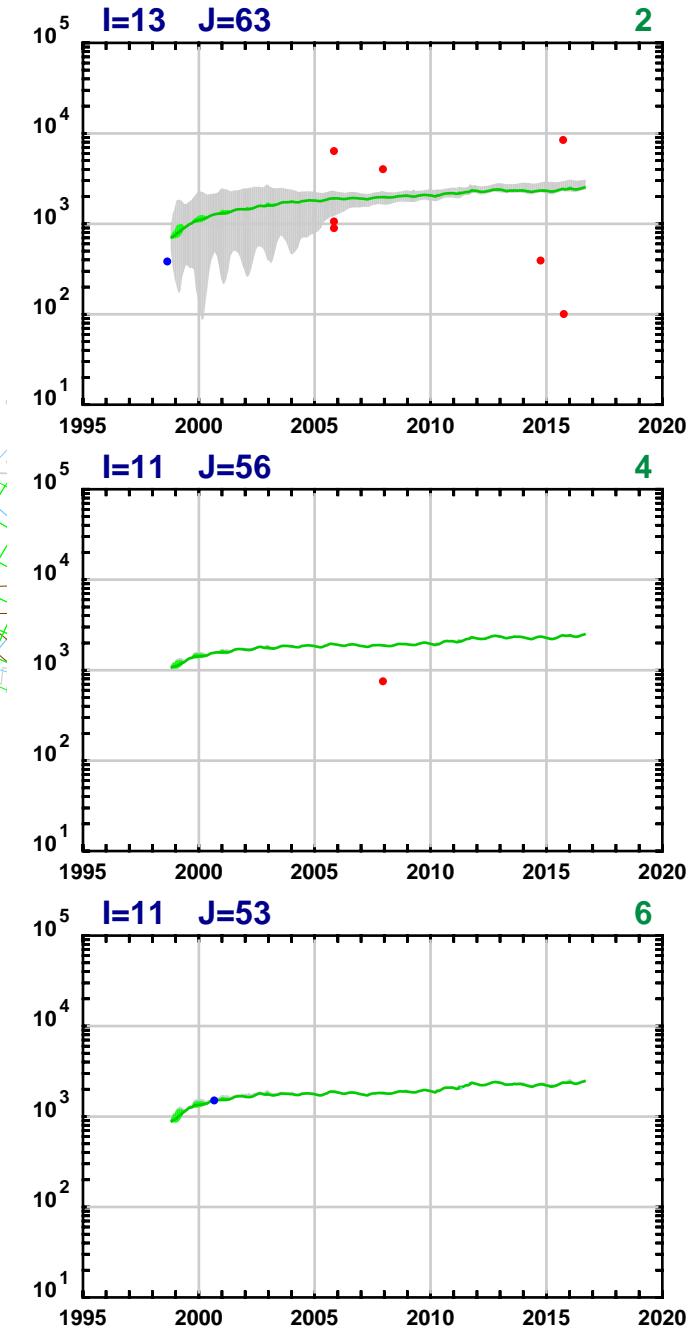
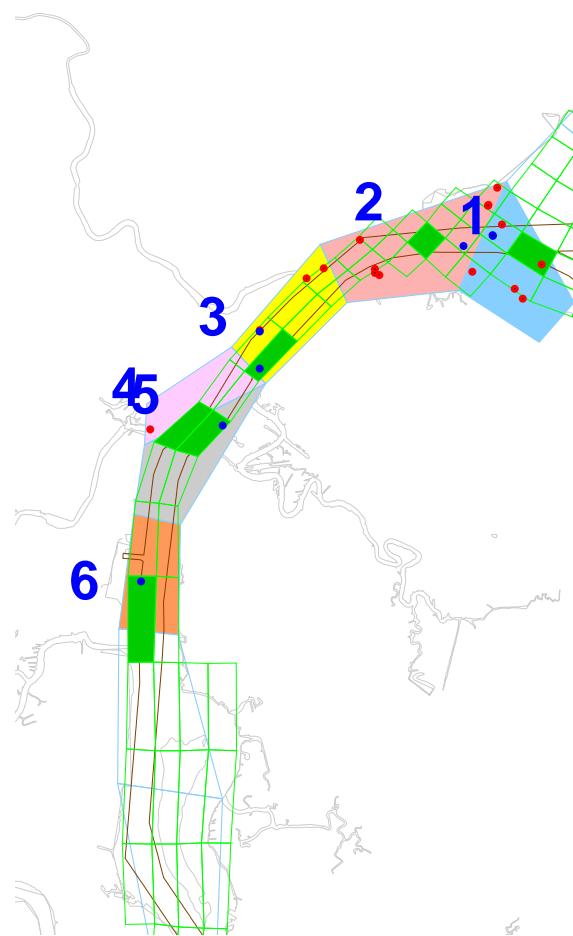
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1



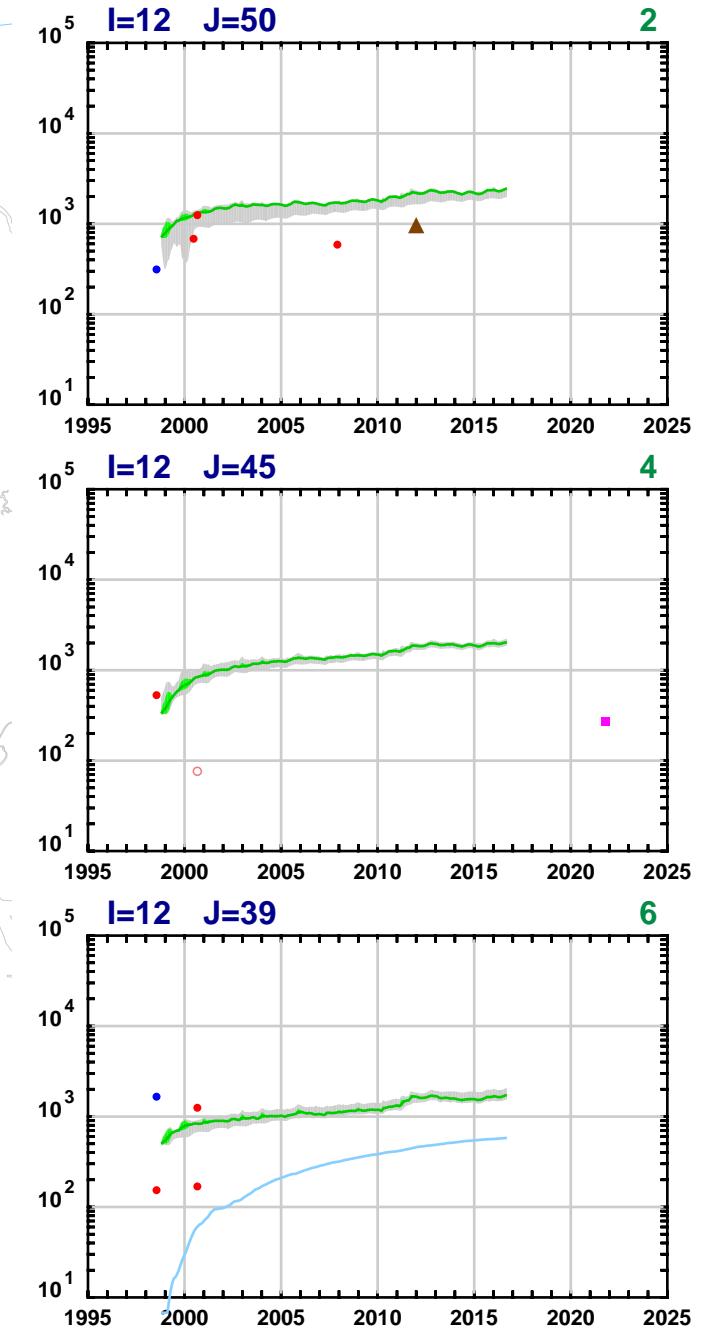
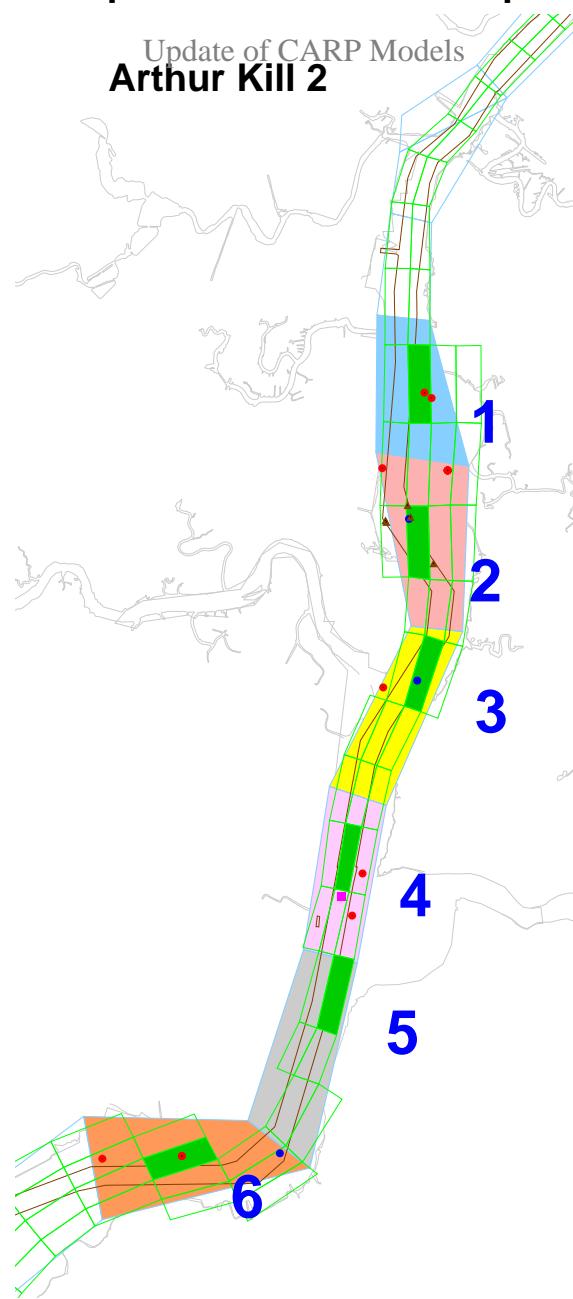
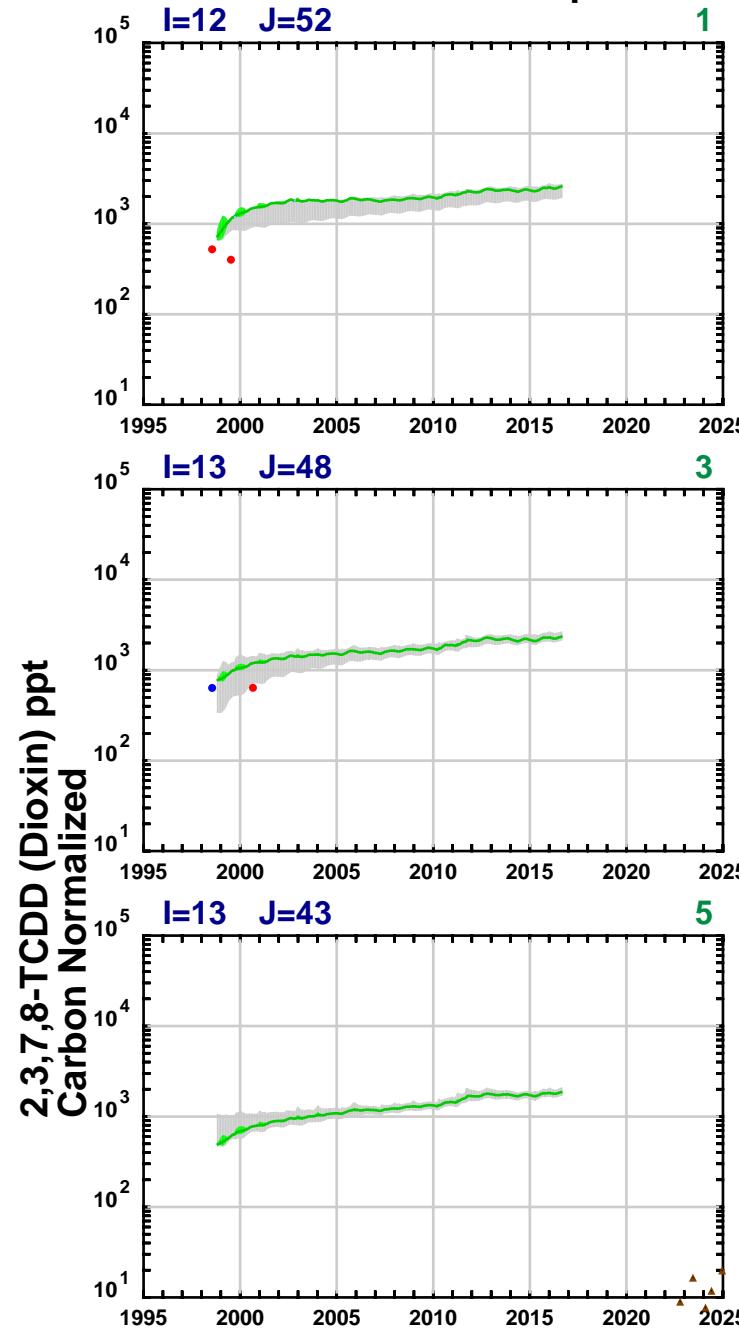
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

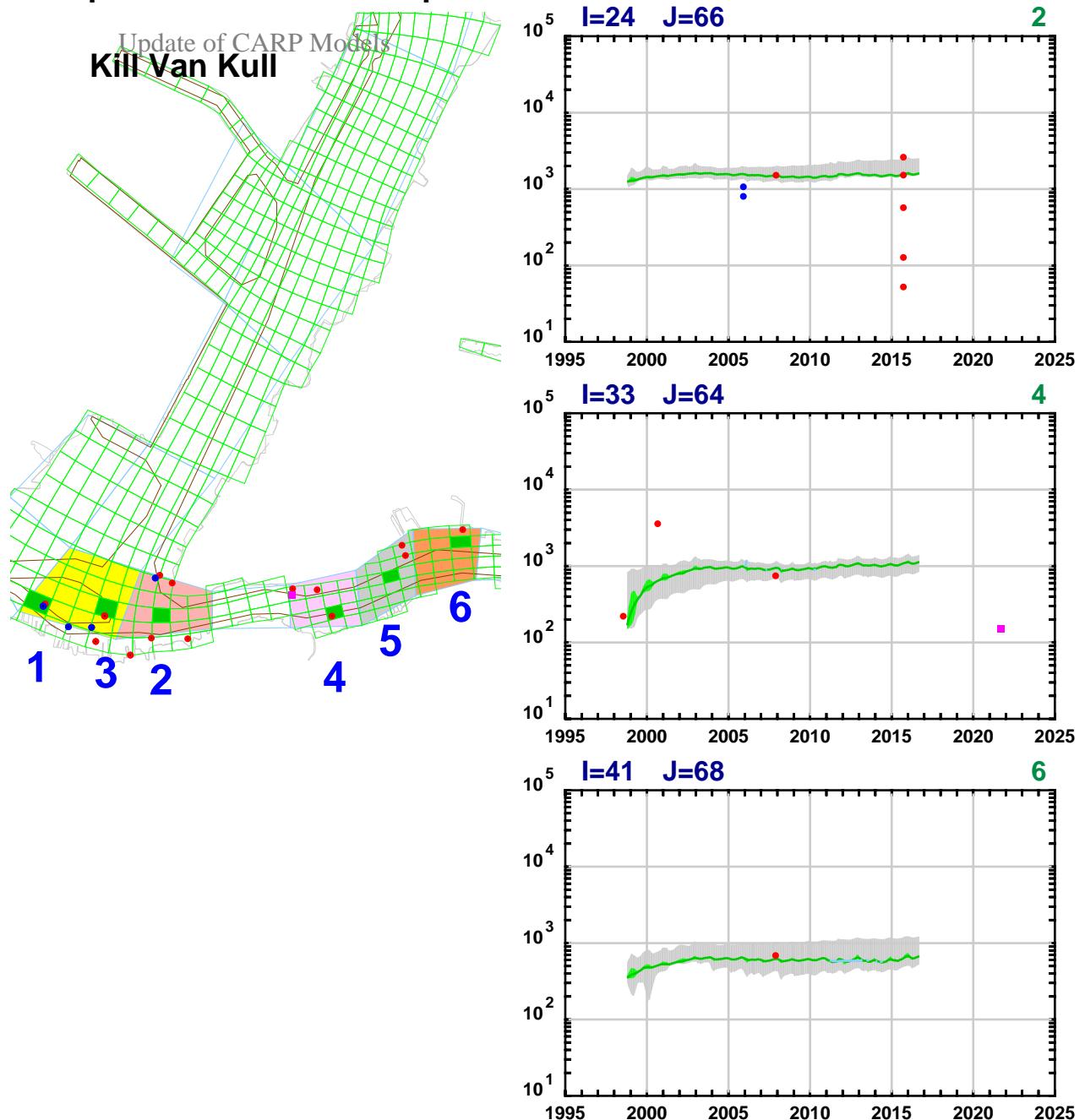
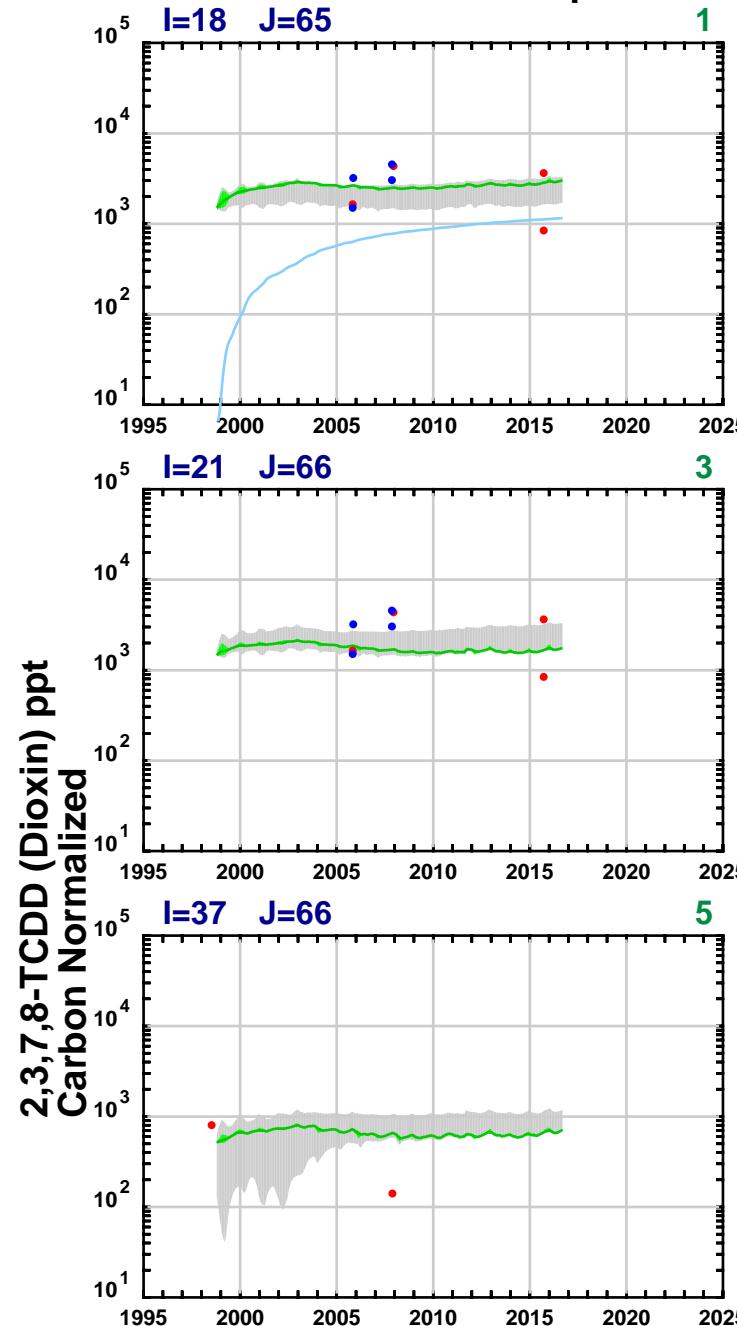


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

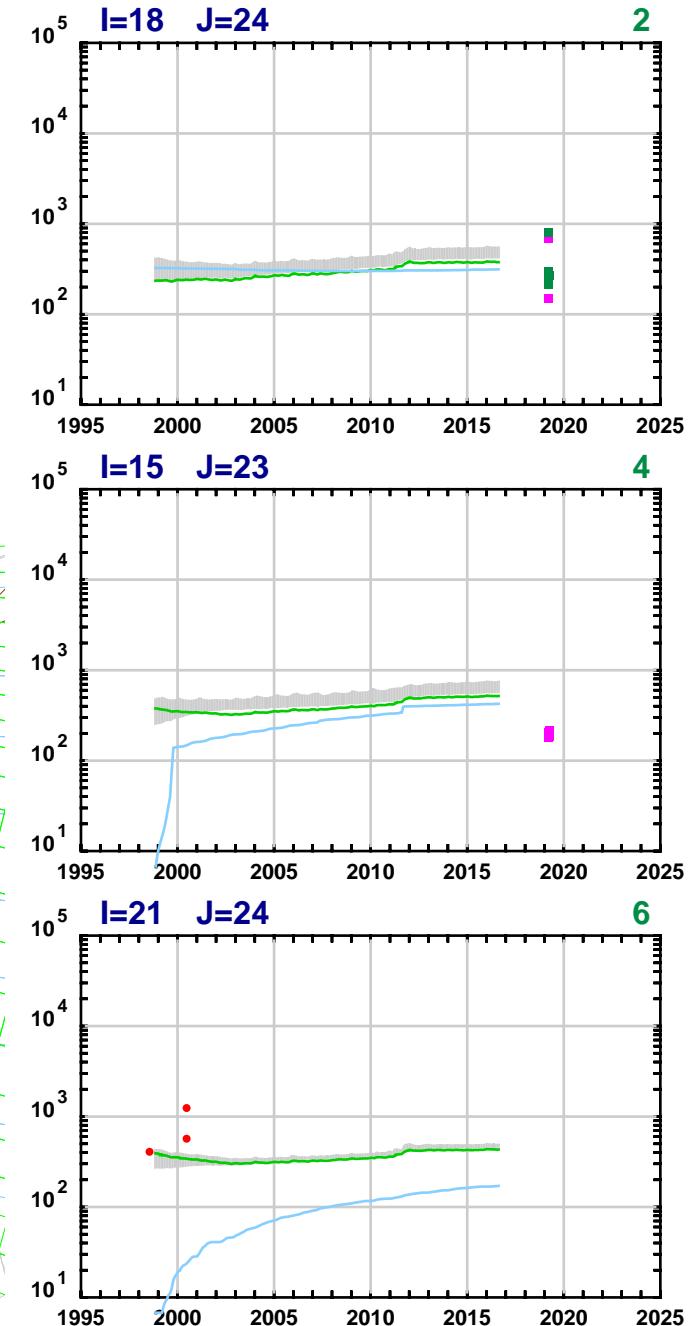
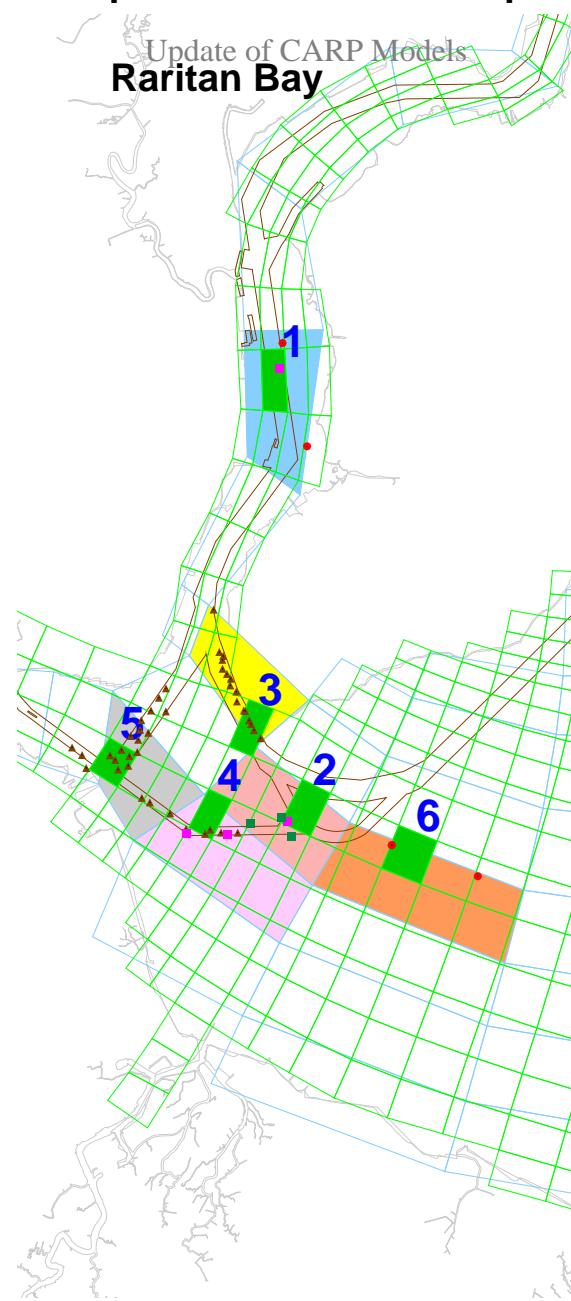
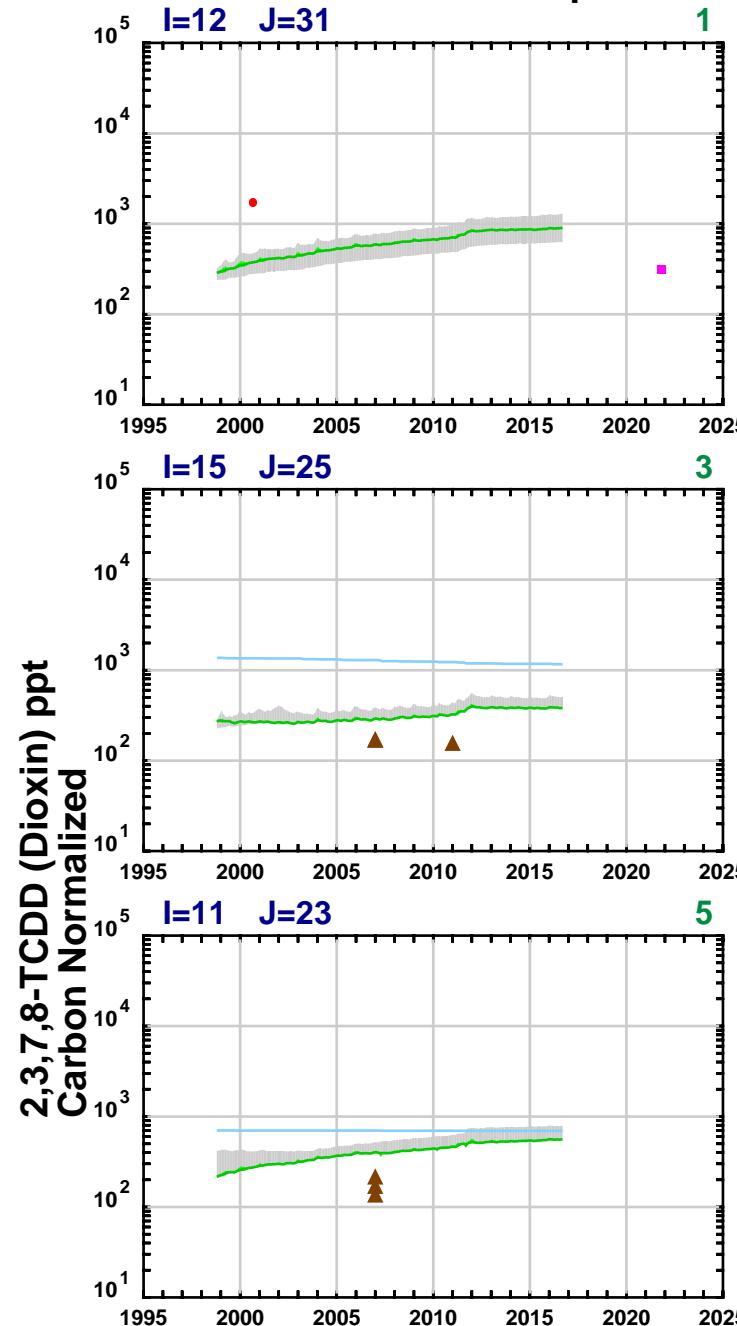


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



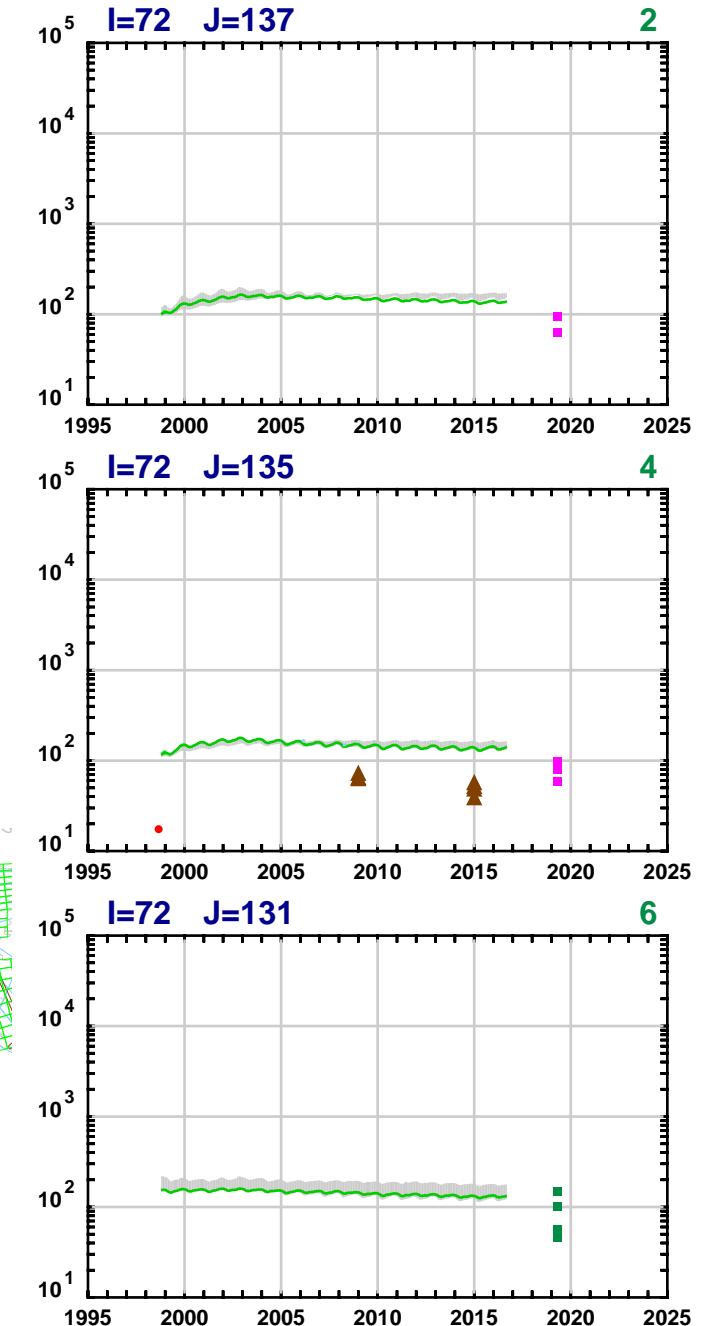
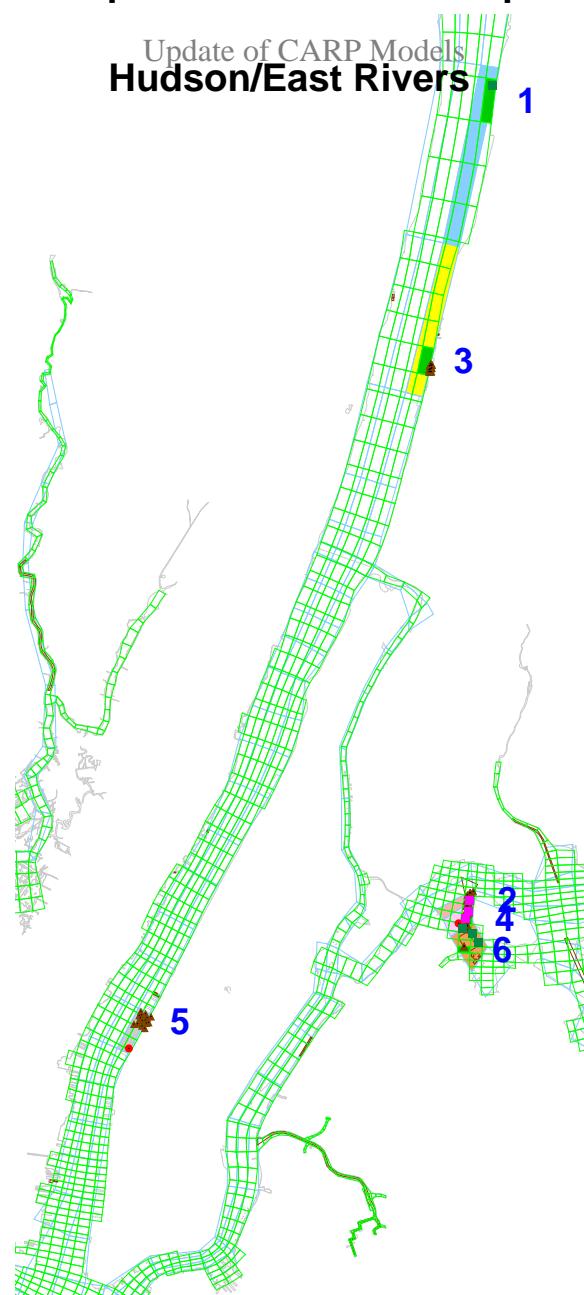
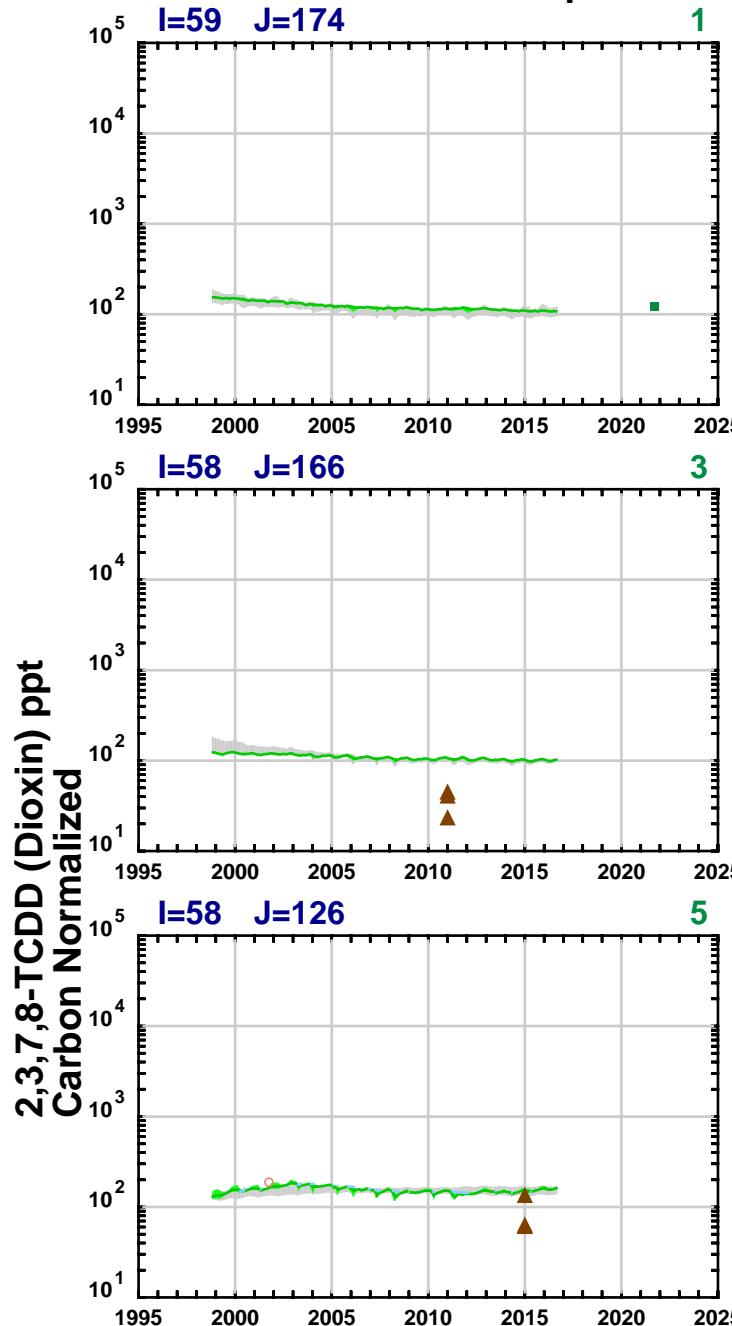
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

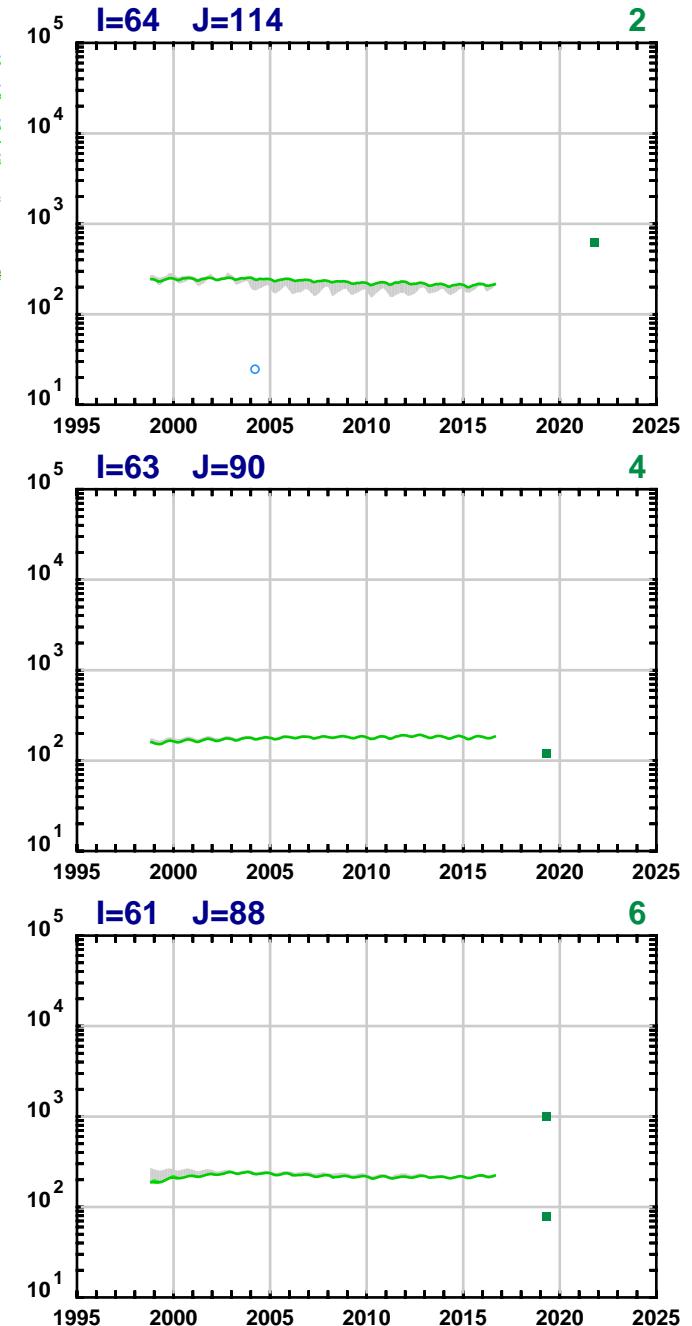
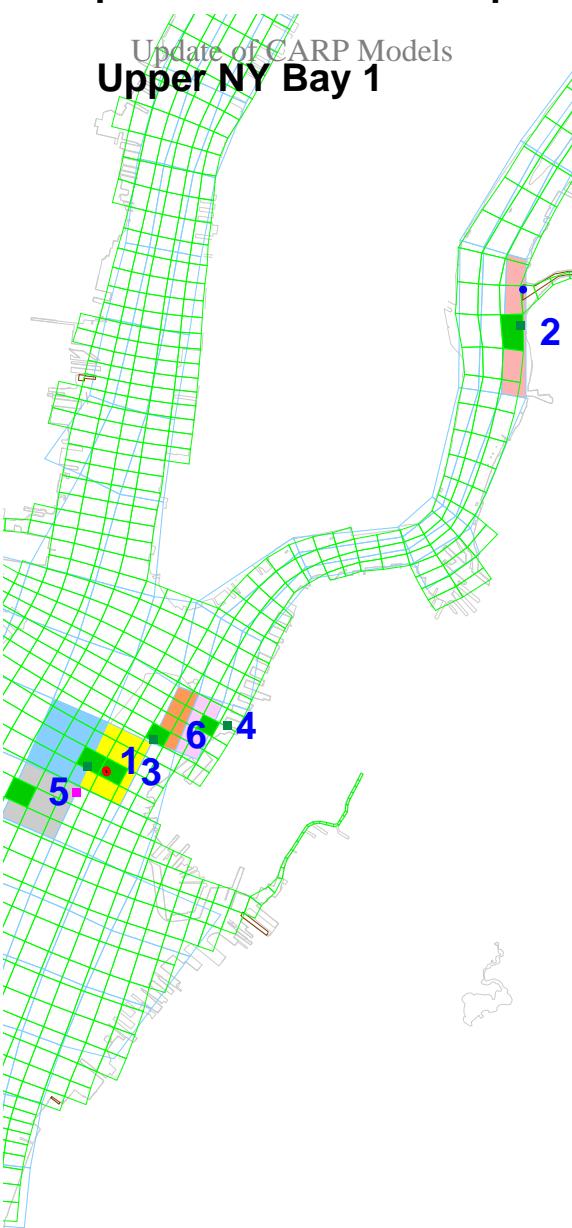
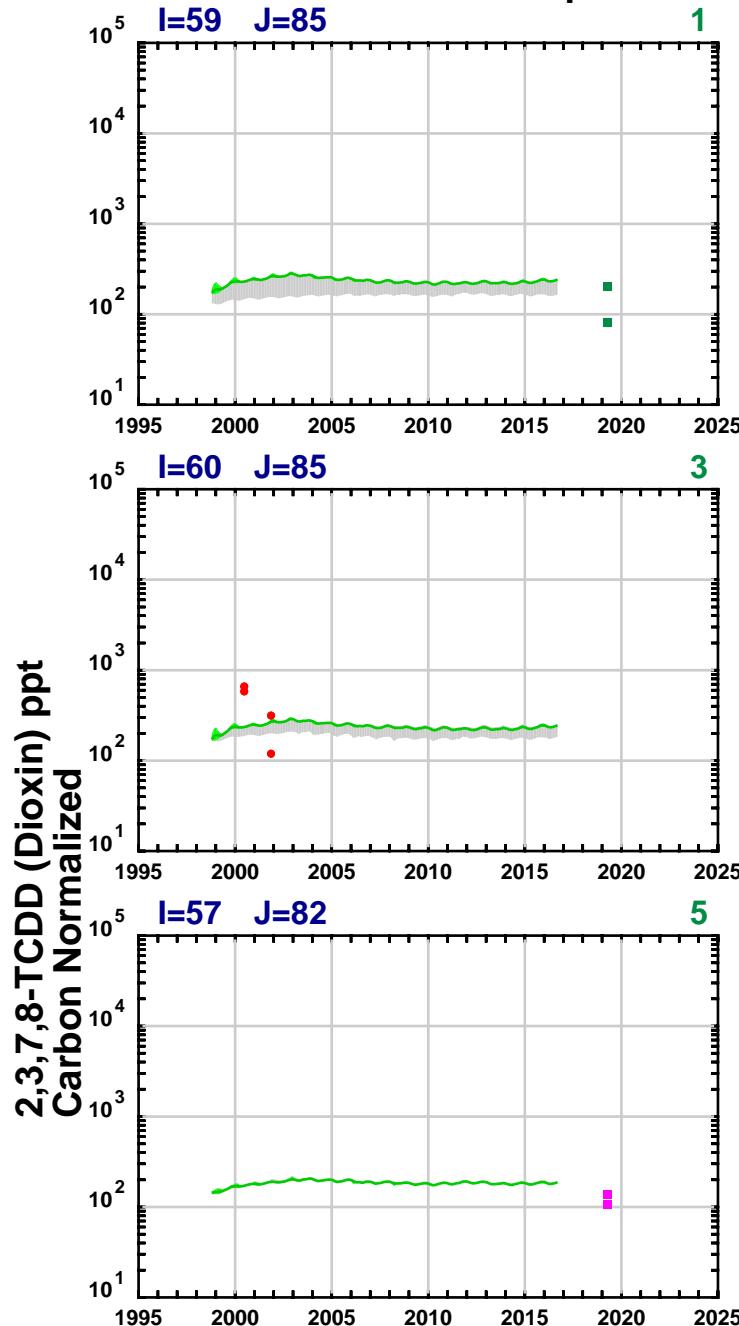


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

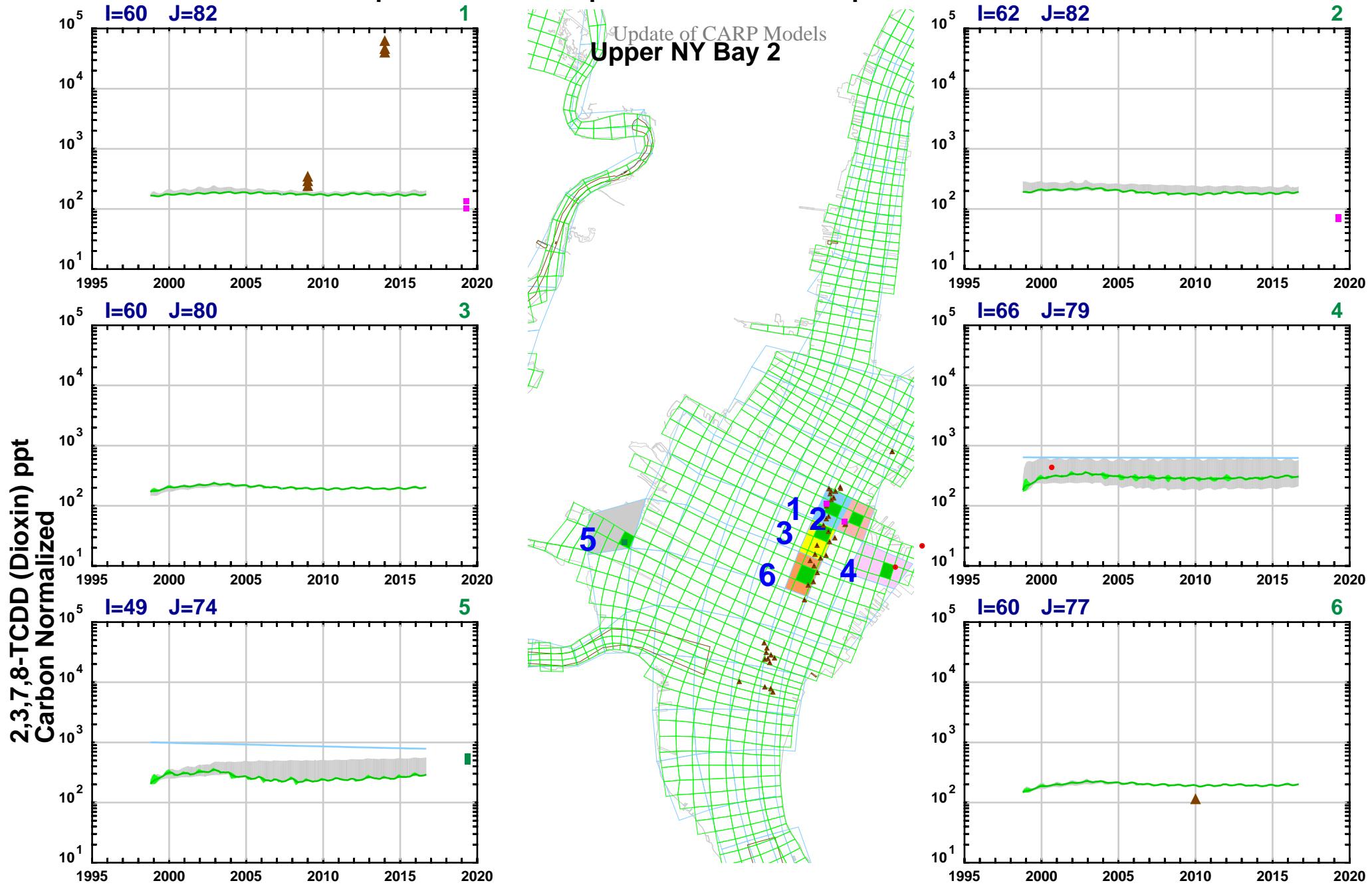


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



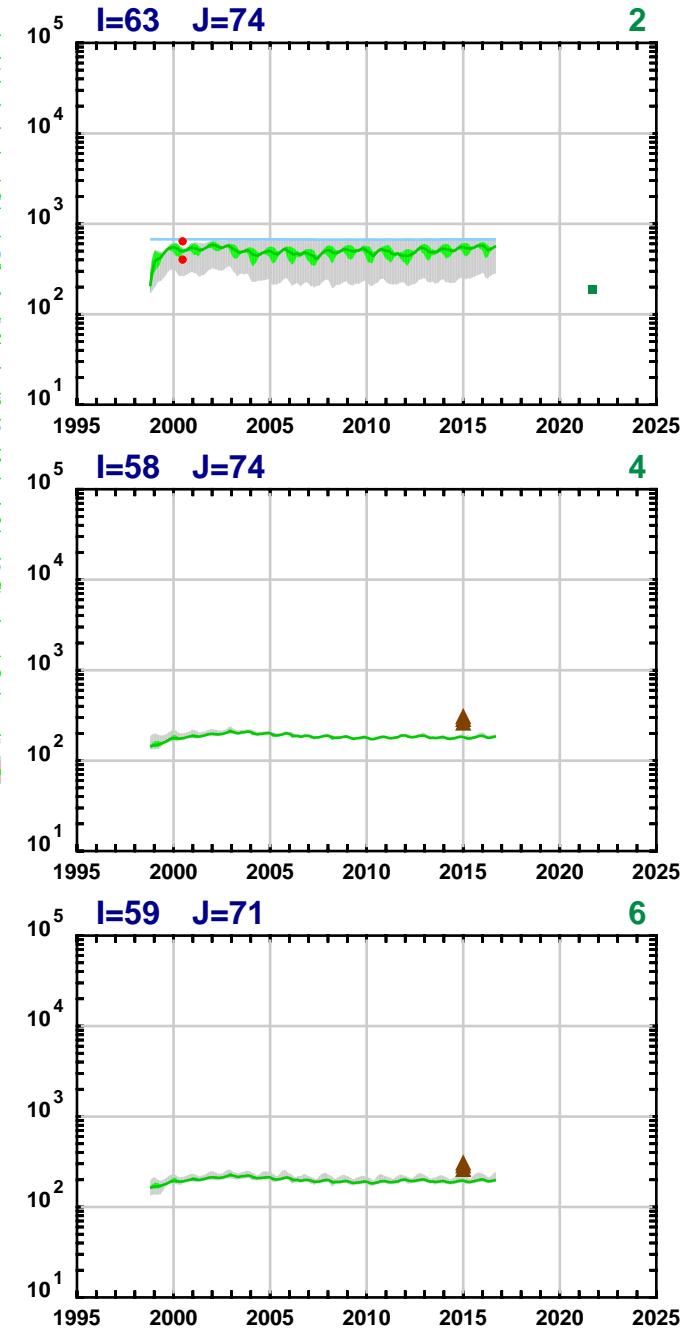
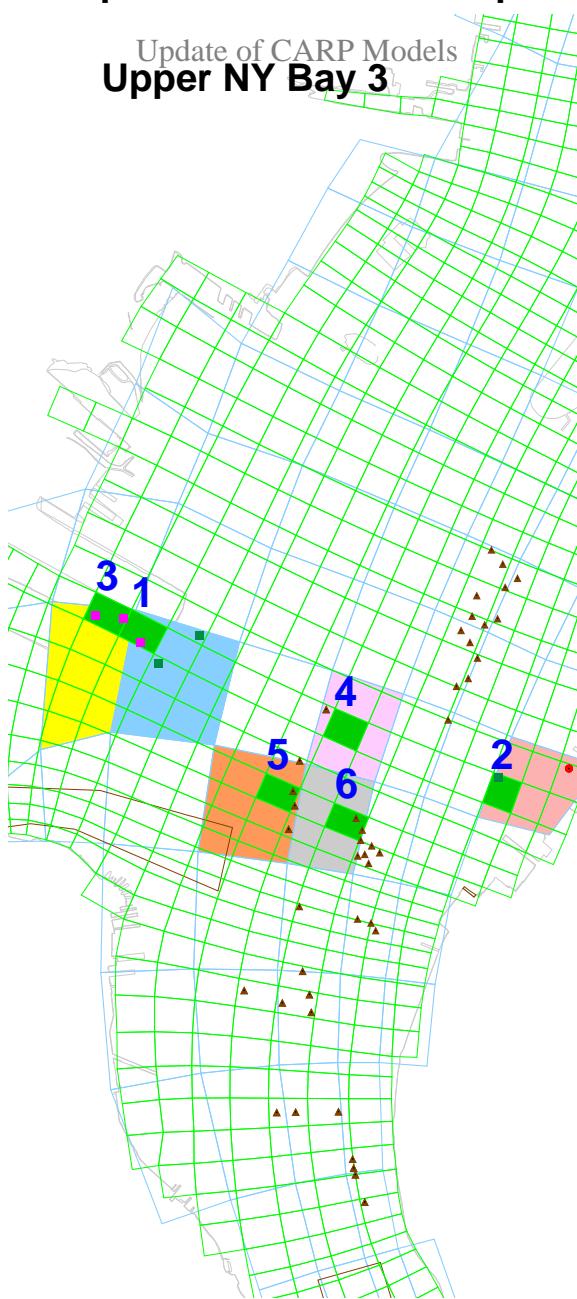
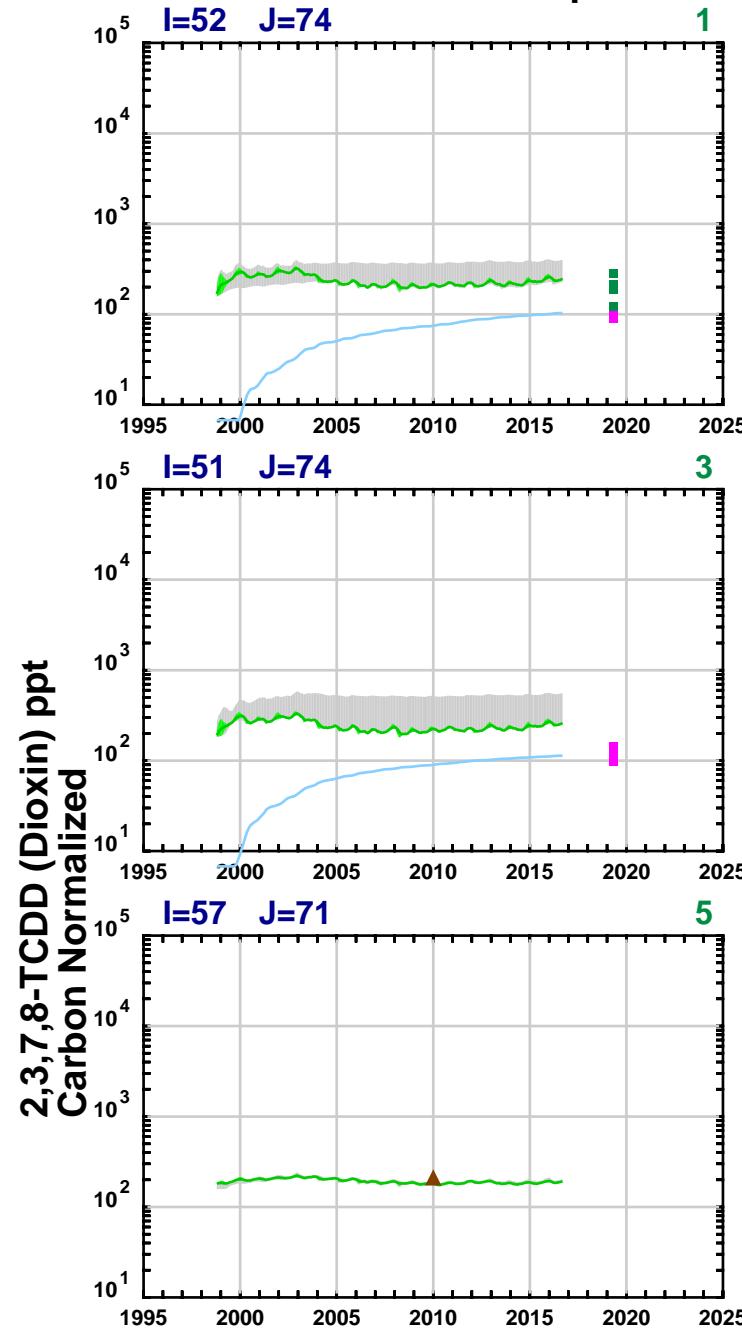
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

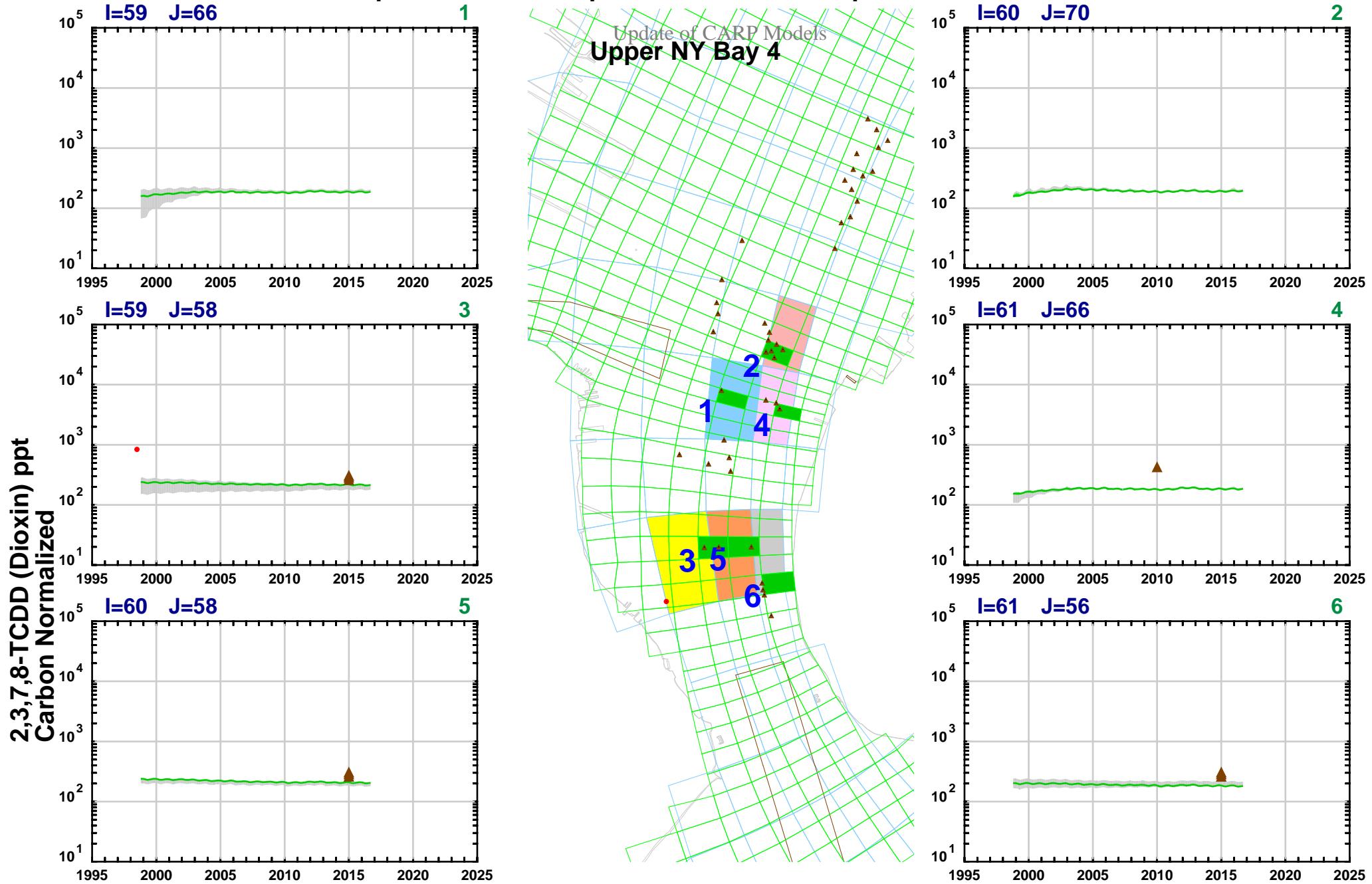


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

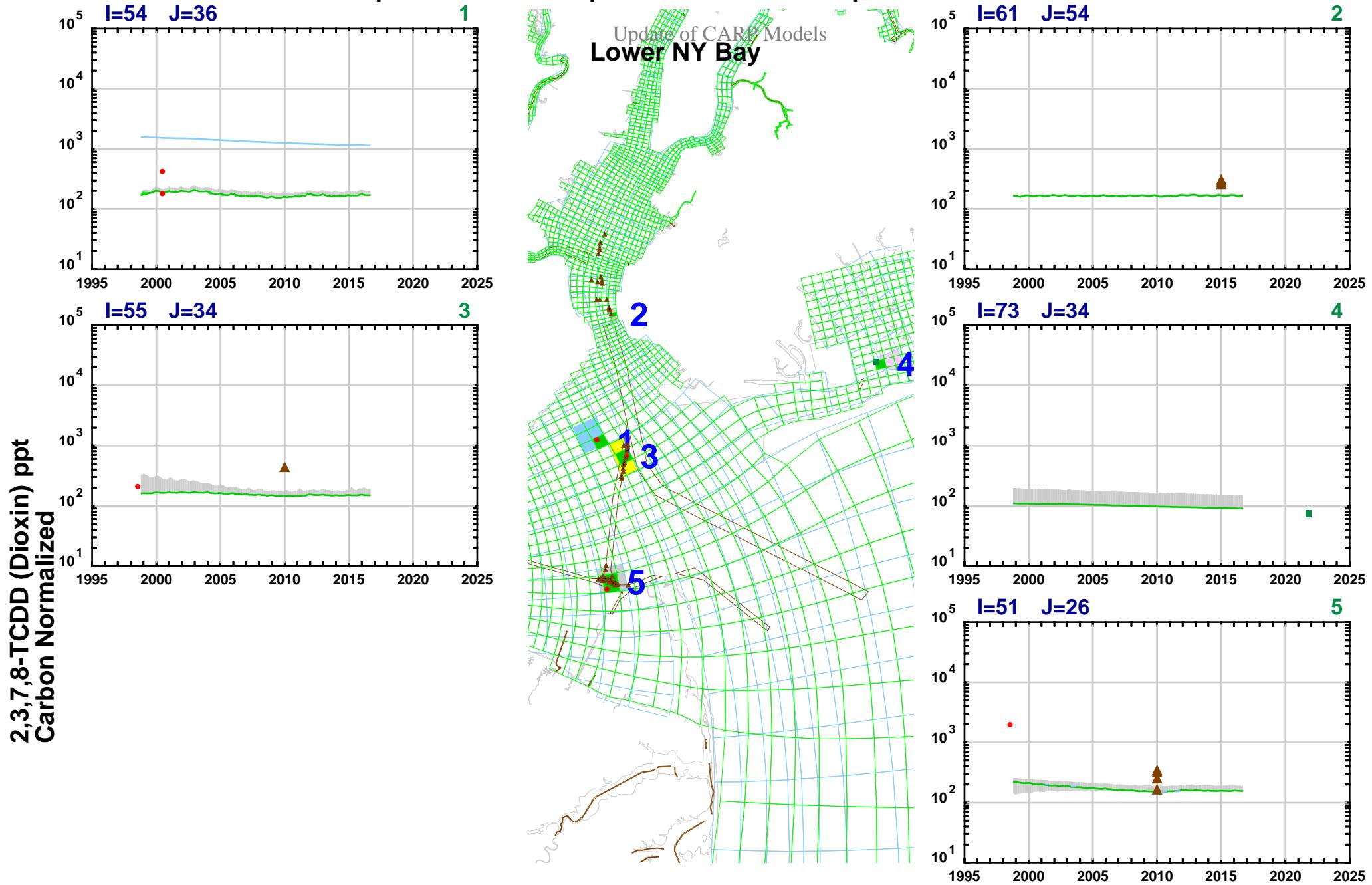
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 13 Page 128 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



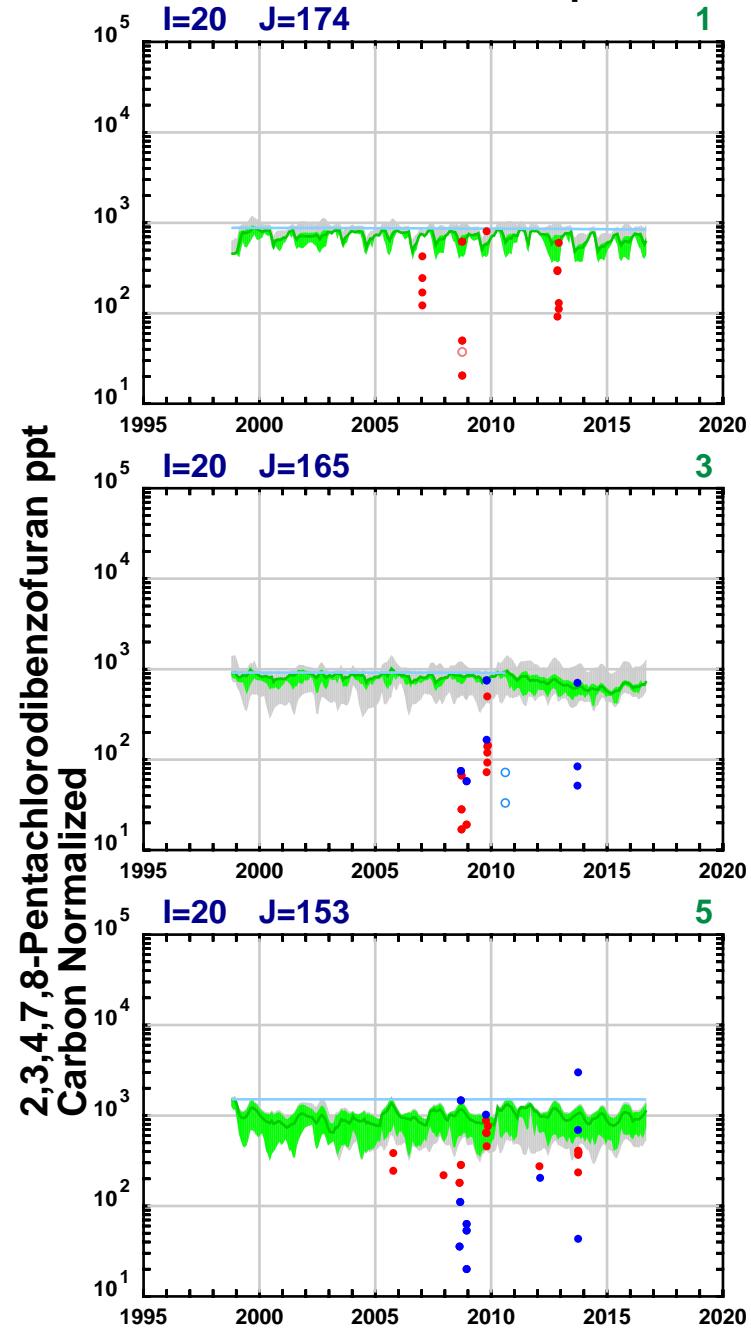
RUN18

Model: mean and range of values in top sediment

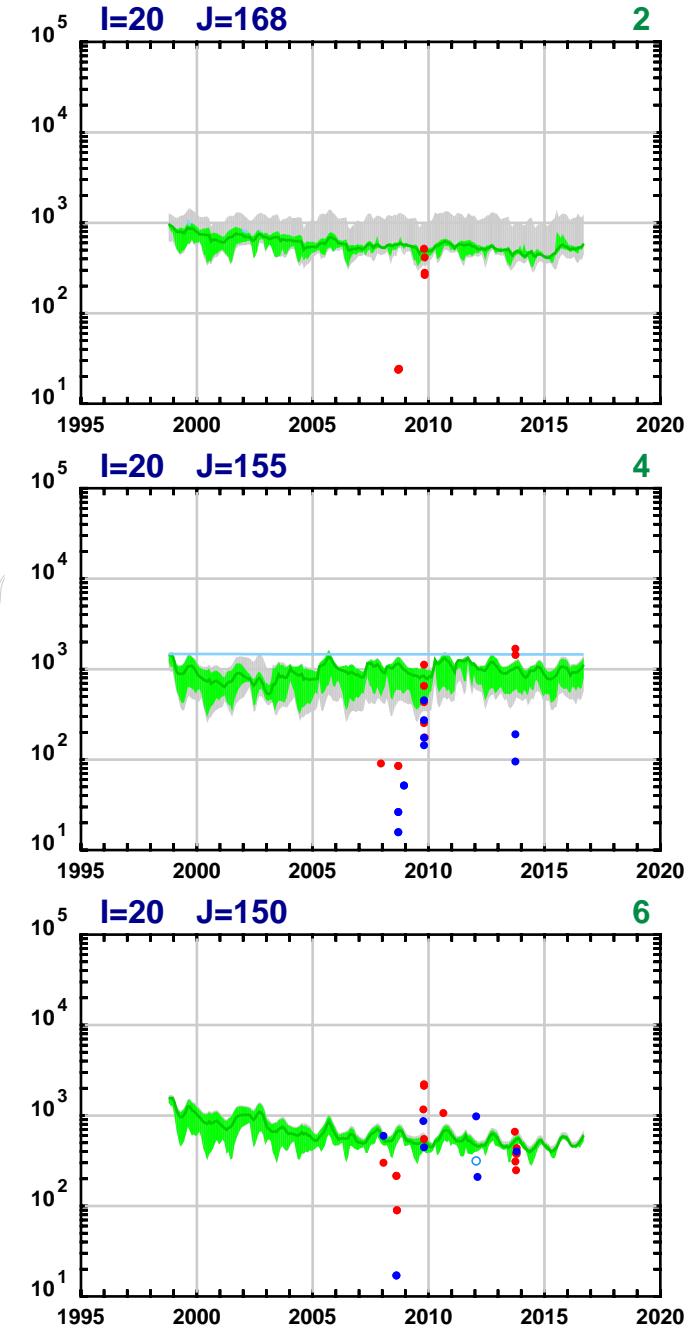
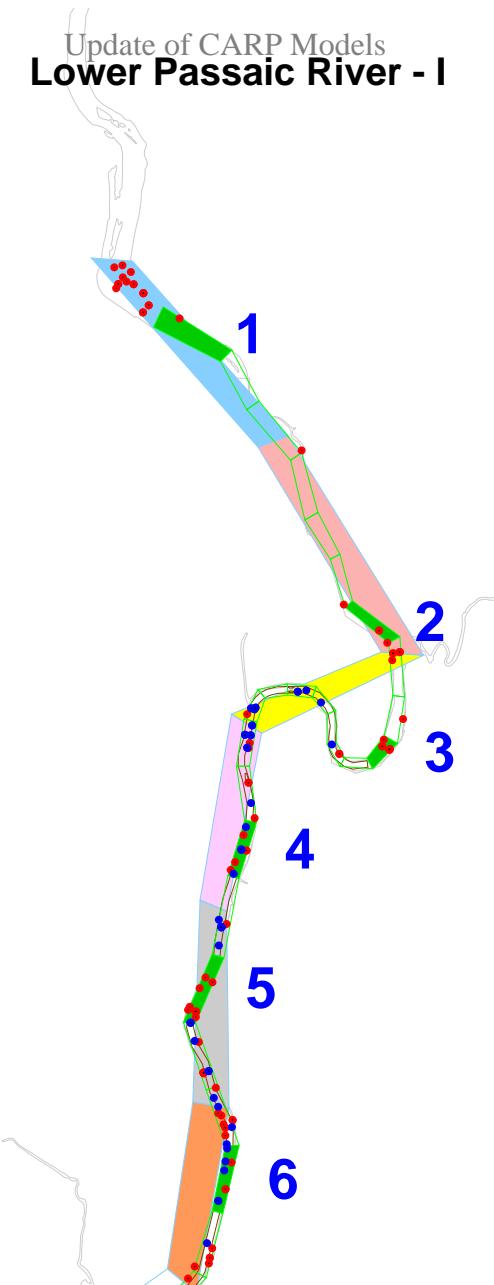
Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I



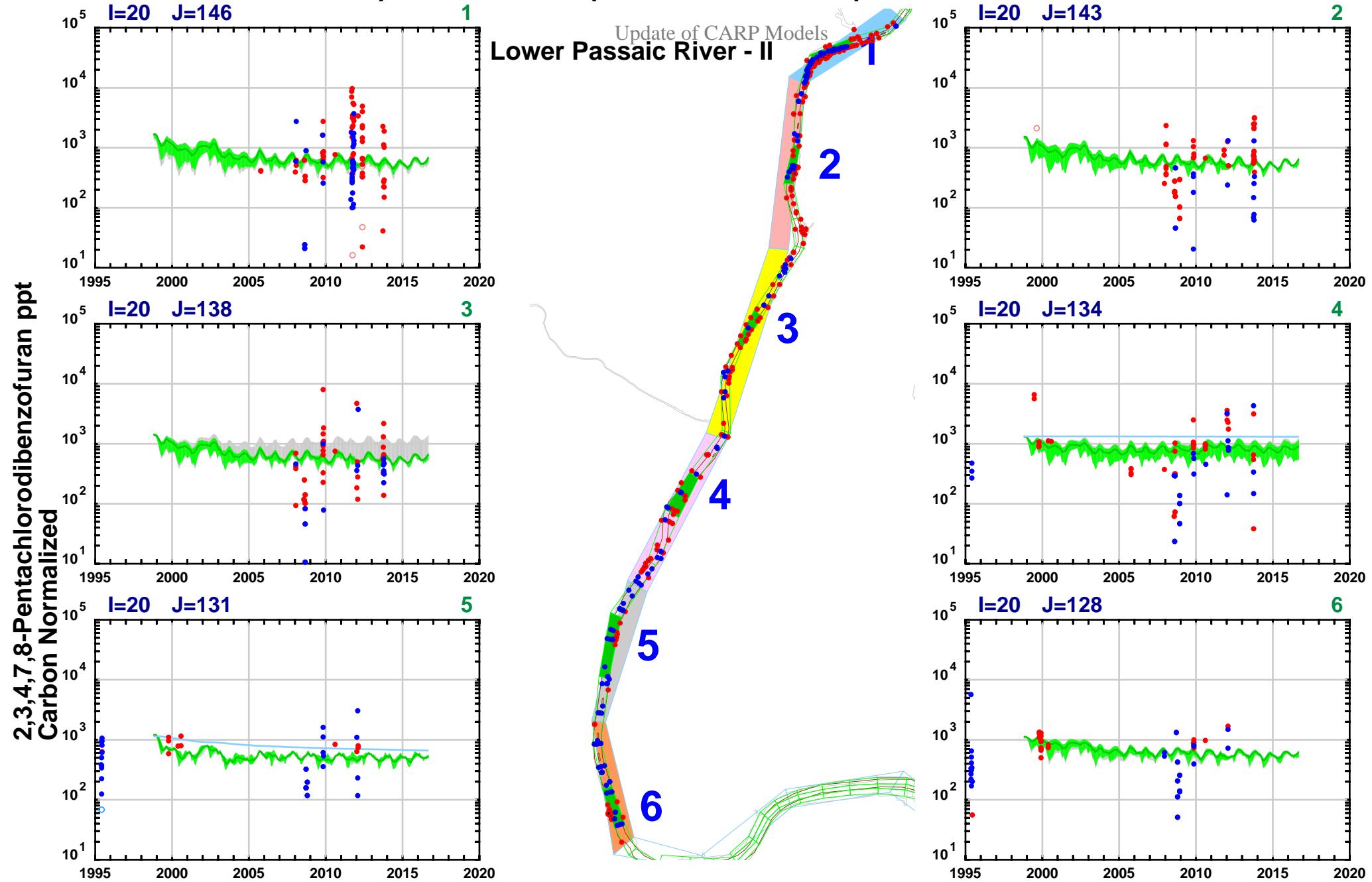
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Appendix 13 Page 130 of 225

- In-channel data (Blue circle)
- Off-channel data (Red circle)
- Dredge data (Orange triangle)
- CARP2 In-channel (Pink line)
- CARP2 Off-channel (Green line)

Top 15 cm data comparison with model top 10 cm sediment



RUN18

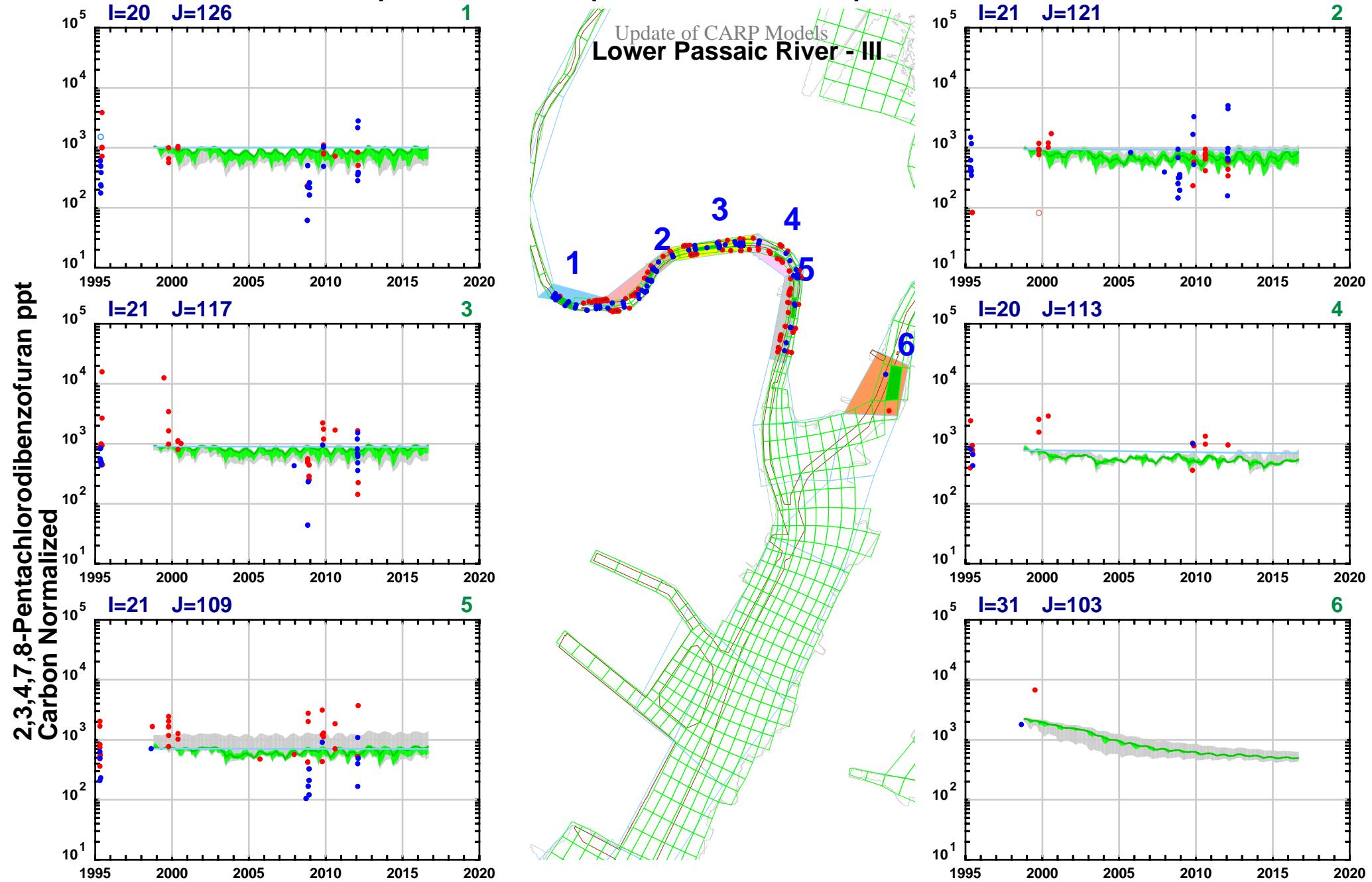
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 13 Page 131 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

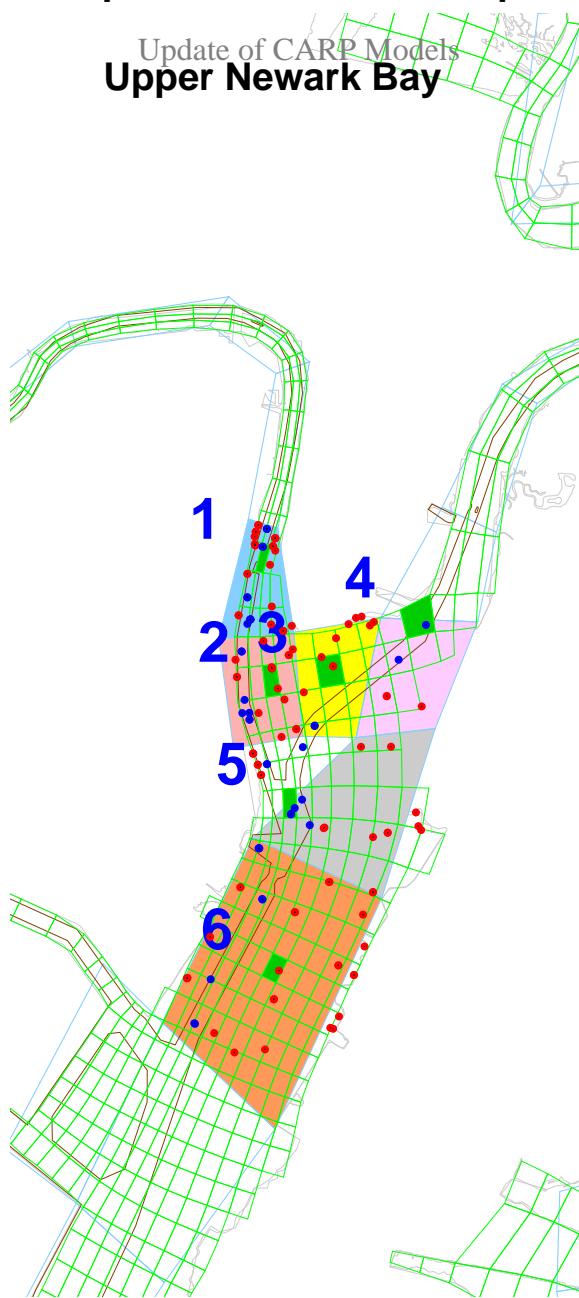
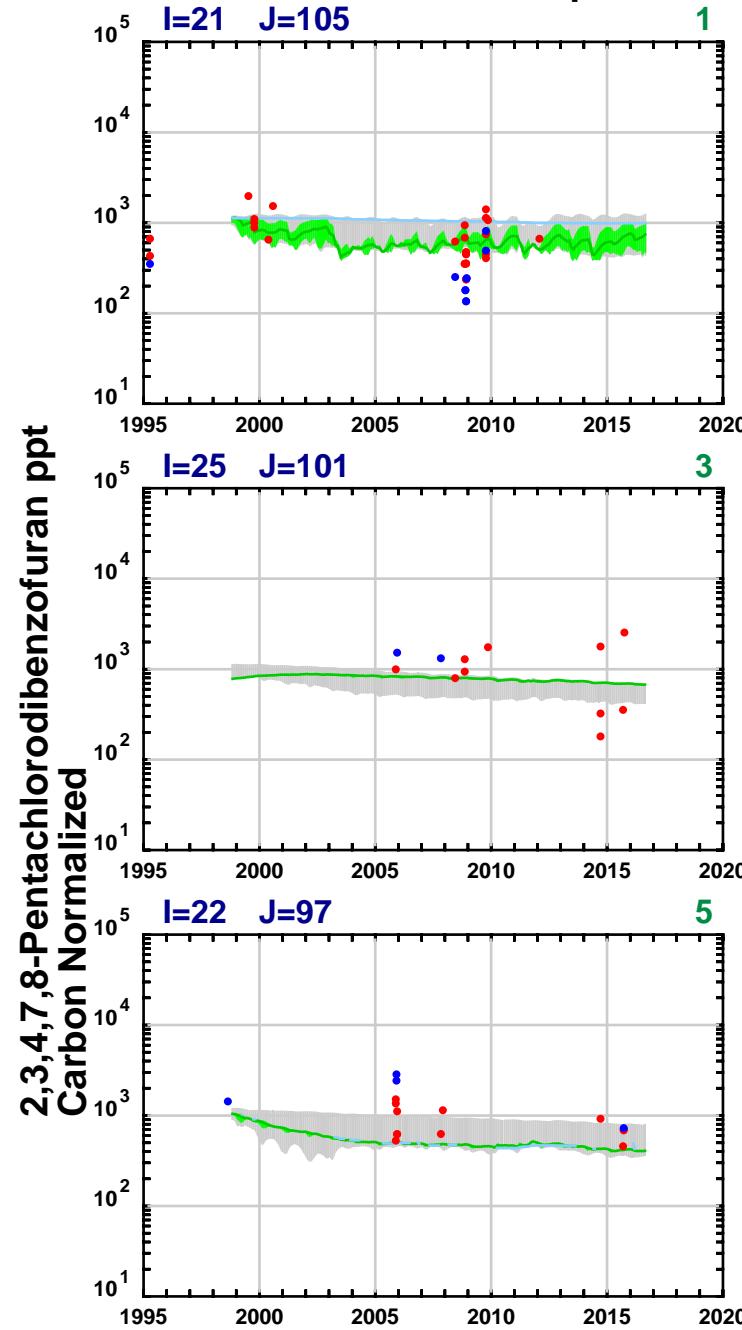


RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment

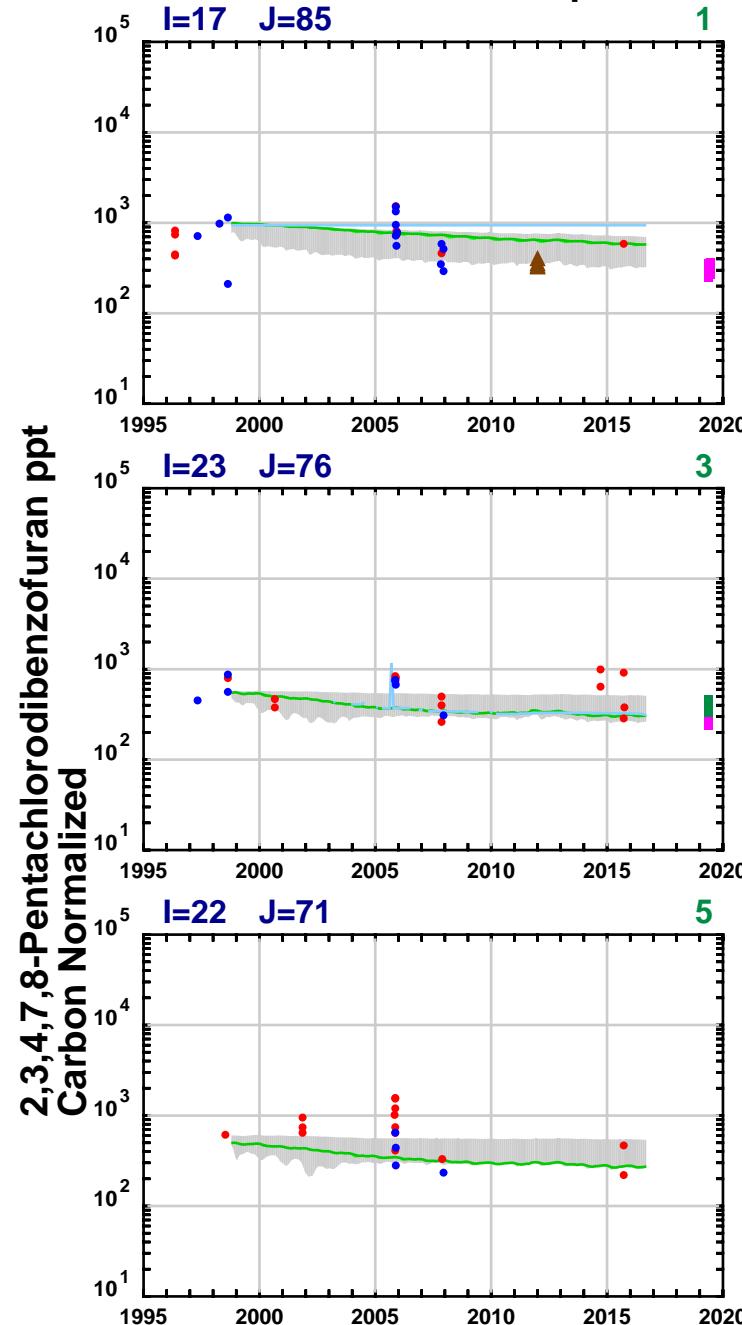


● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

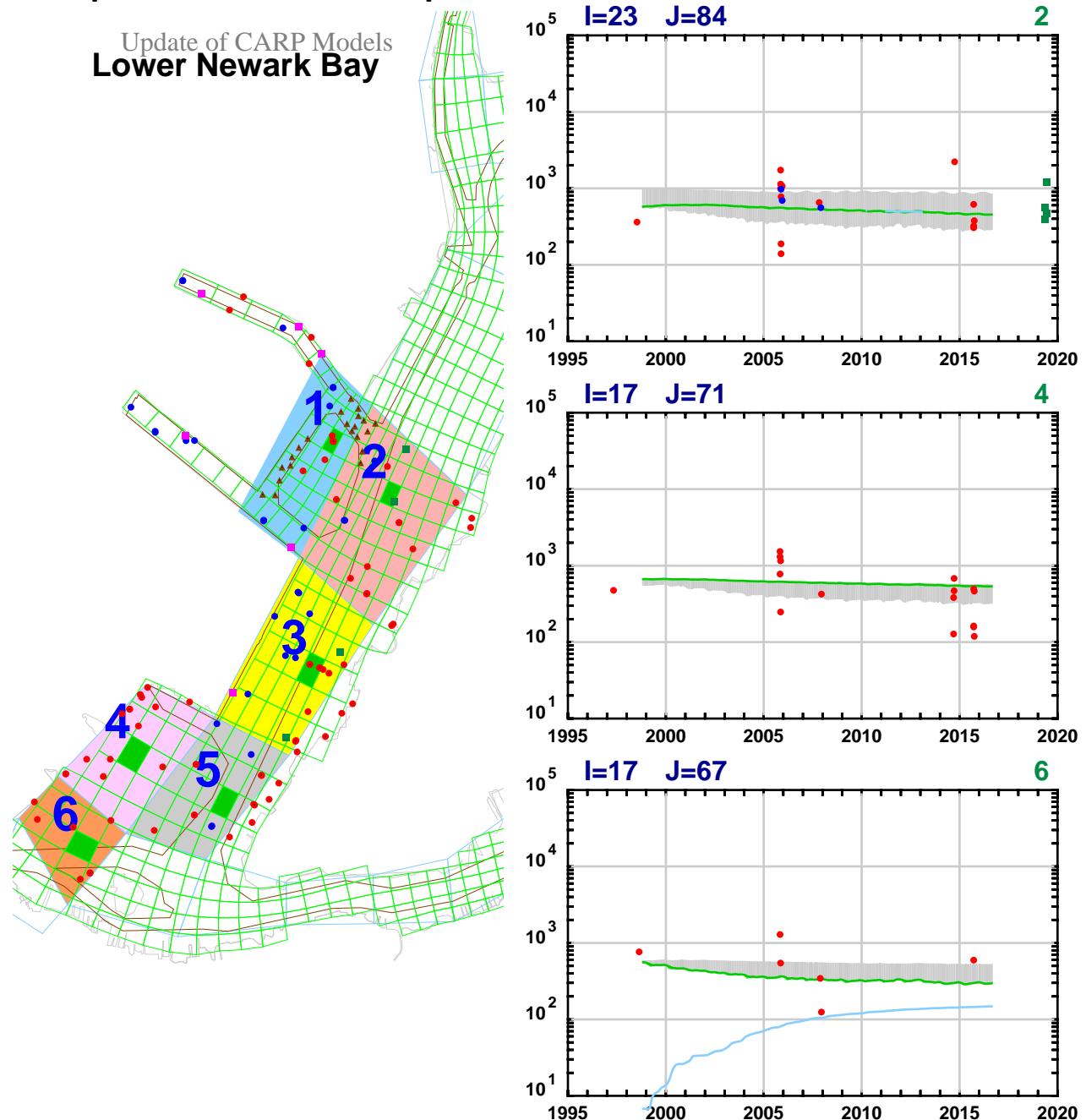
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay



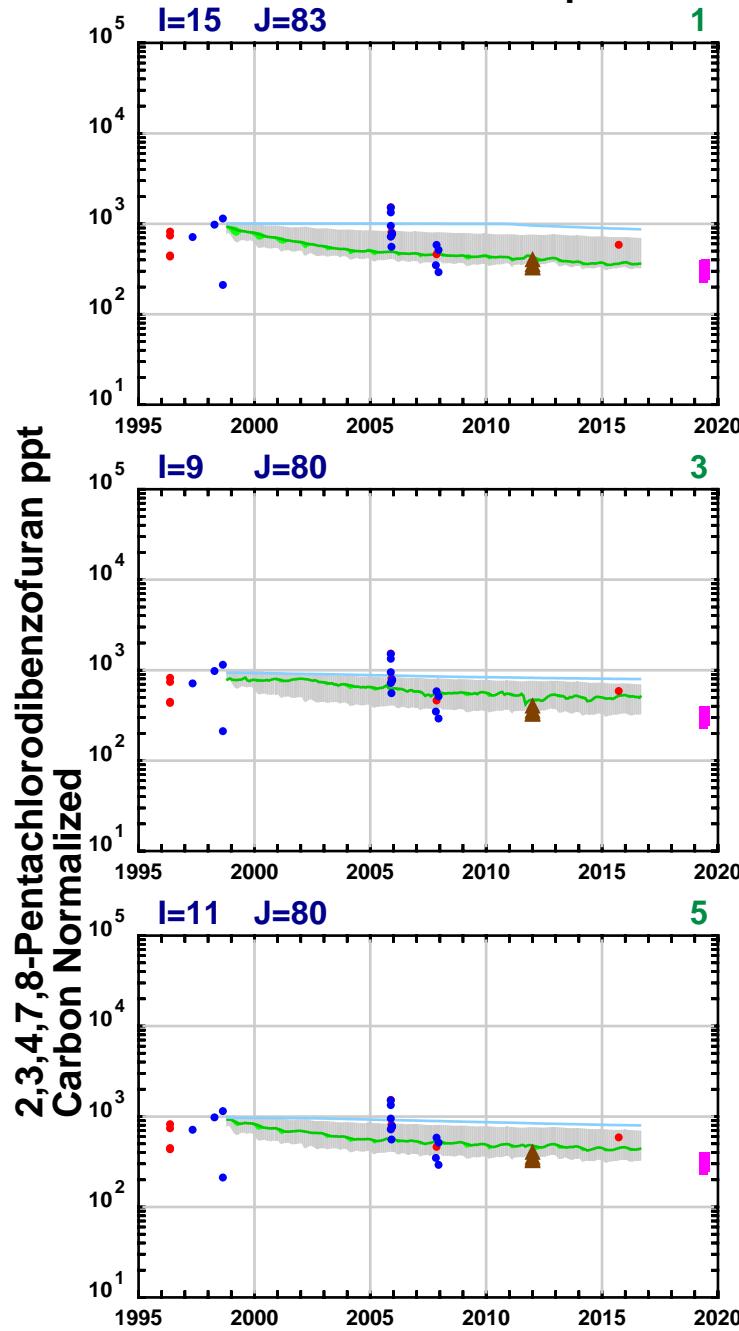
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

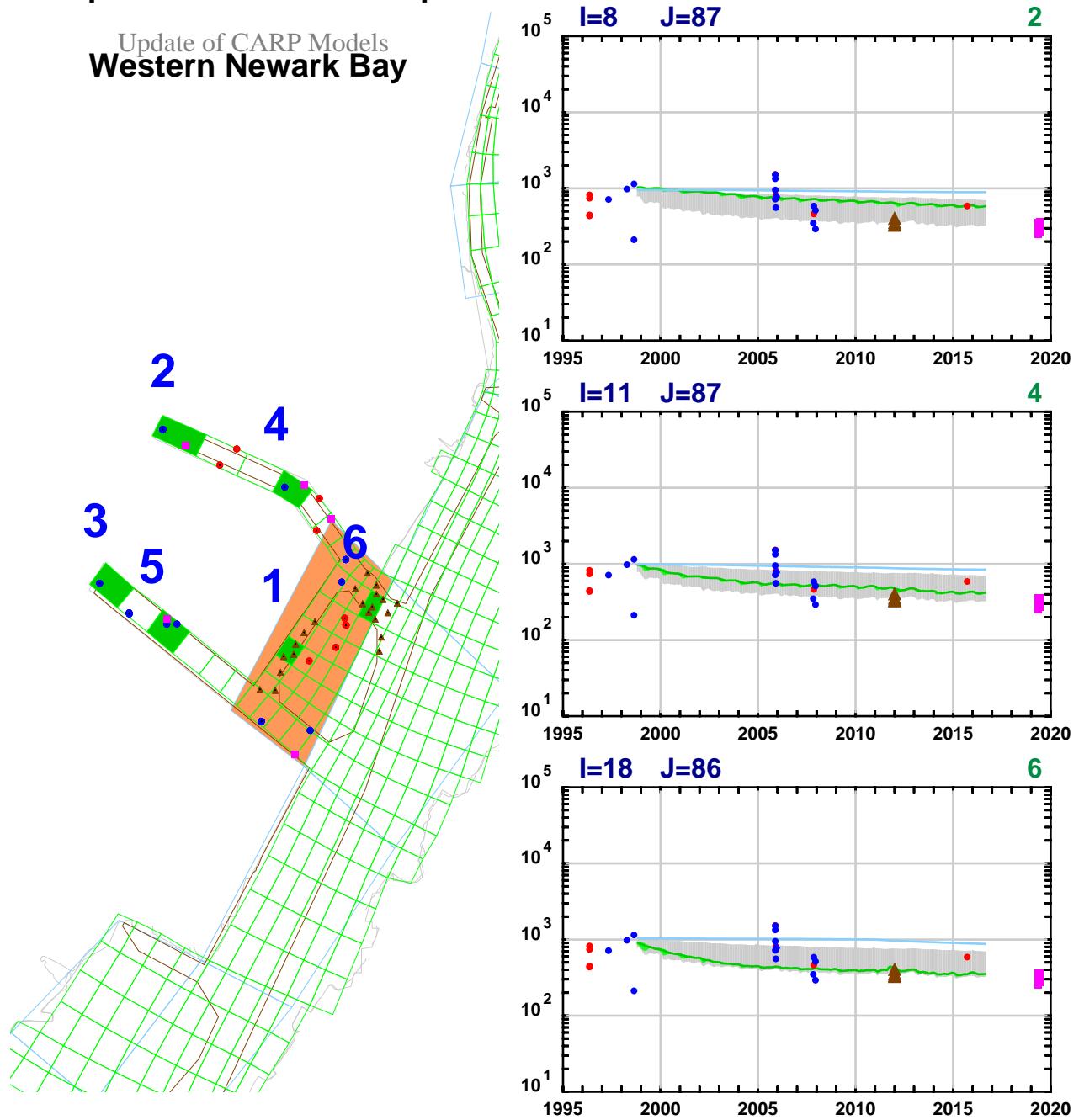
Appendix 13 Page 134 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay

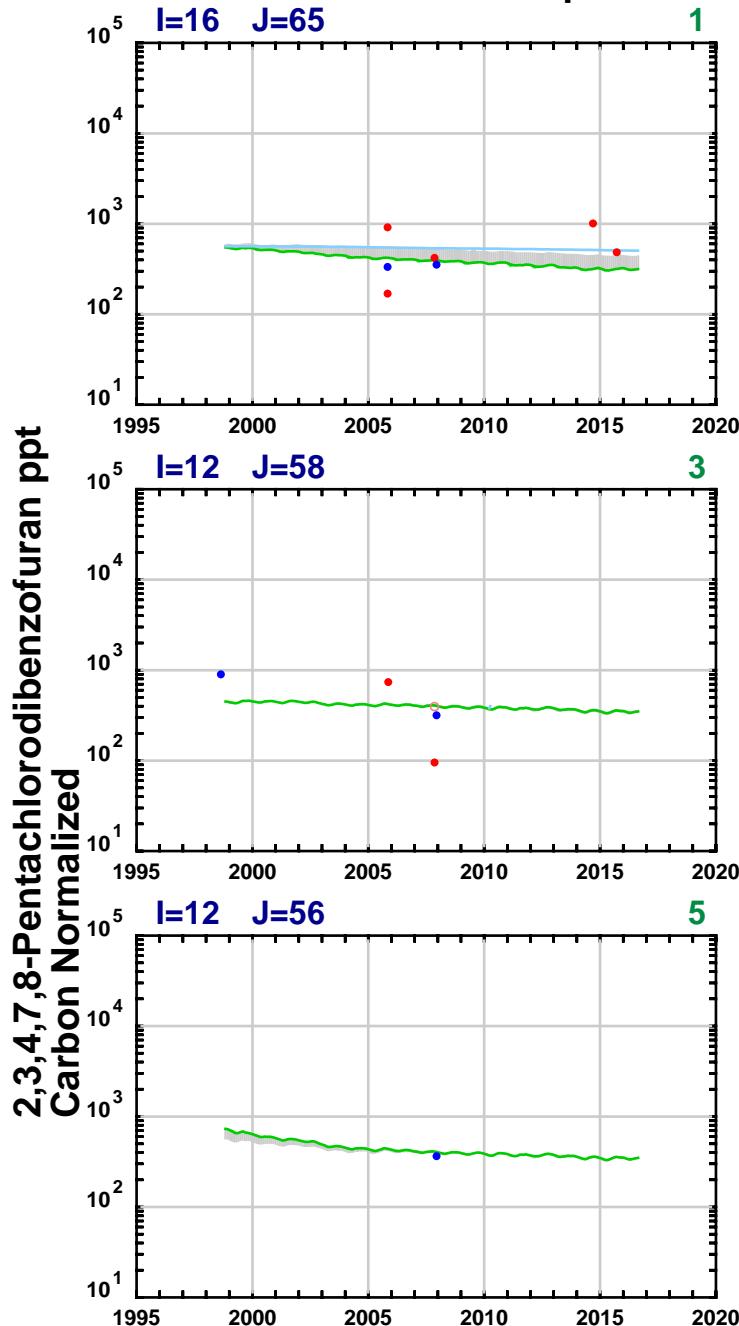


RUN18

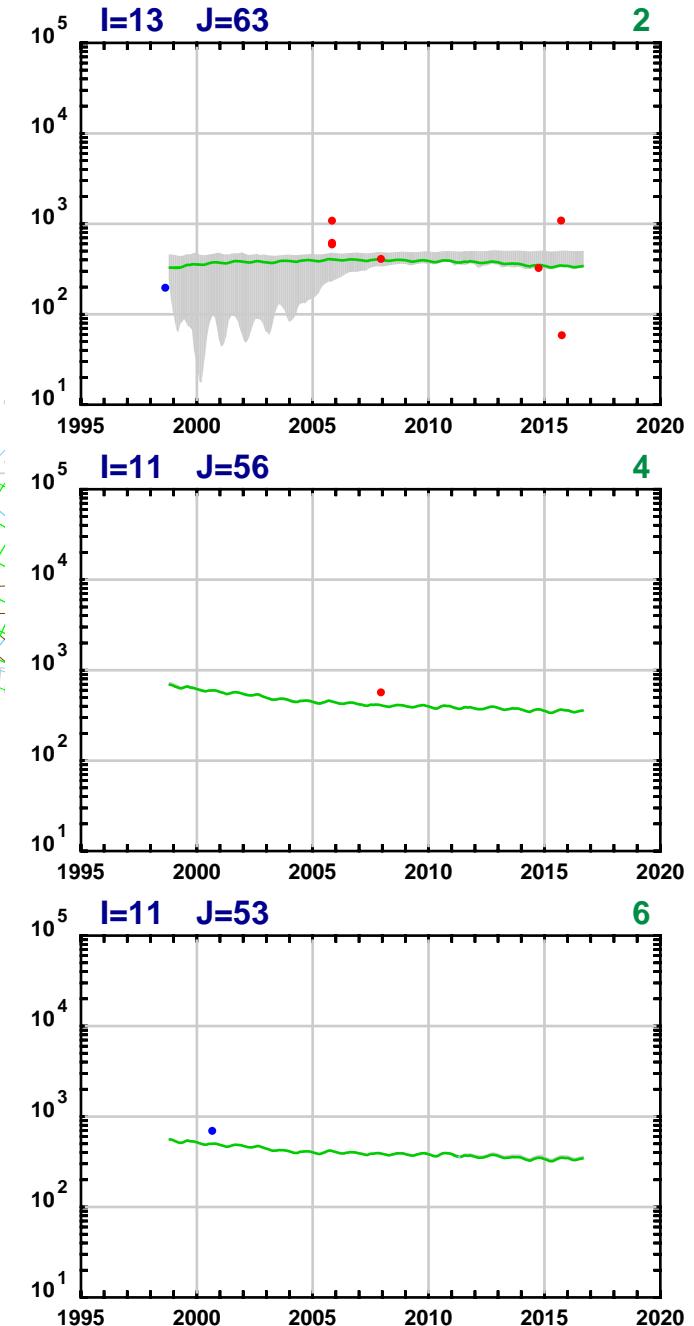
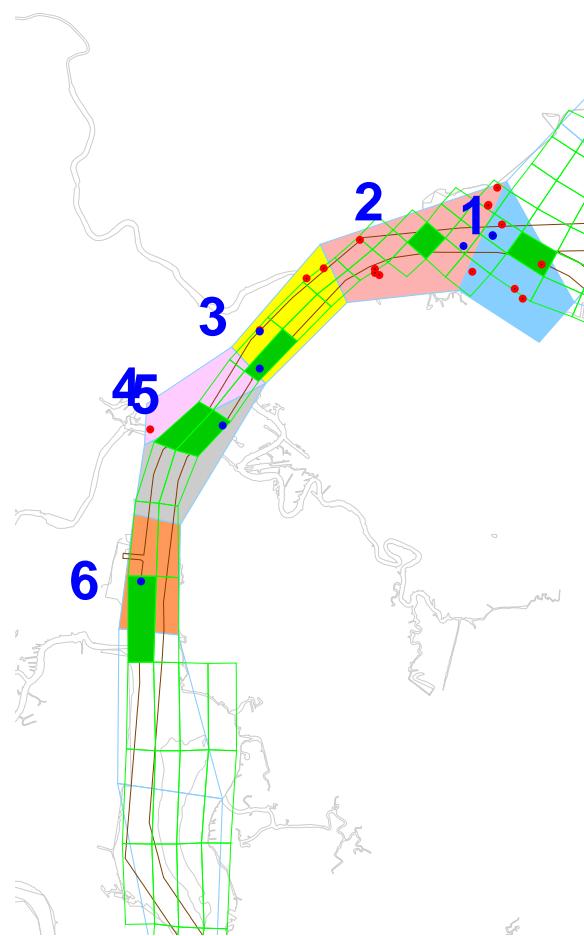
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1

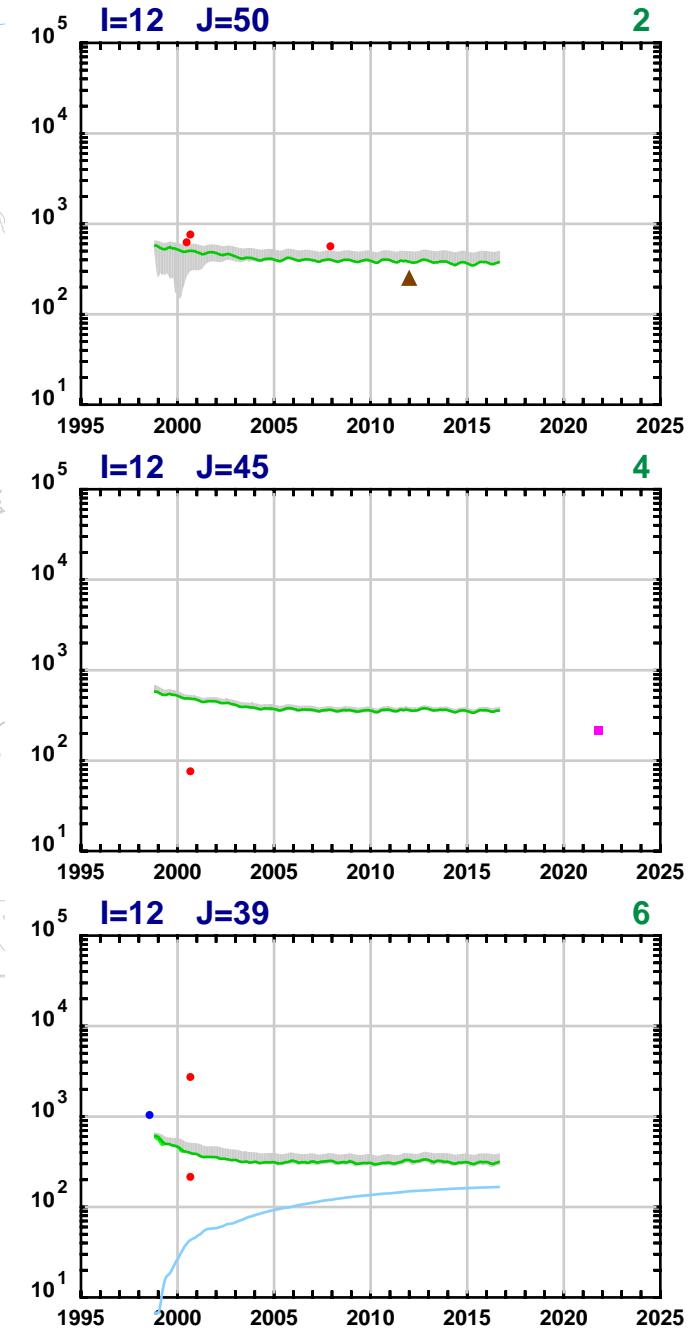
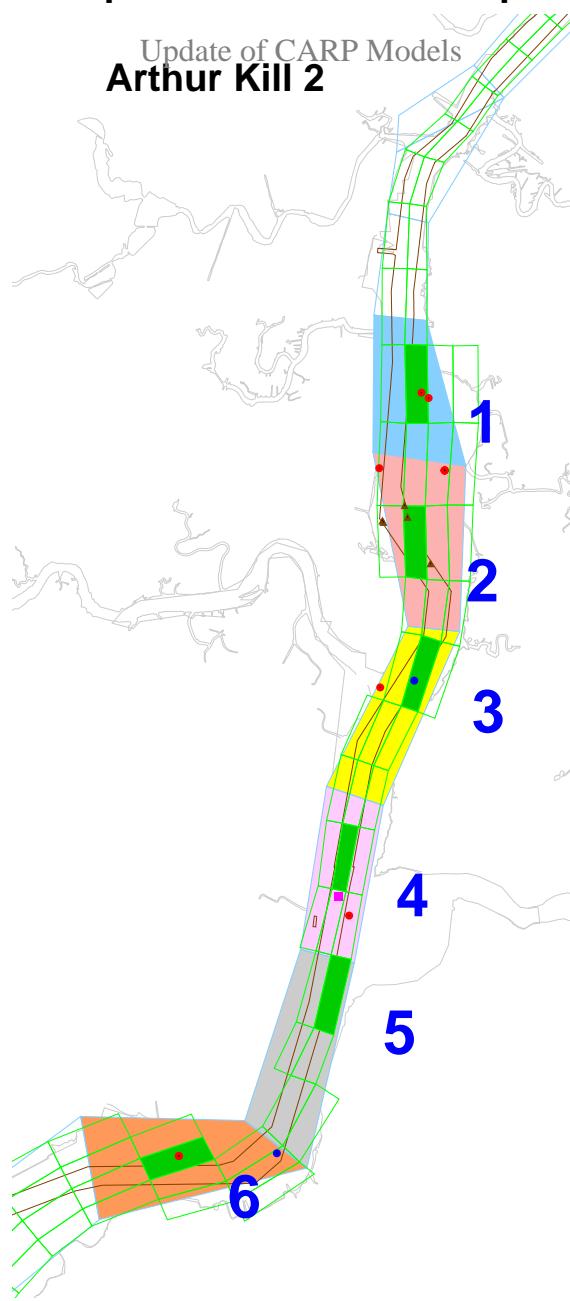
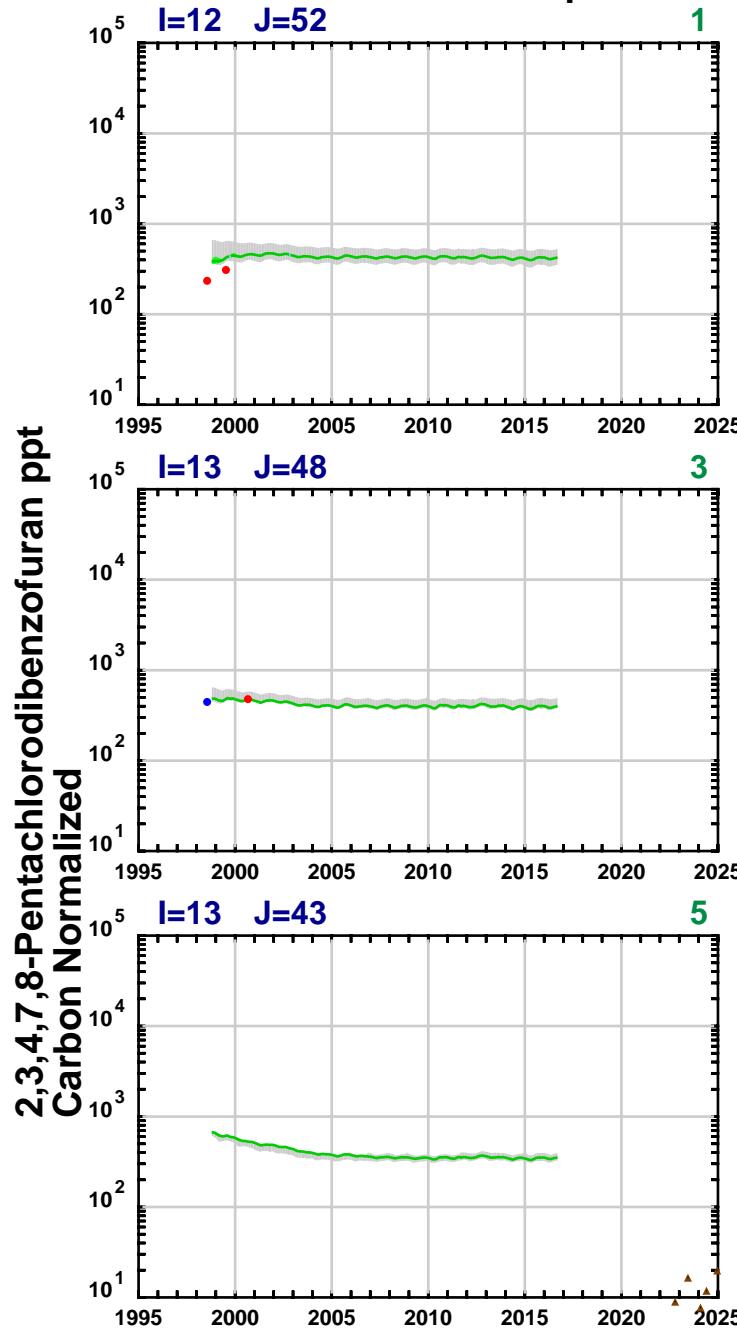


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

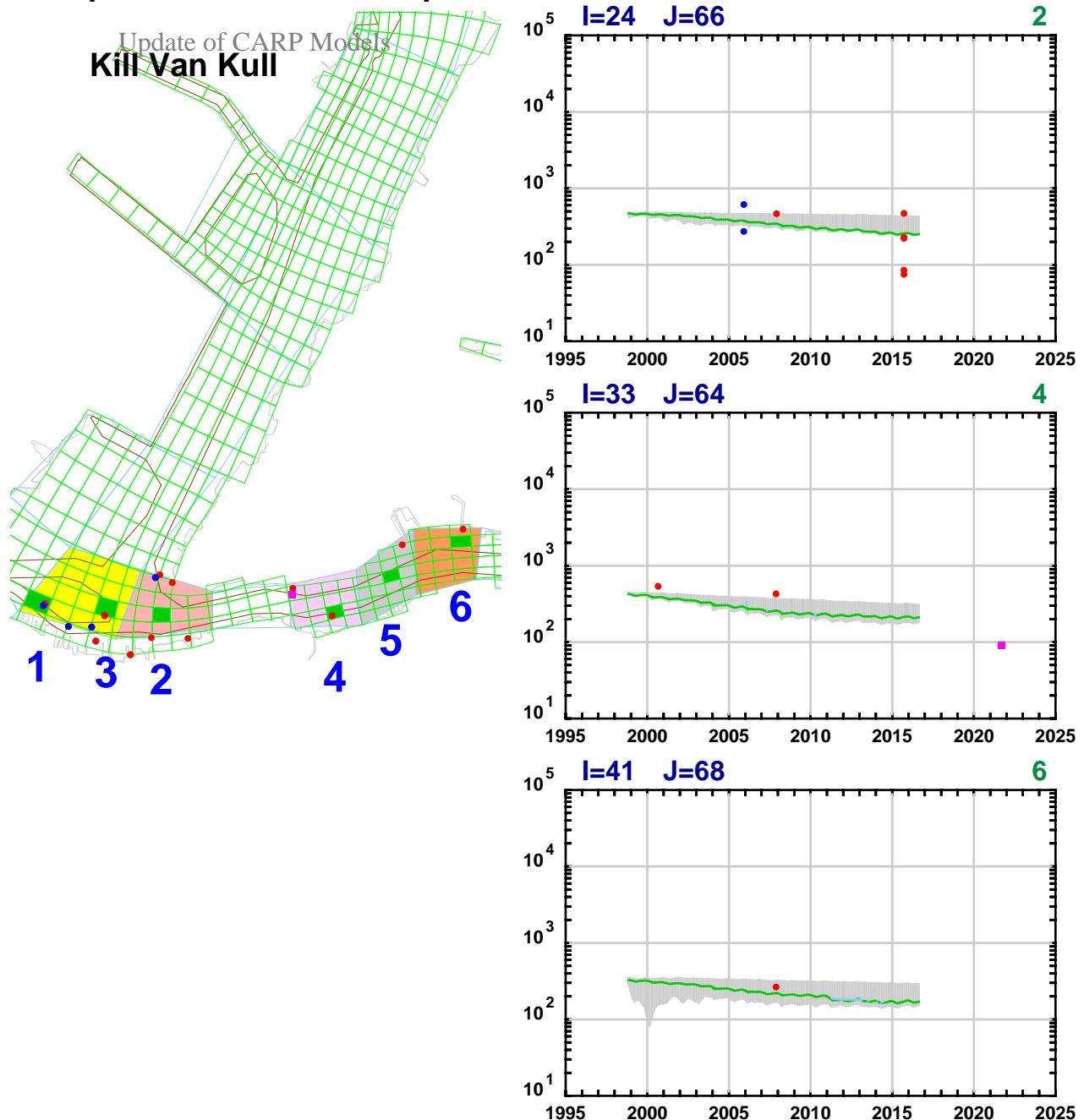
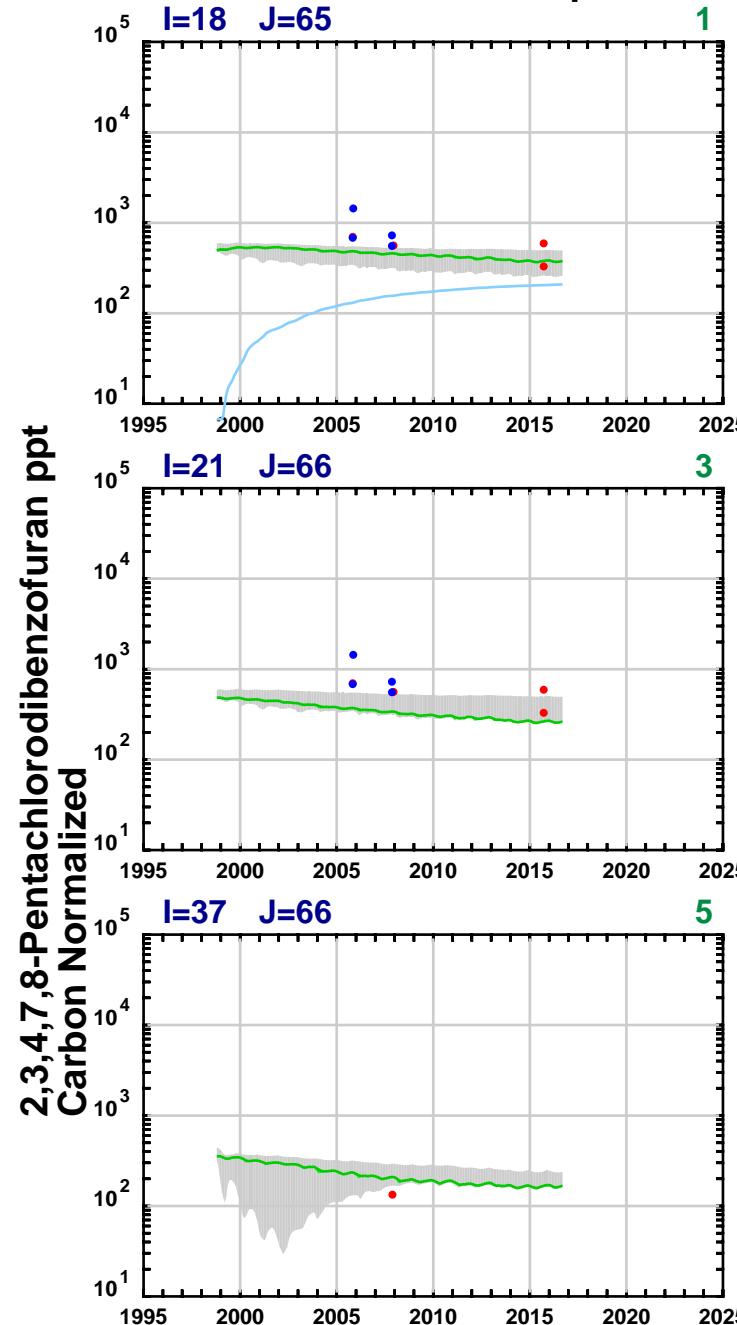


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

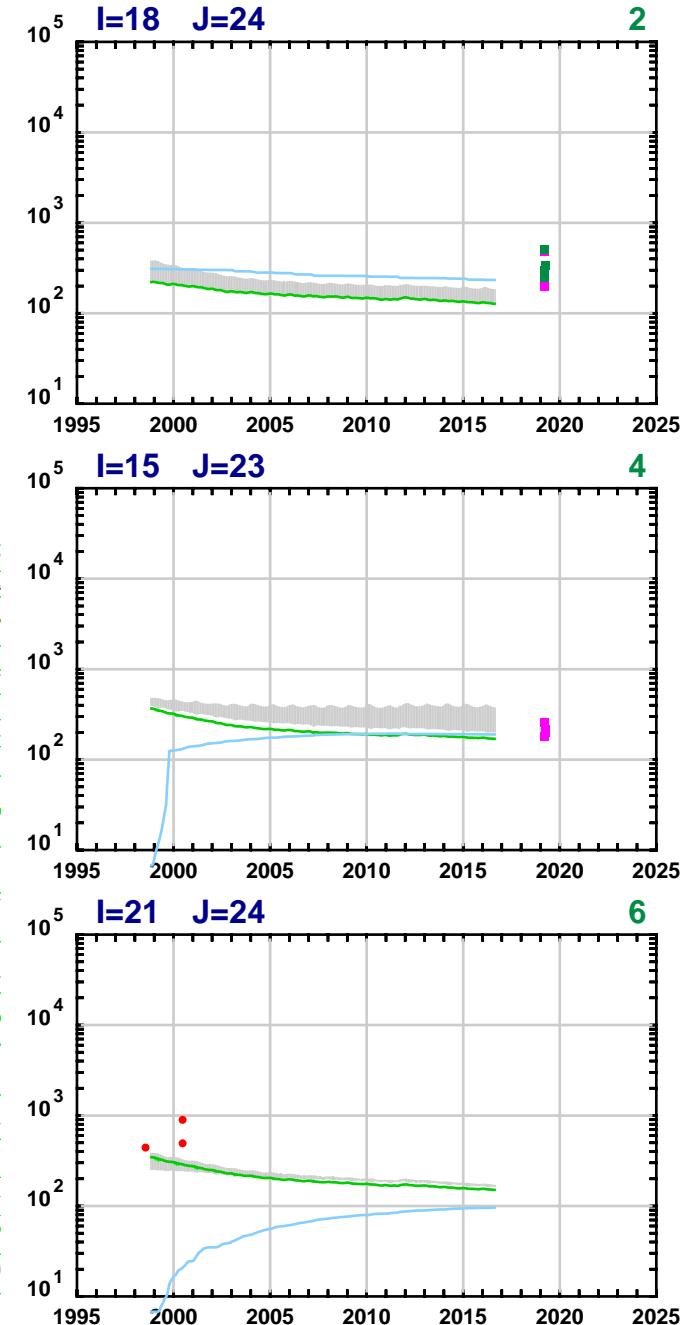
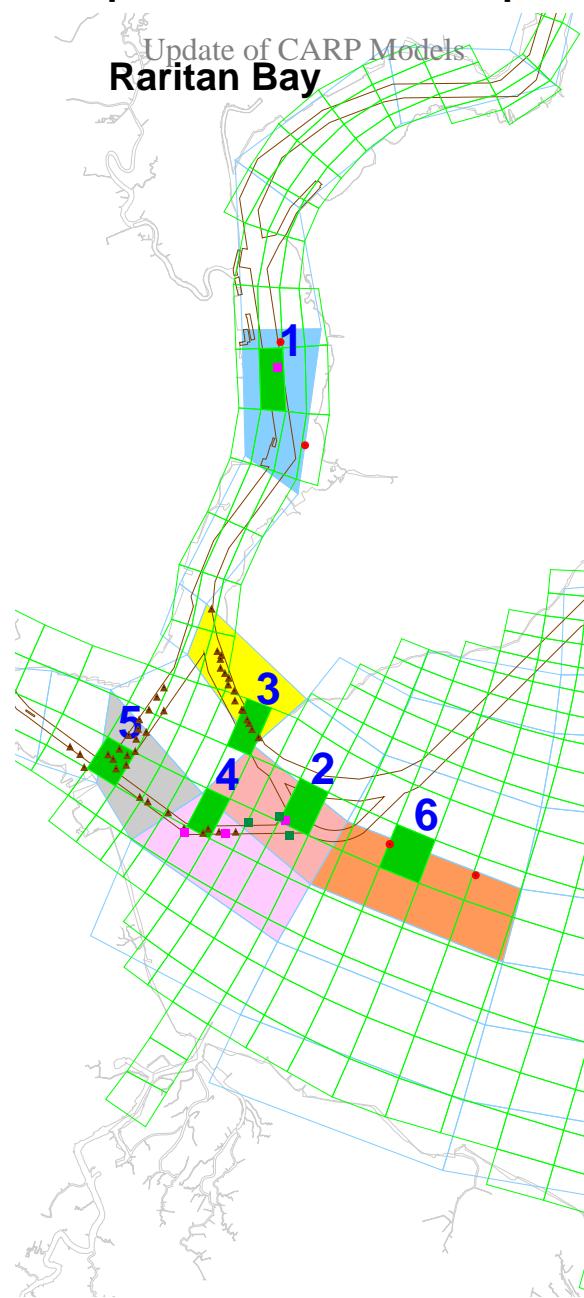
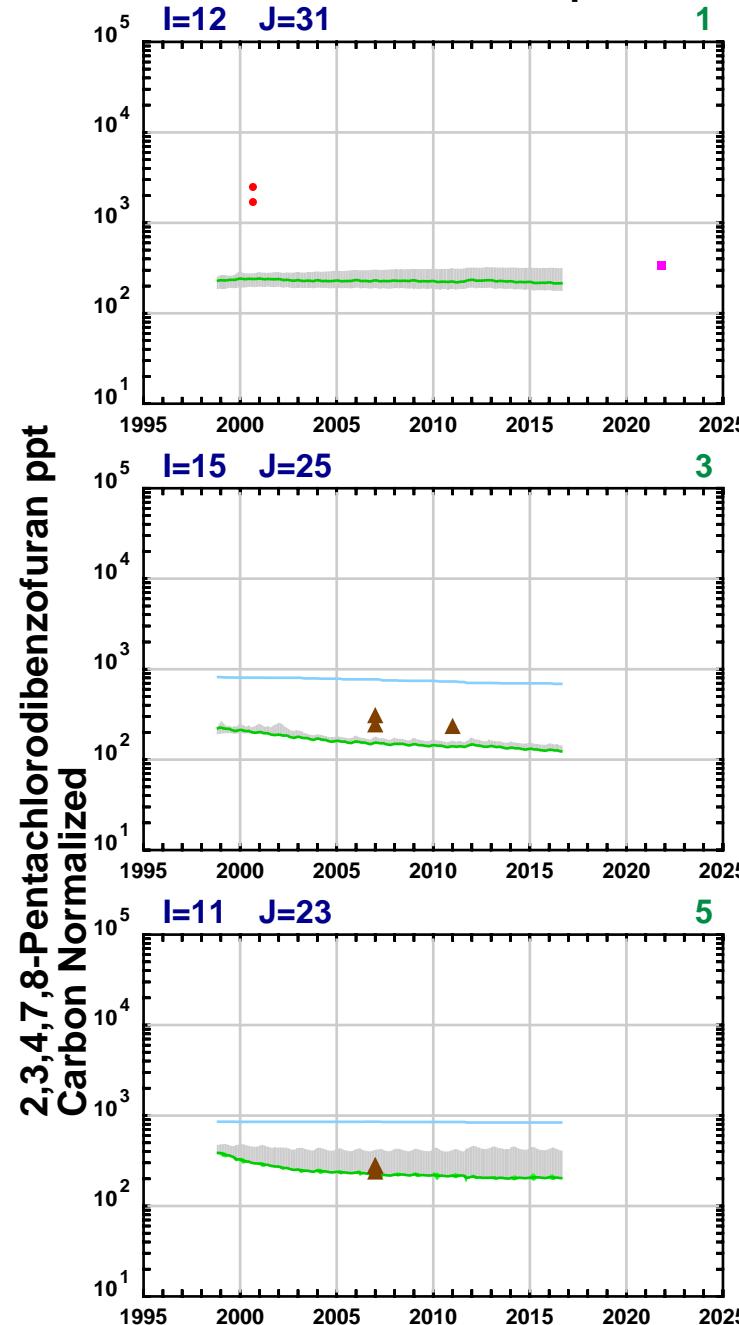


RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



RUN18

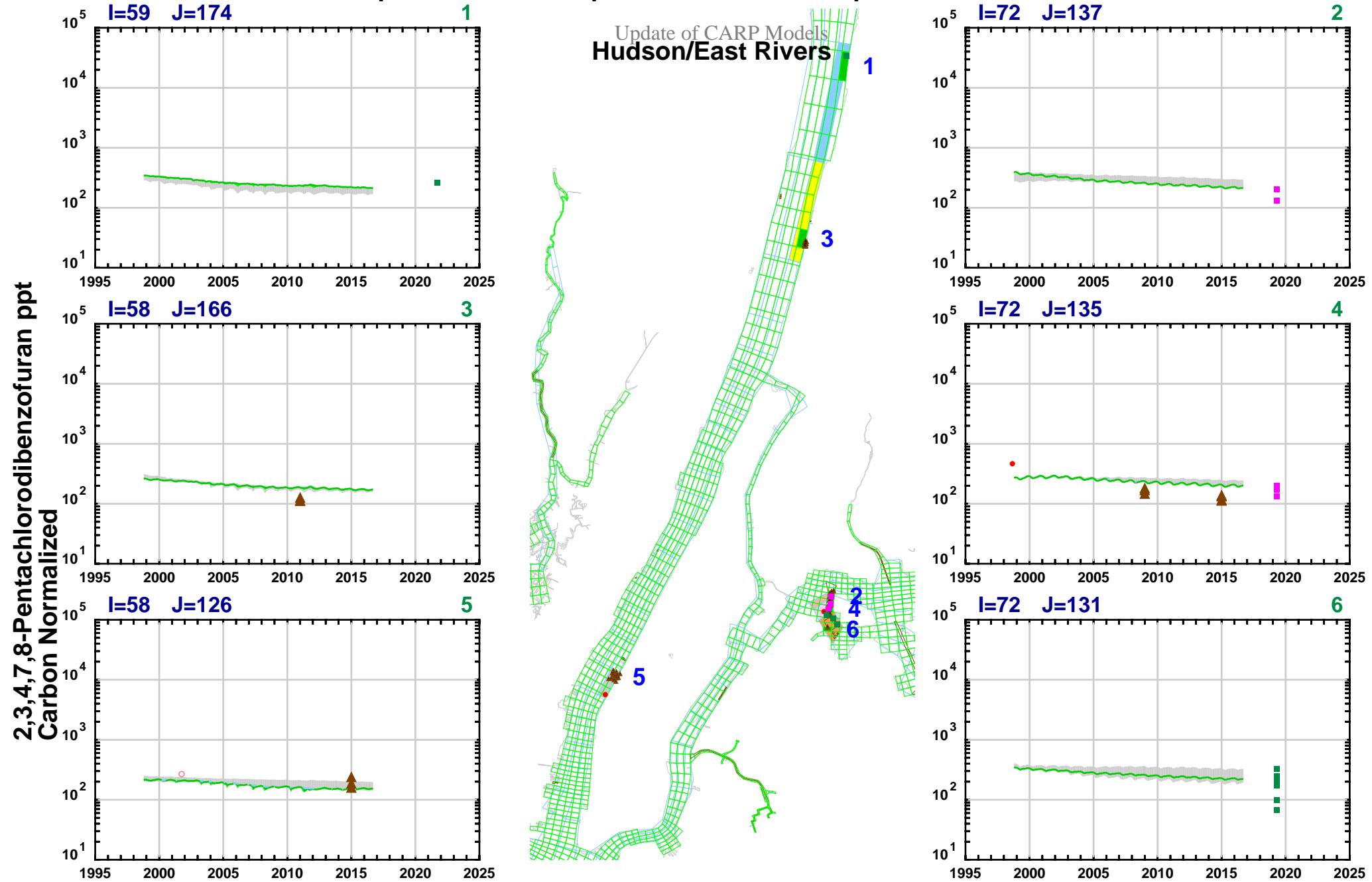
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 13 Page 139 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

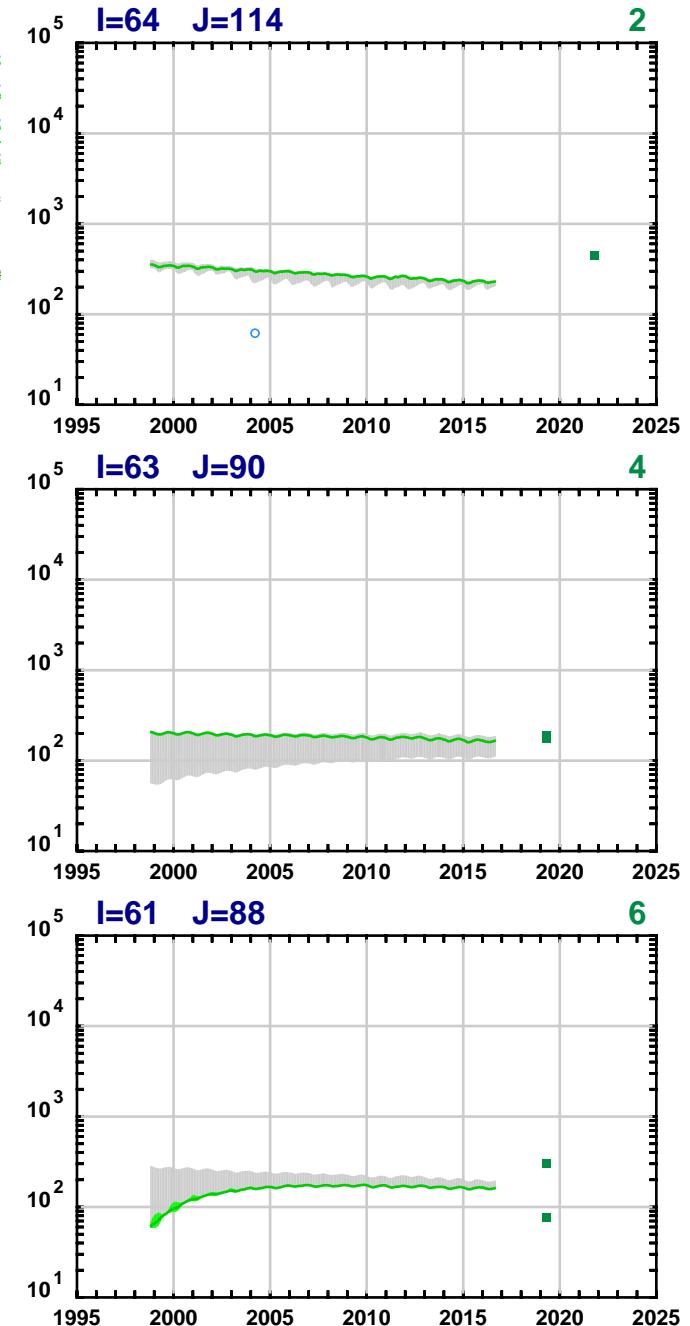
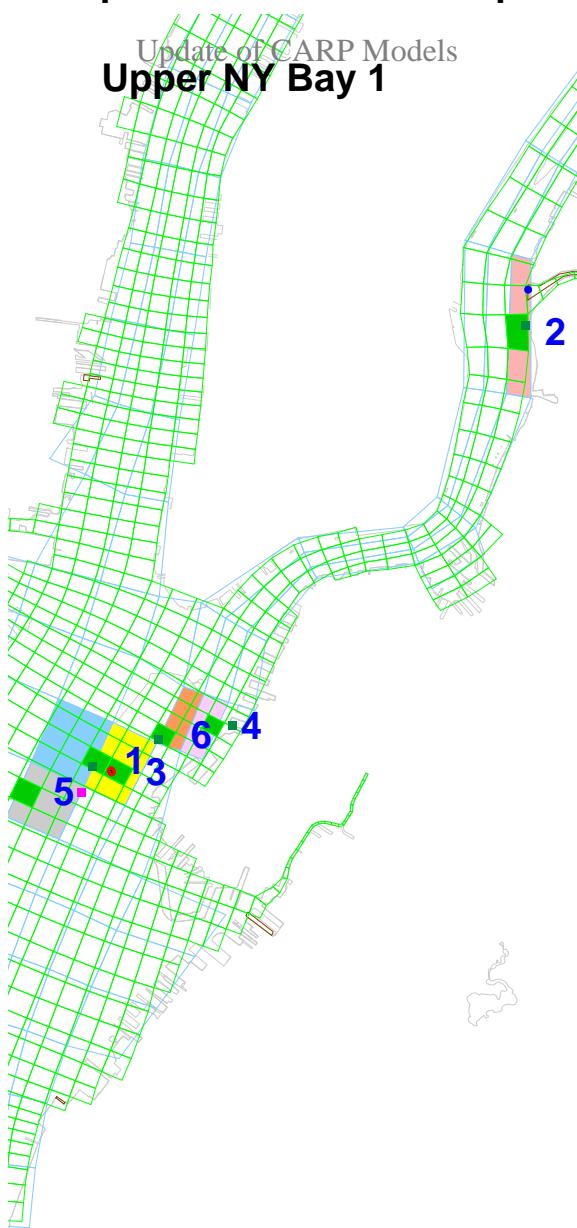
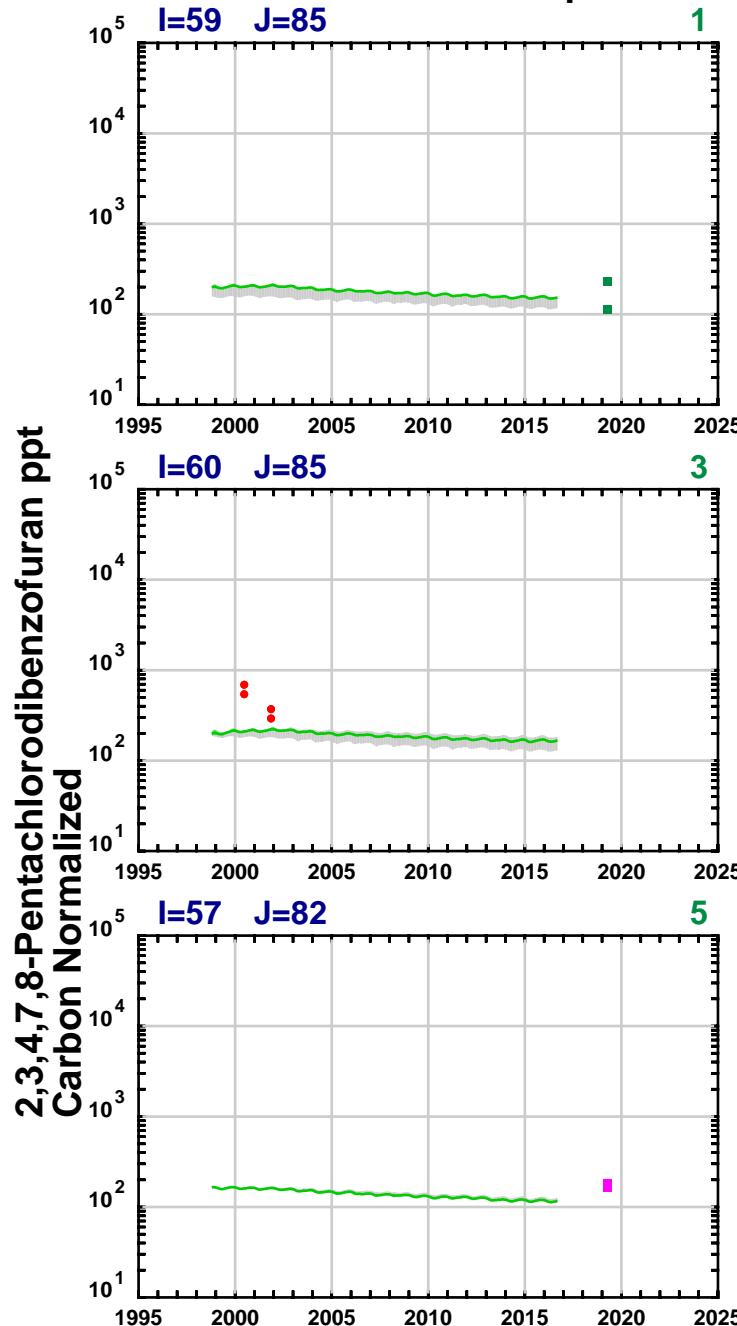


RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



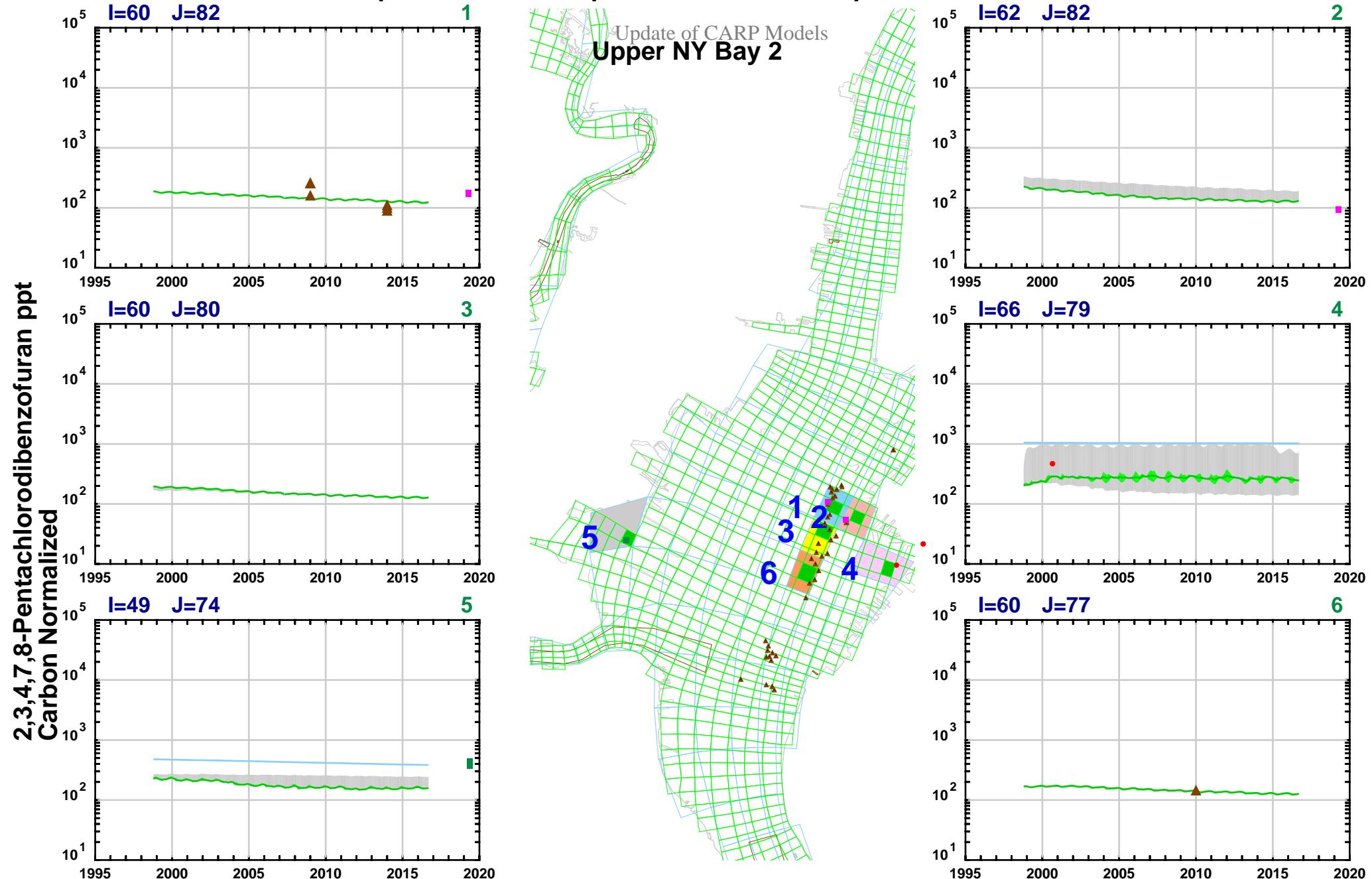
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

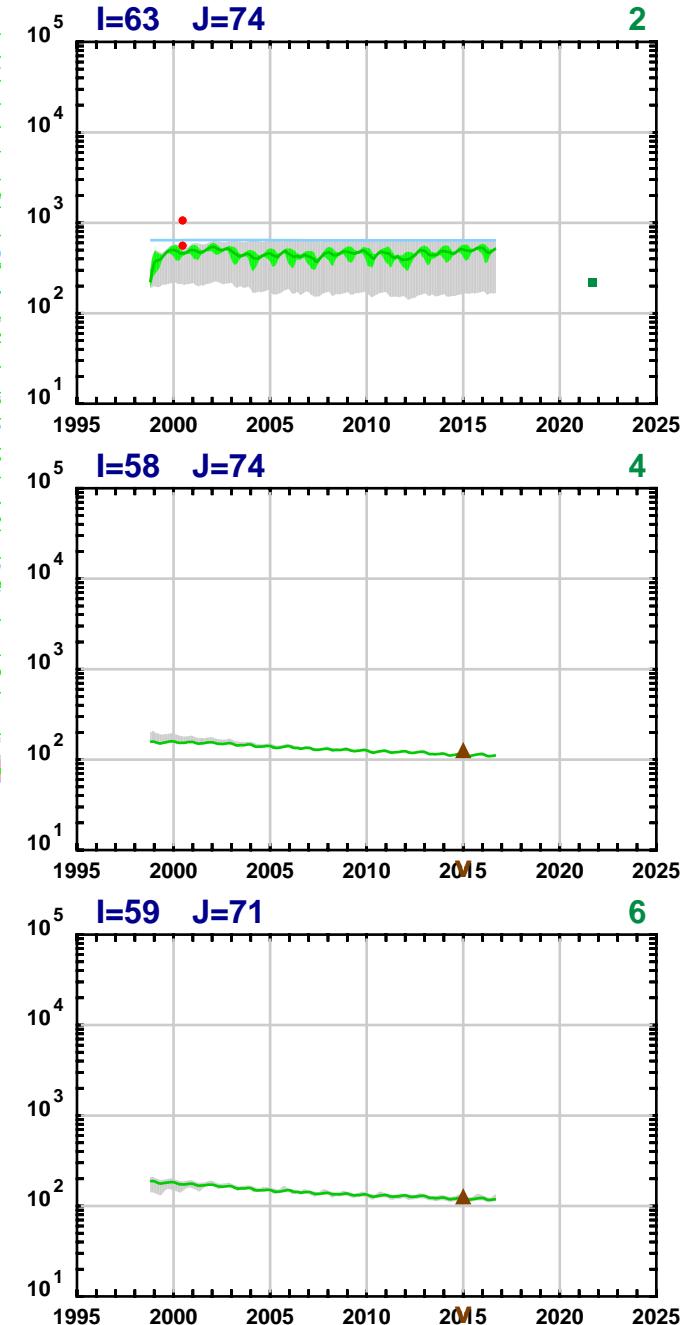
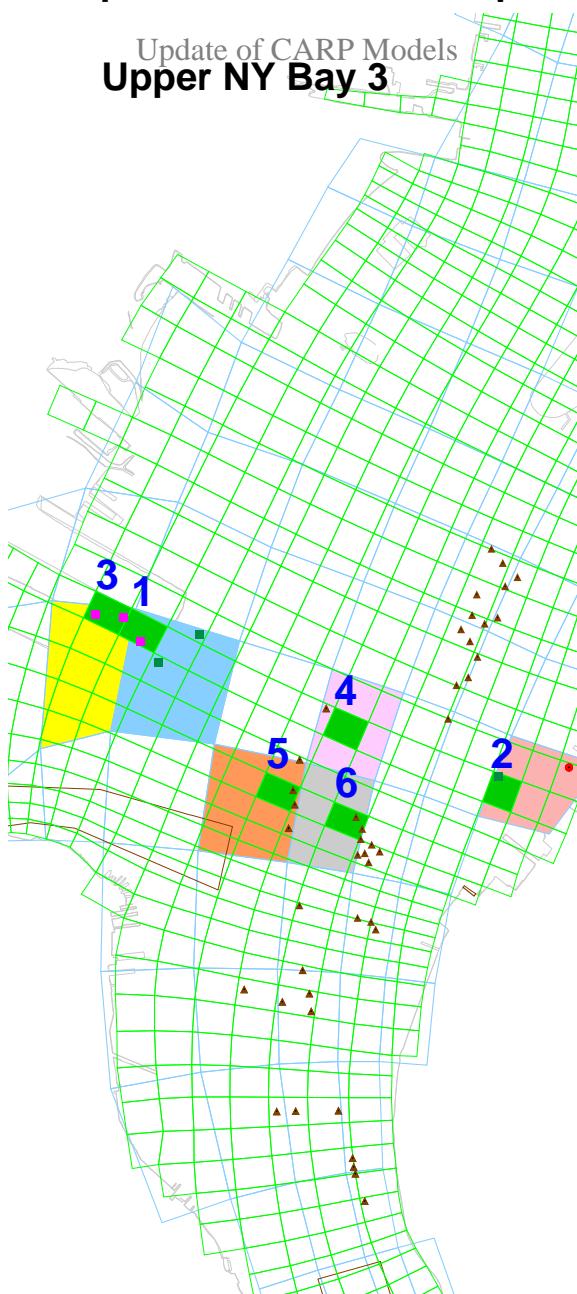
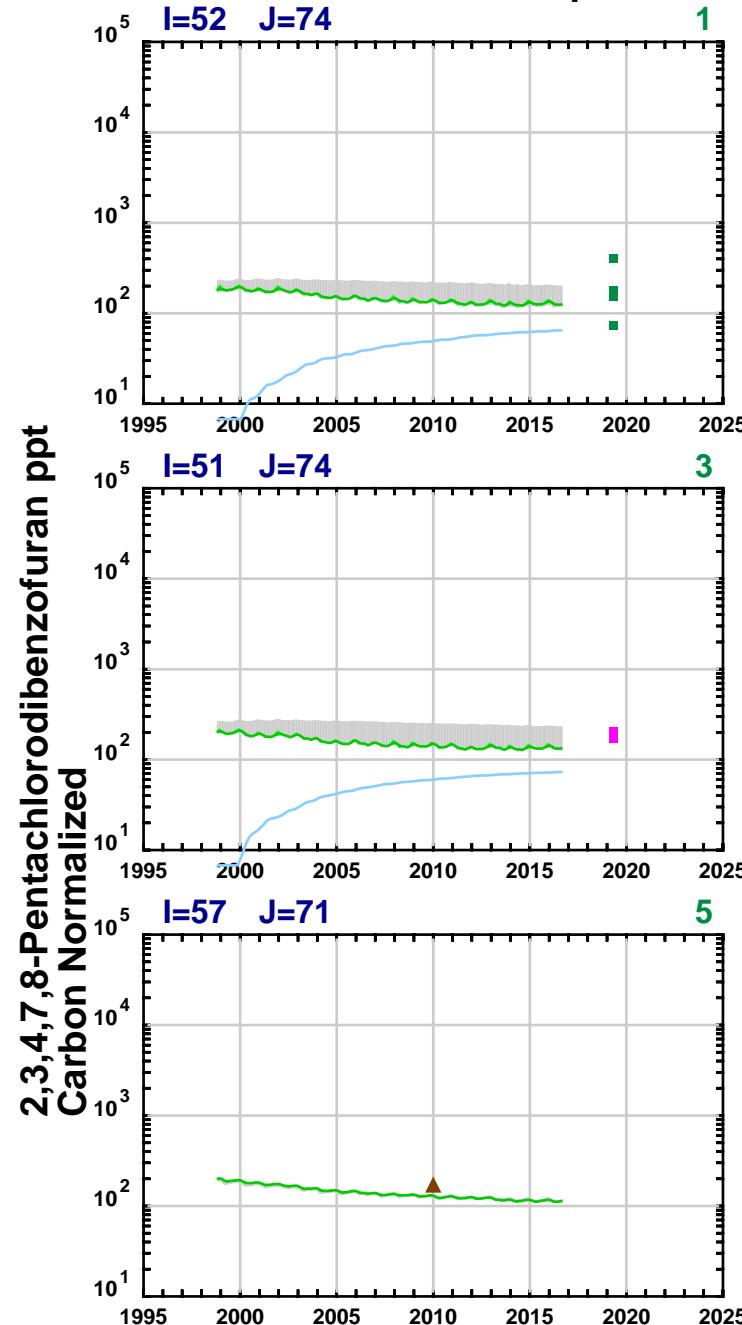
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



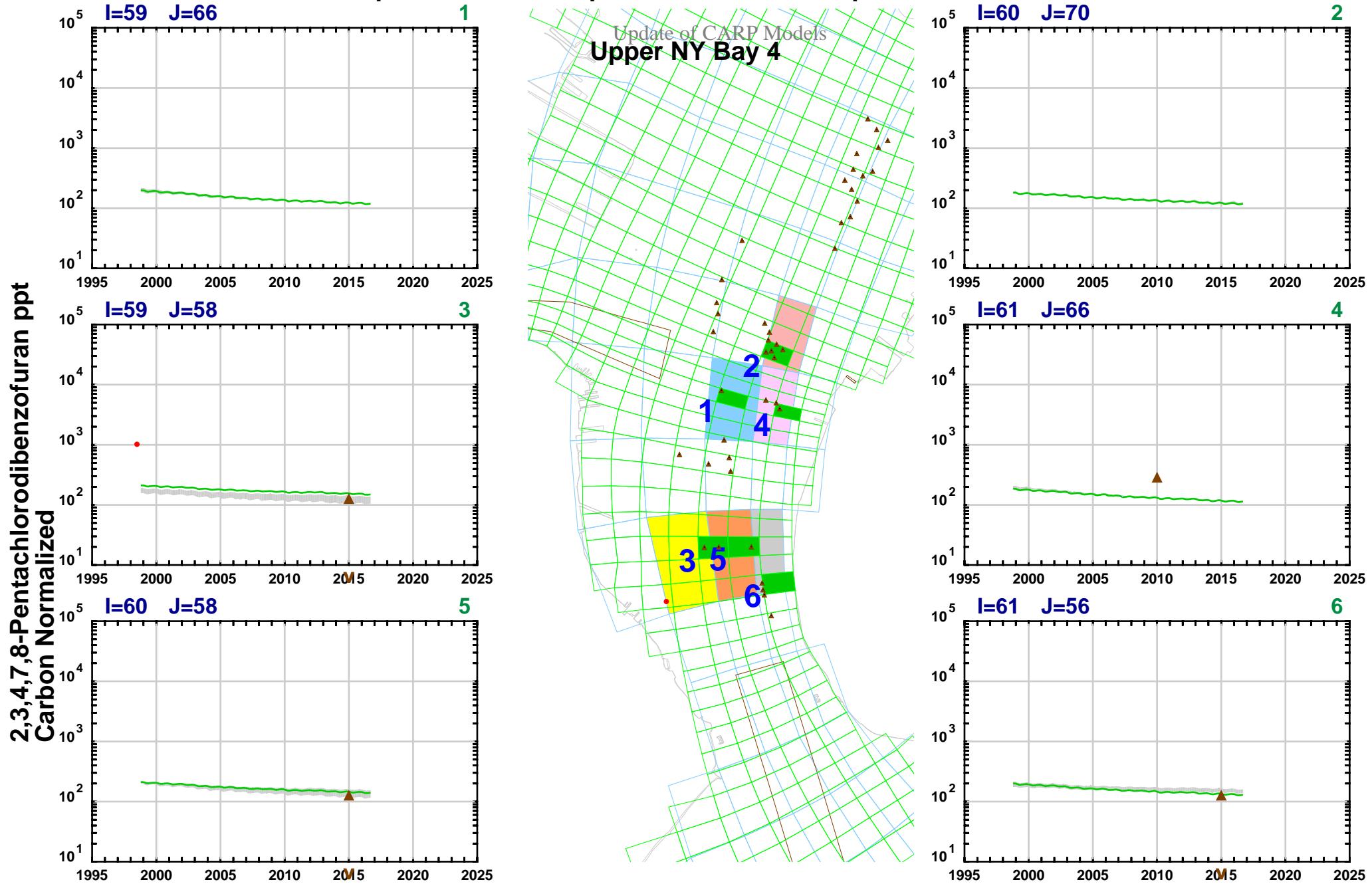
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



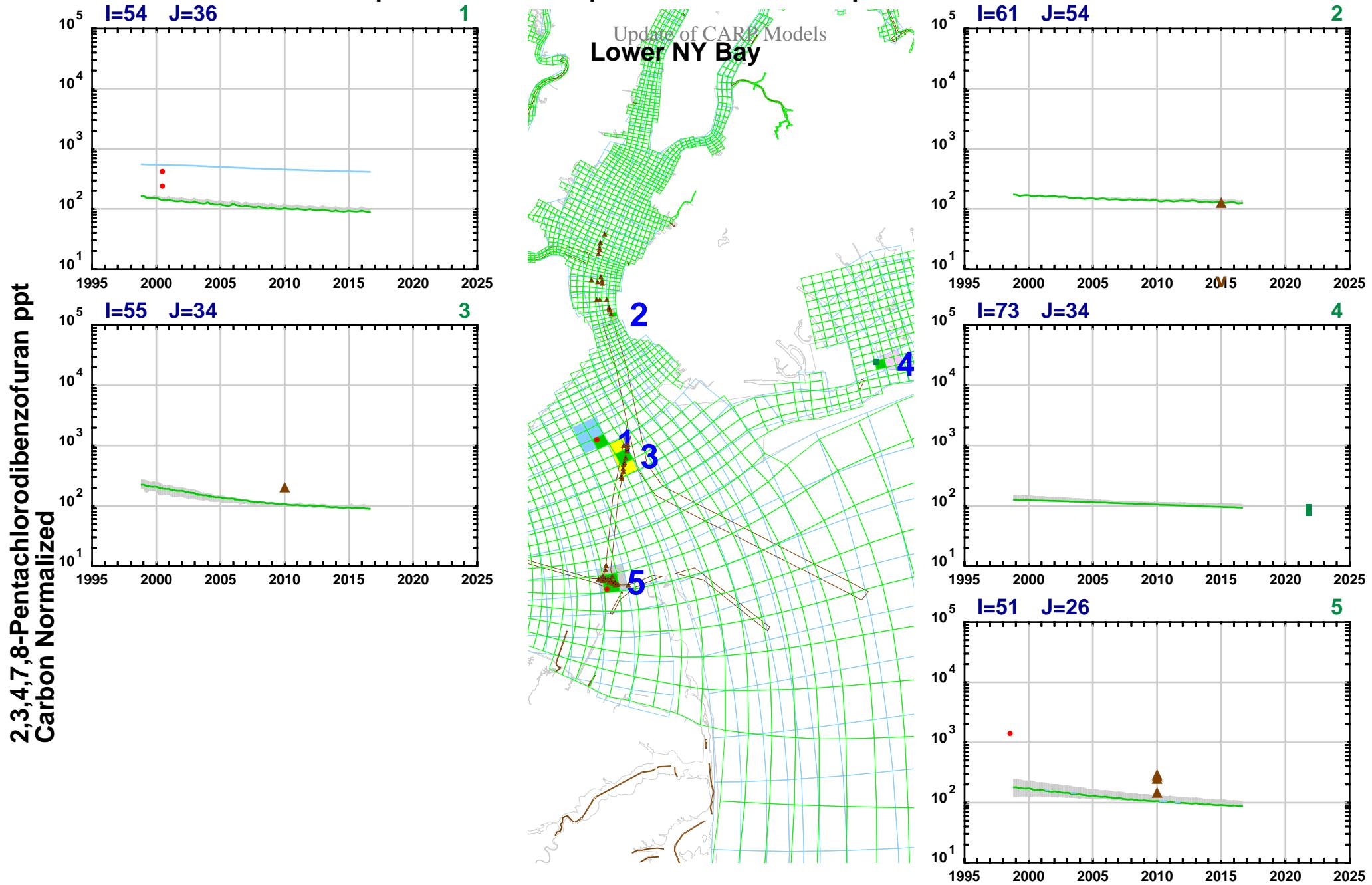
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



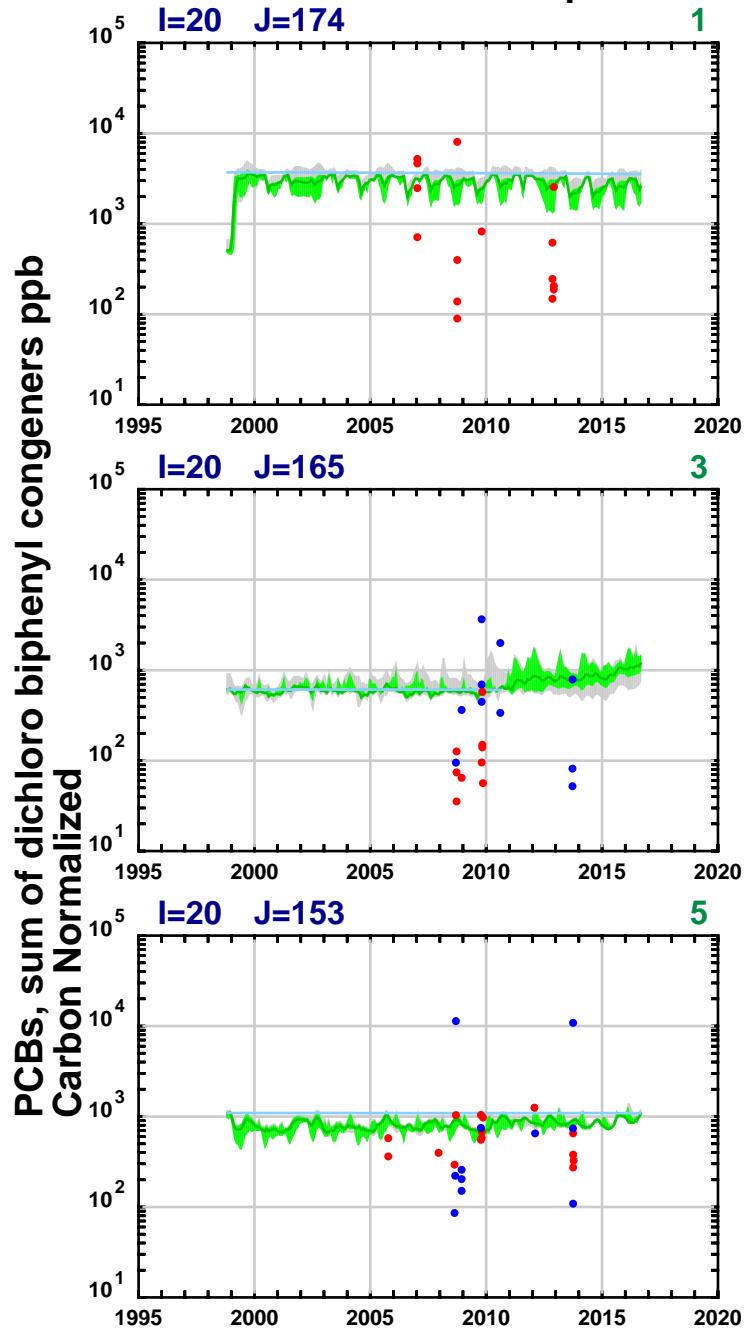
RUN18

Model: mean and range of values in top sediment

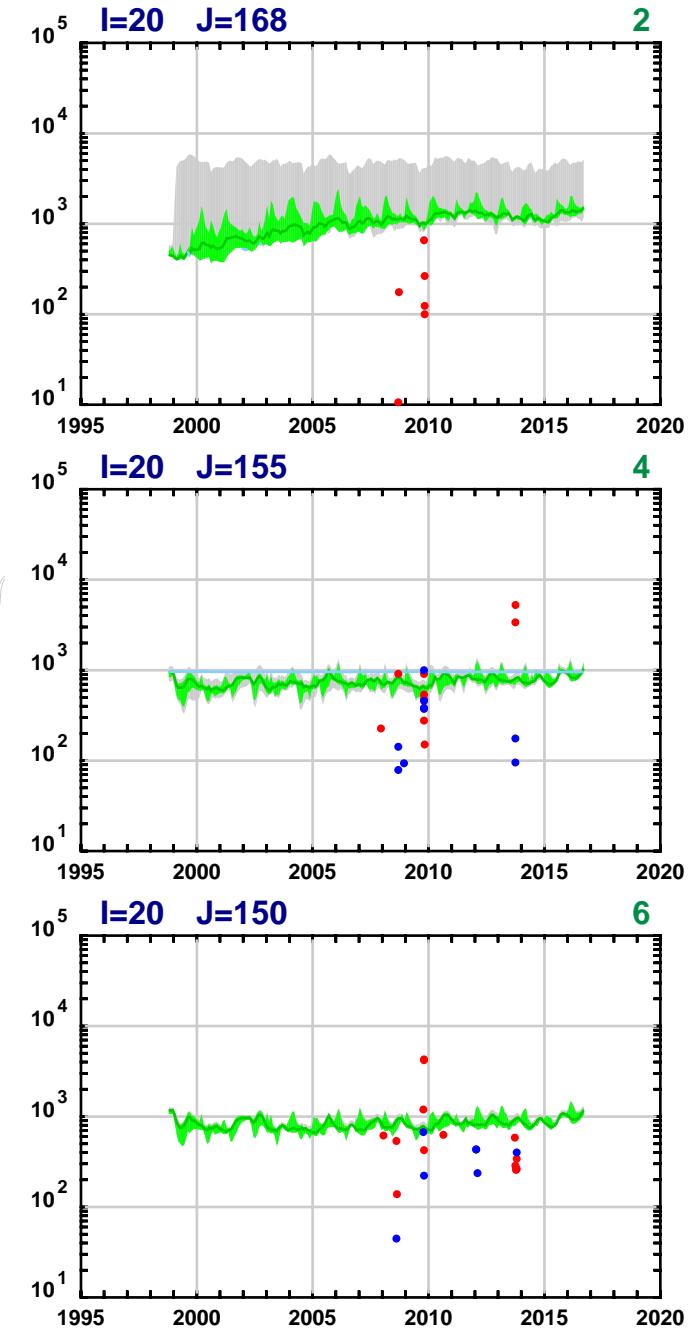
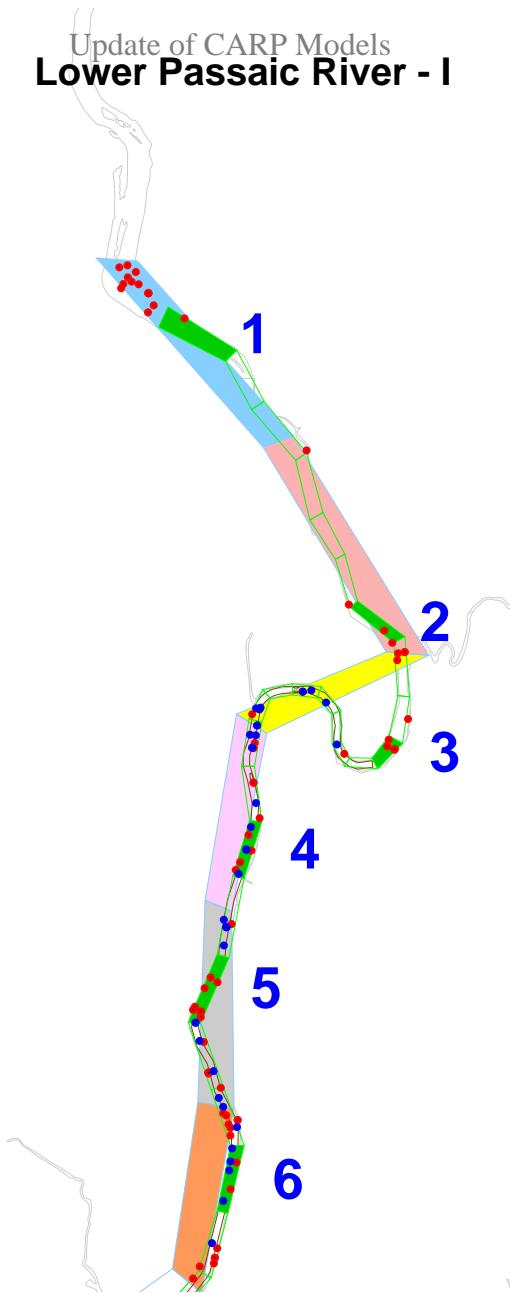
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I



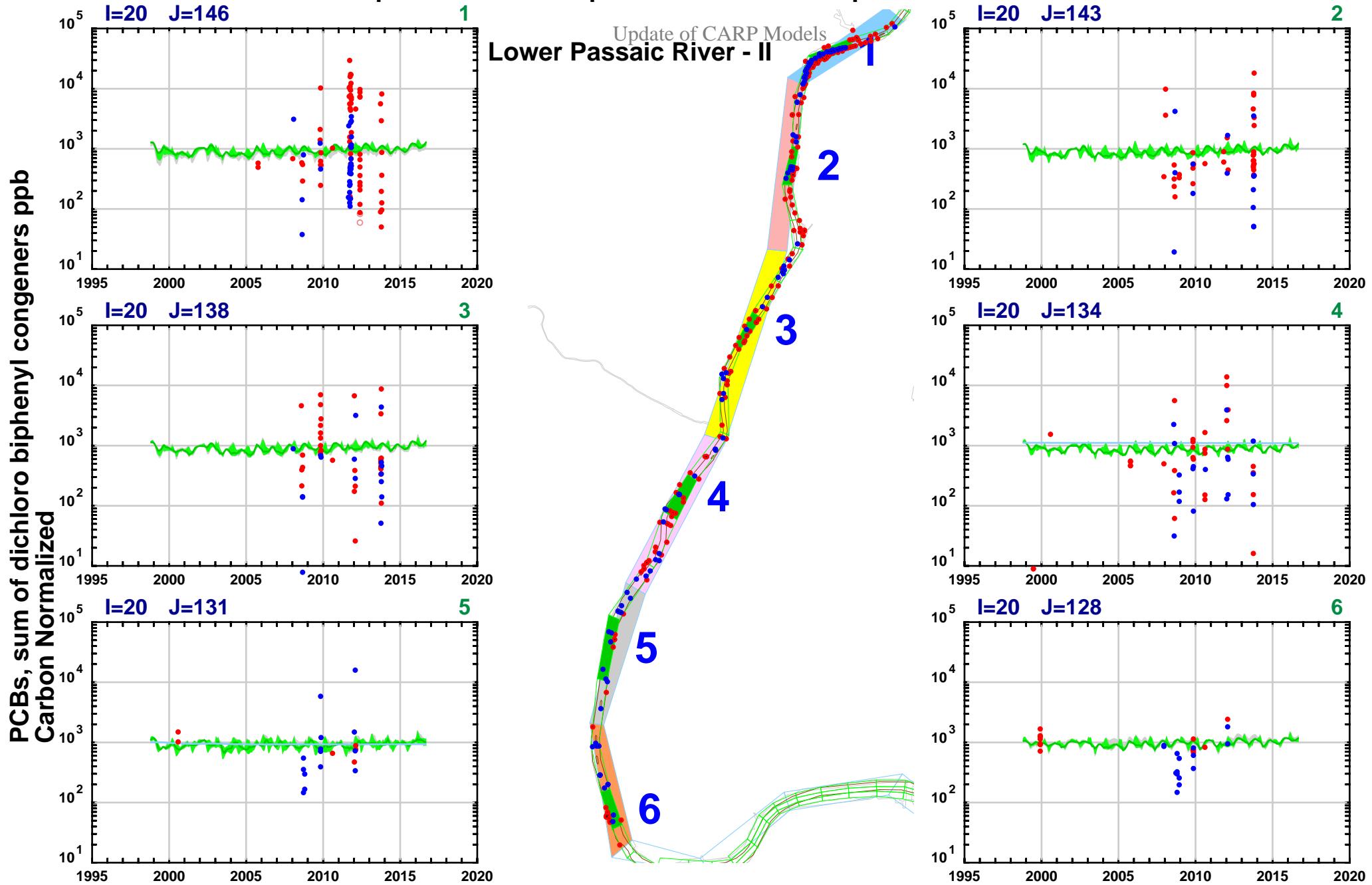
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



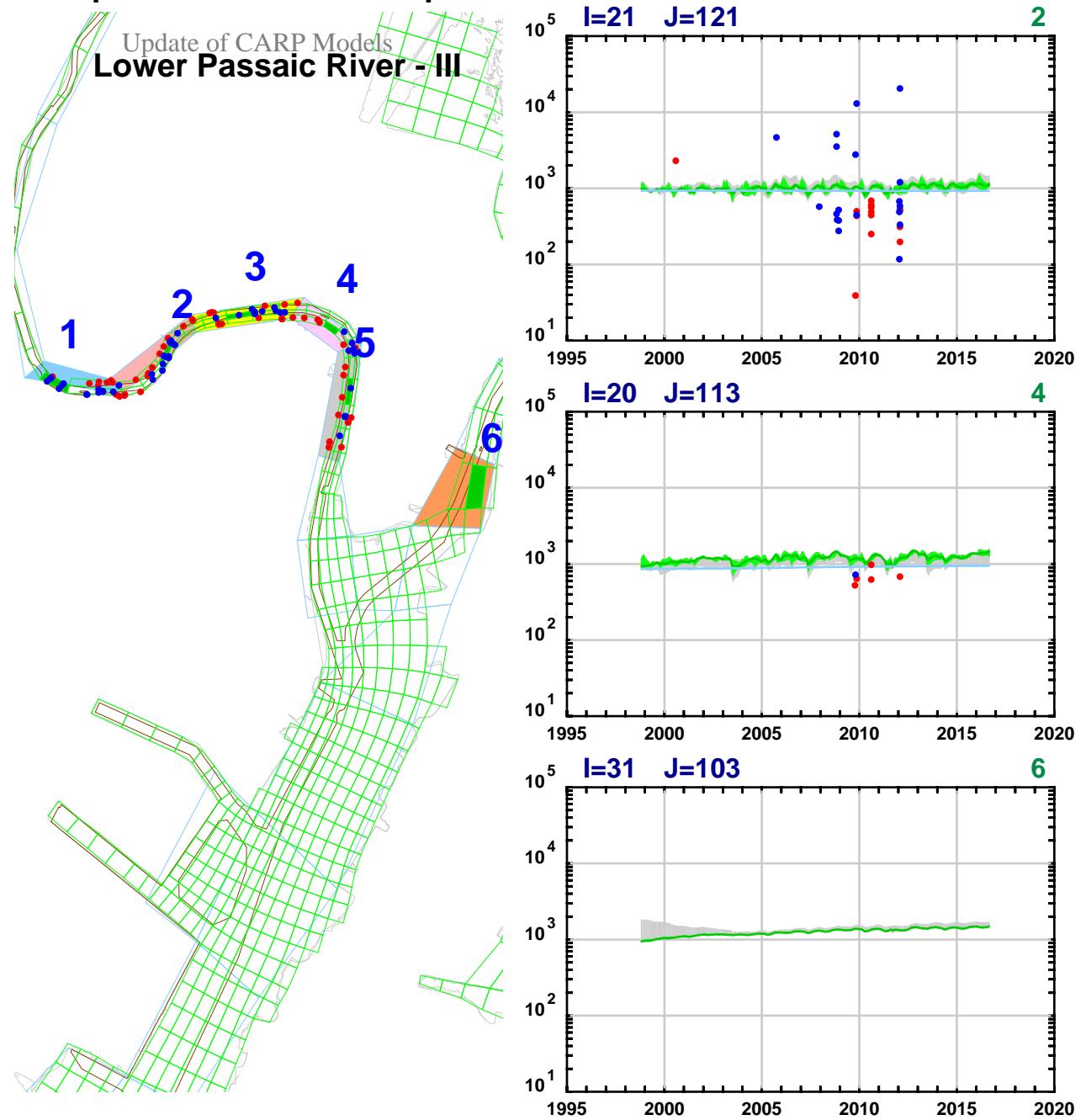
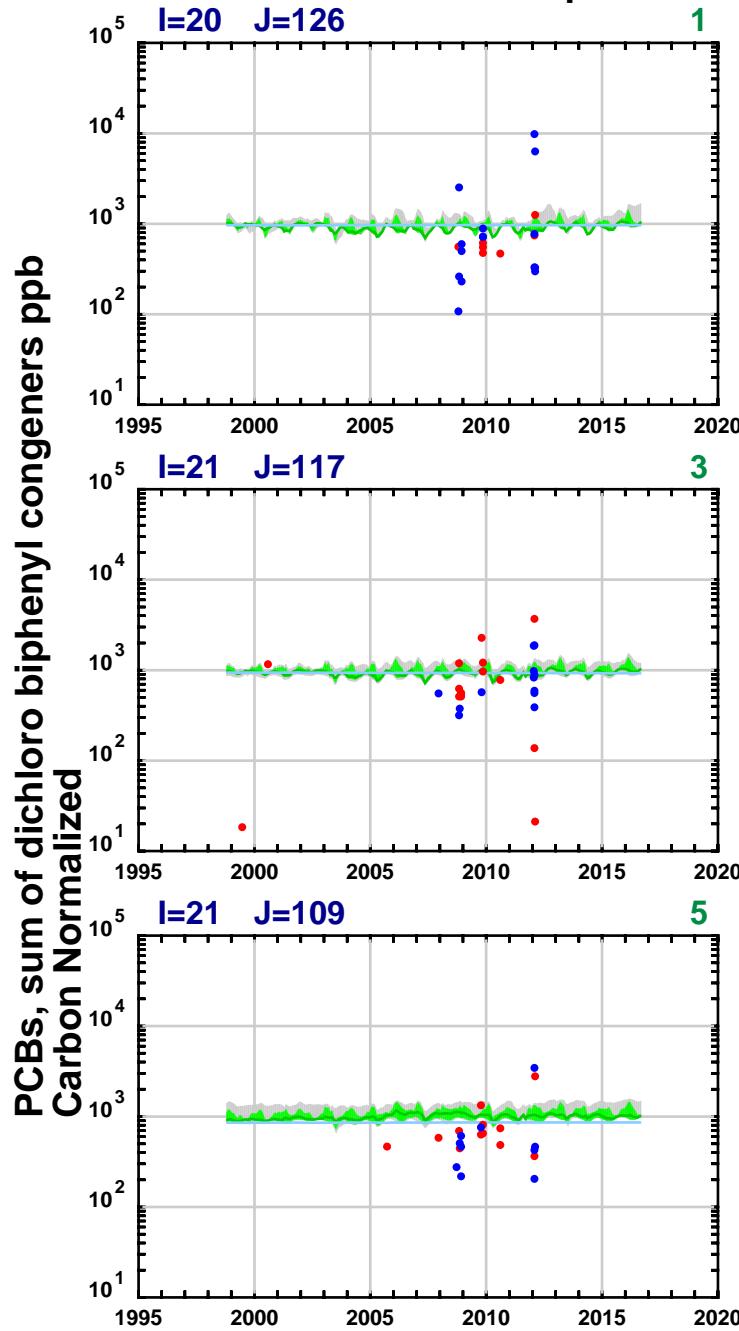
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

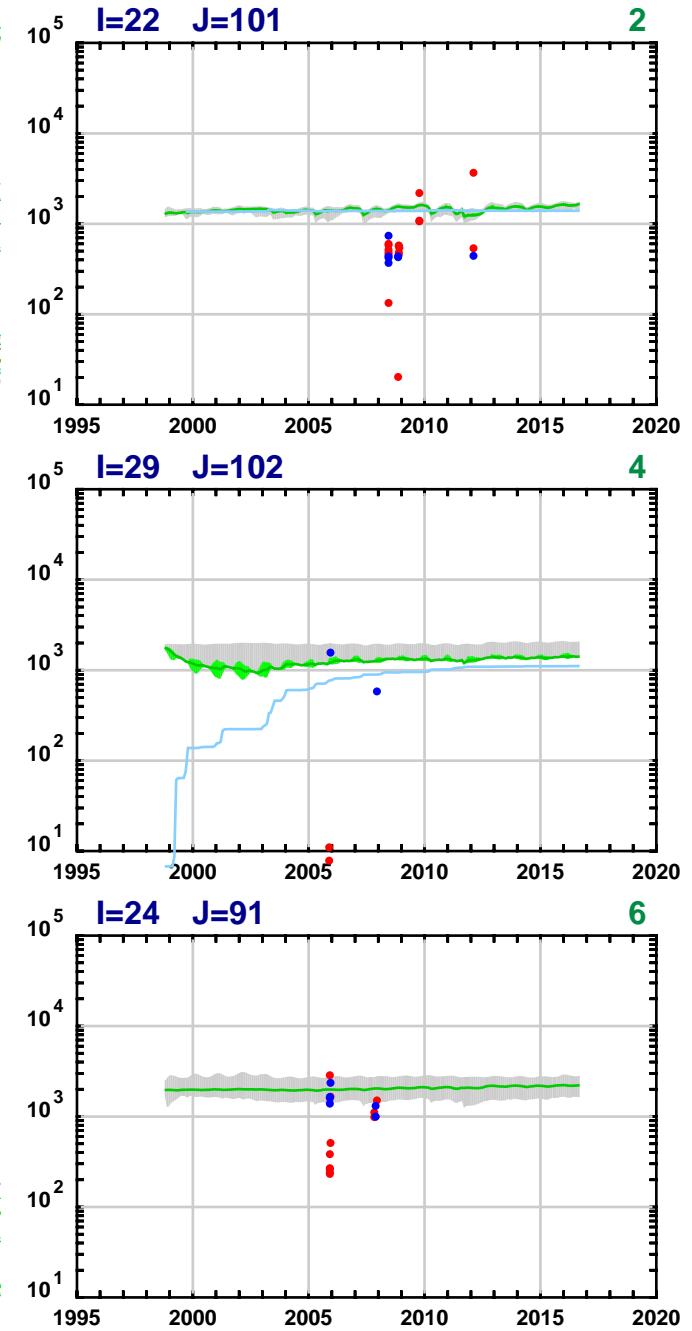
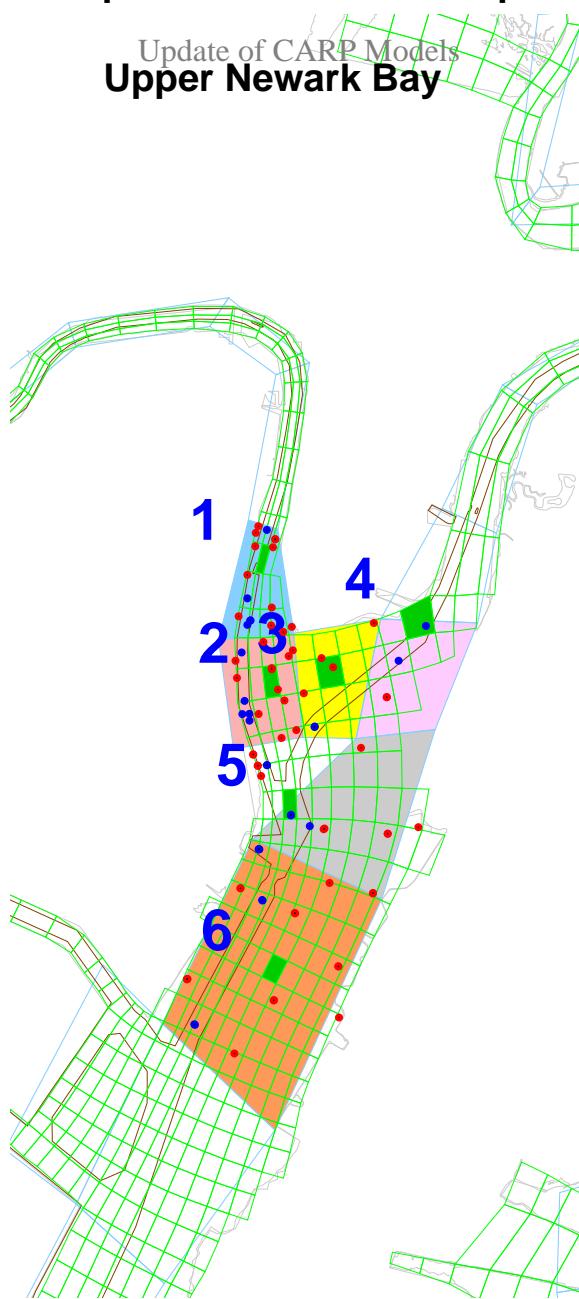
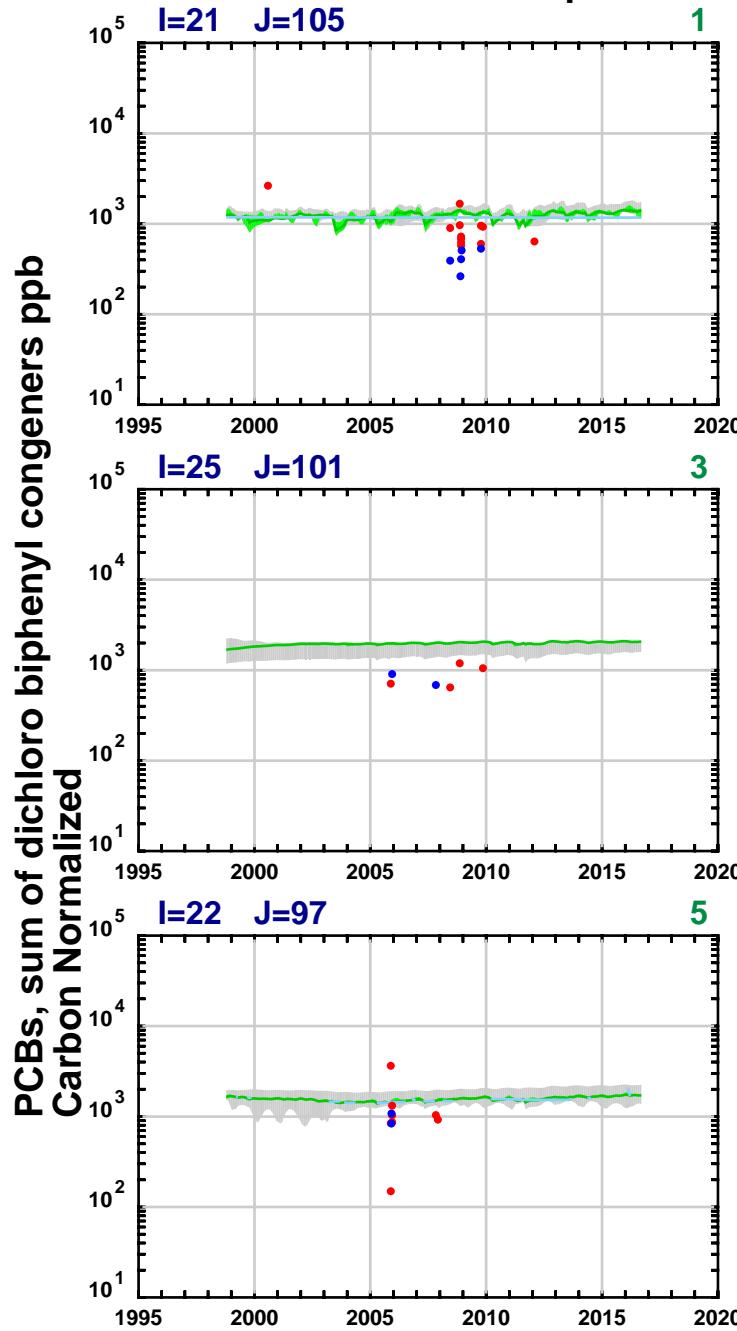


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

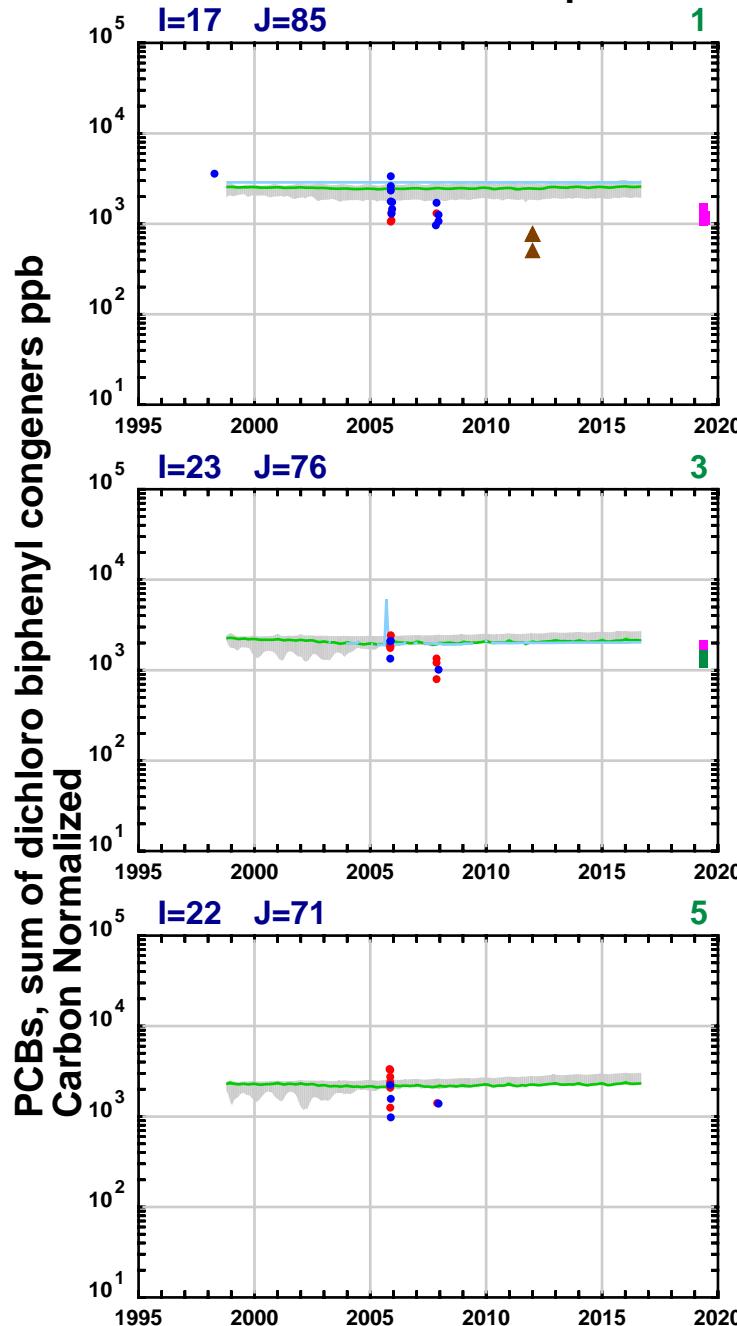


RUN18

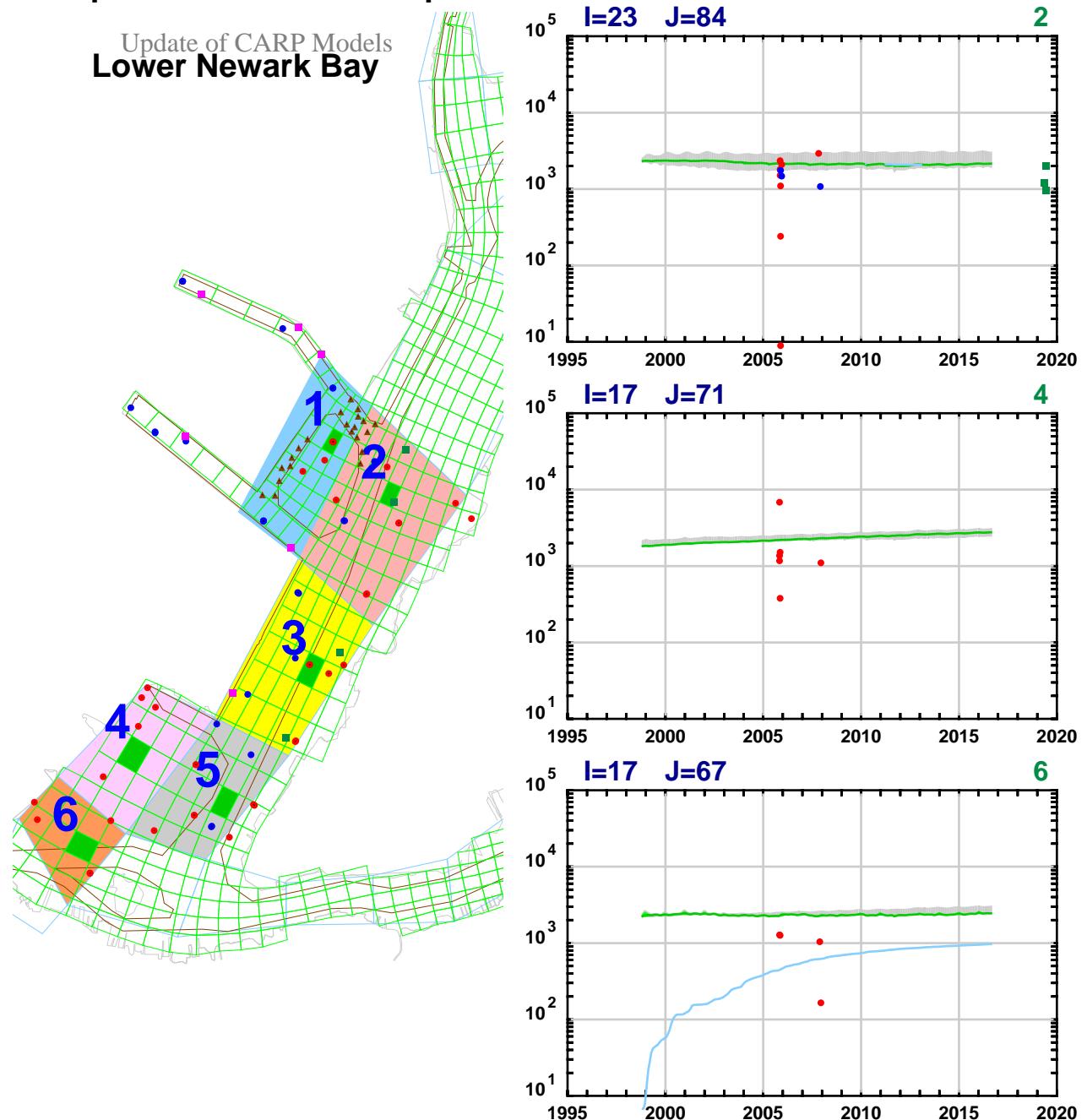
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay



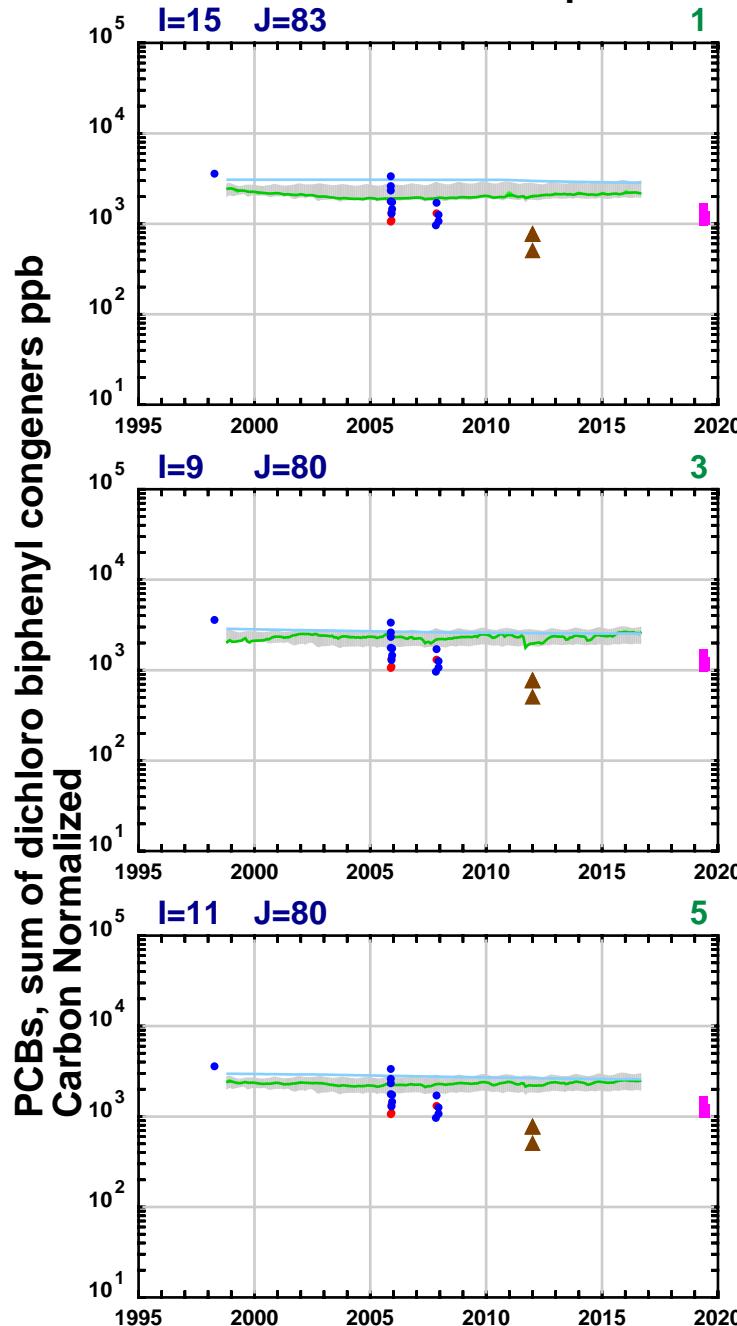
RUN18

Model: mean and range of values in top sediment

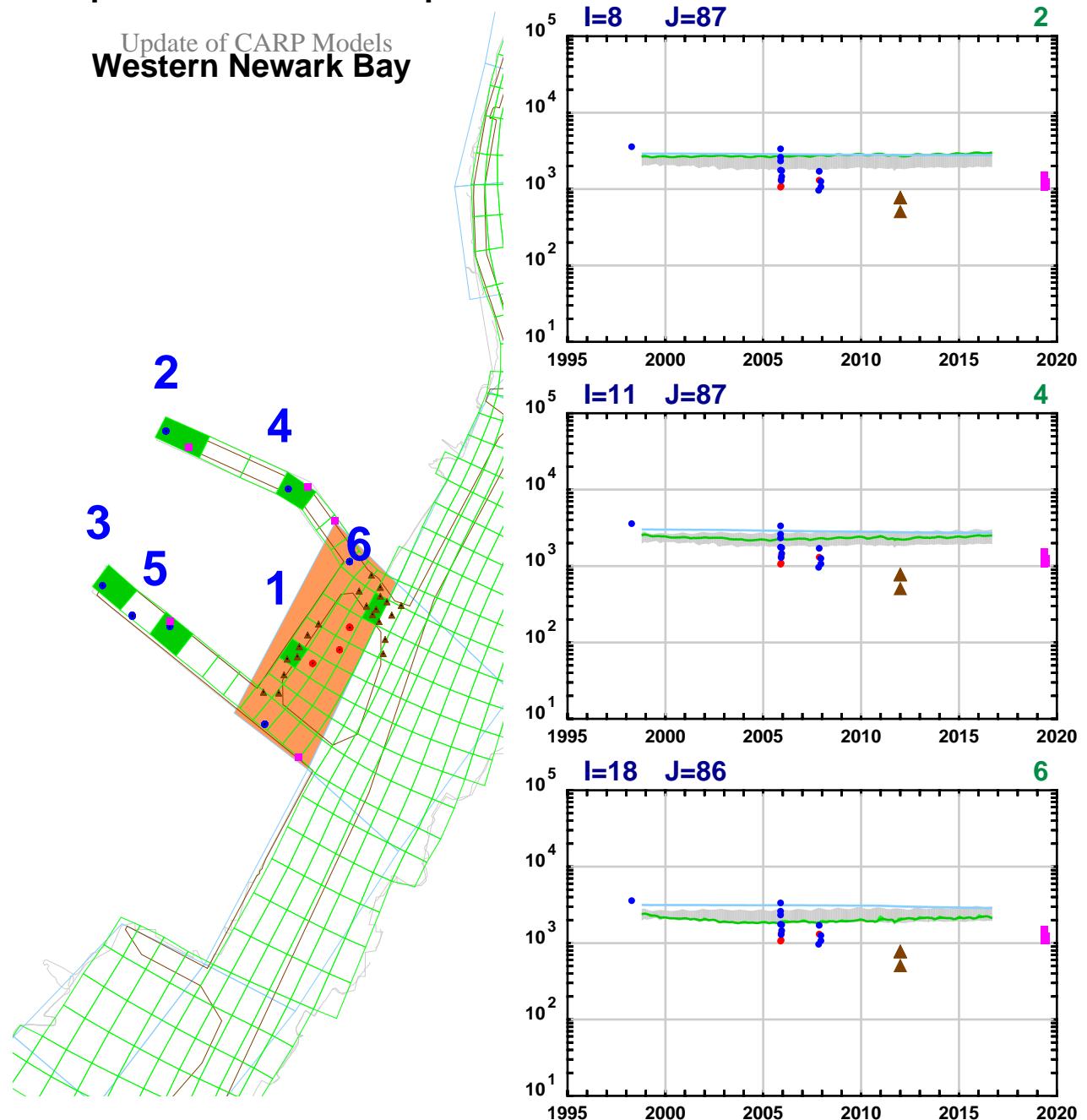
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay



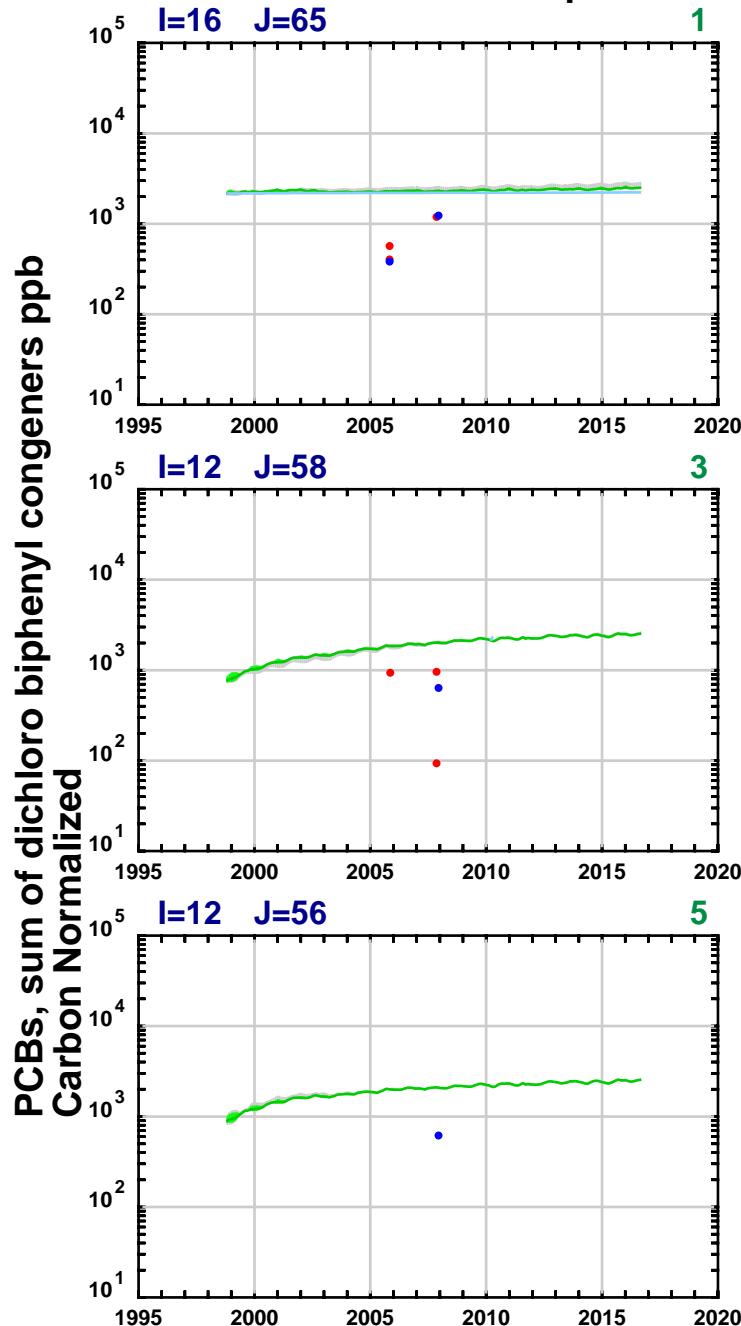
RUN18

Model: mean and range of values in top sediment

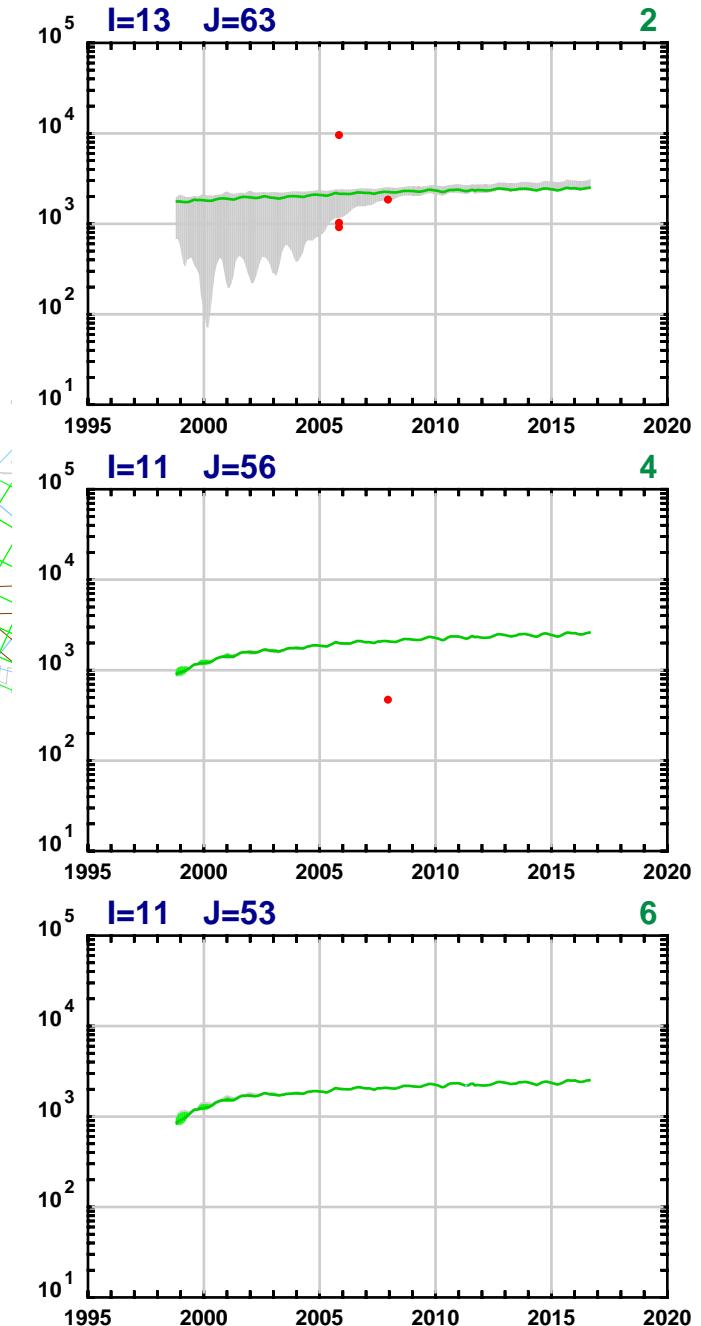
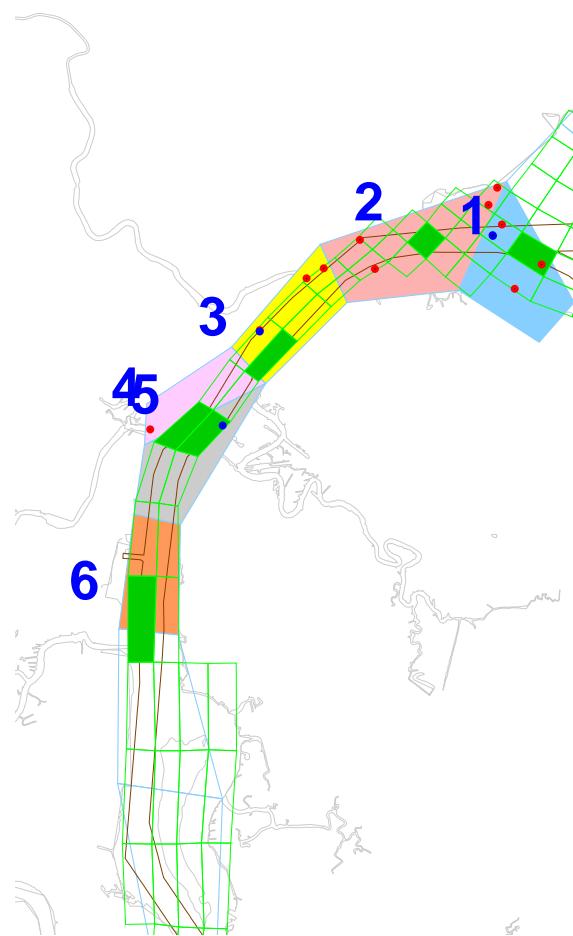
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1

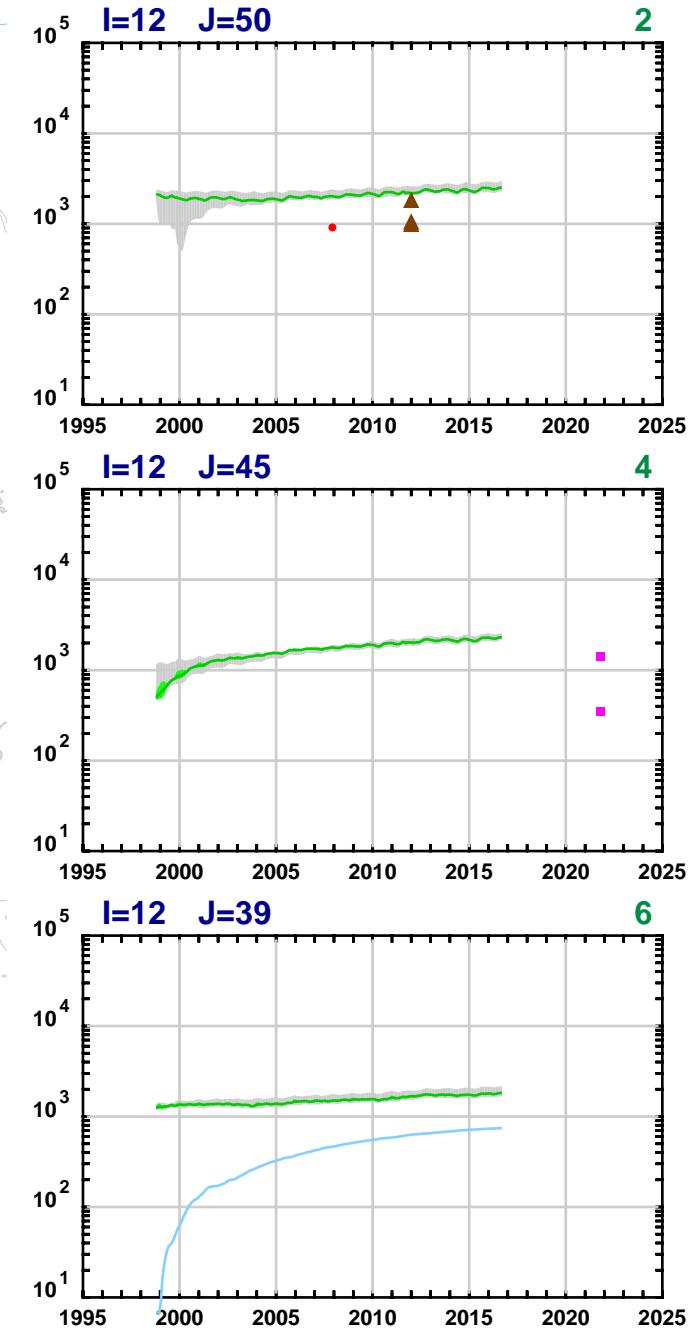
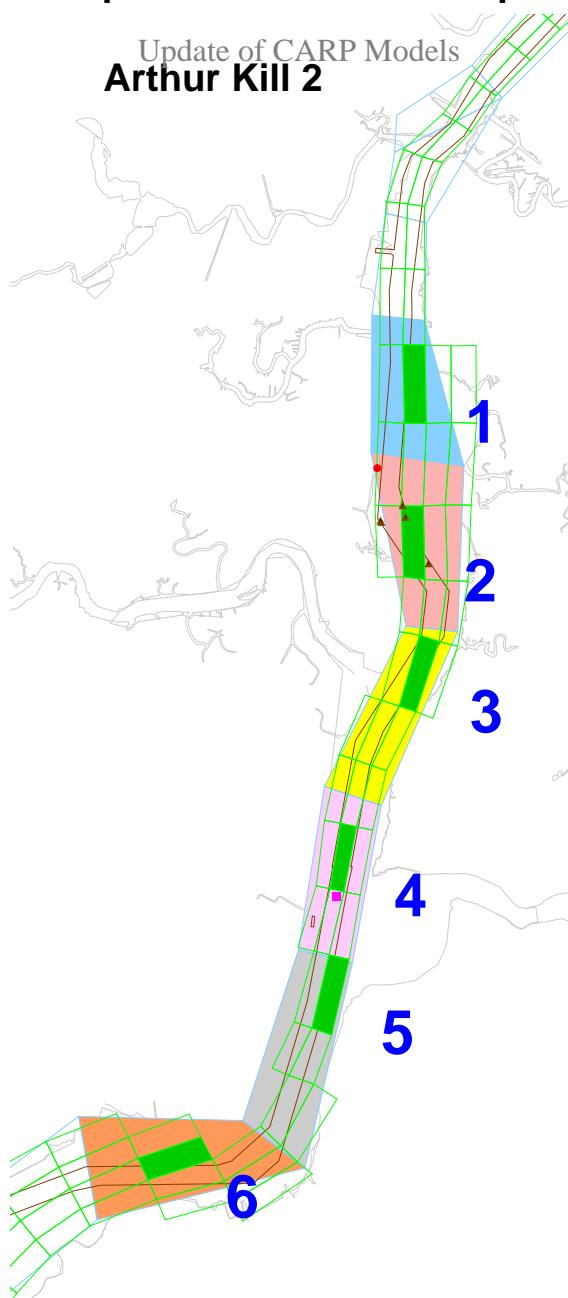
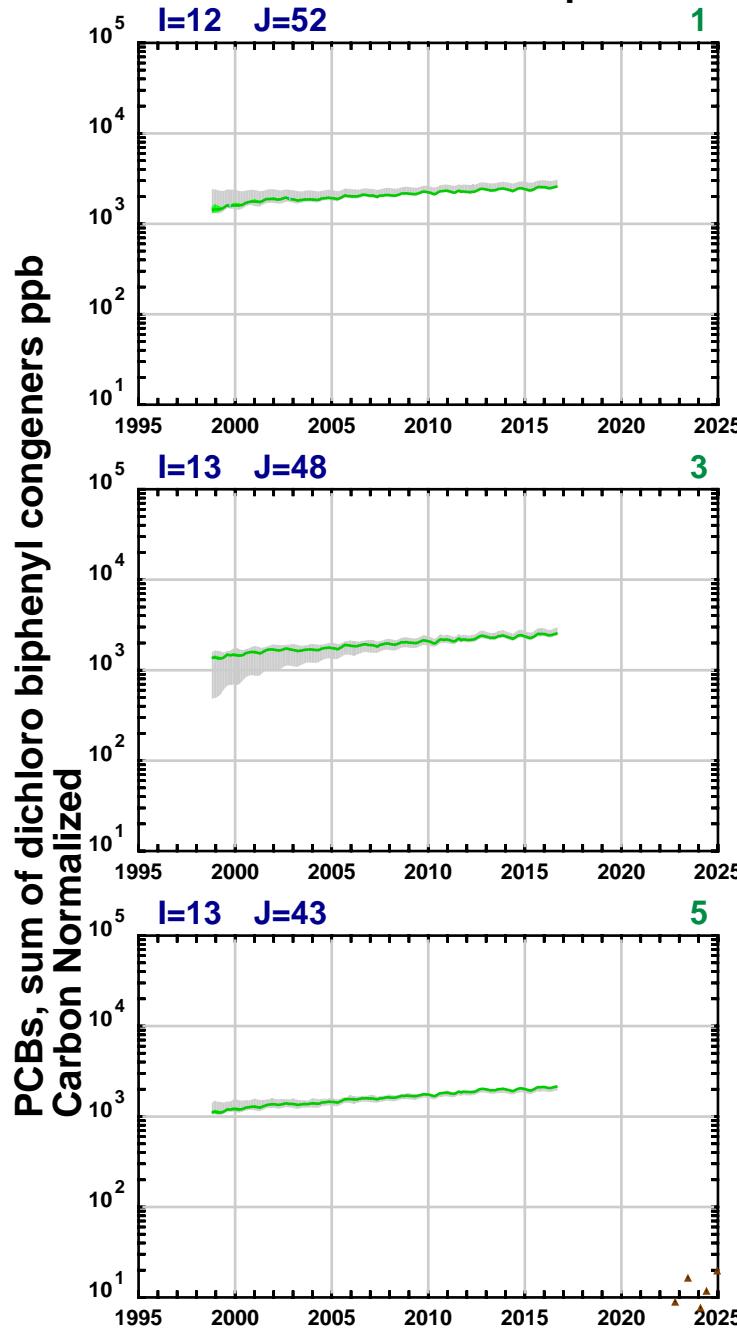


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

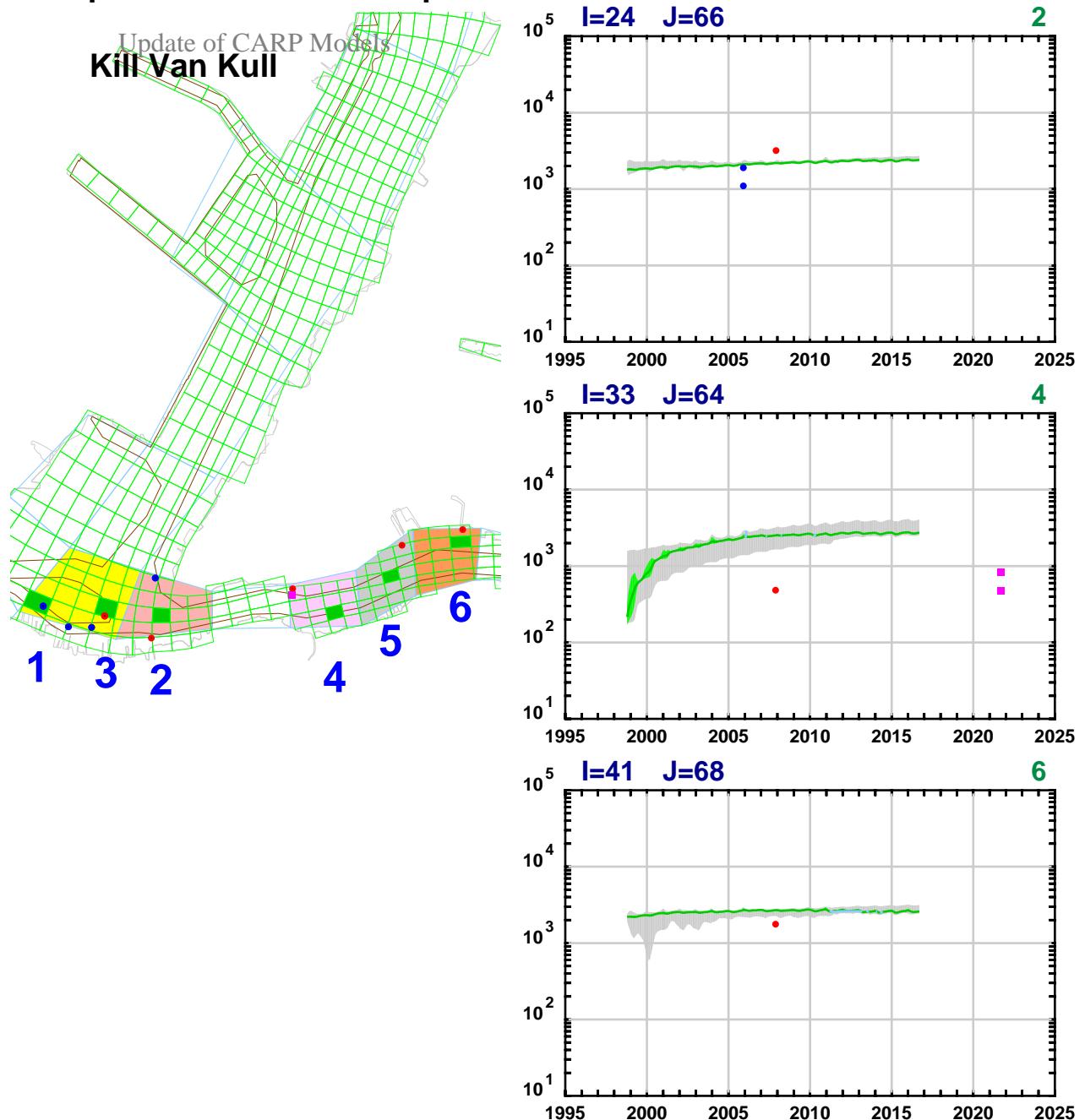
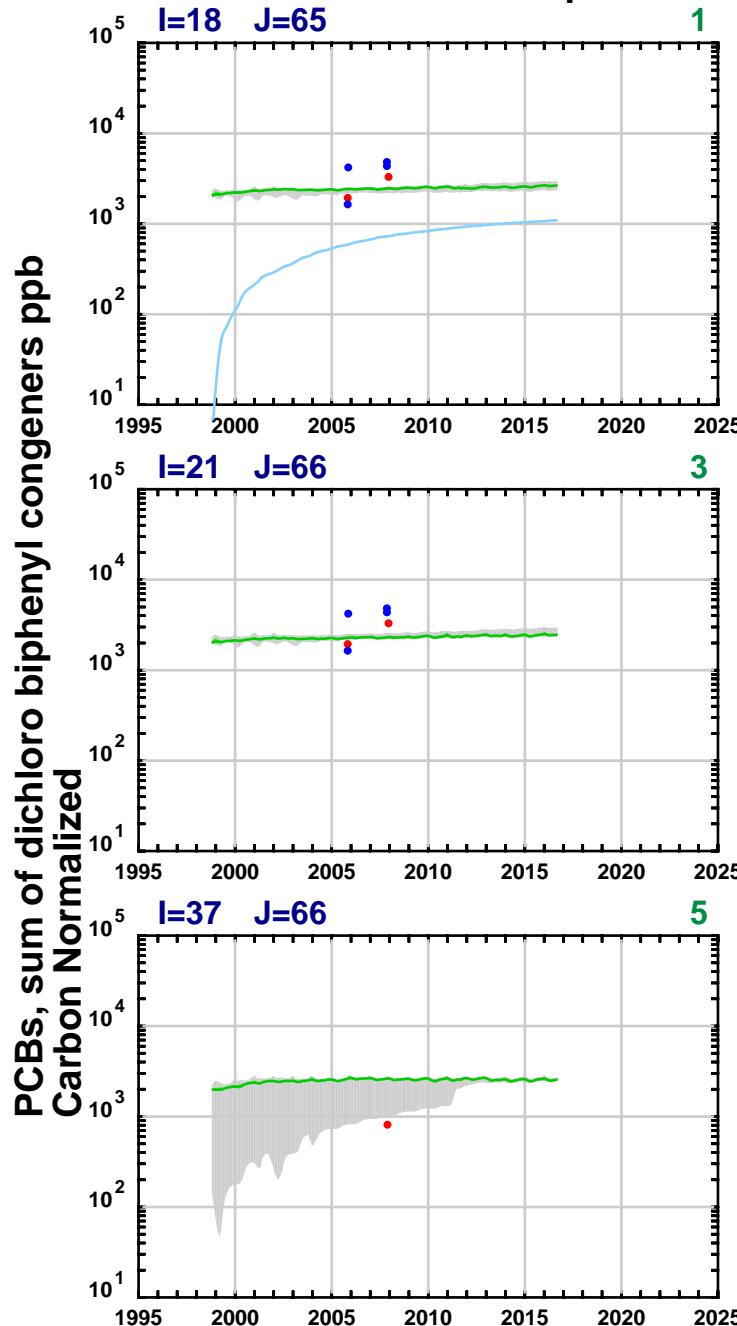


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



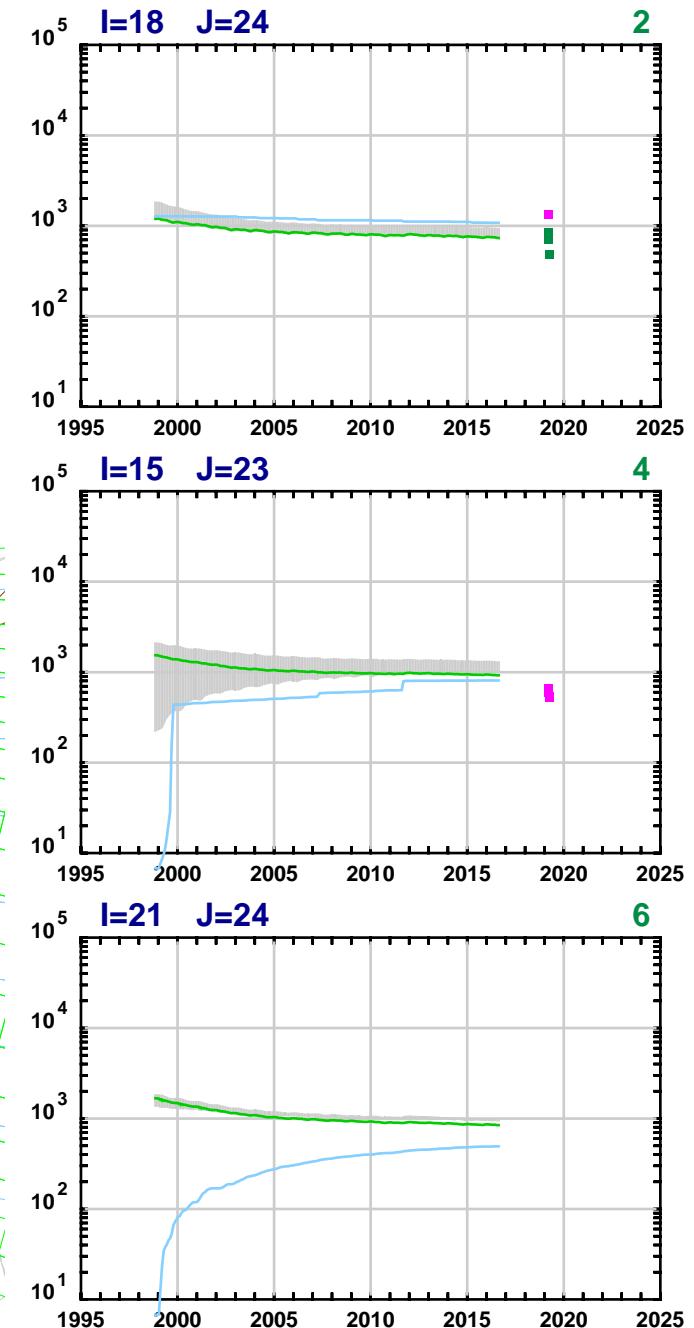
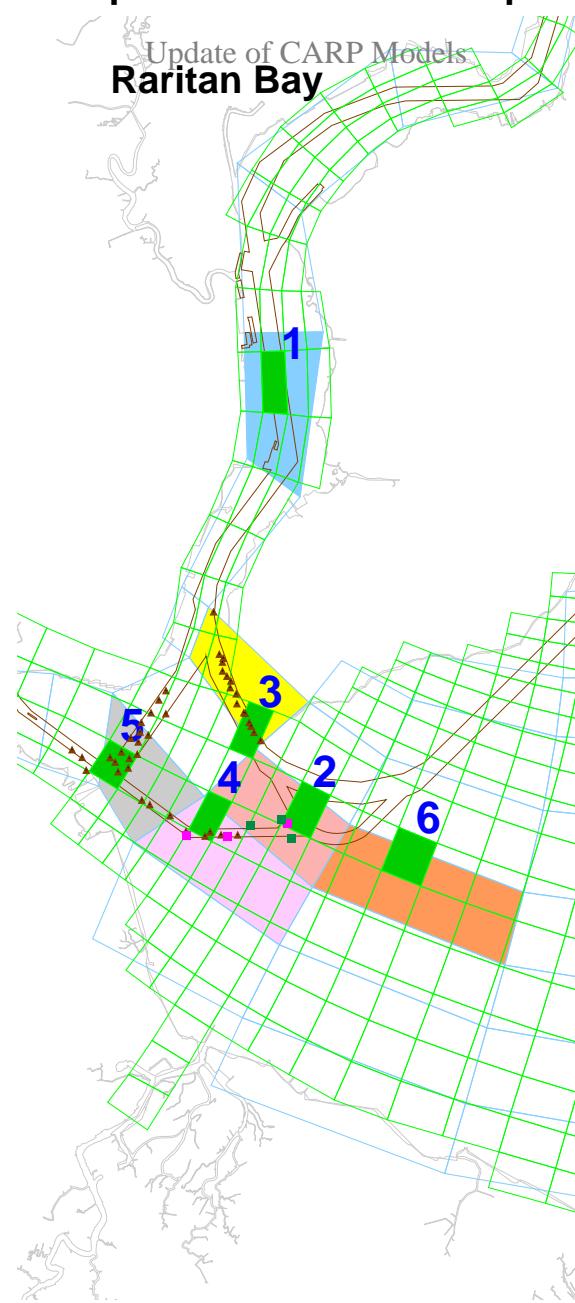
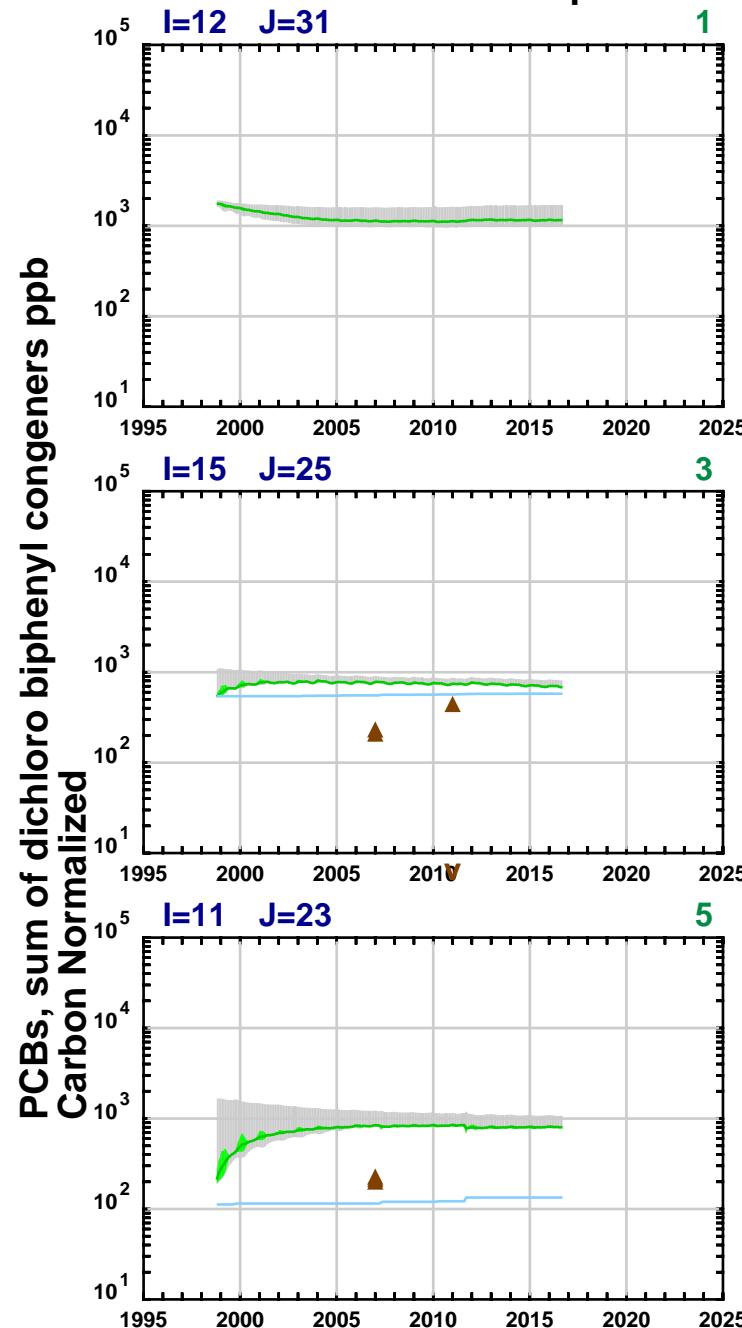
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

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- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



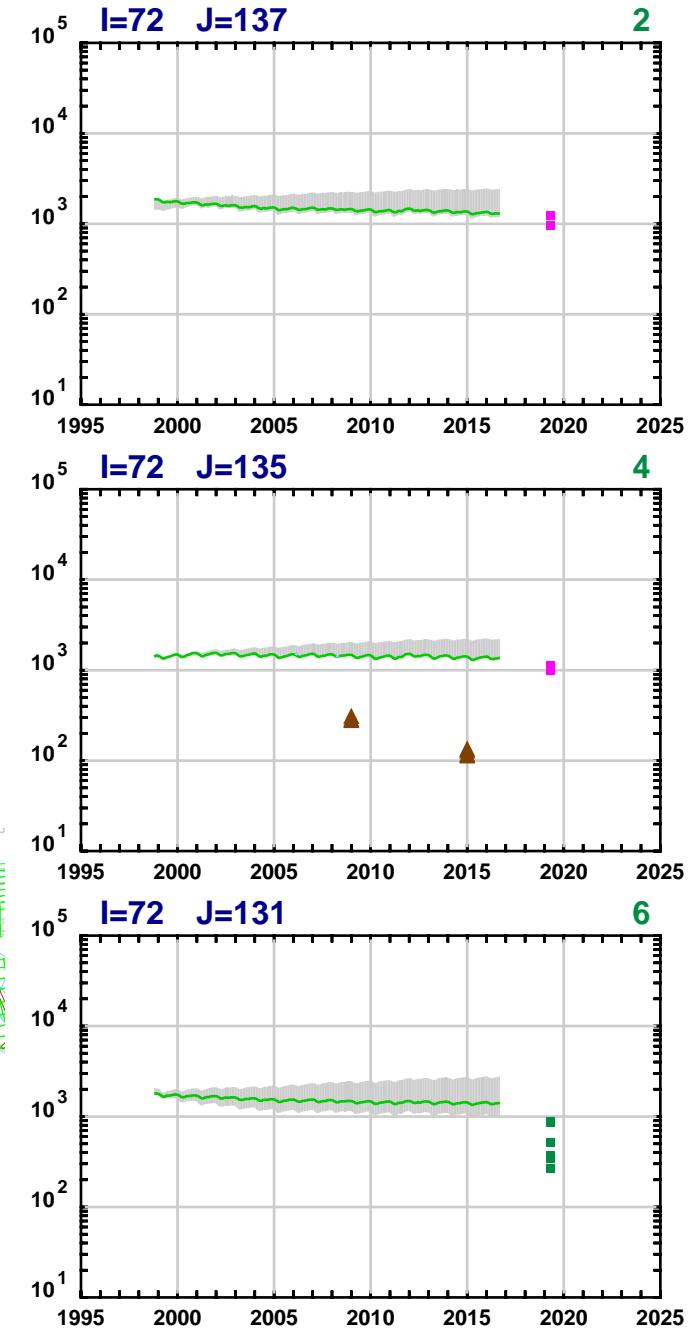
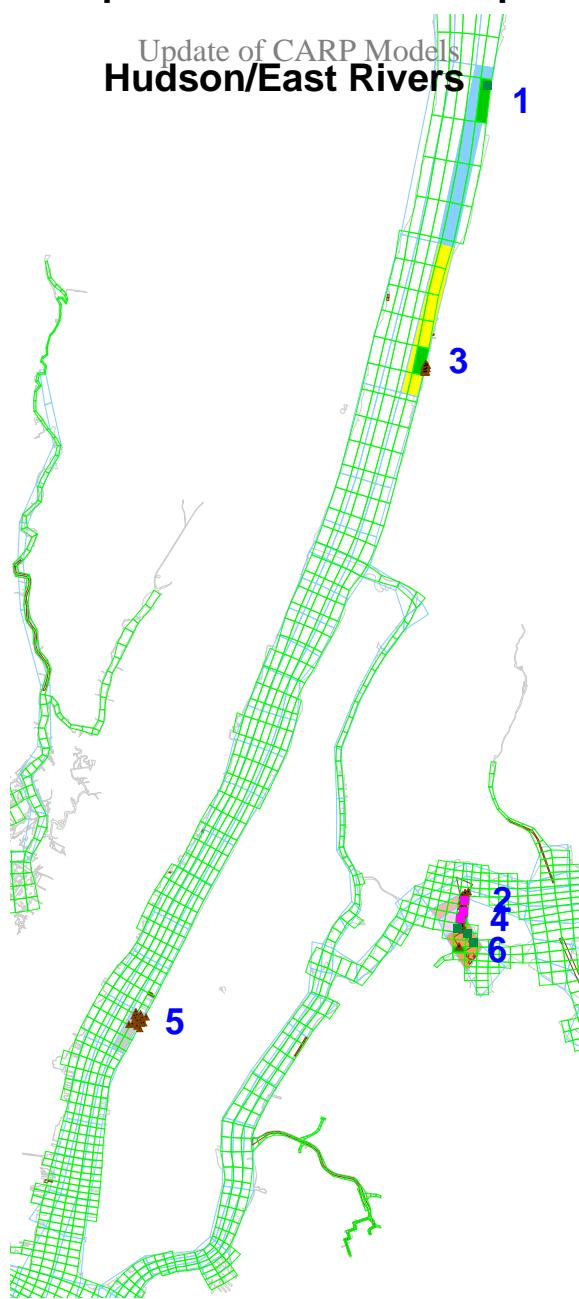
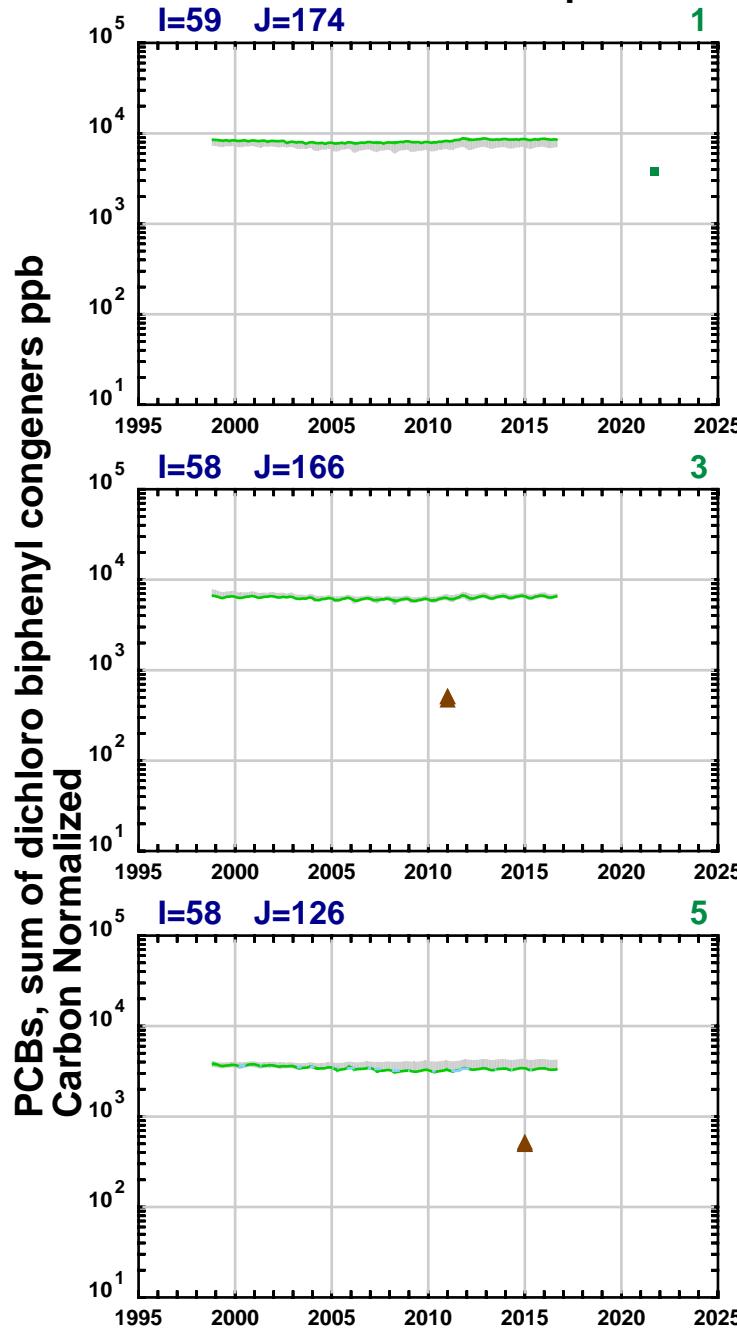
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



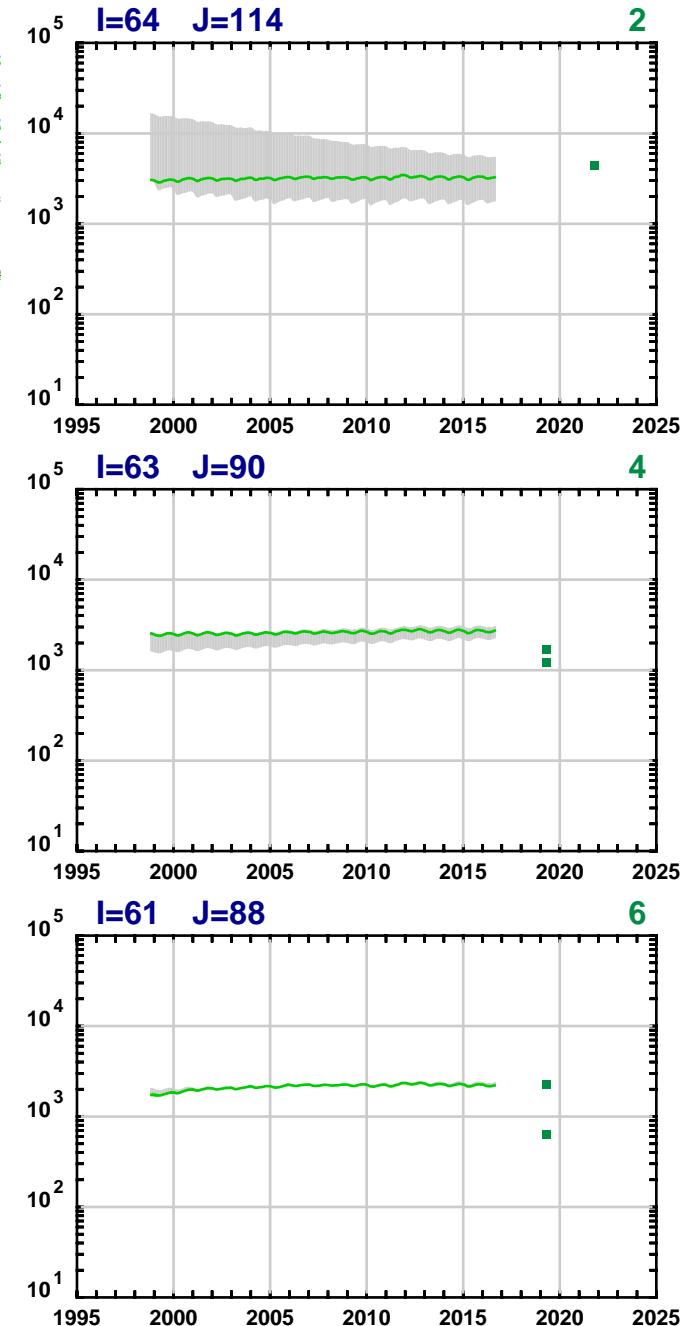
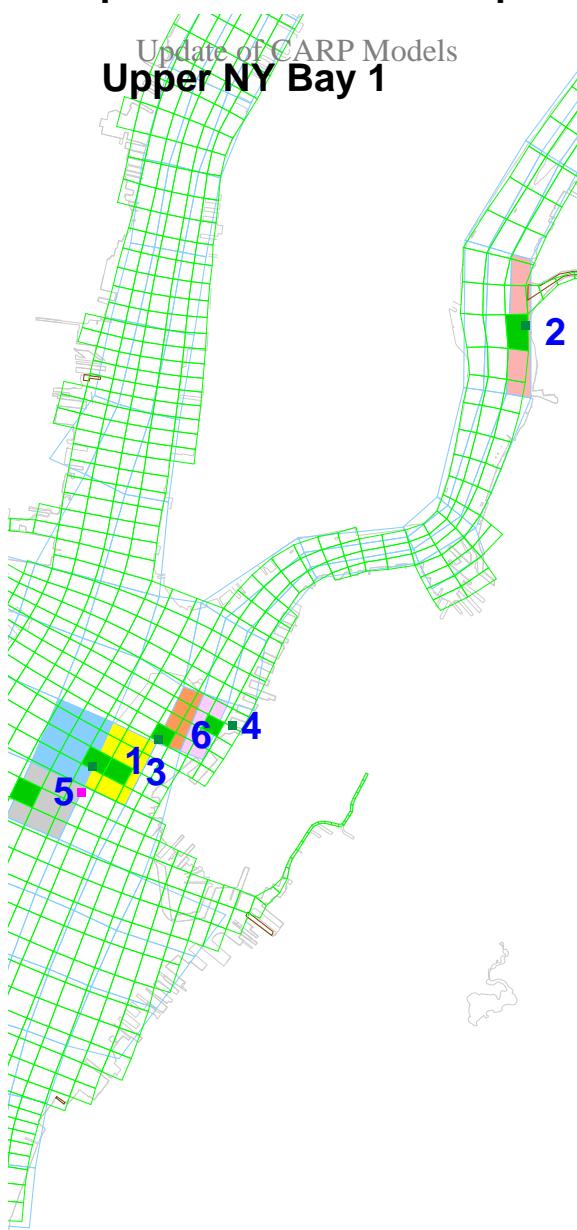
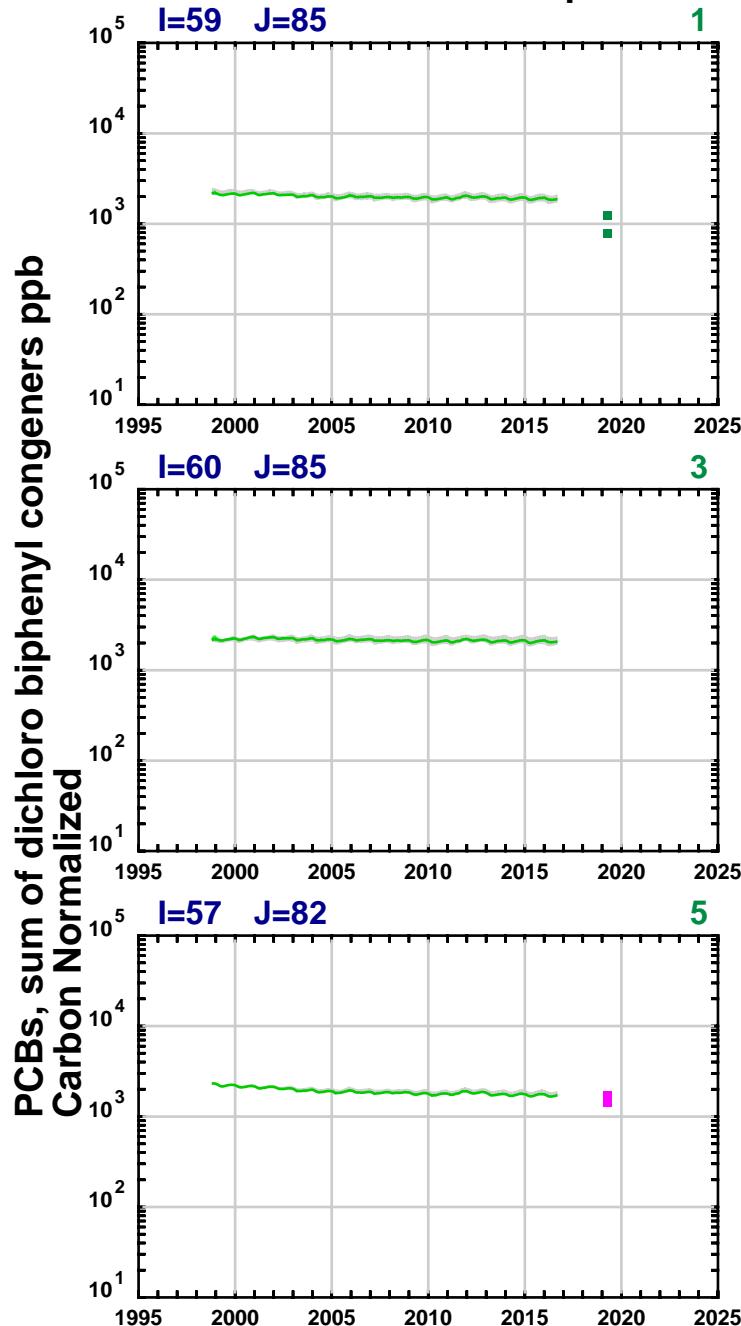
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



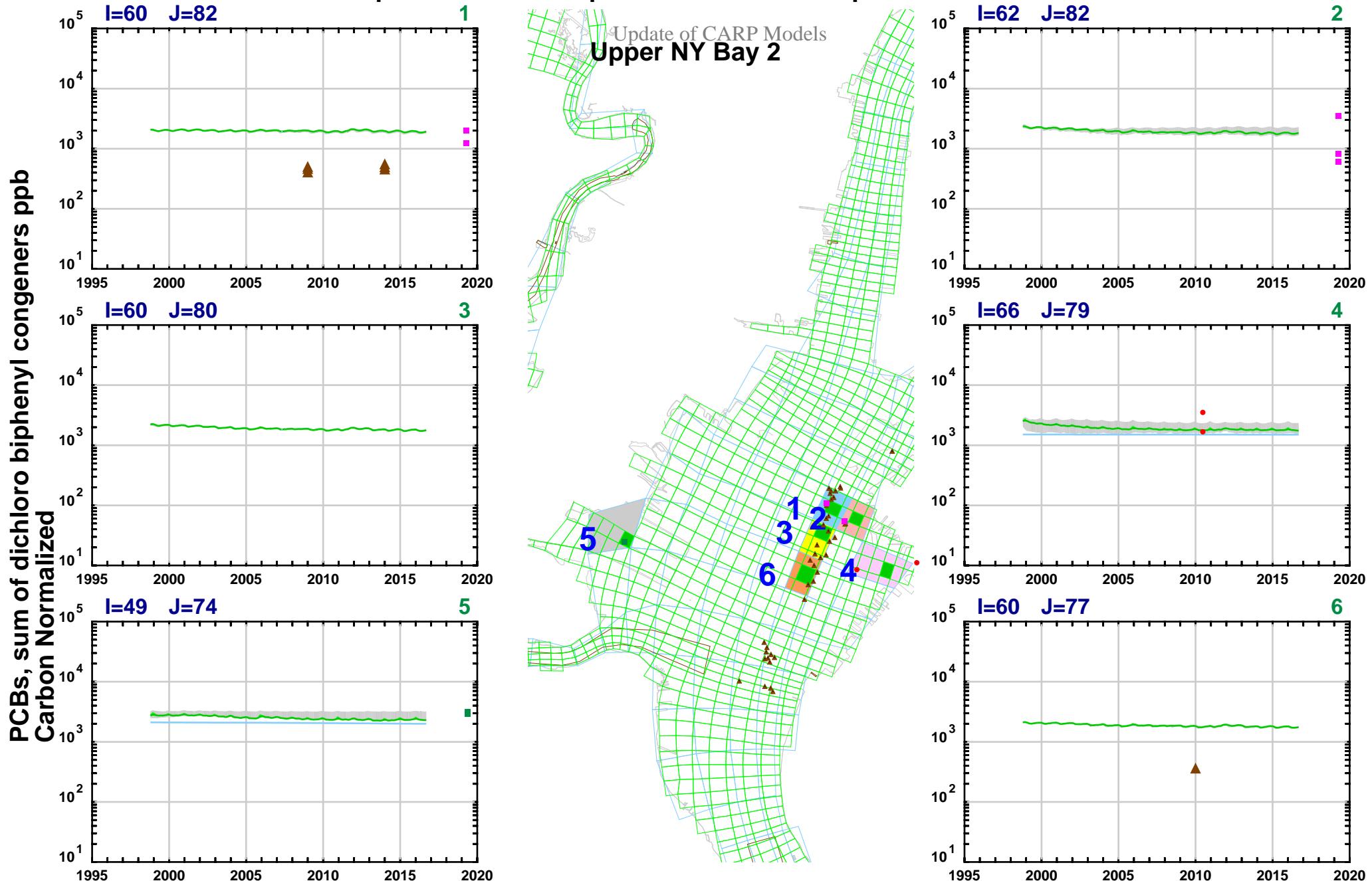
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



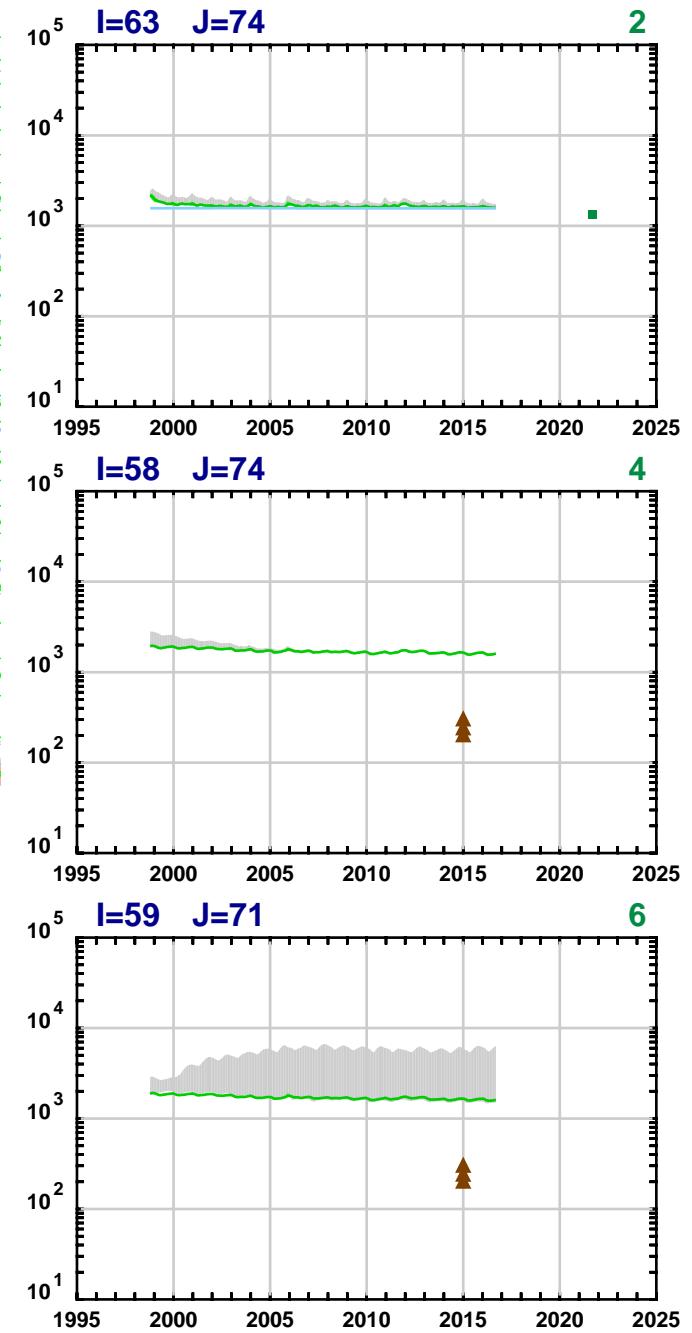
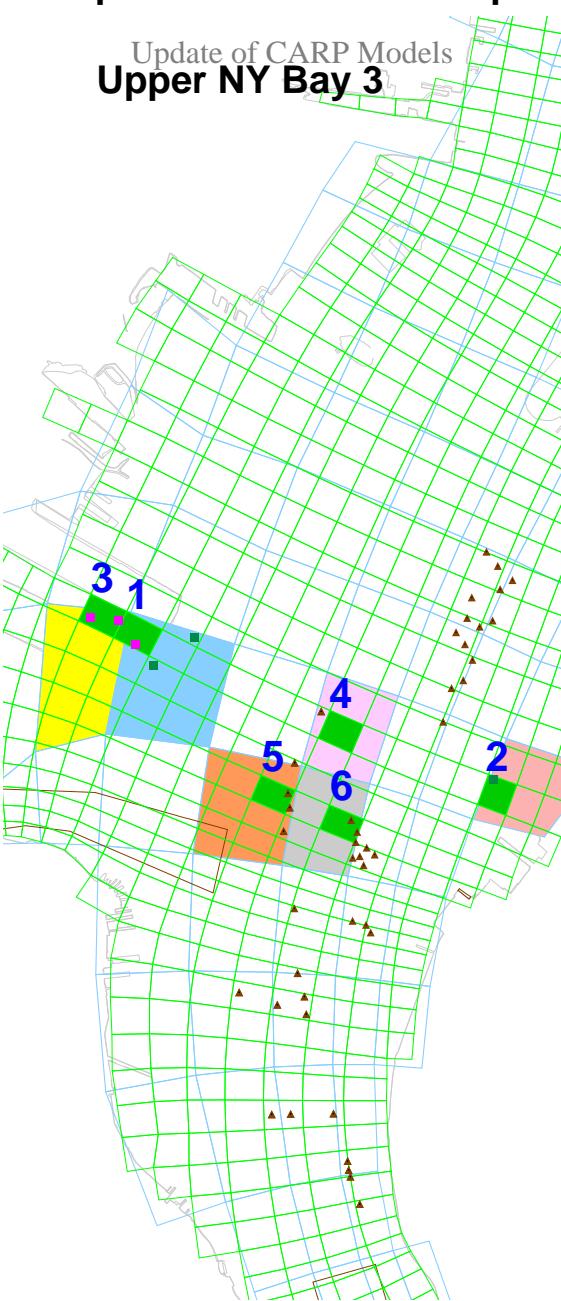
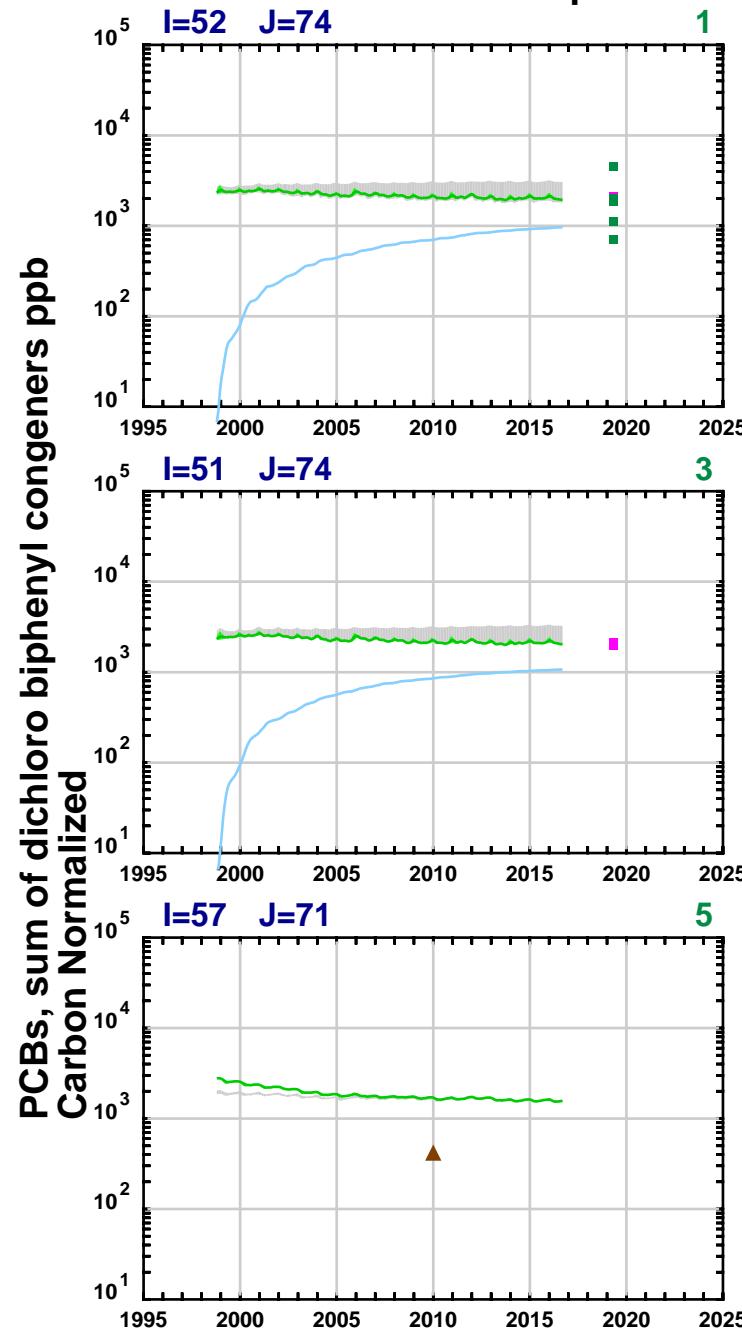
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



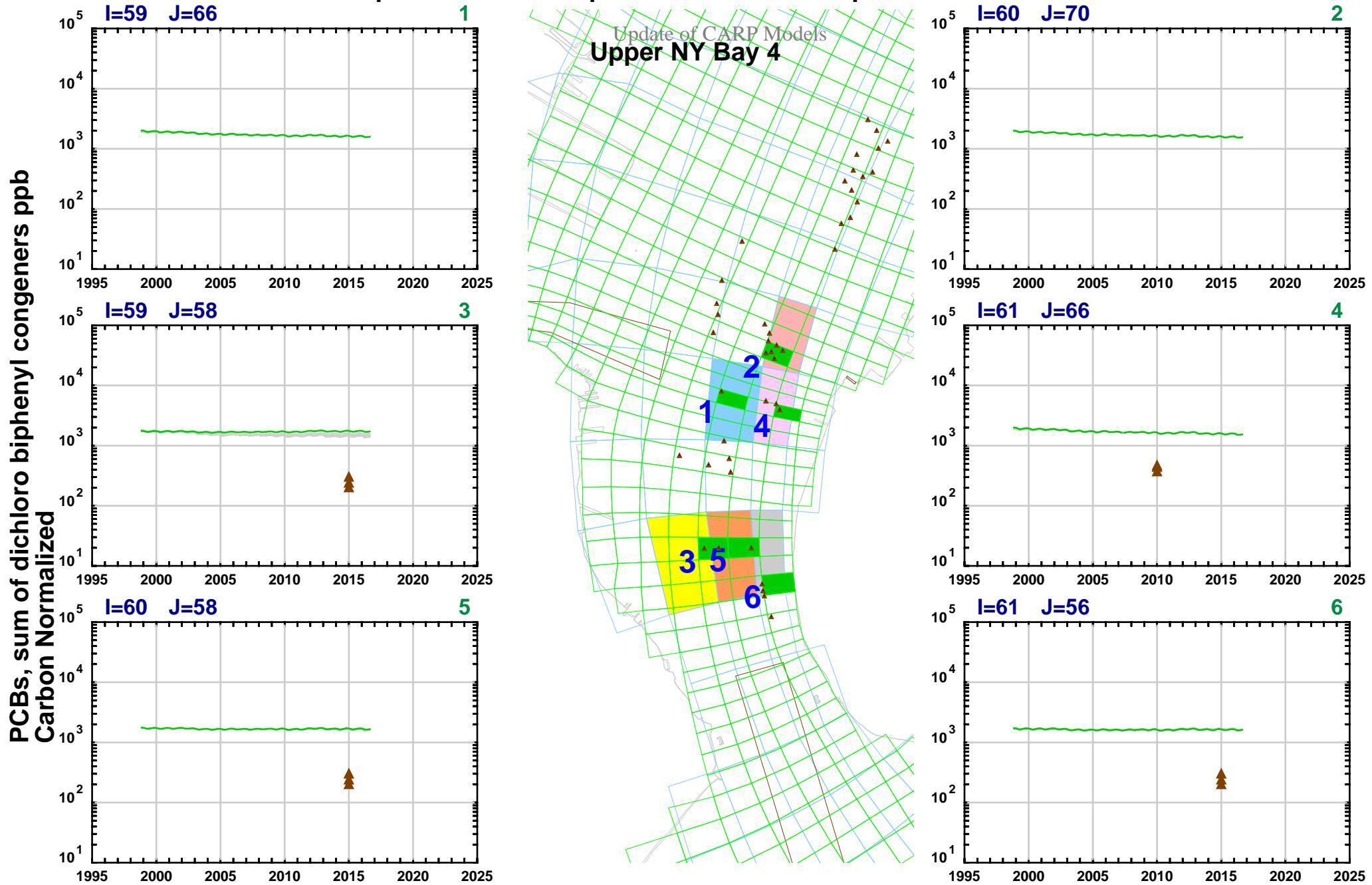
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

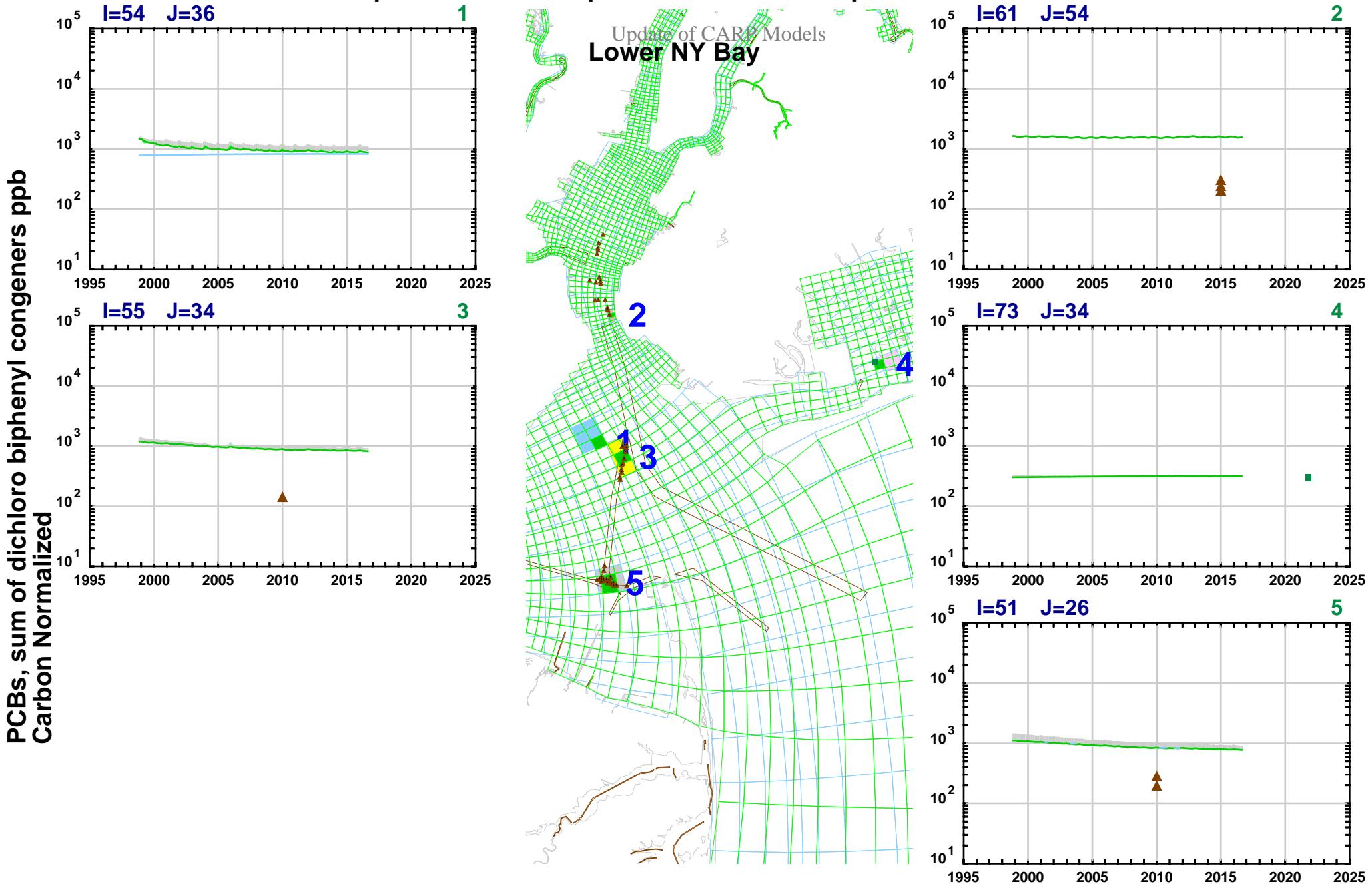


RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



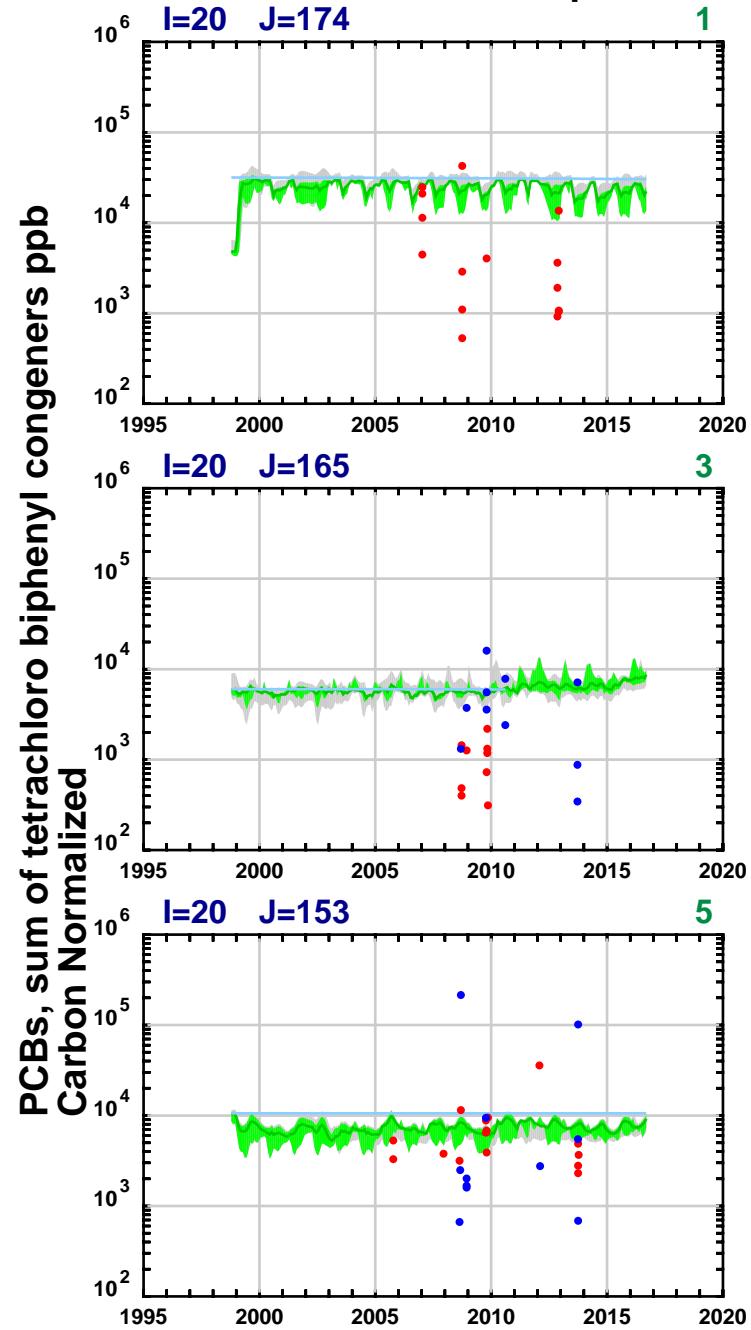
RUN18

Model: mean and range of values in top sediment

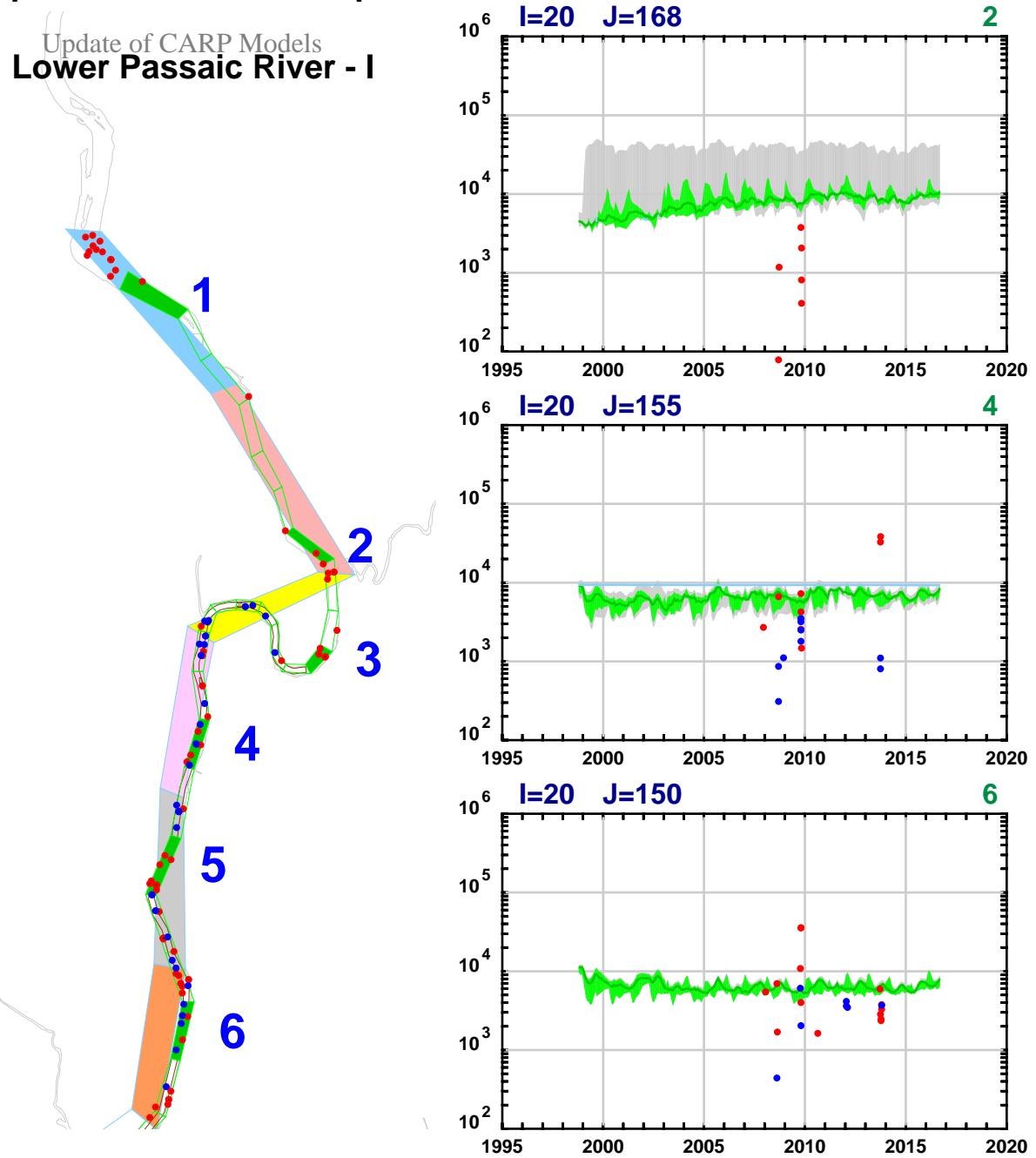
Model: mean and range of values in bottom sediment

Appendix 13 Page 161 of 225
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I



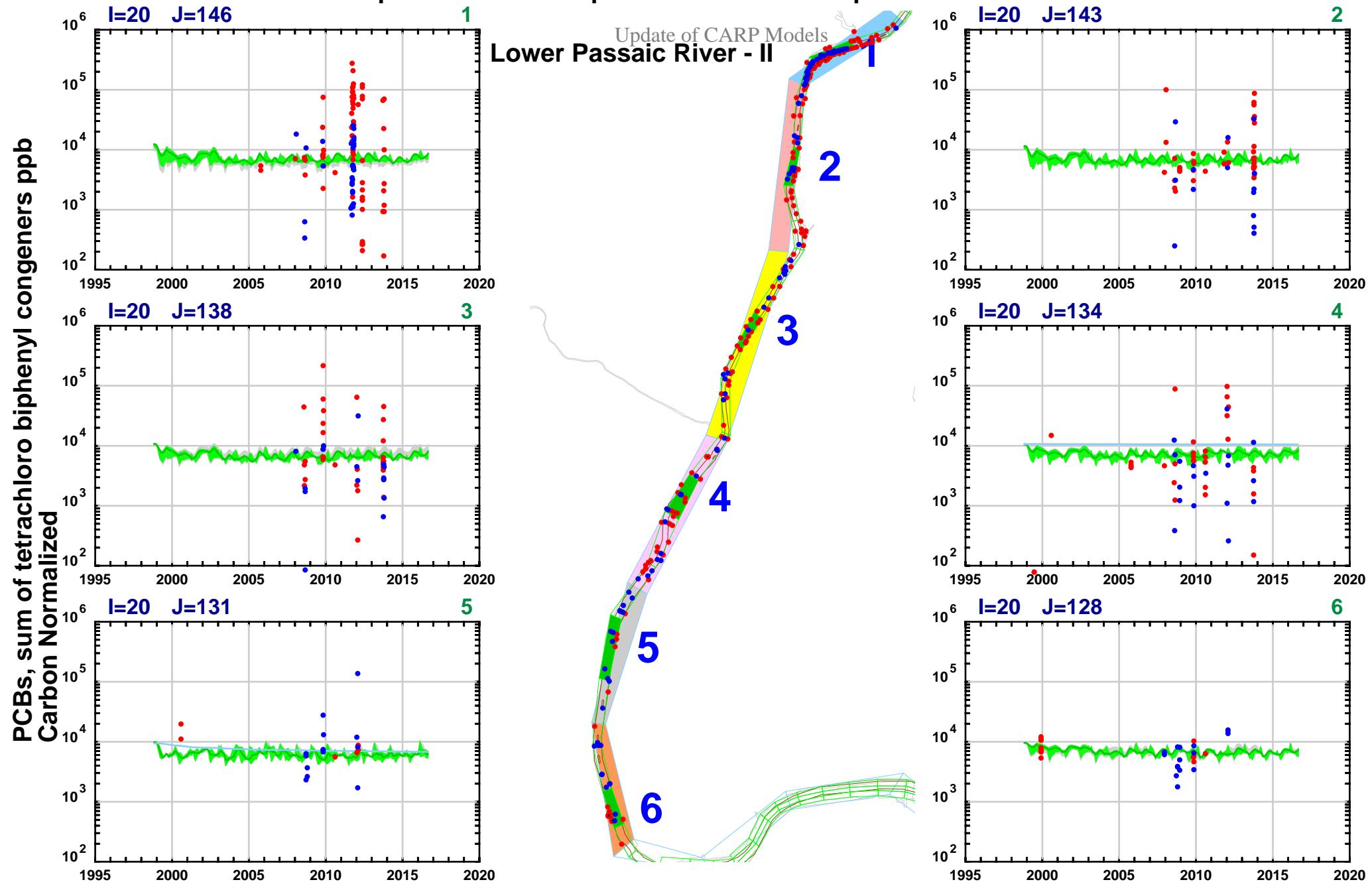
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

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- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



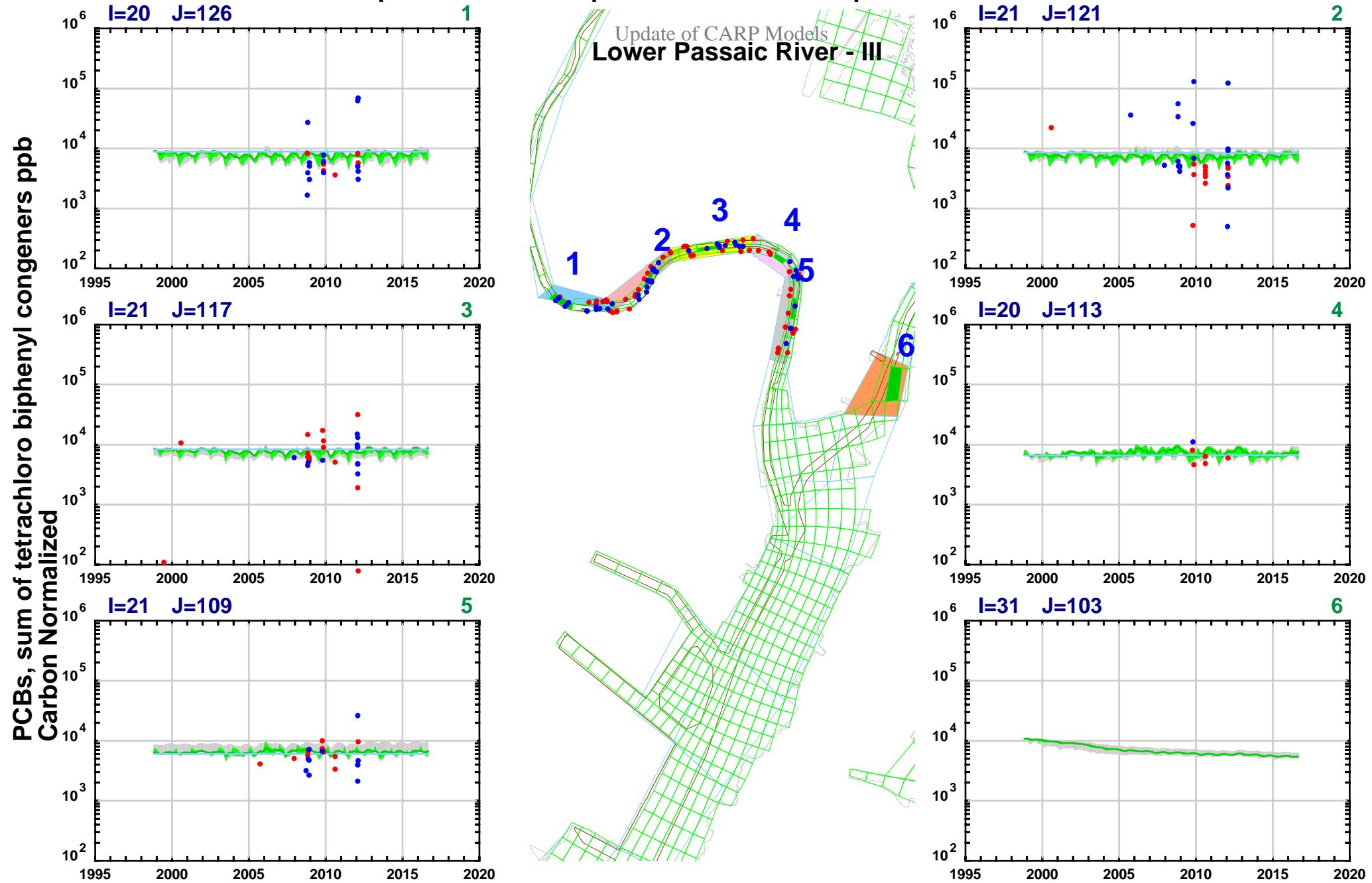
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



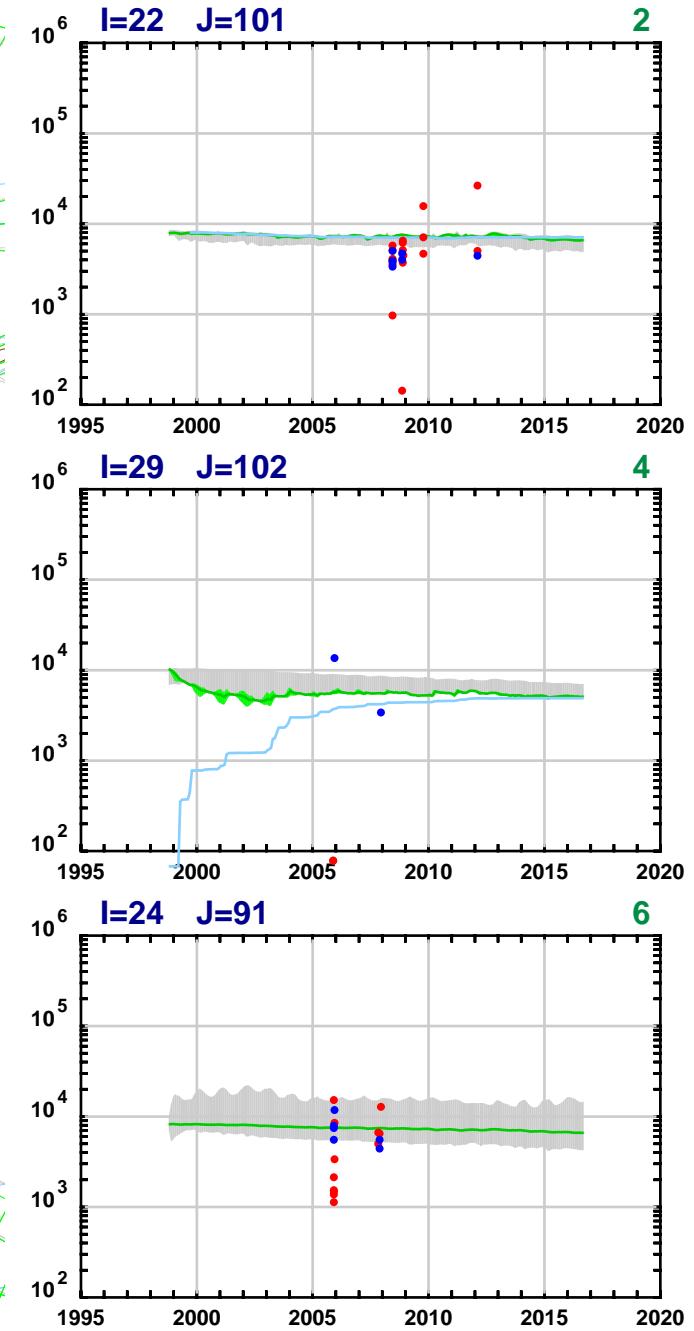
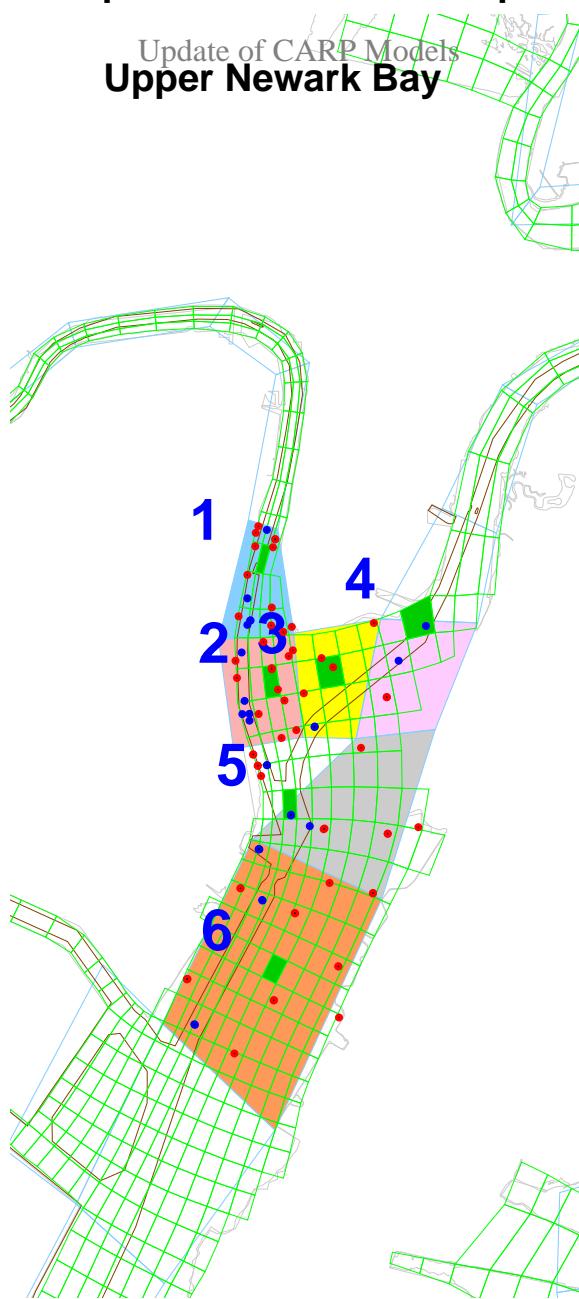
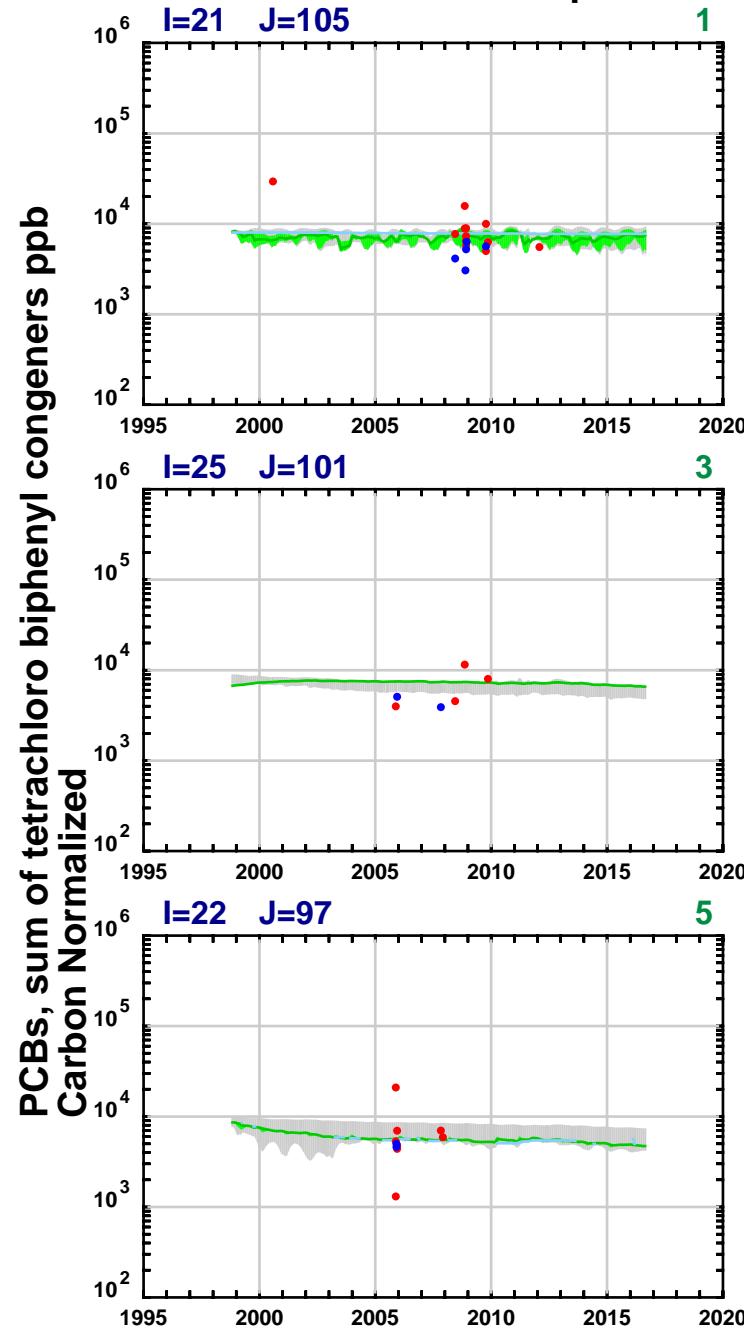
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

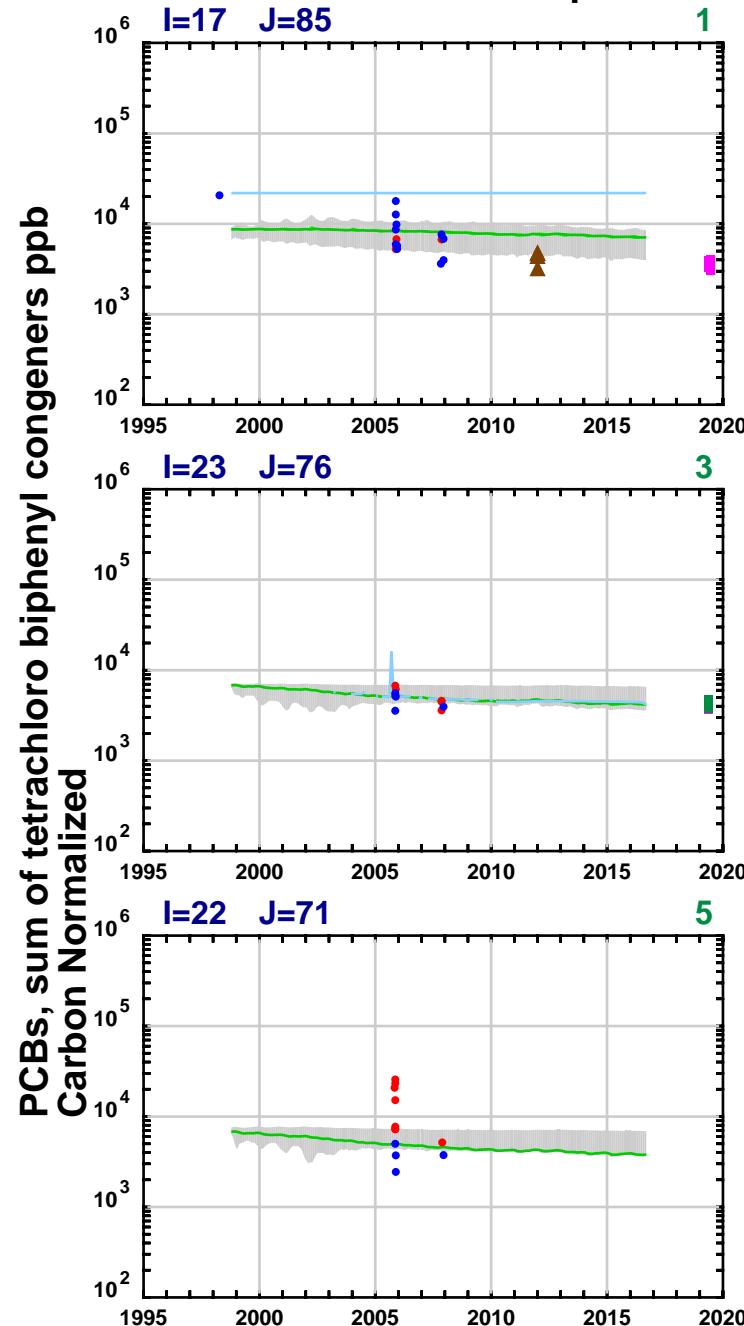


RUN18

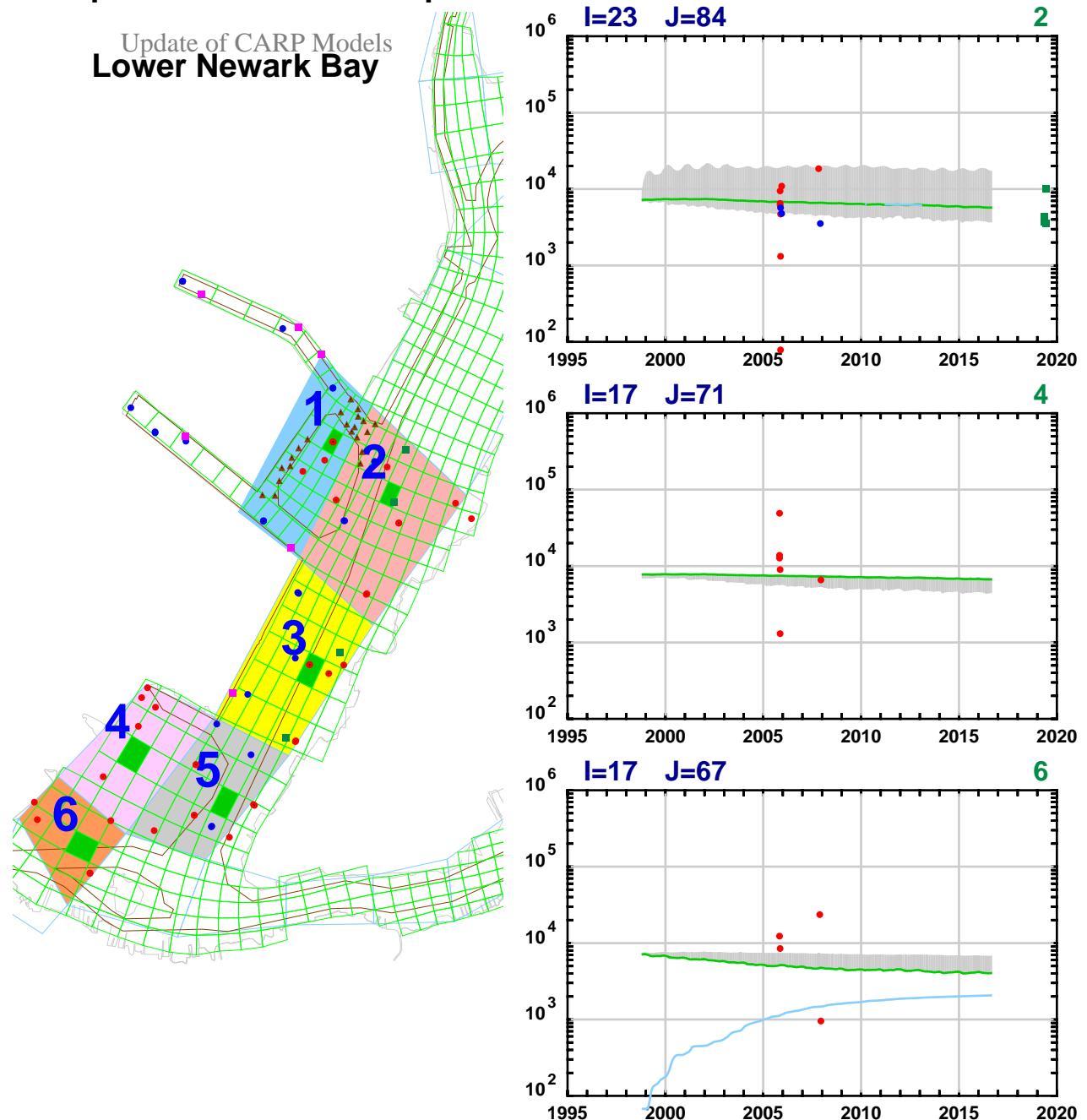
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay



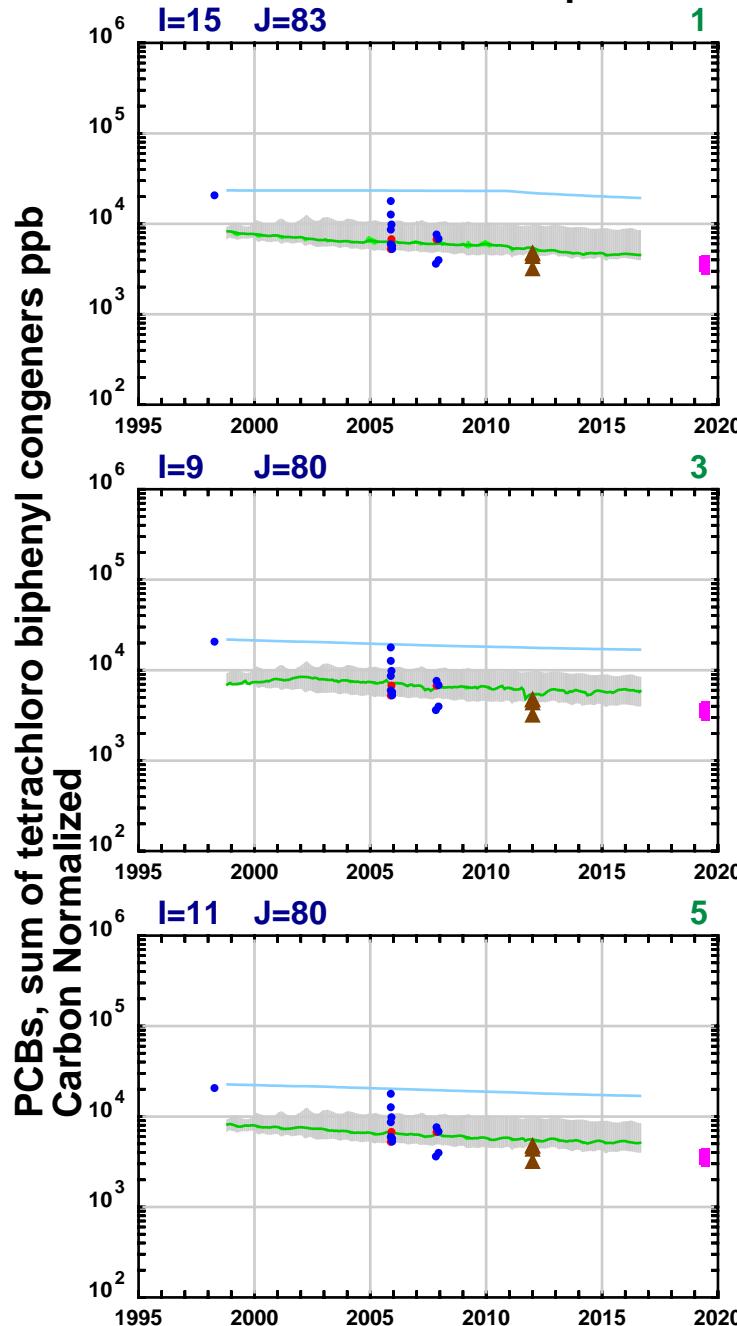
RUN18

Model: mean and range of values in top sediment

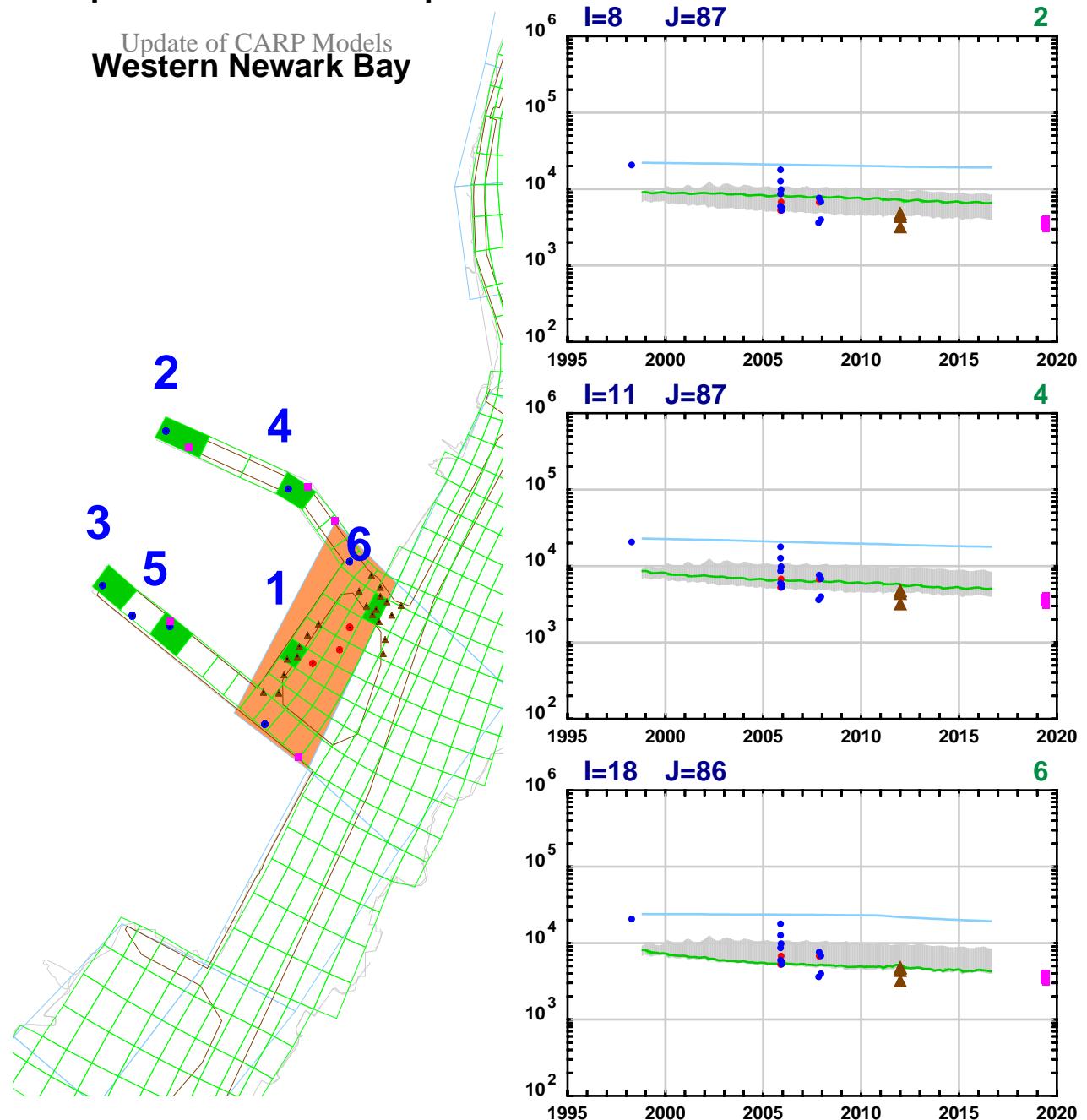
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay



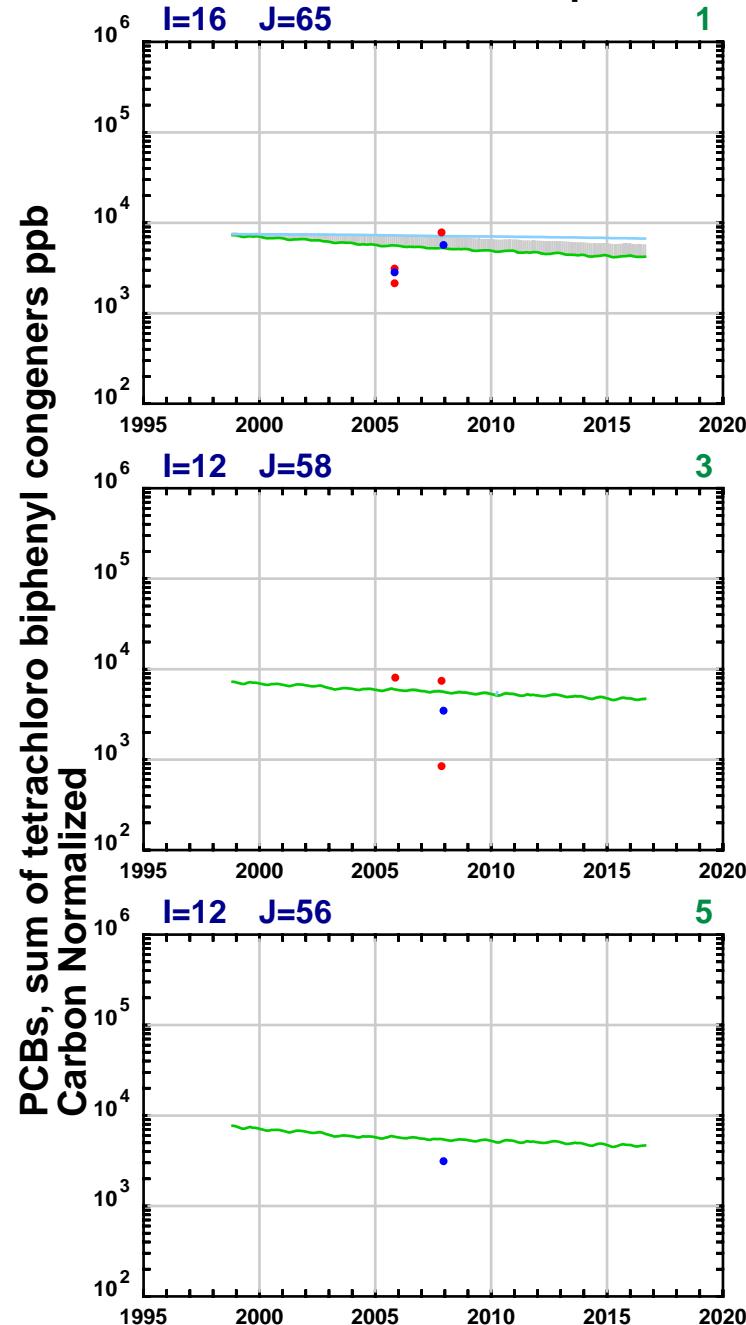
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

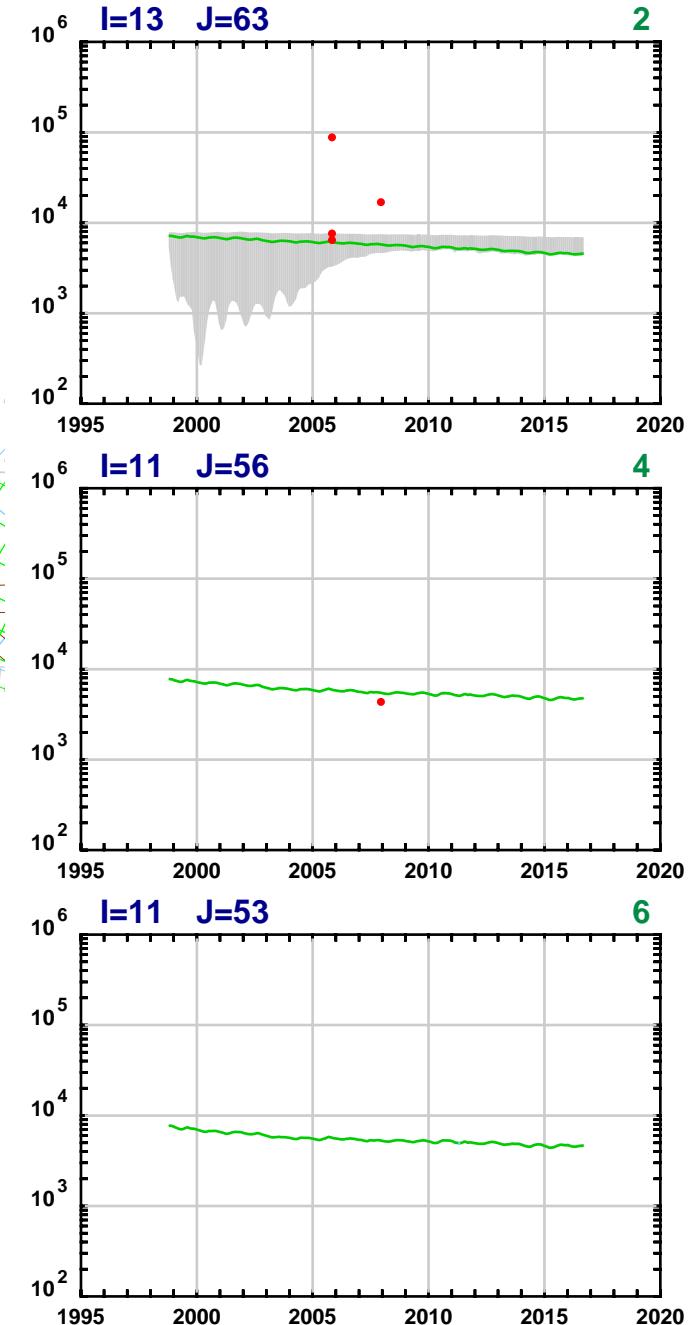
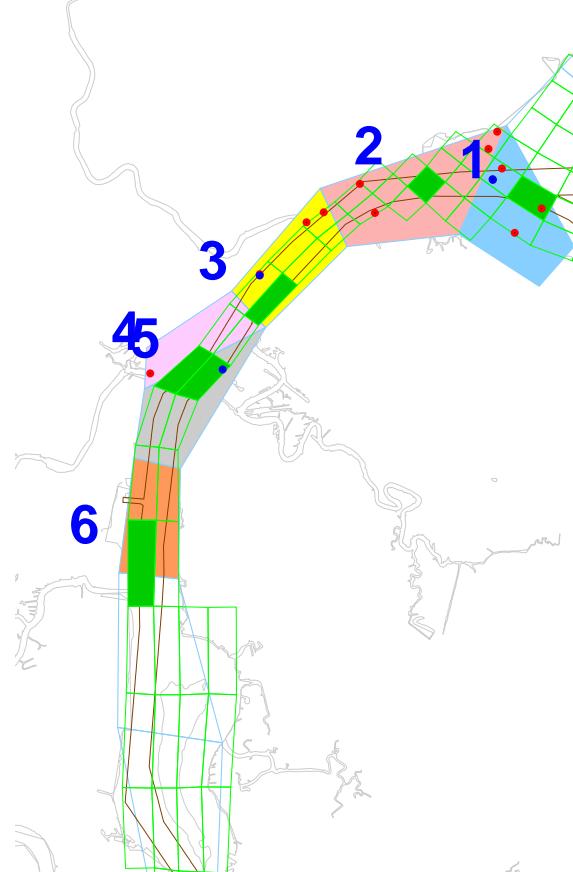
Appendix 13 Page 167 of 225

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1



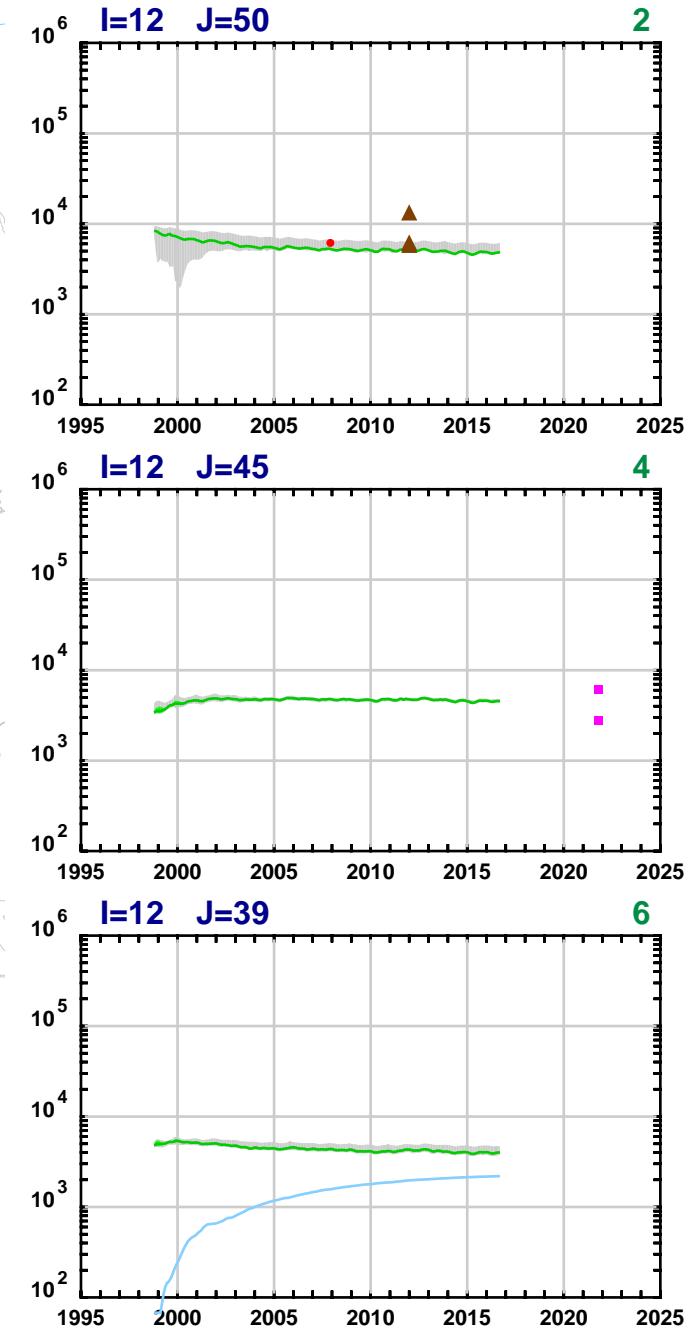
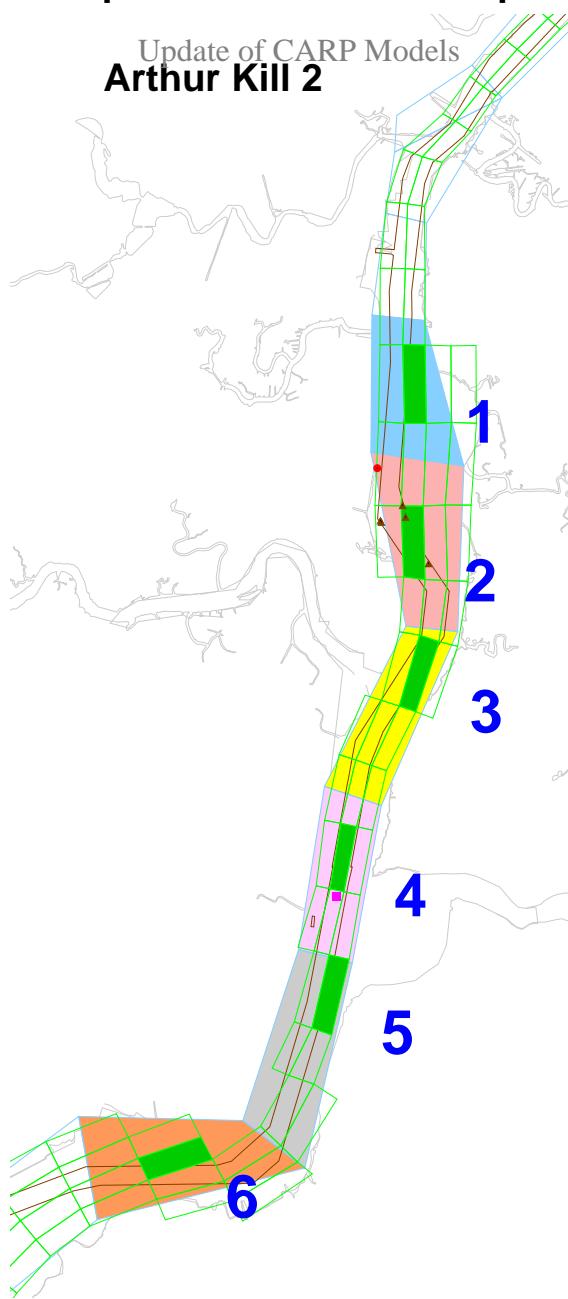
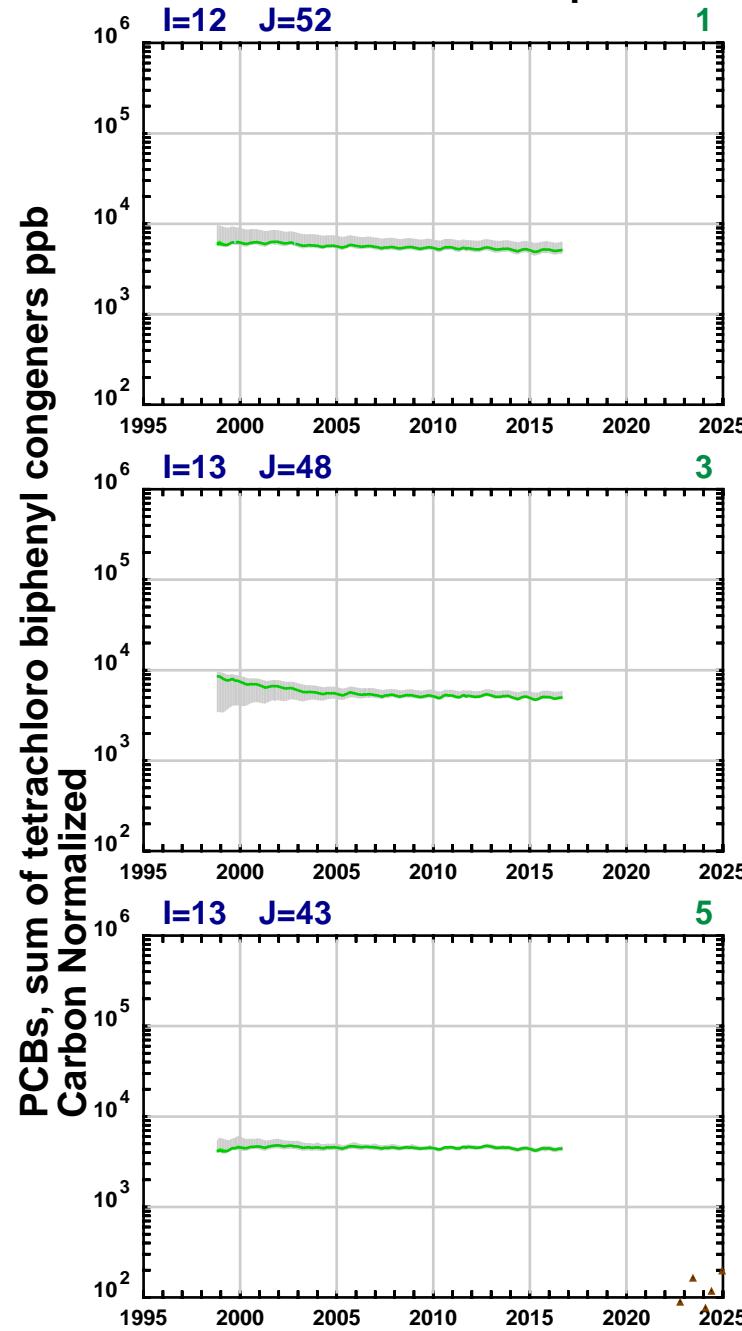
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

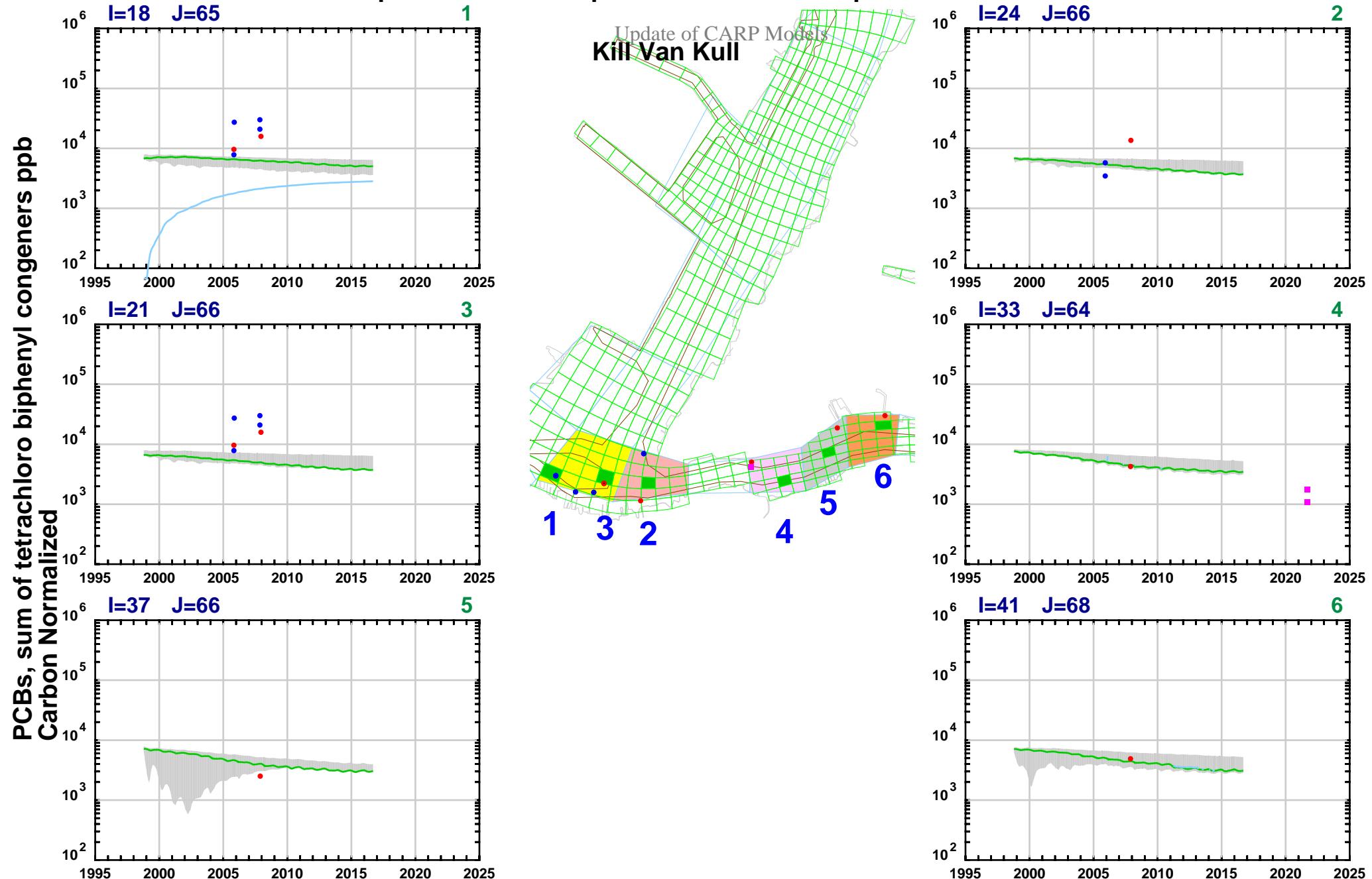


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

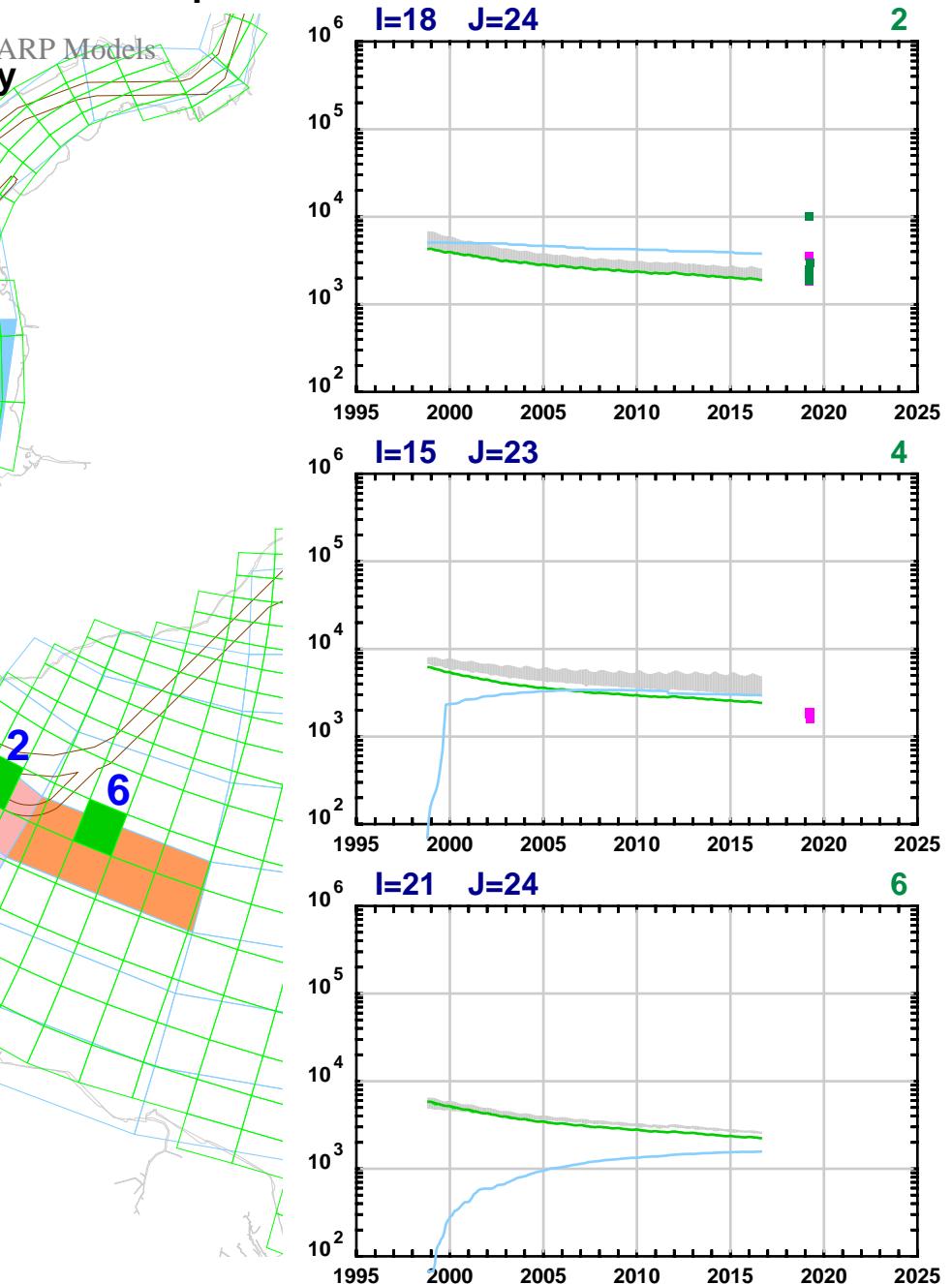
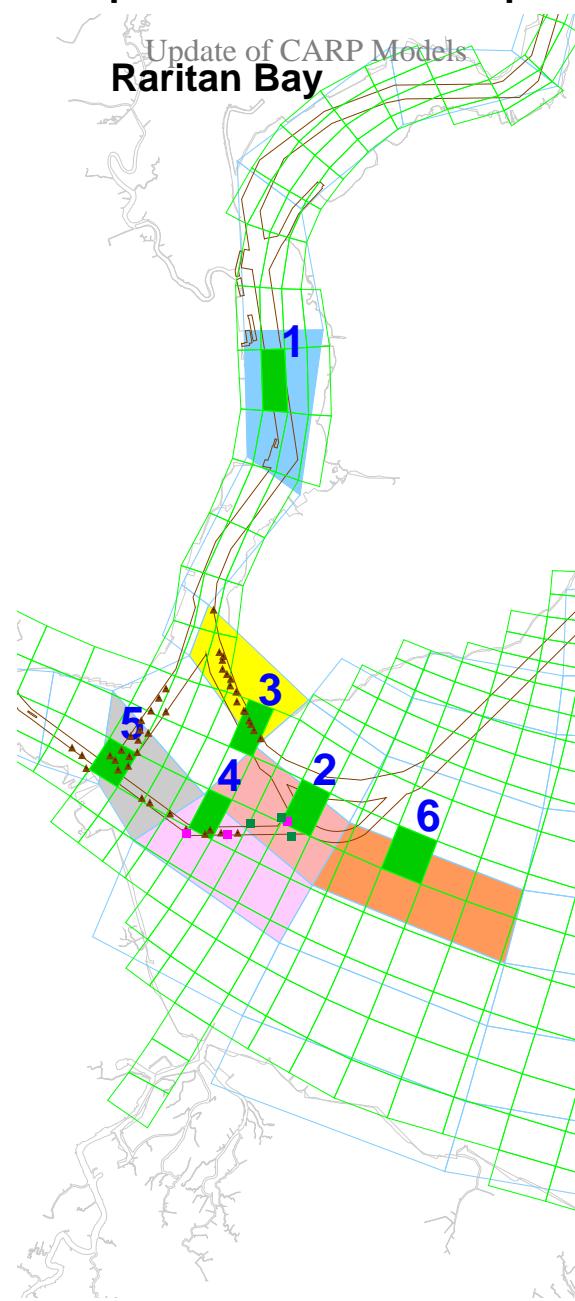
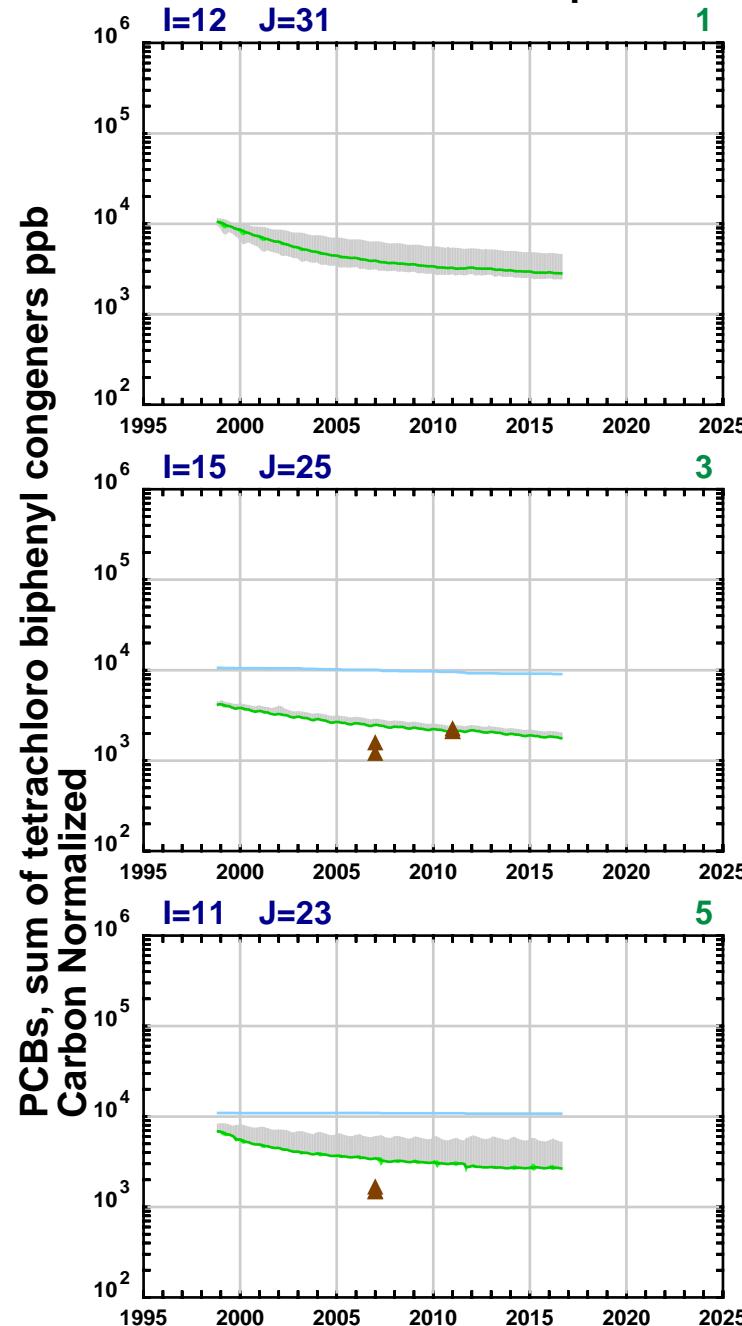
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 13 Page 170 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

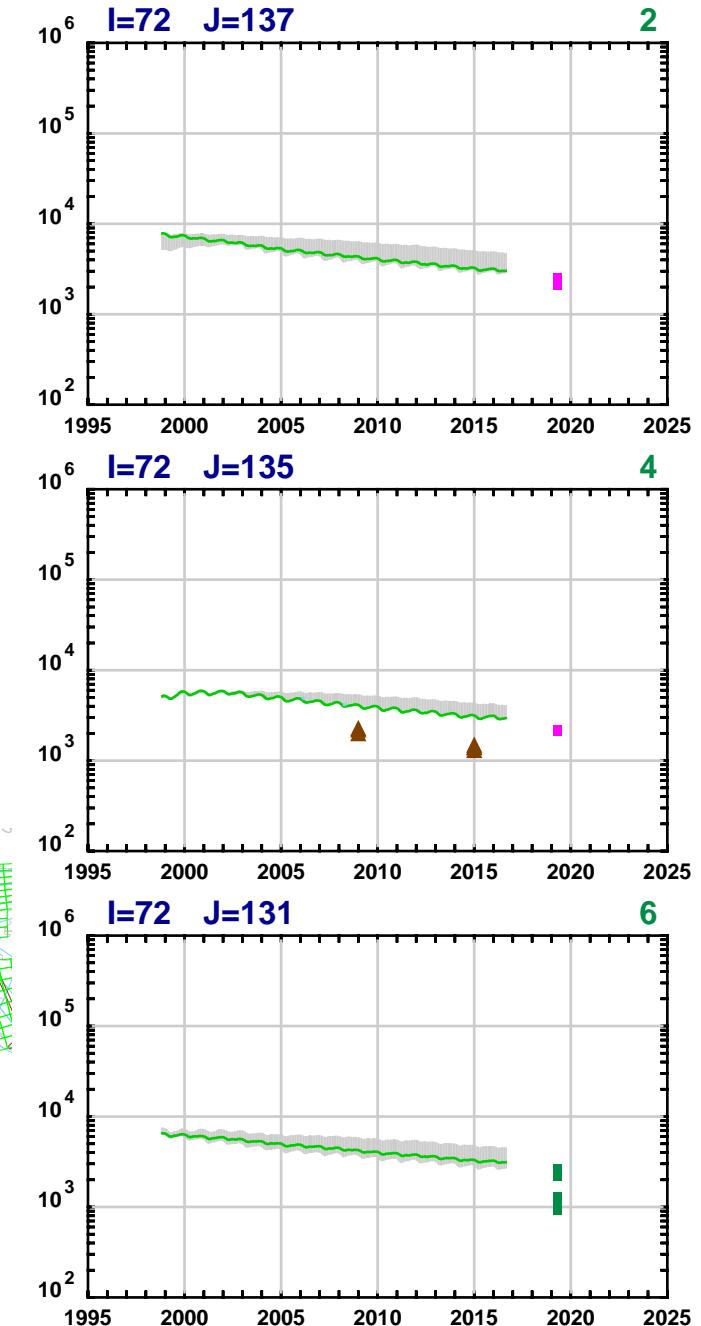
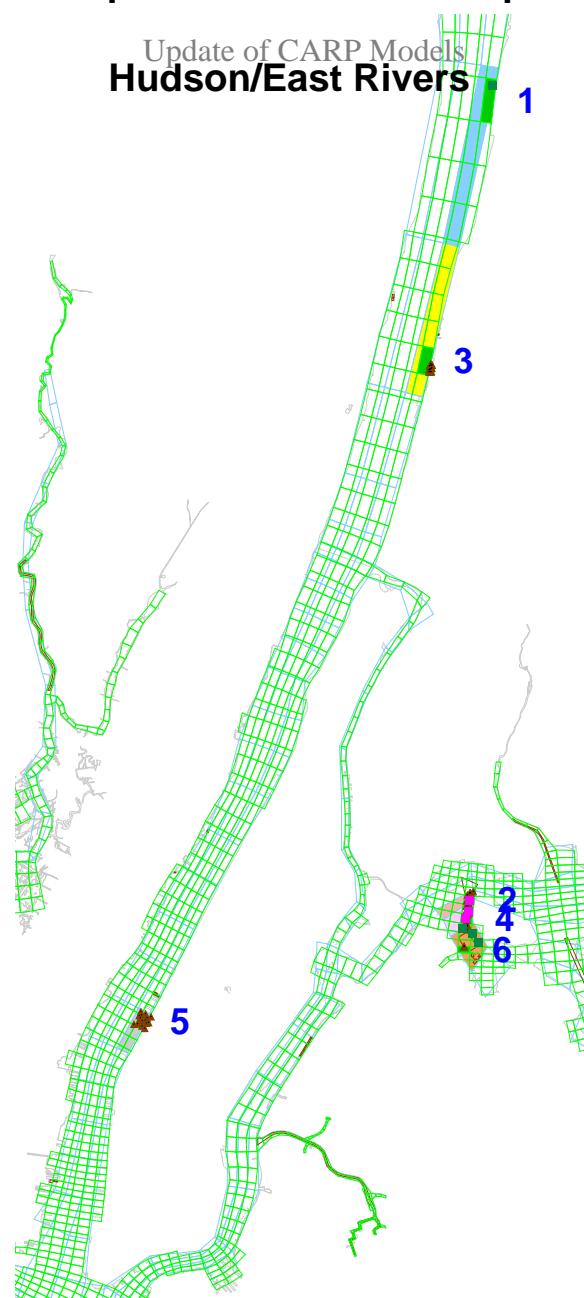
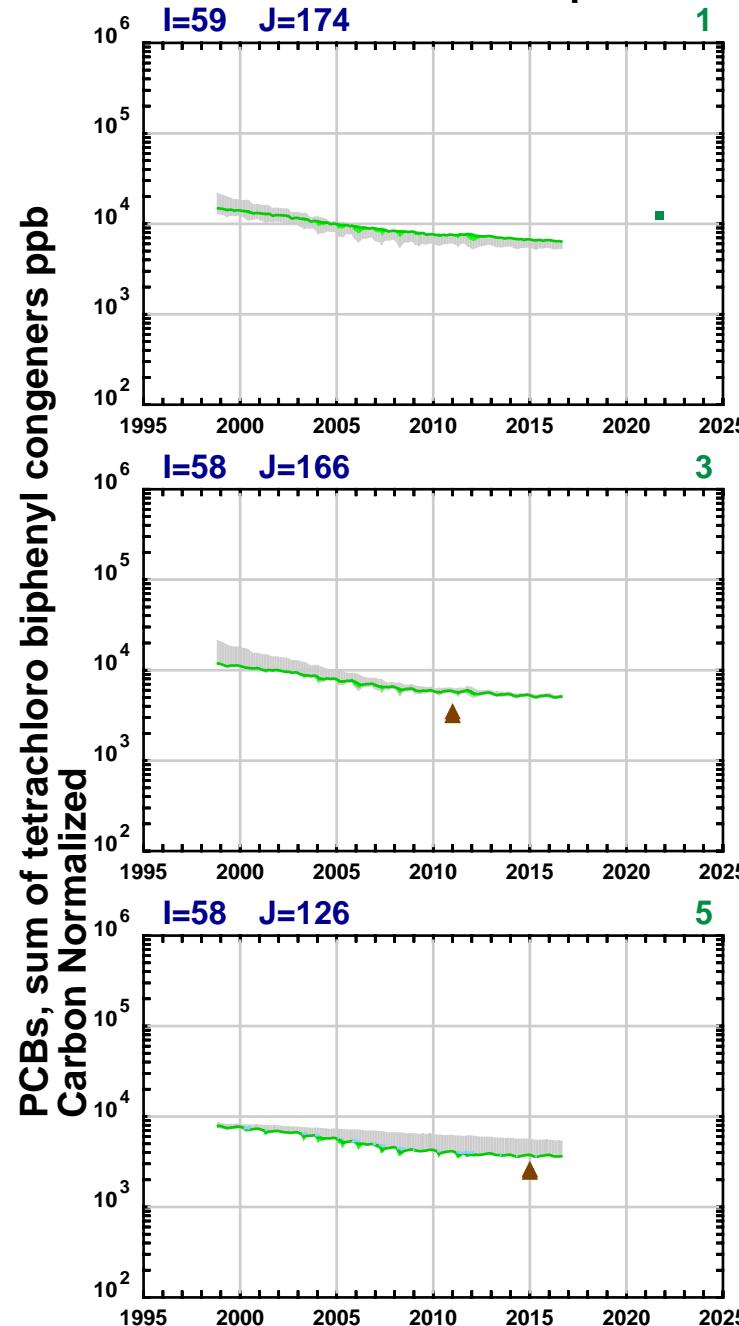
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 13 Page 171 of 225

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



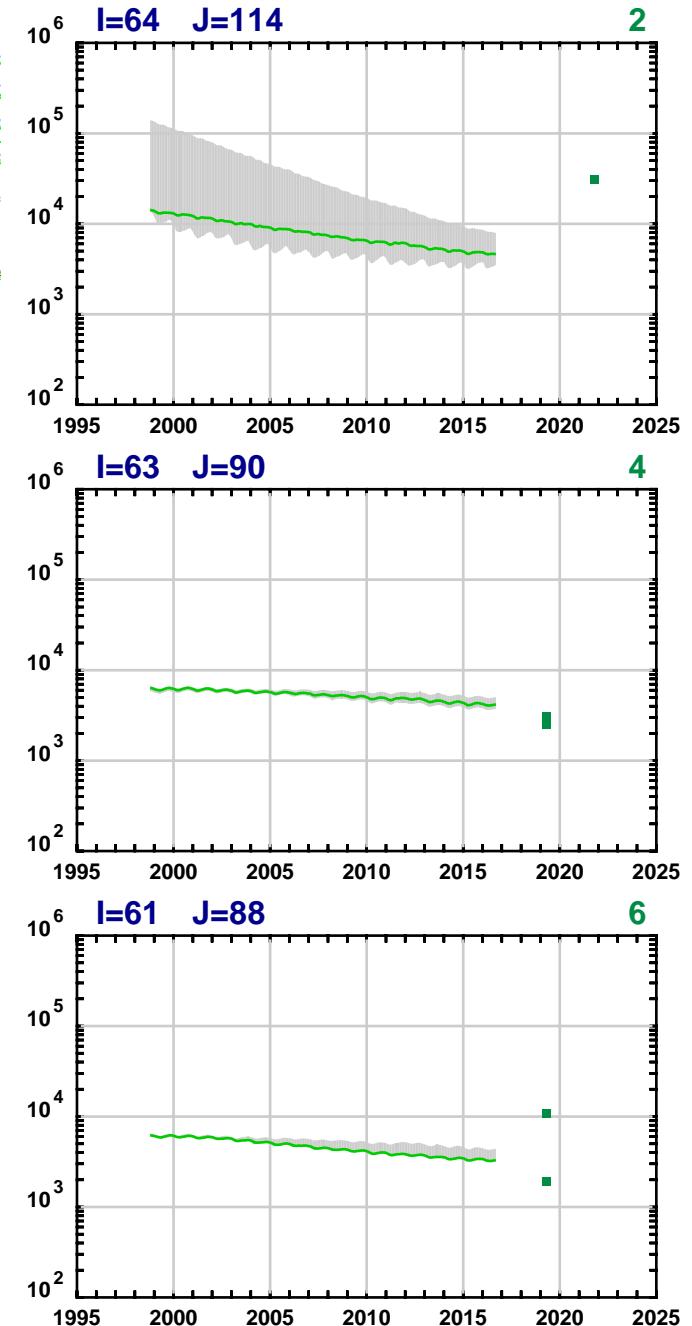
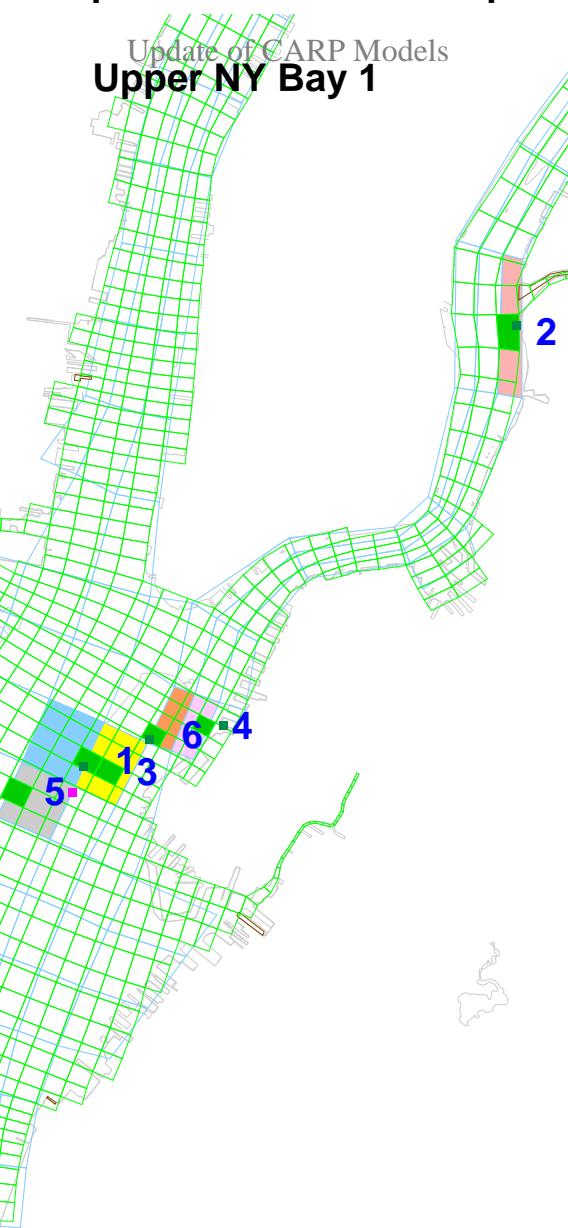
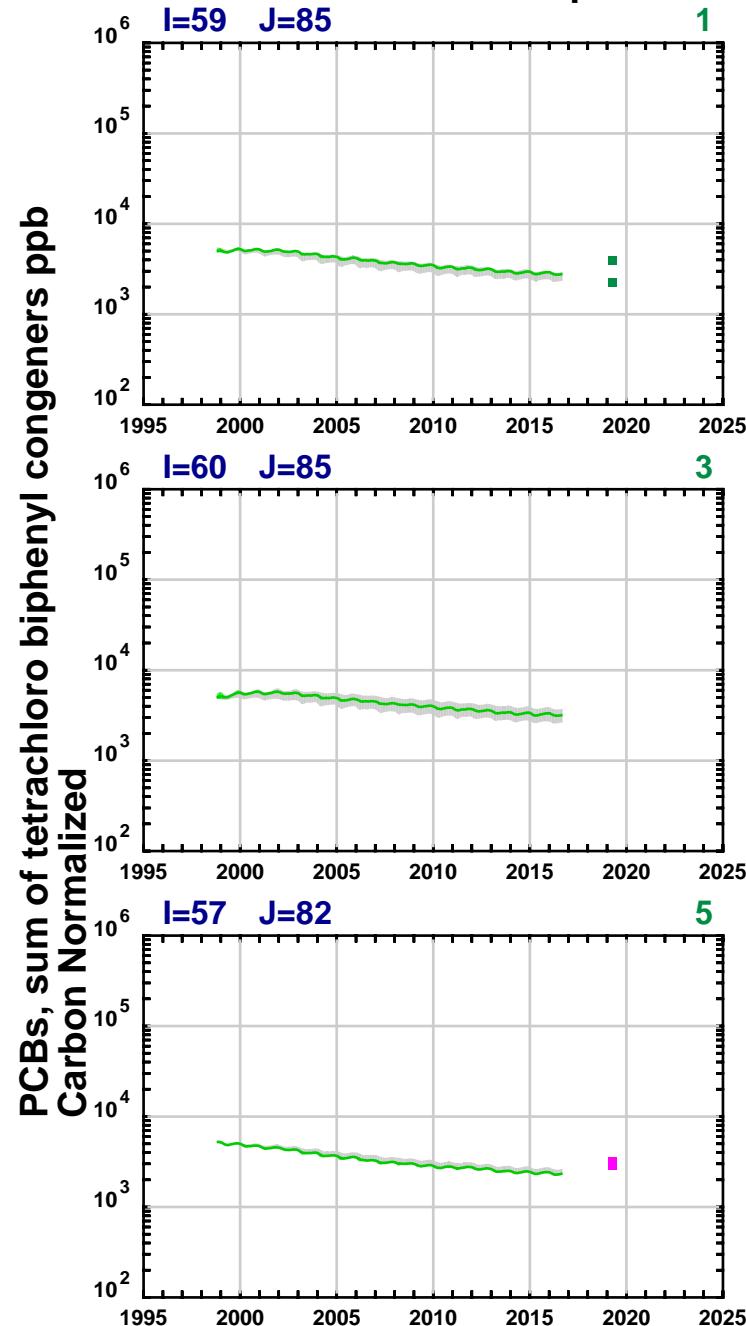
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

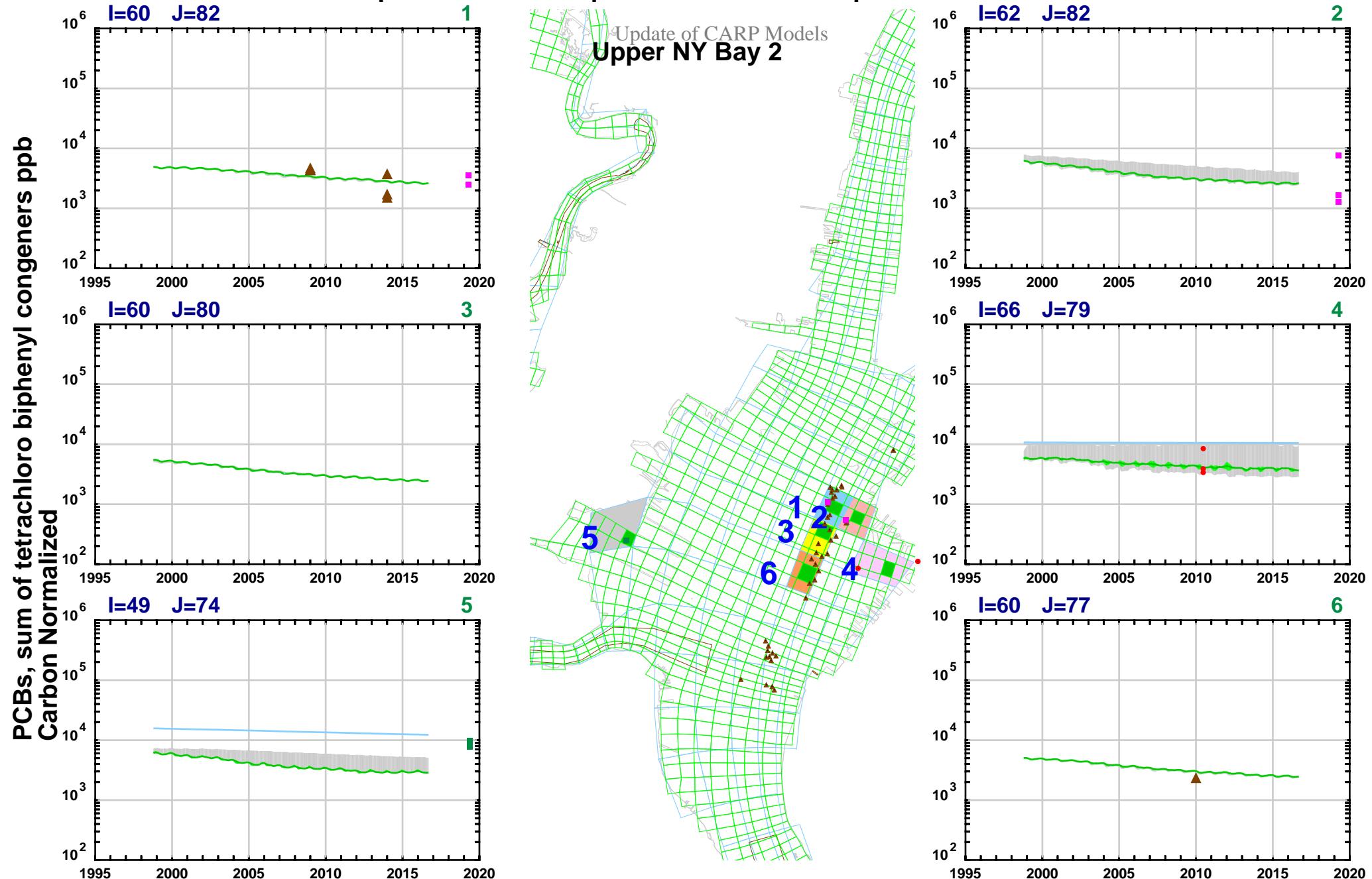


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



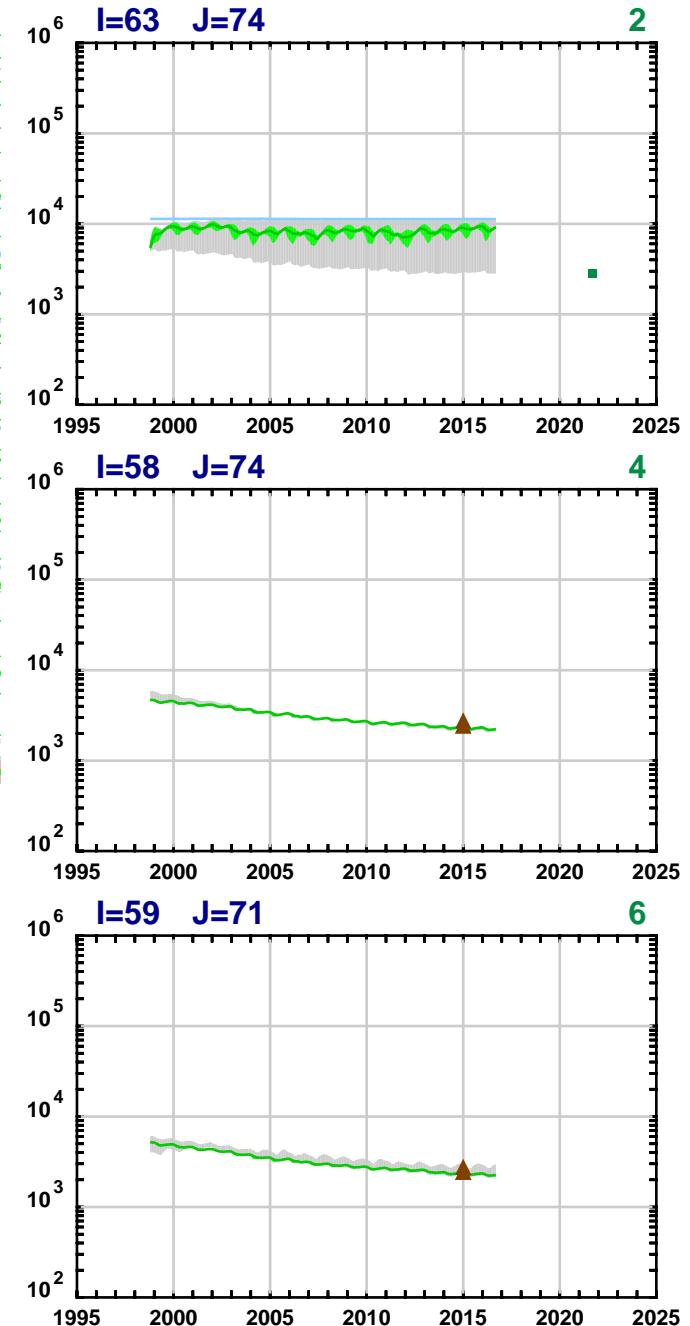
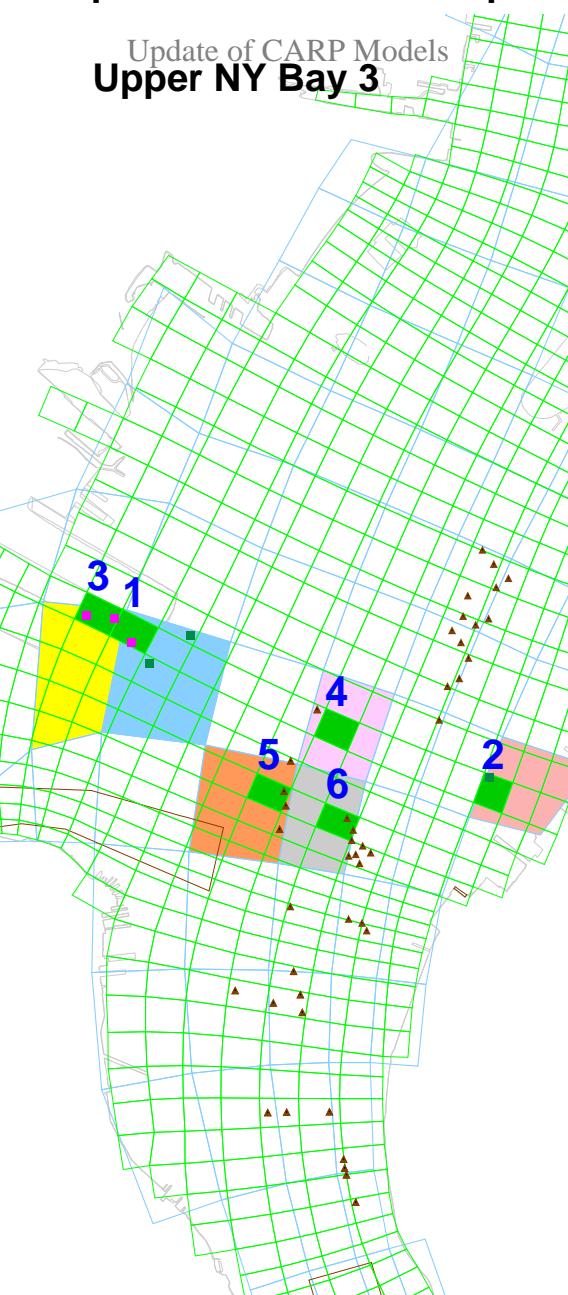
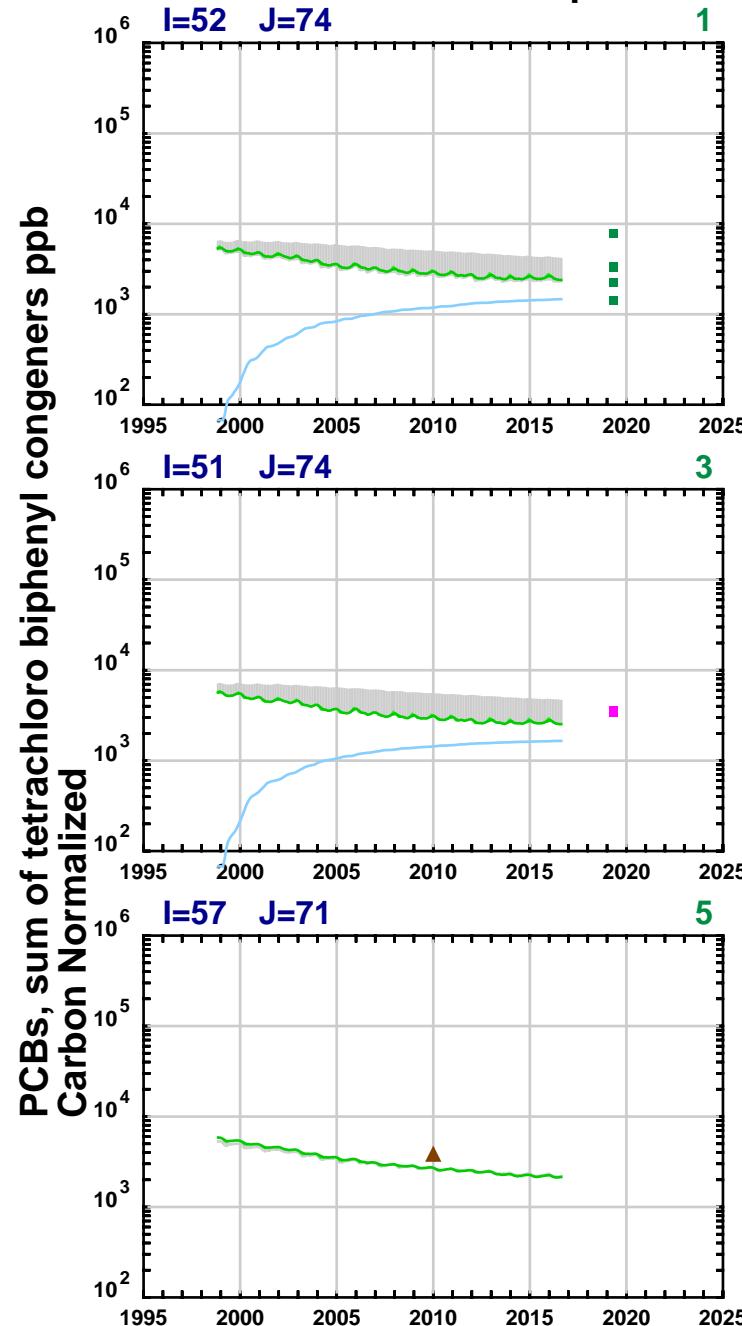
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



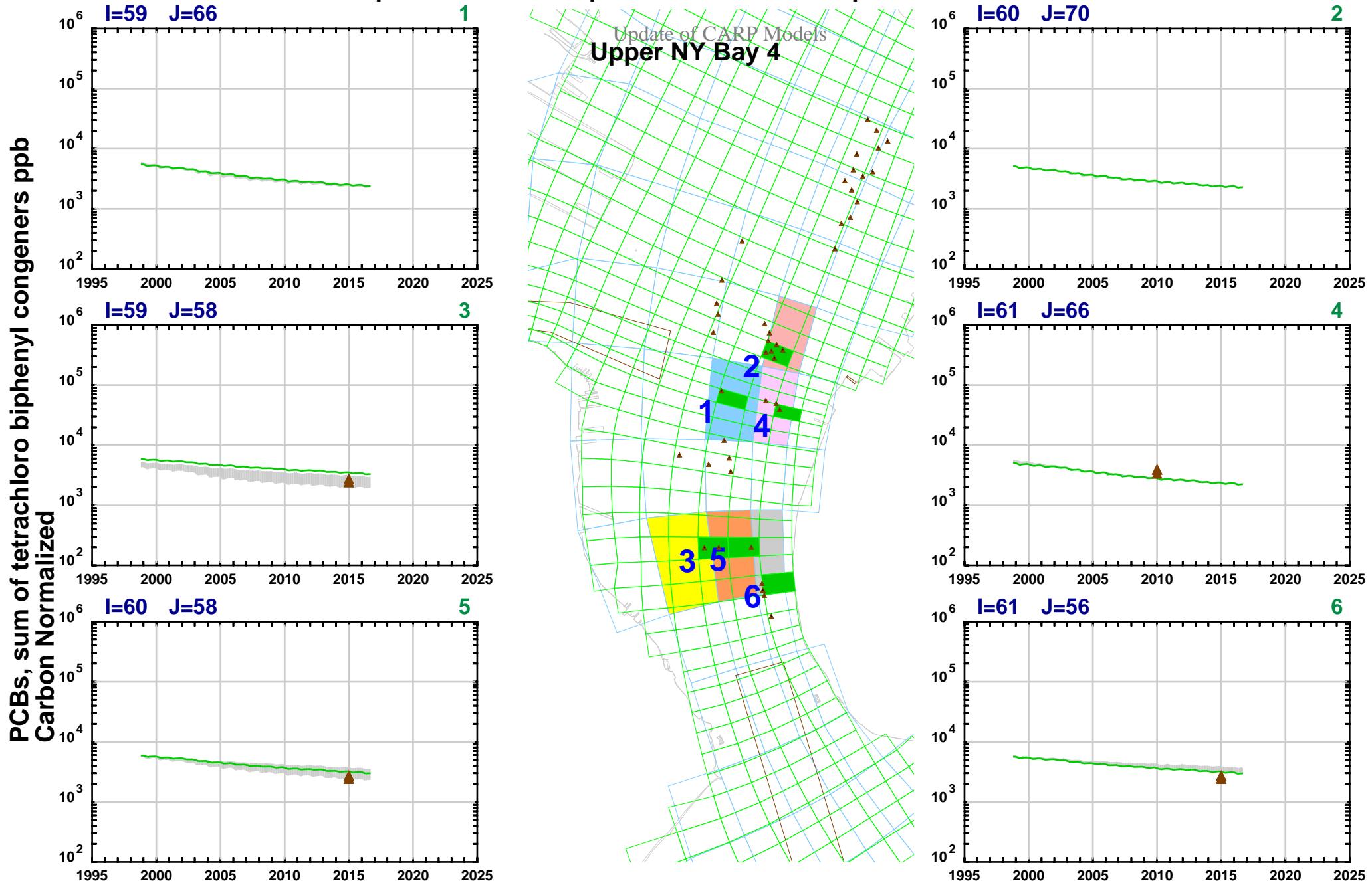
RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

Appendix 13 Page 175 of 225

- In-channel data
- Off-channel data
- Dredge data
- CARP2 In-channel
- CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

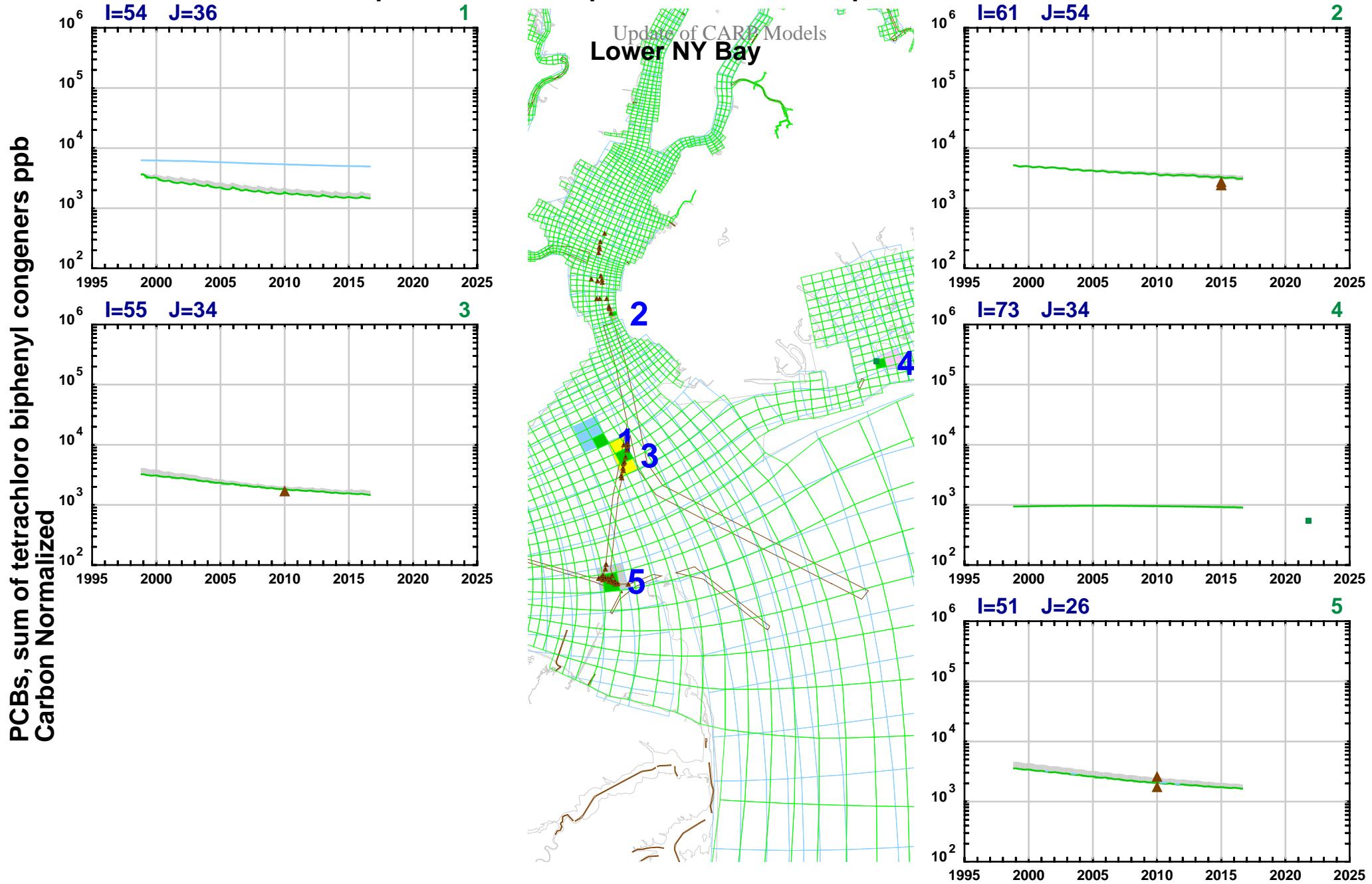


RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



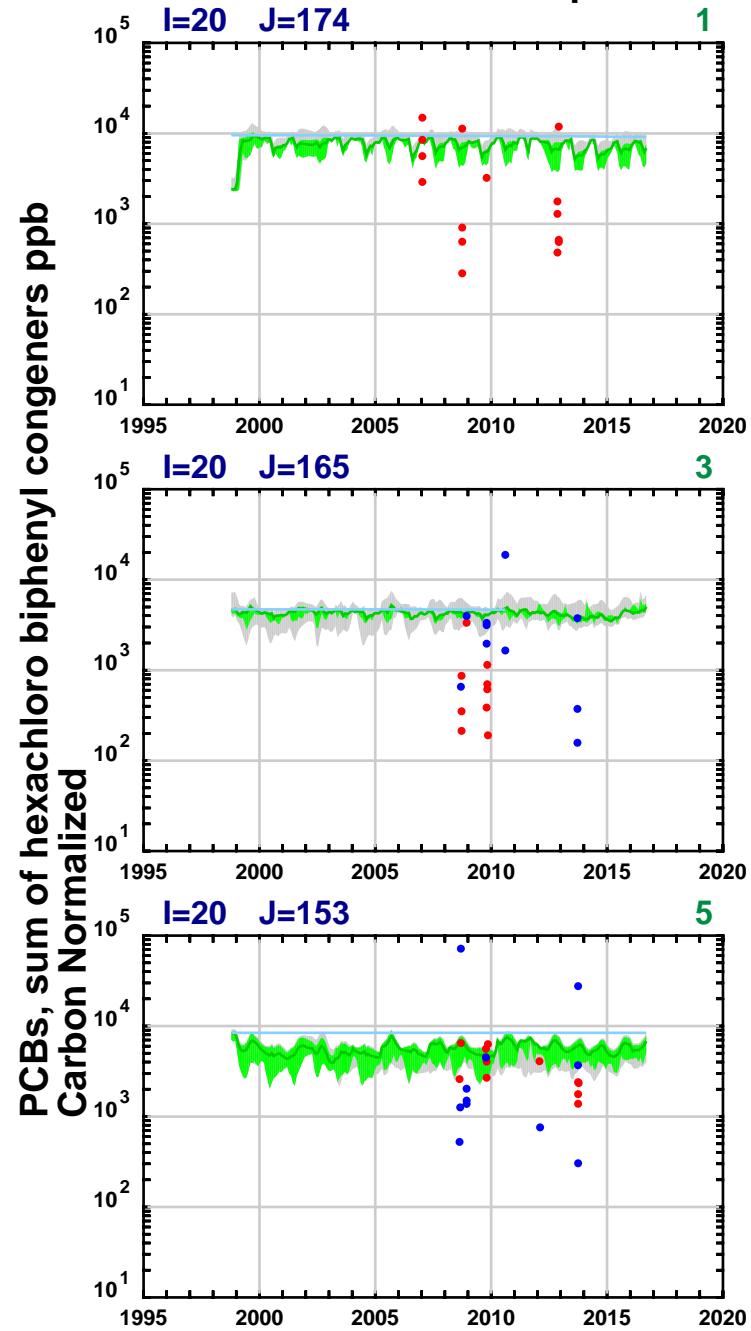
RUN18

Model: mean and range of values in top sediment

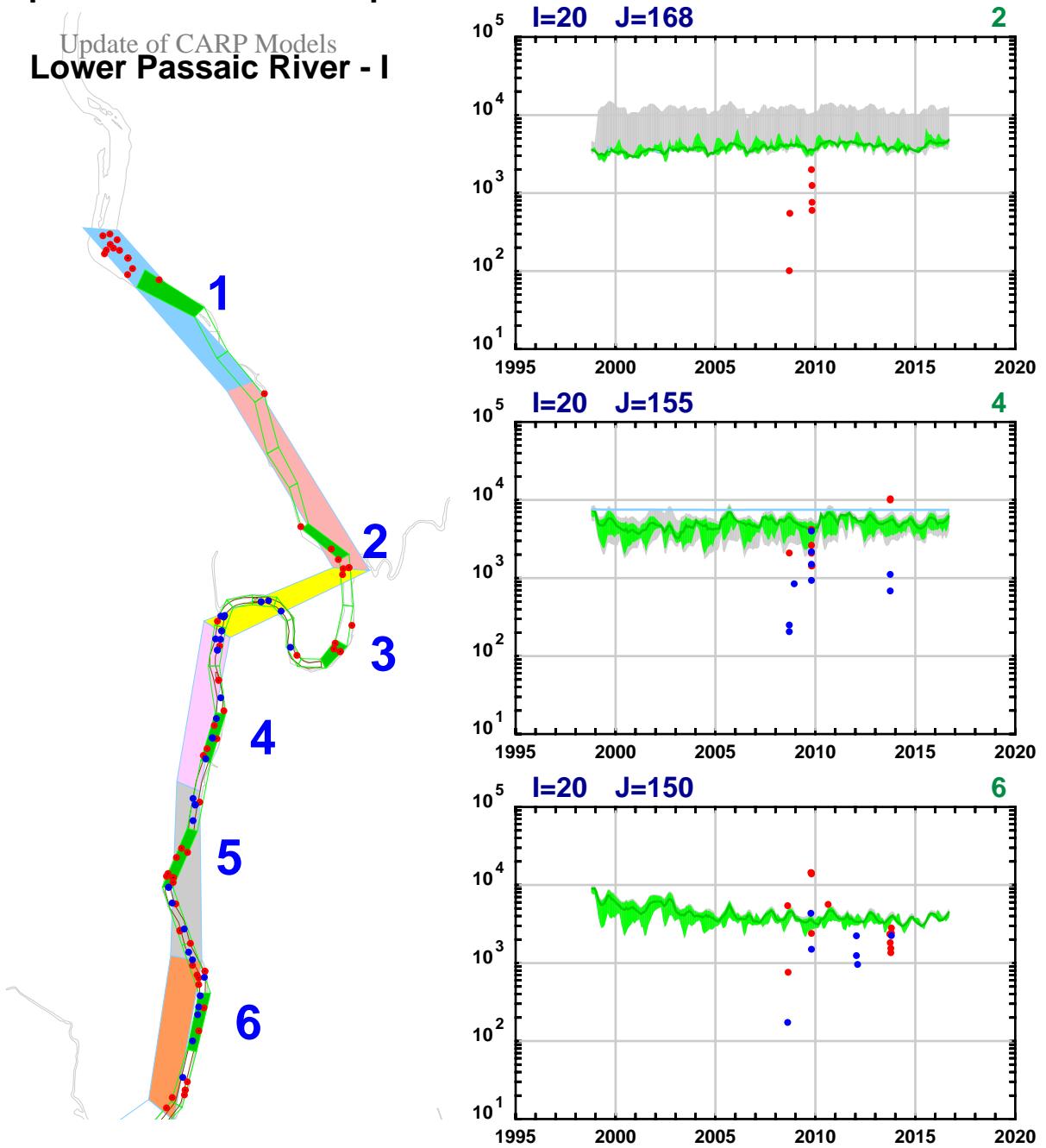
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I



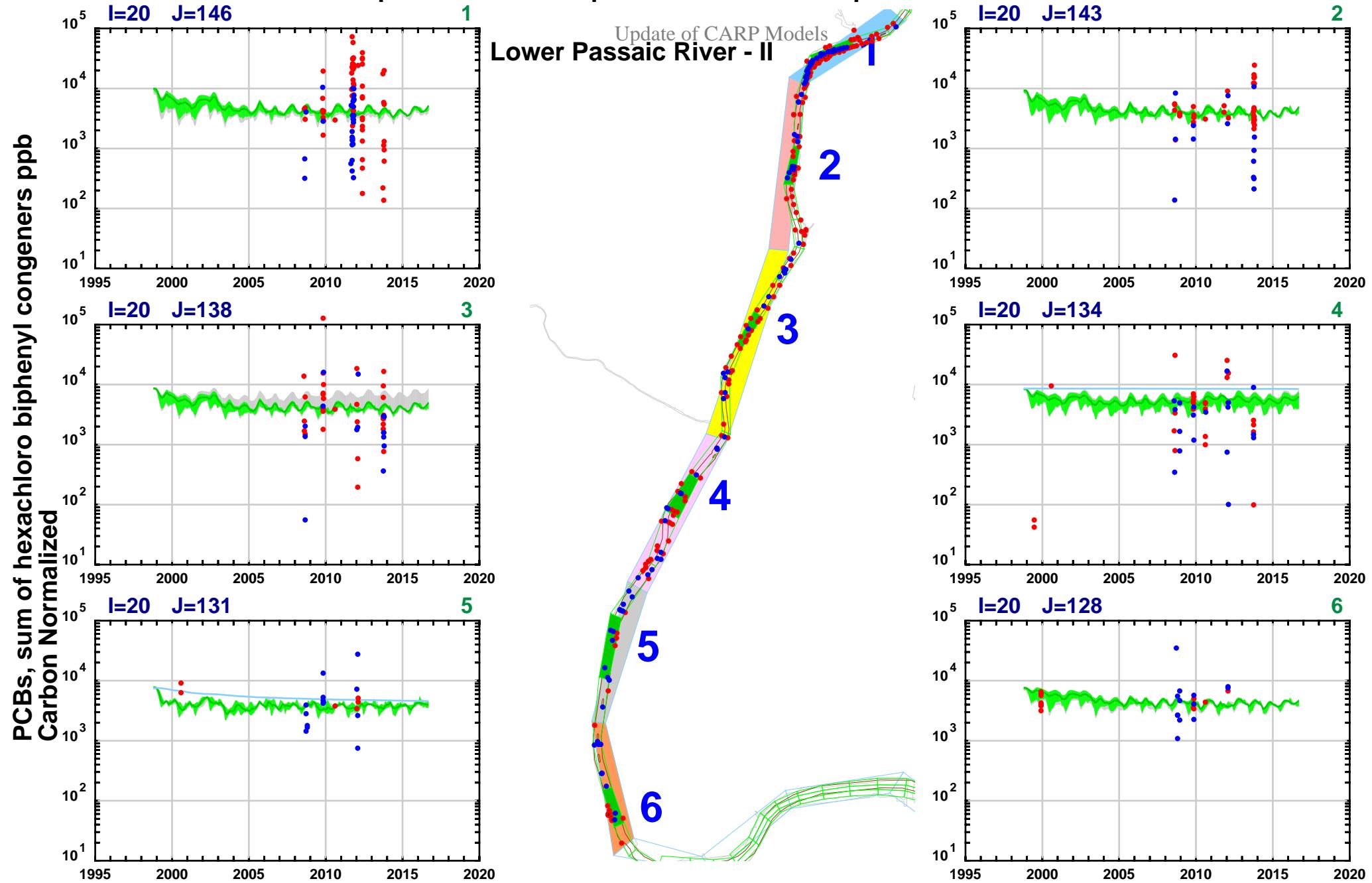
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



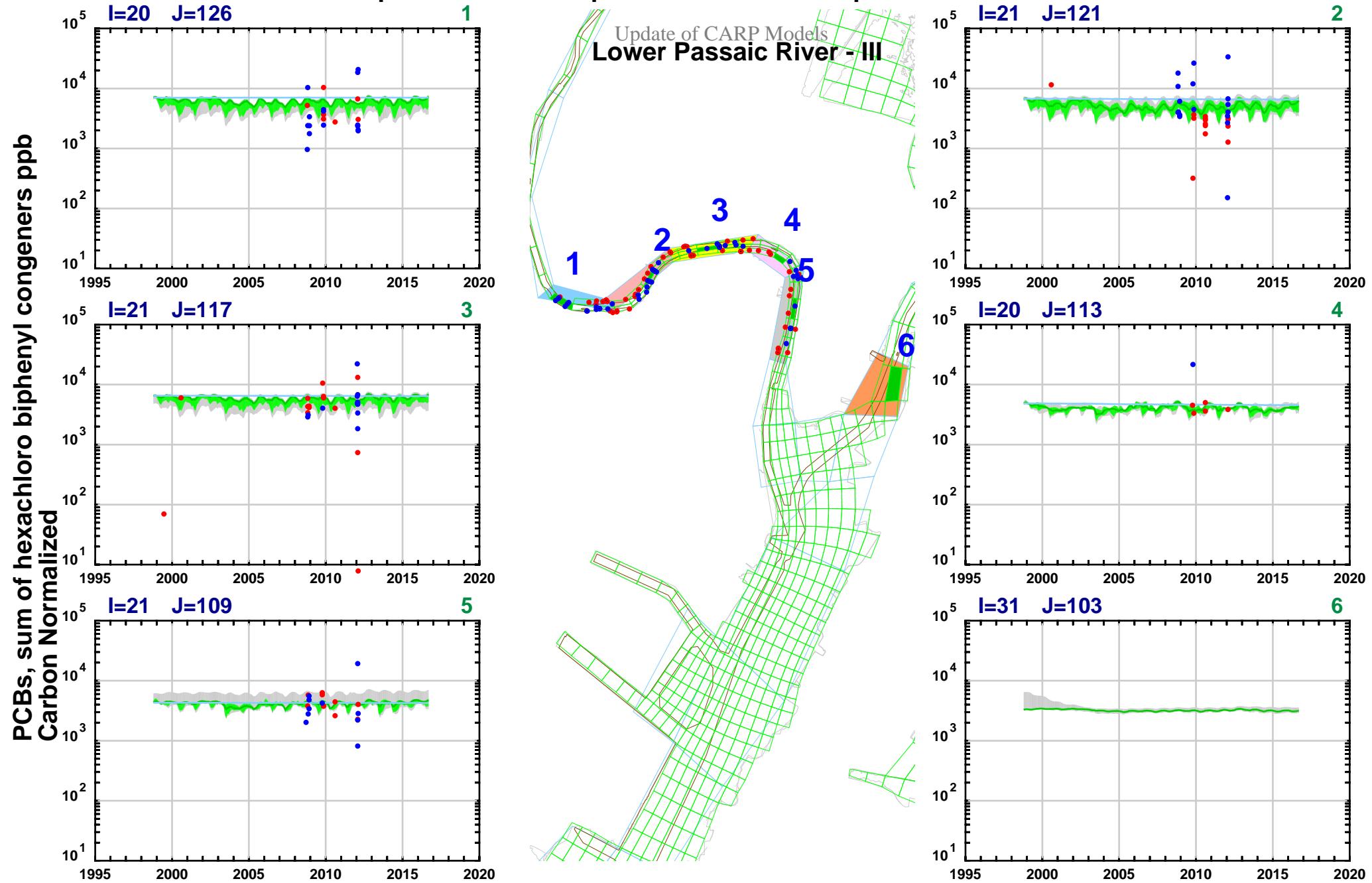
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

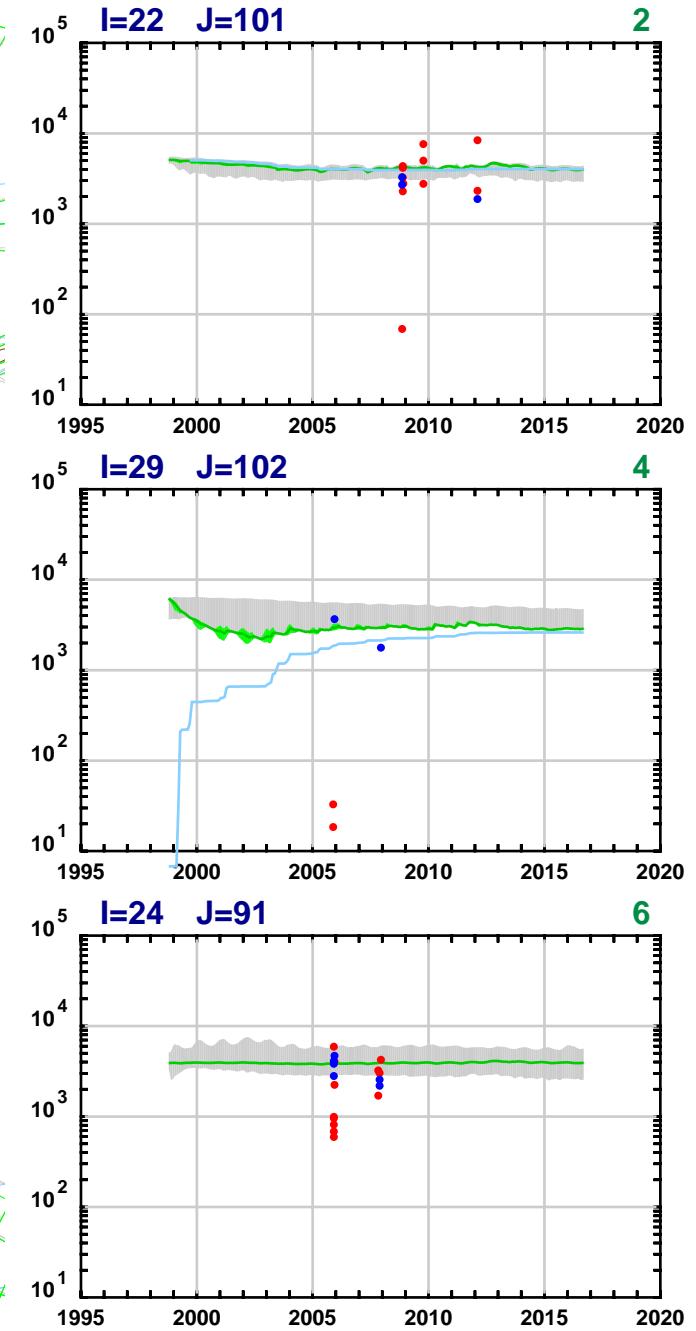
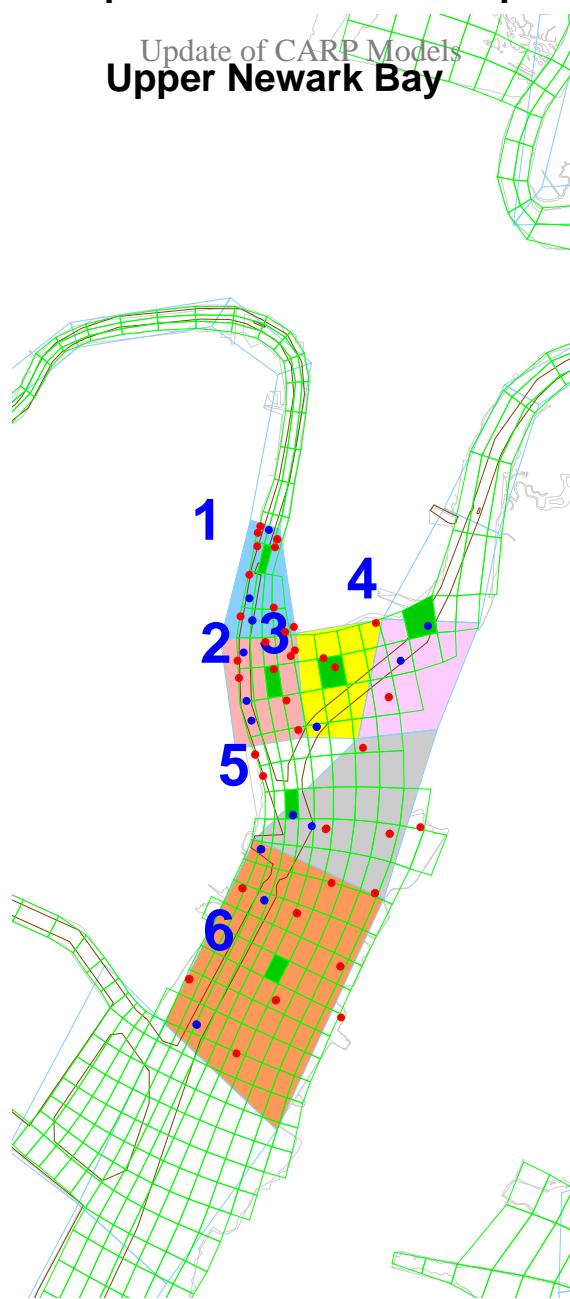
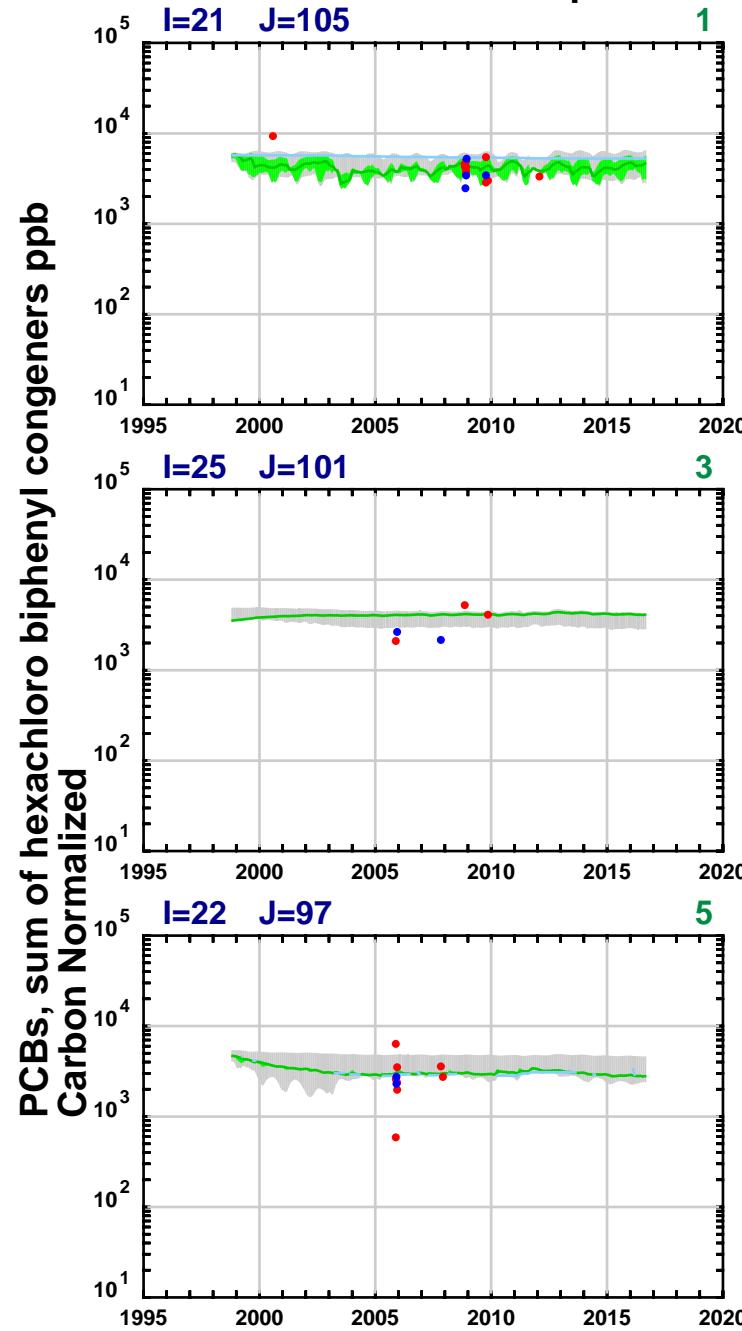


RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment

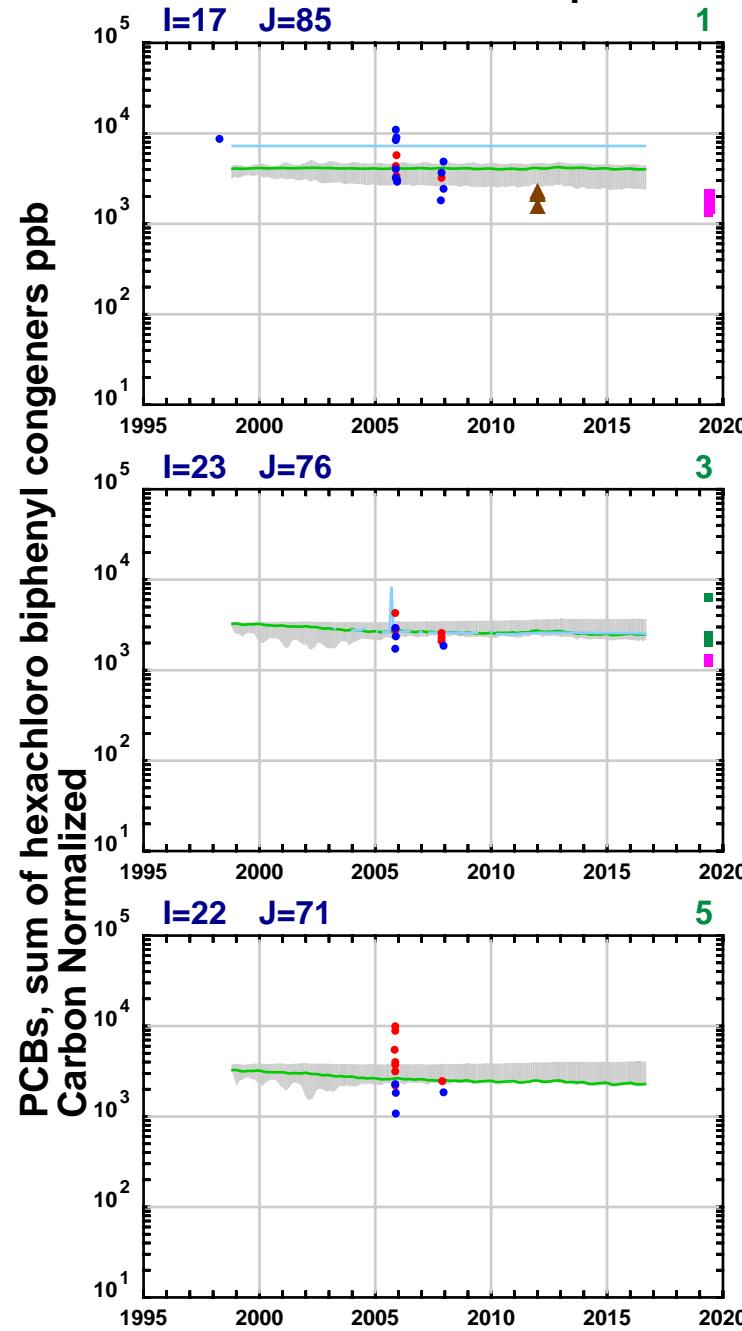


RUN18

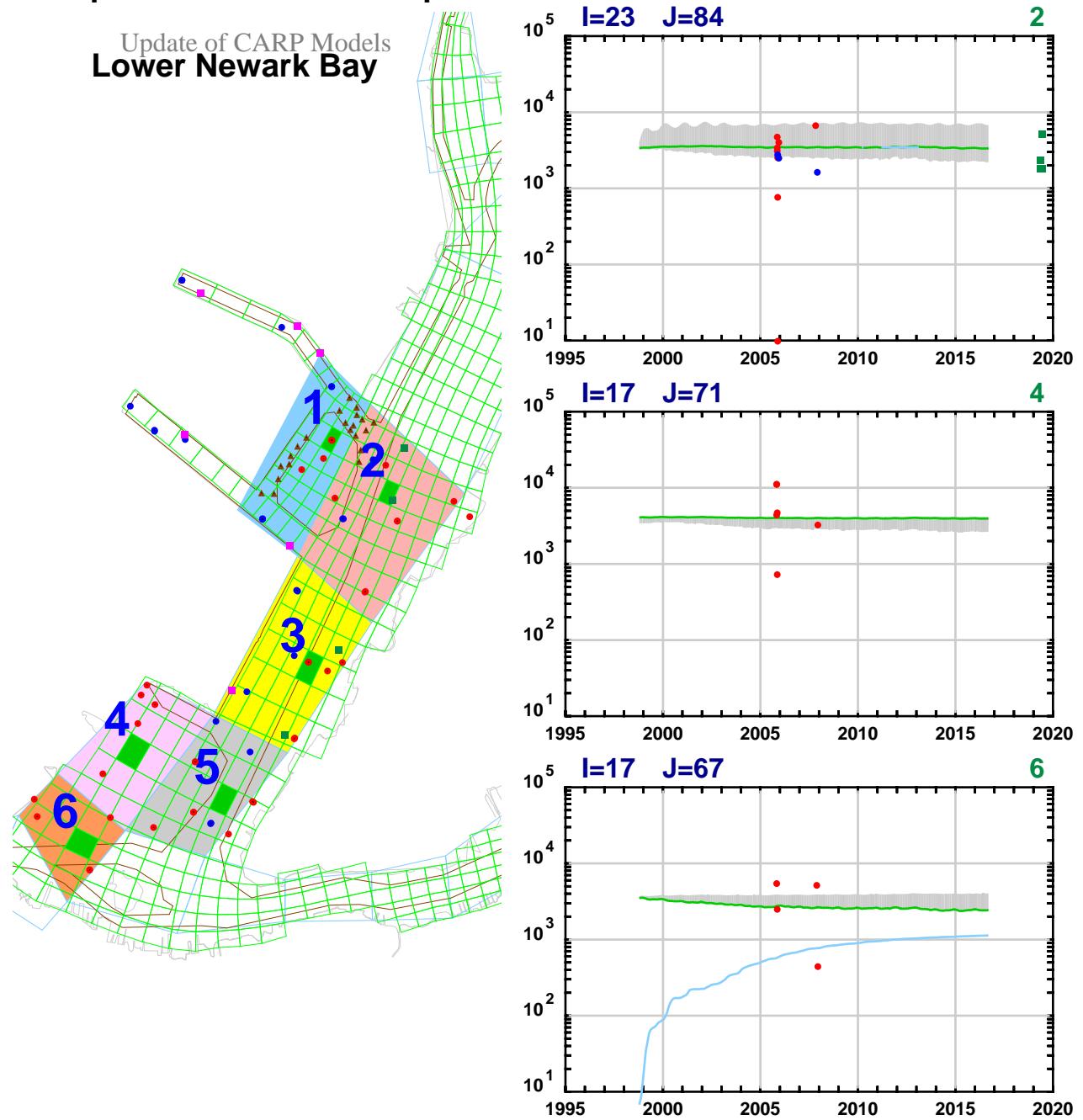
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay



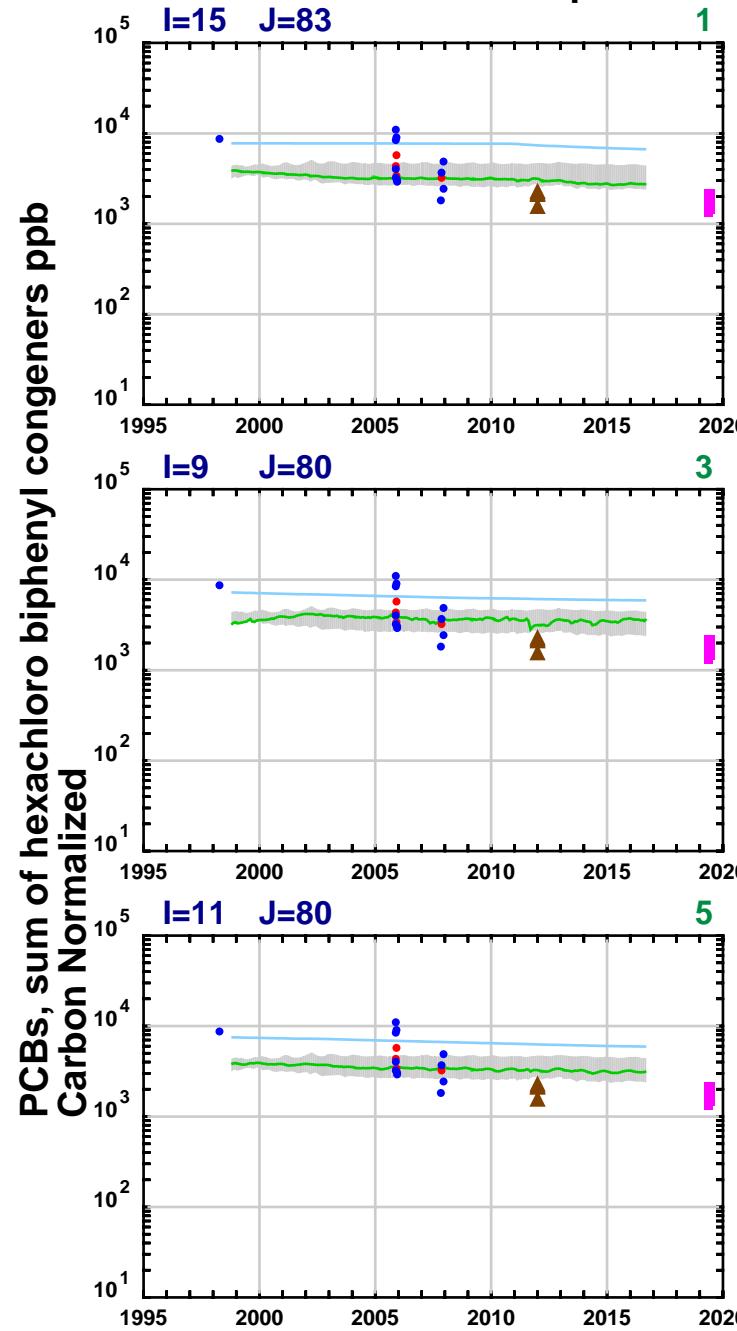
RUN18

Model: mean and range of values in top sediment

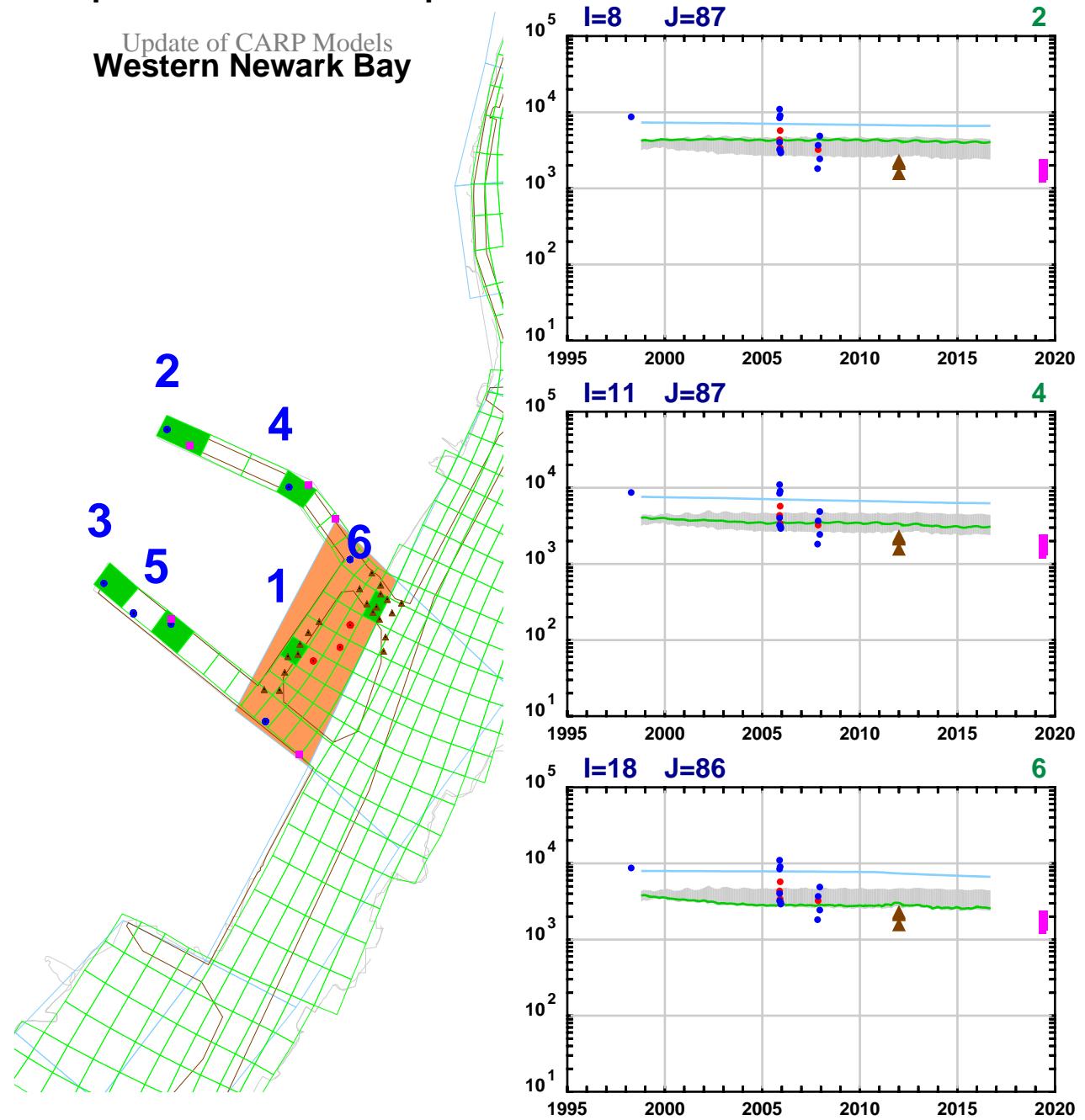
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay



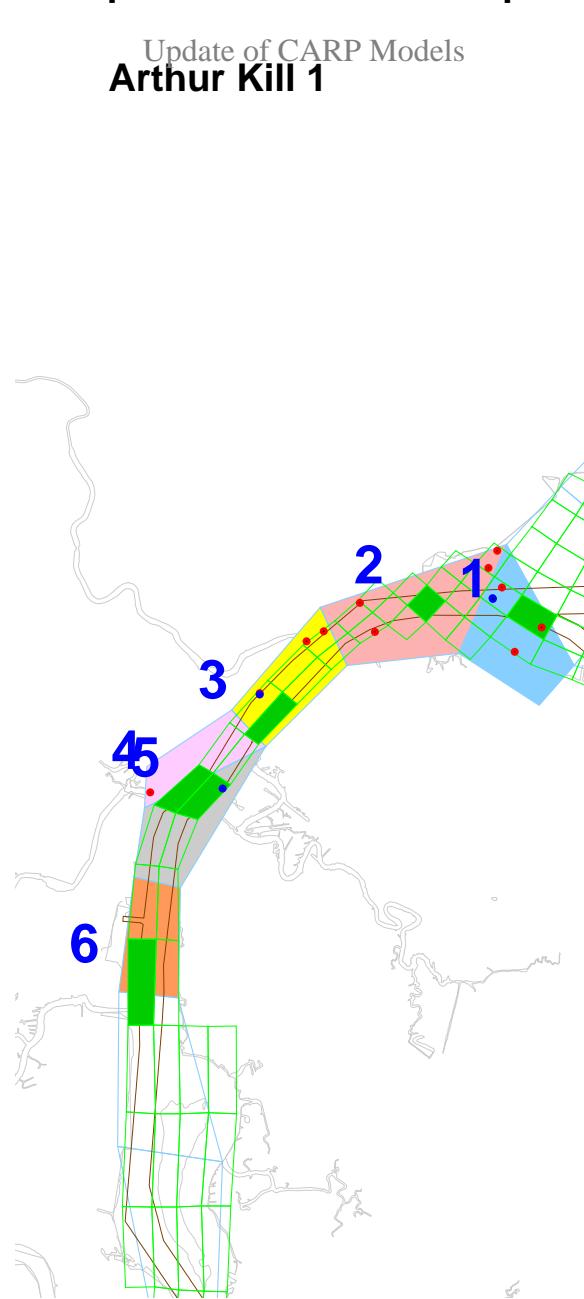
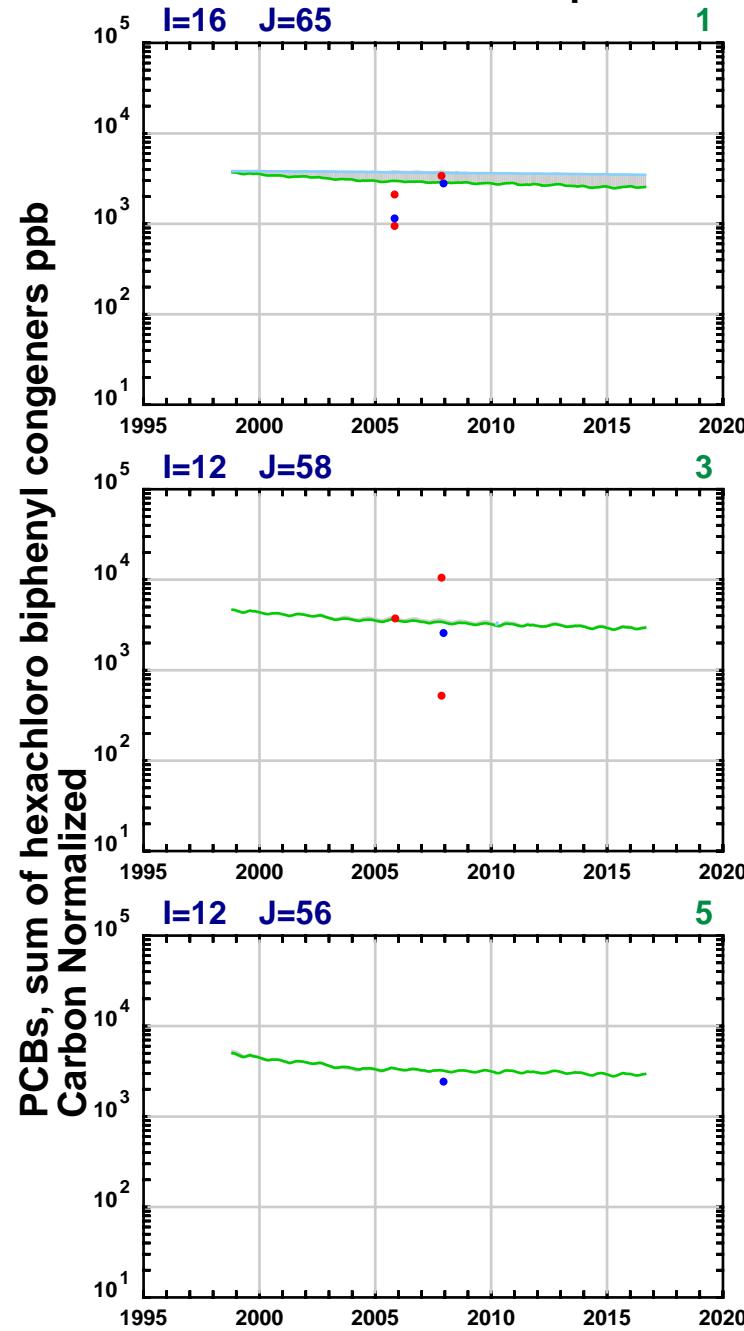
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



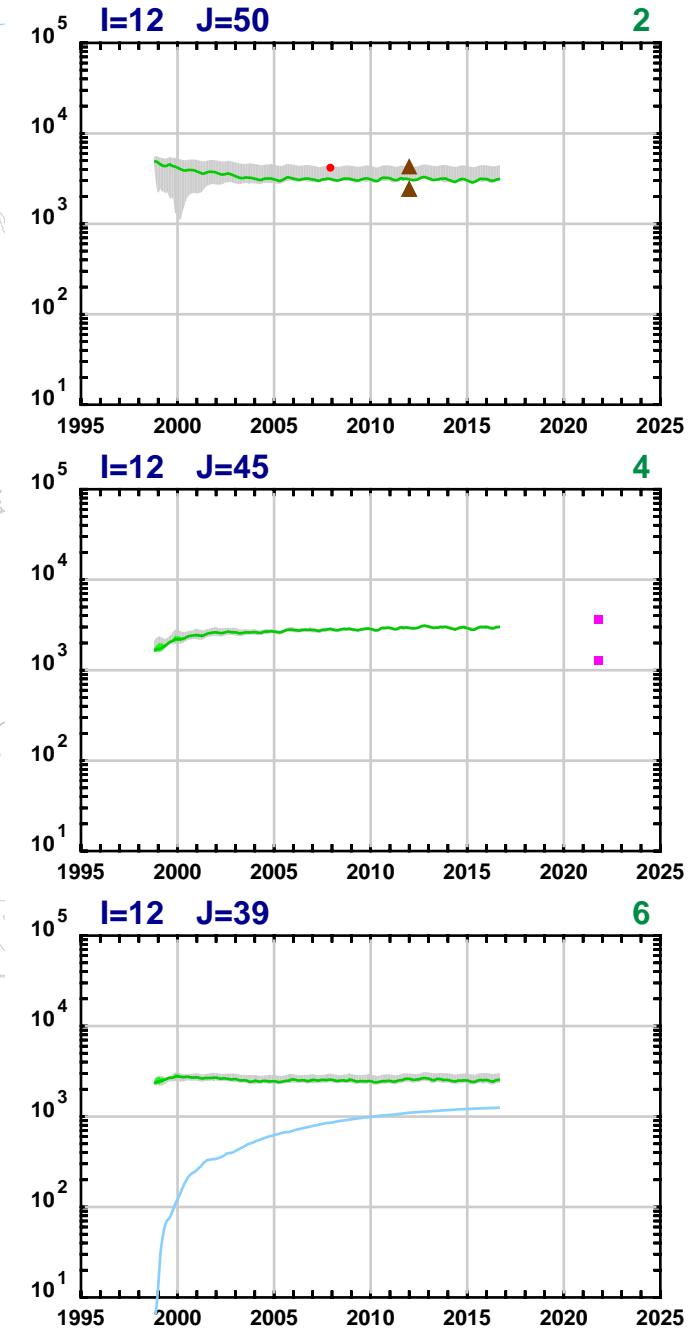
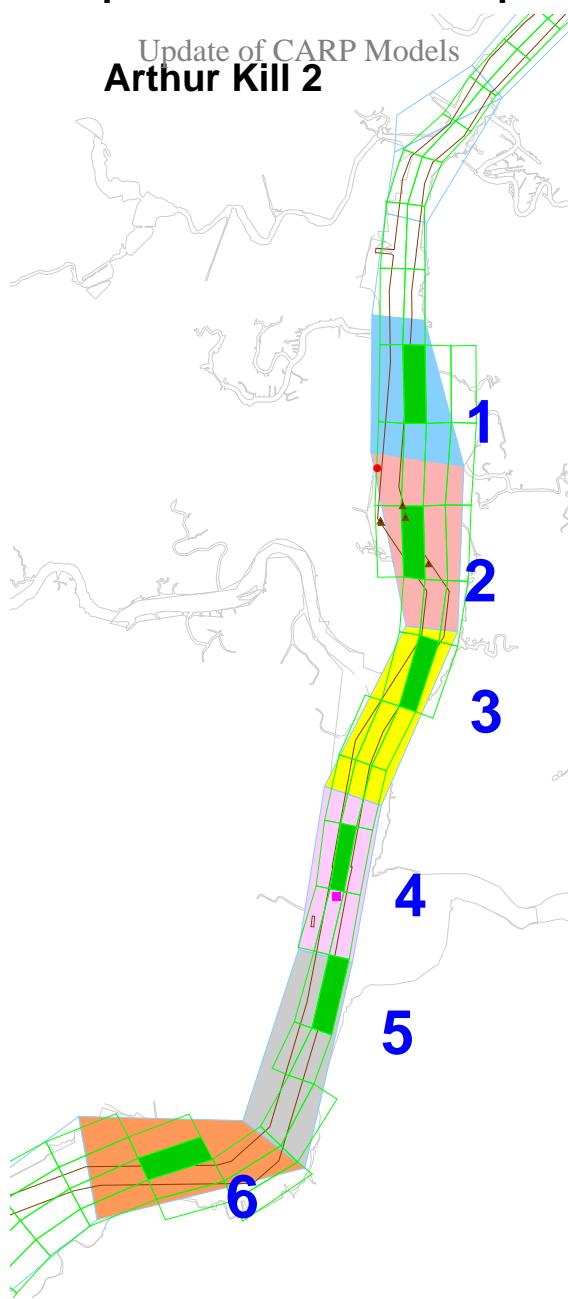
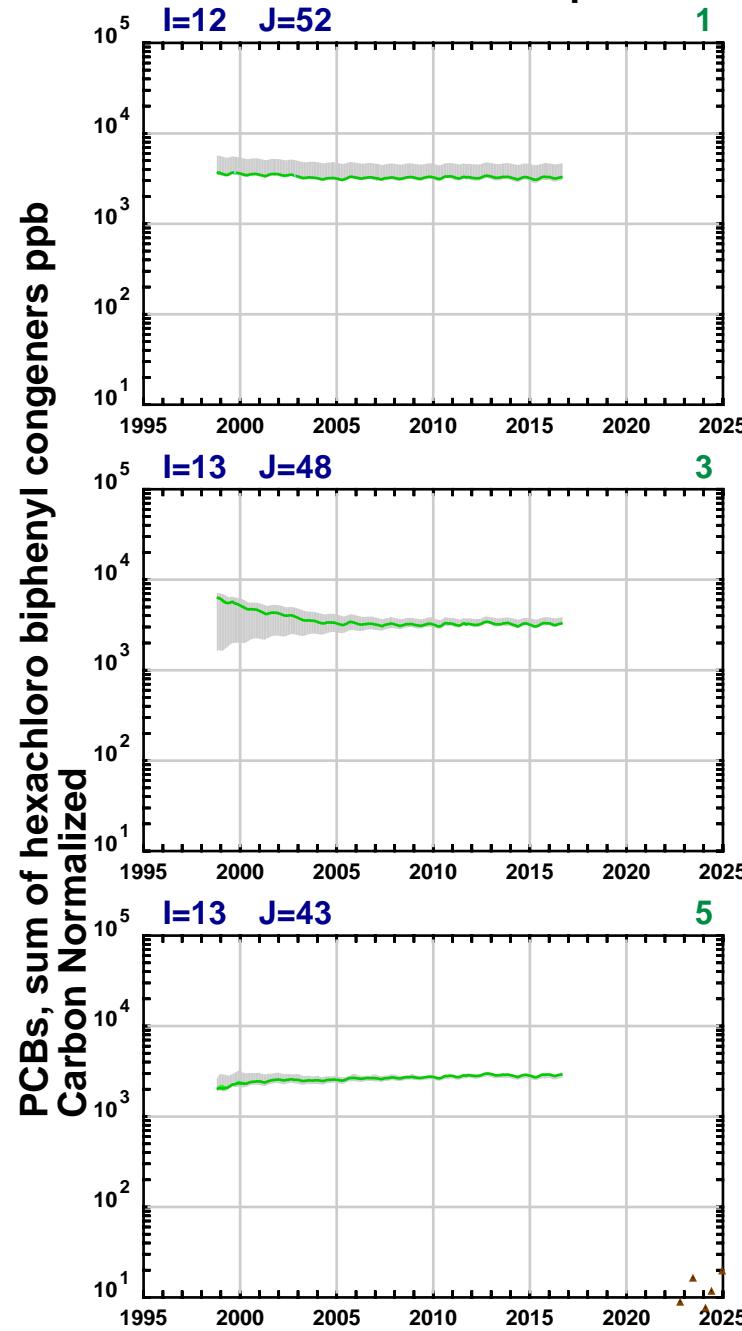
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

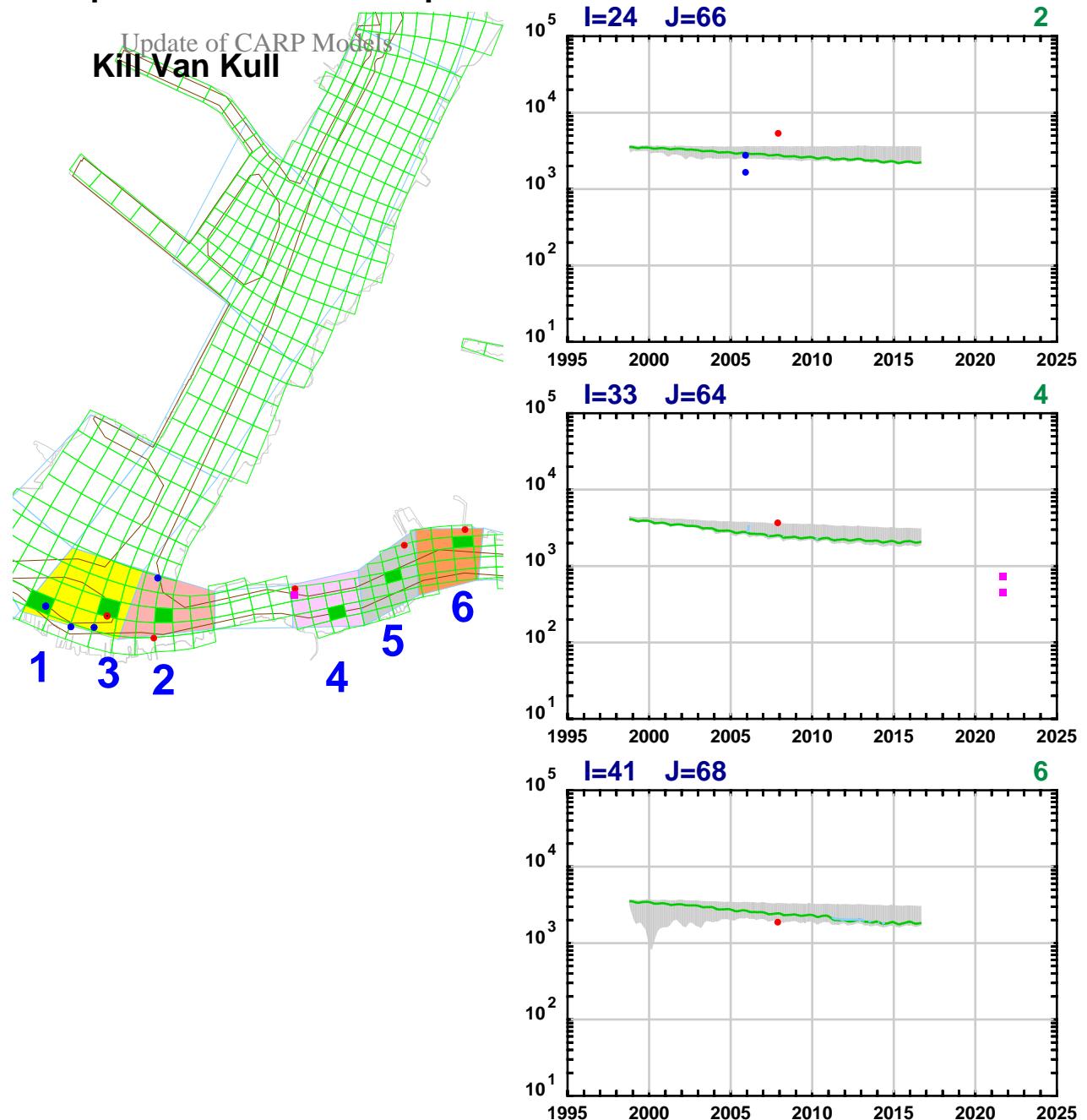
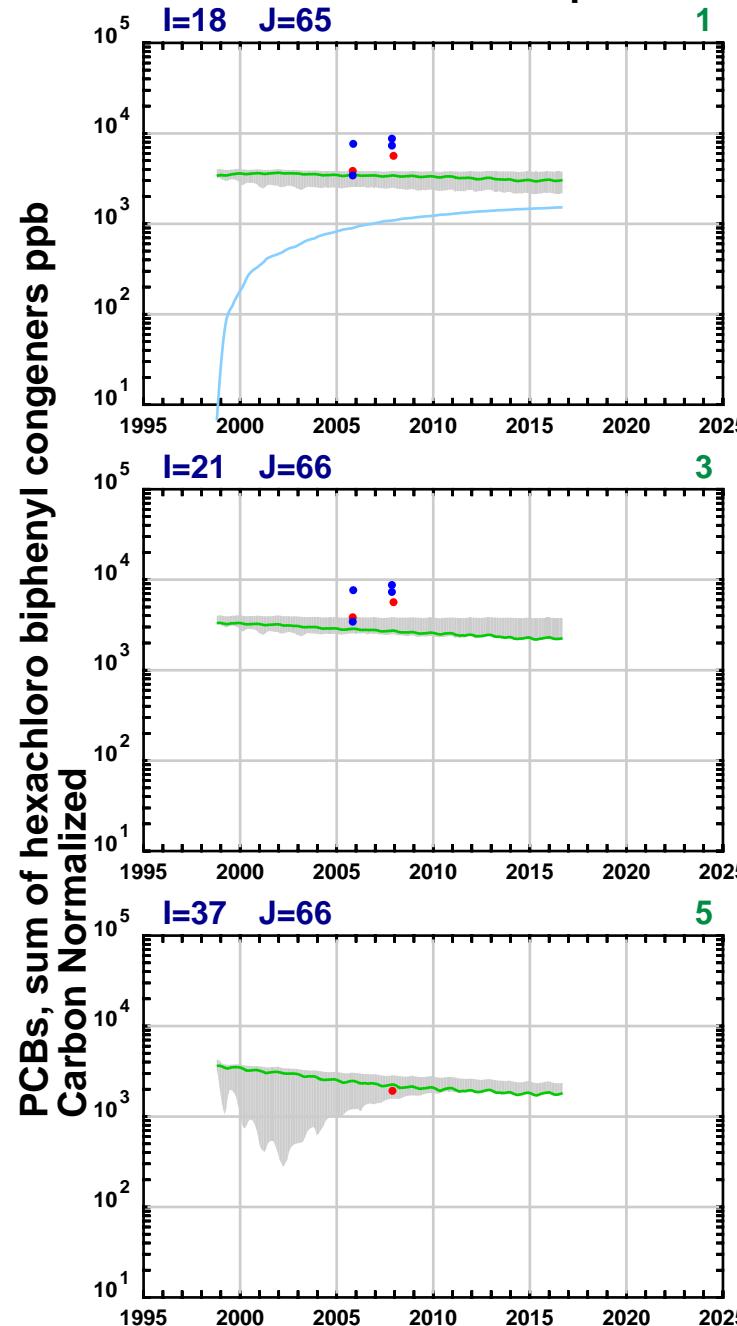


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



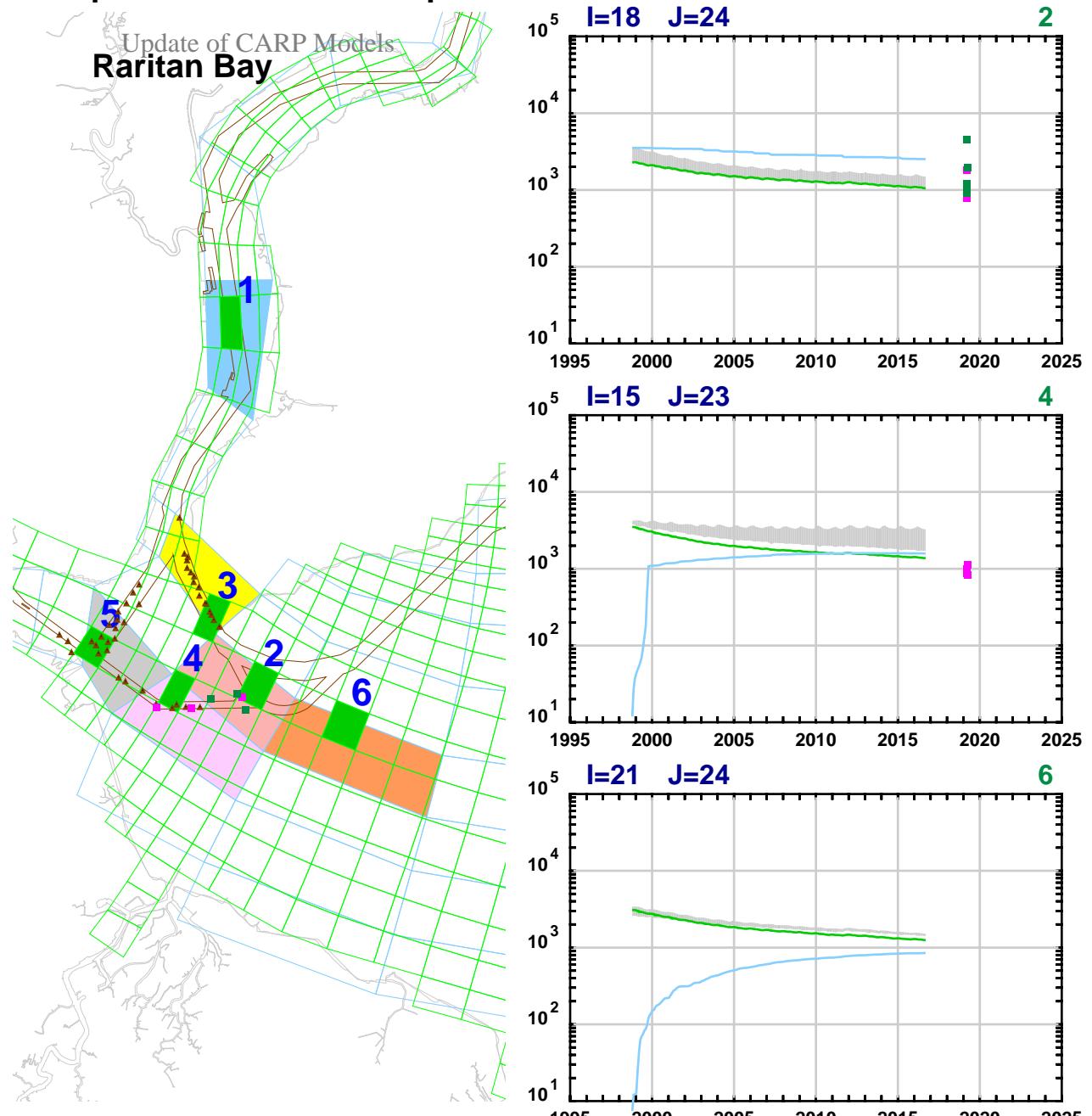
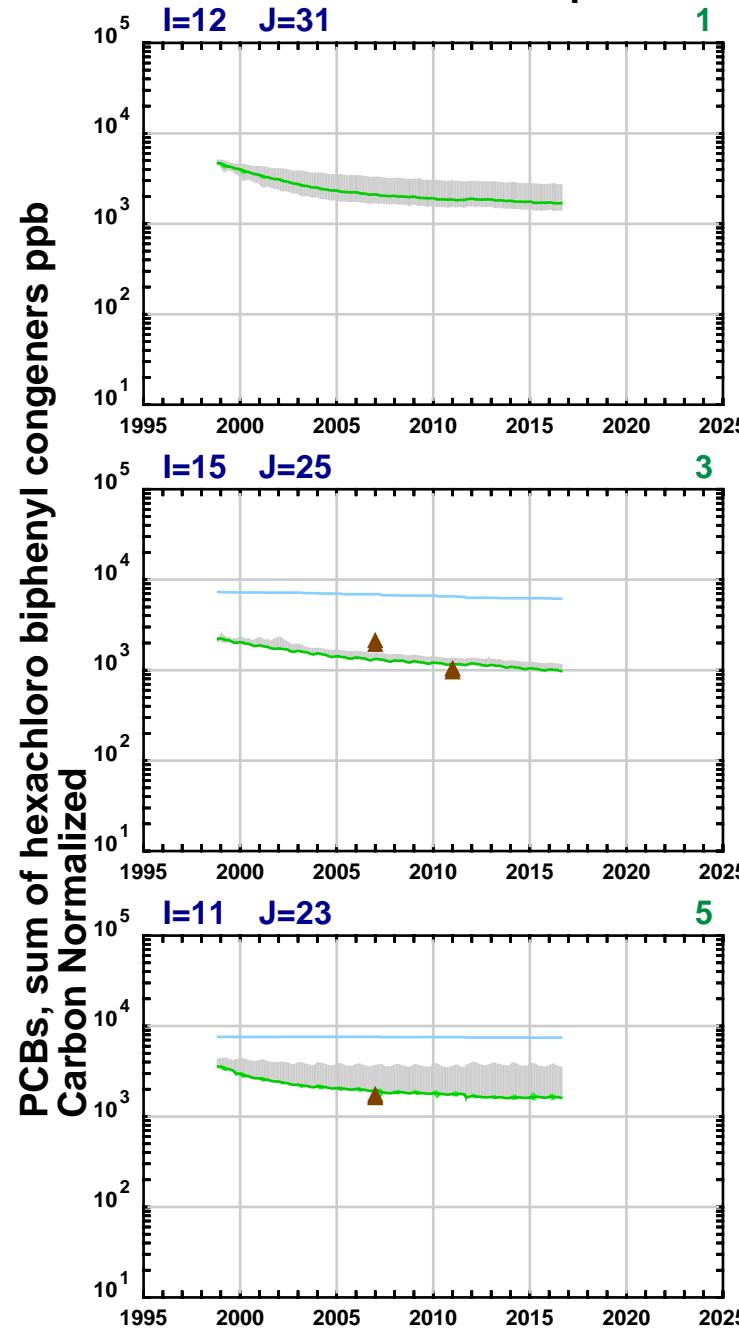
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



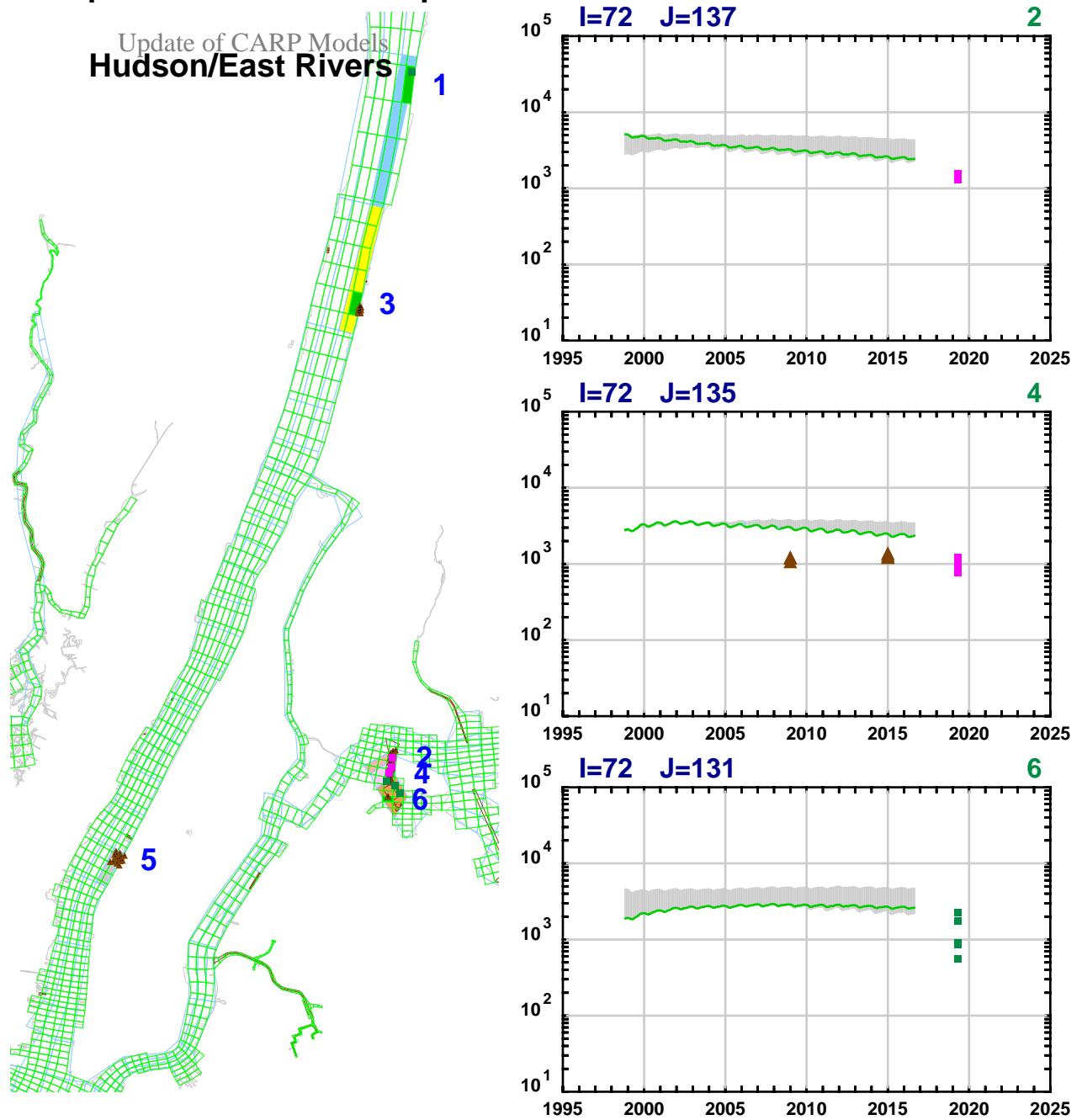
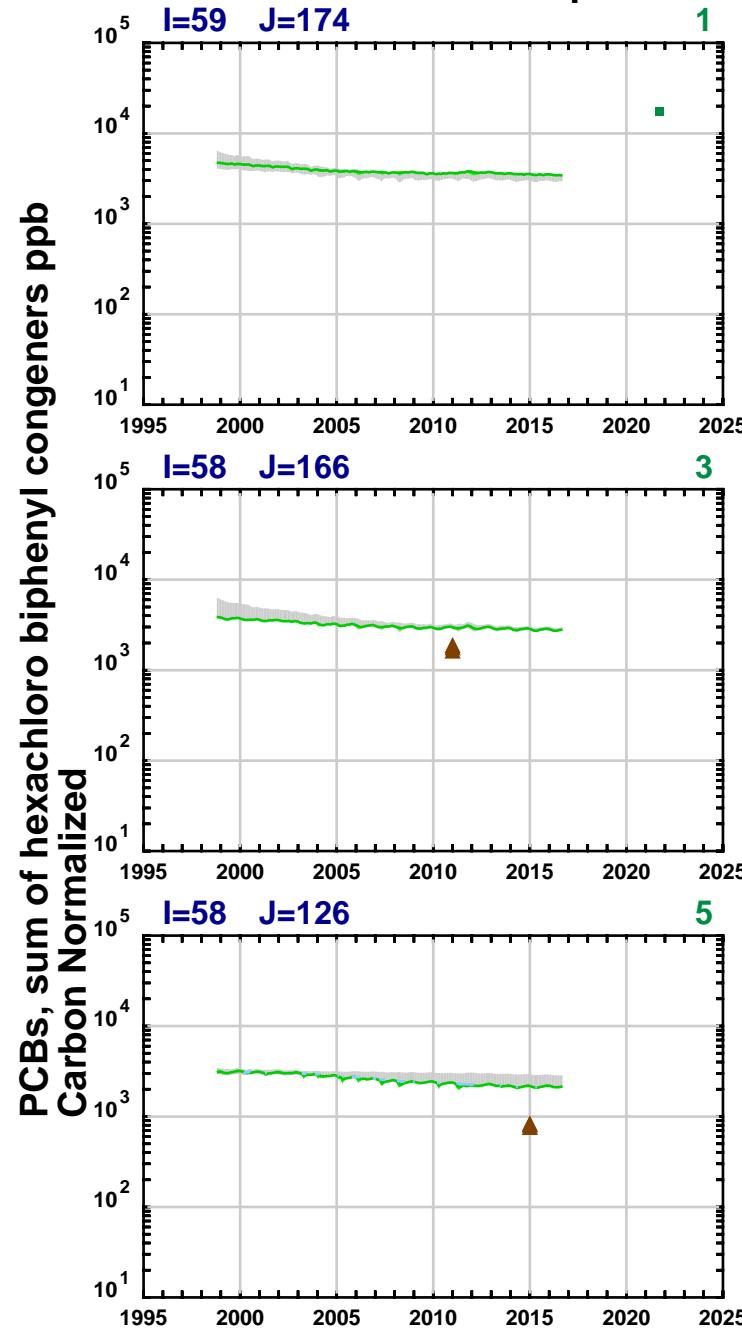
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



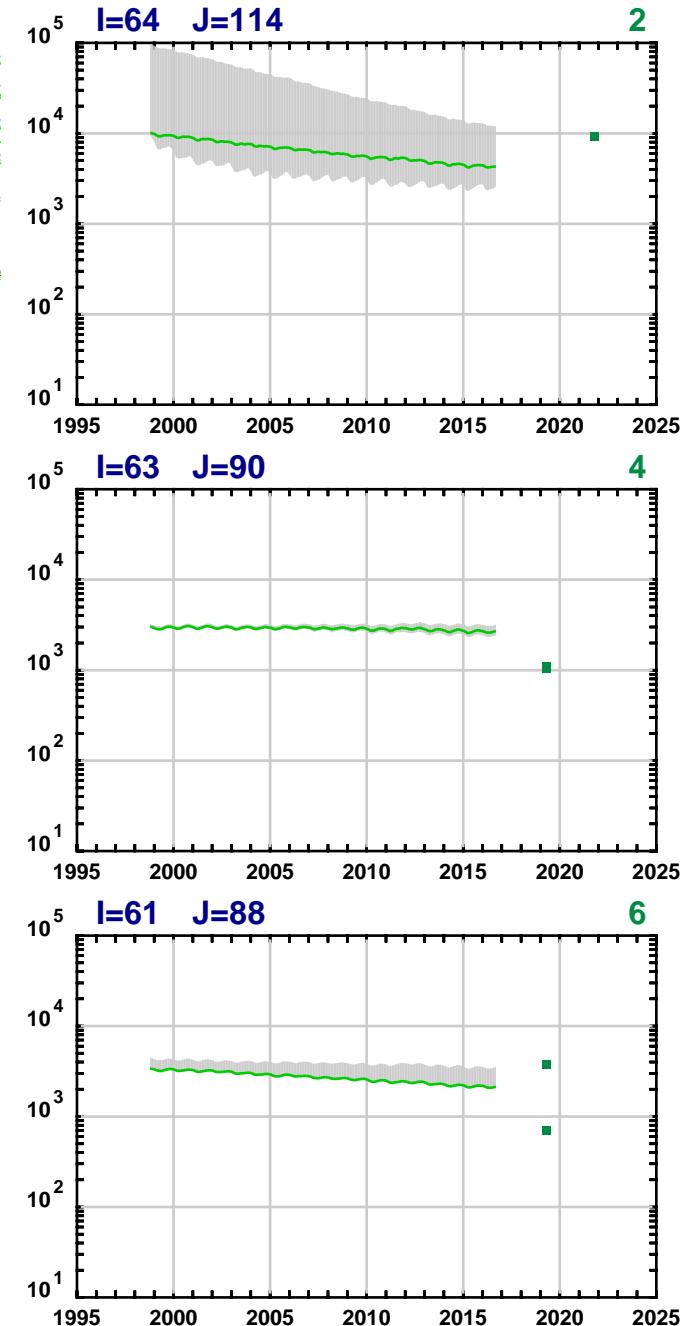
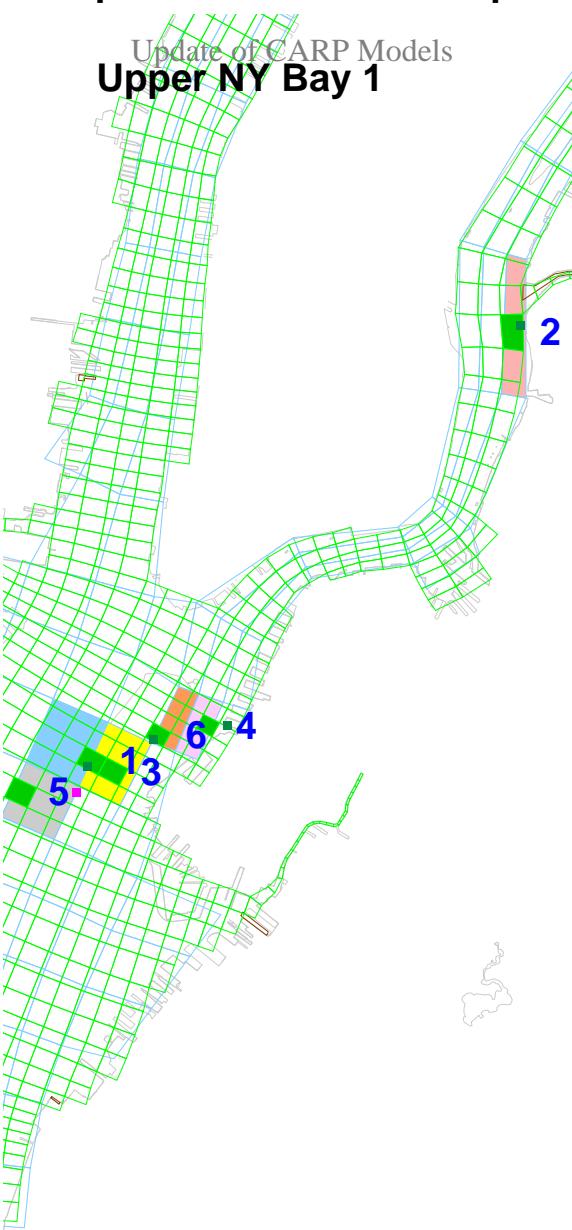
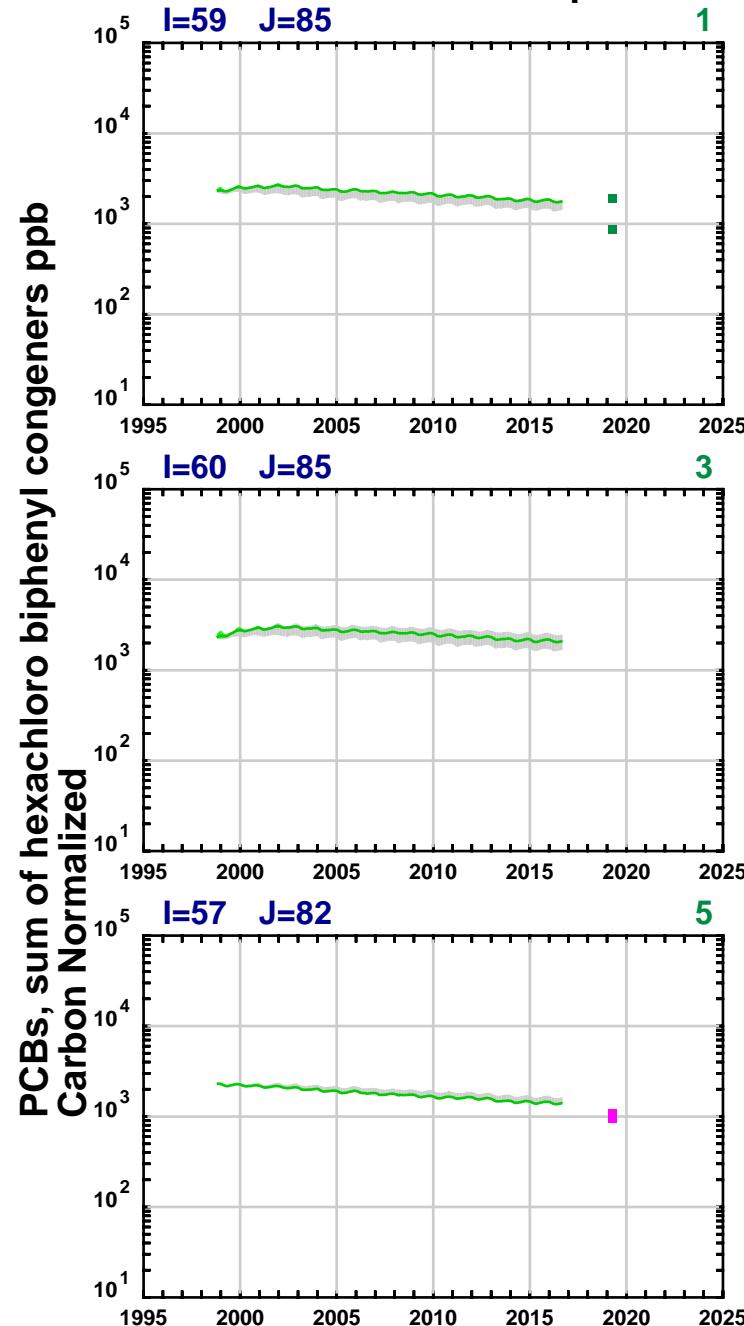
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

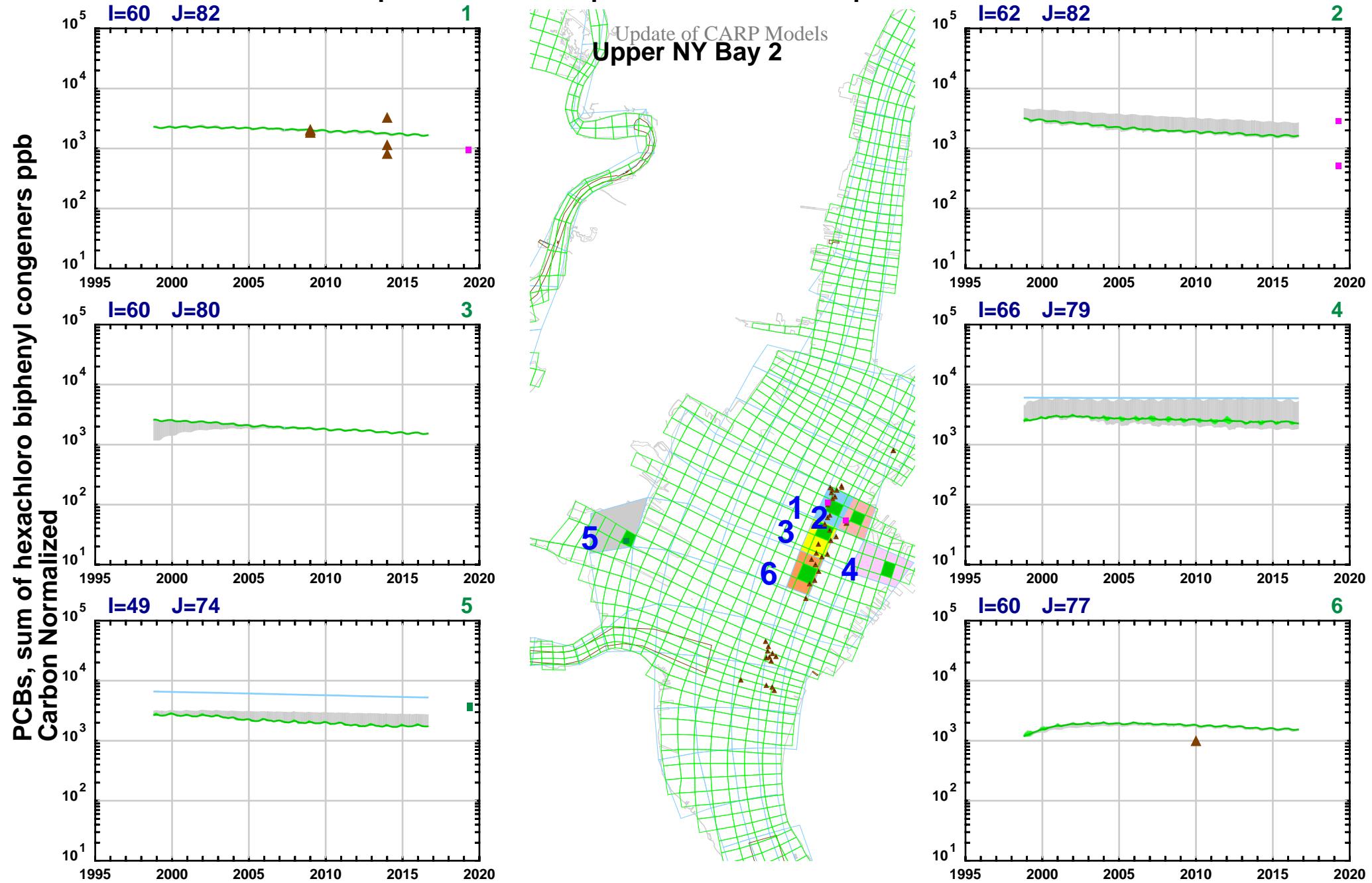


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



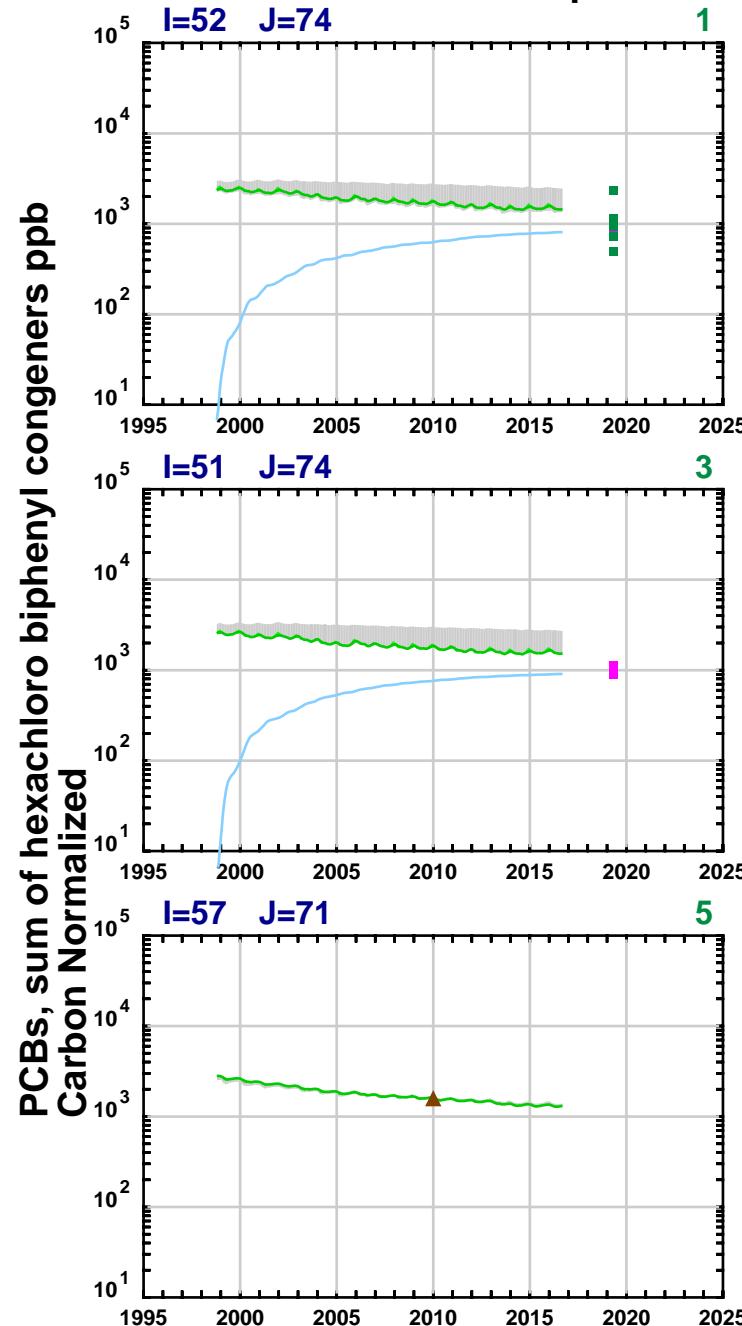
RUN18

Model: mean and range of values in top sediment

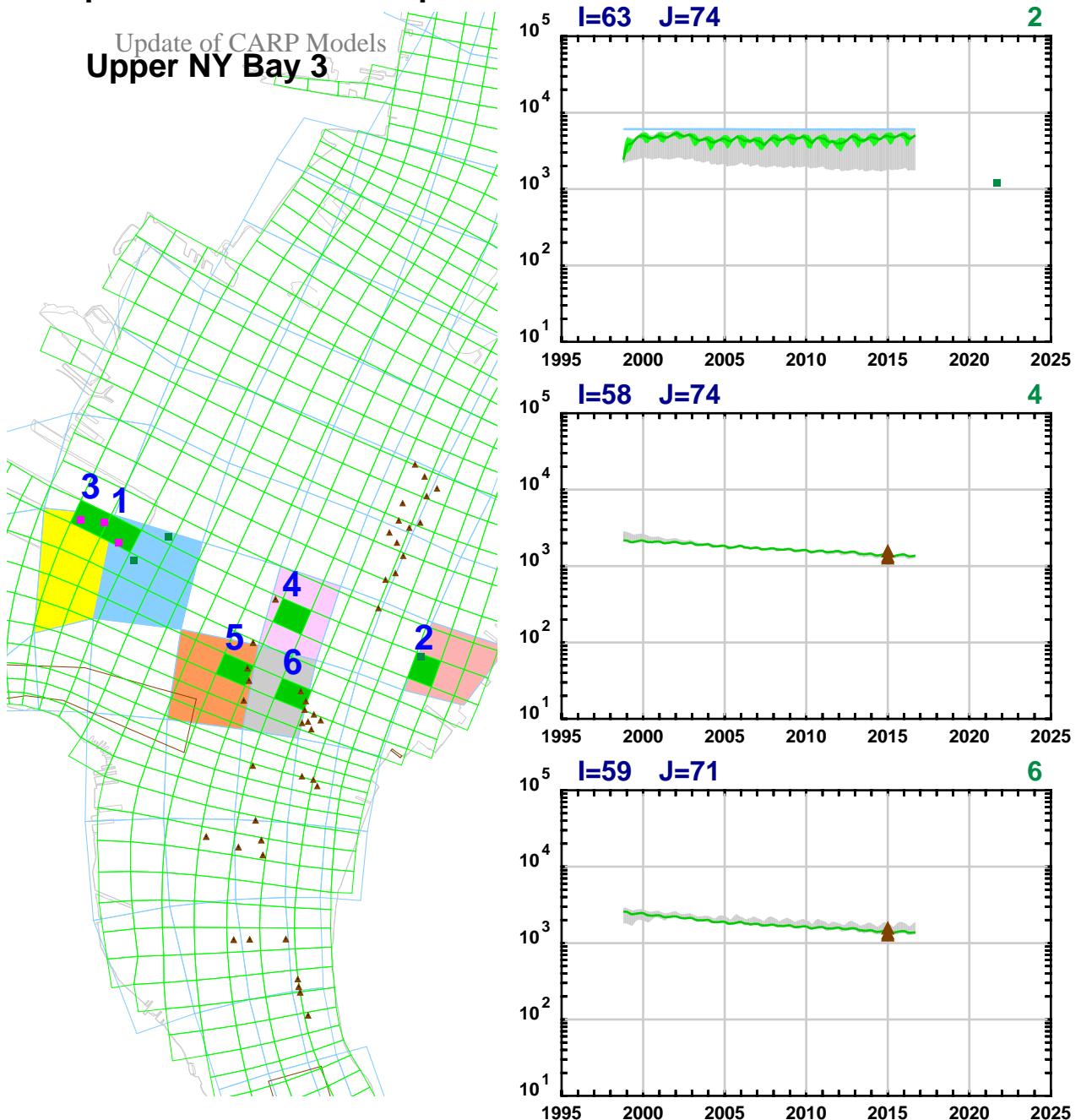
Model: mean and range of values in bottom sediment

Appendix 13 Page 190 of 225
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Upper NY Bay 3



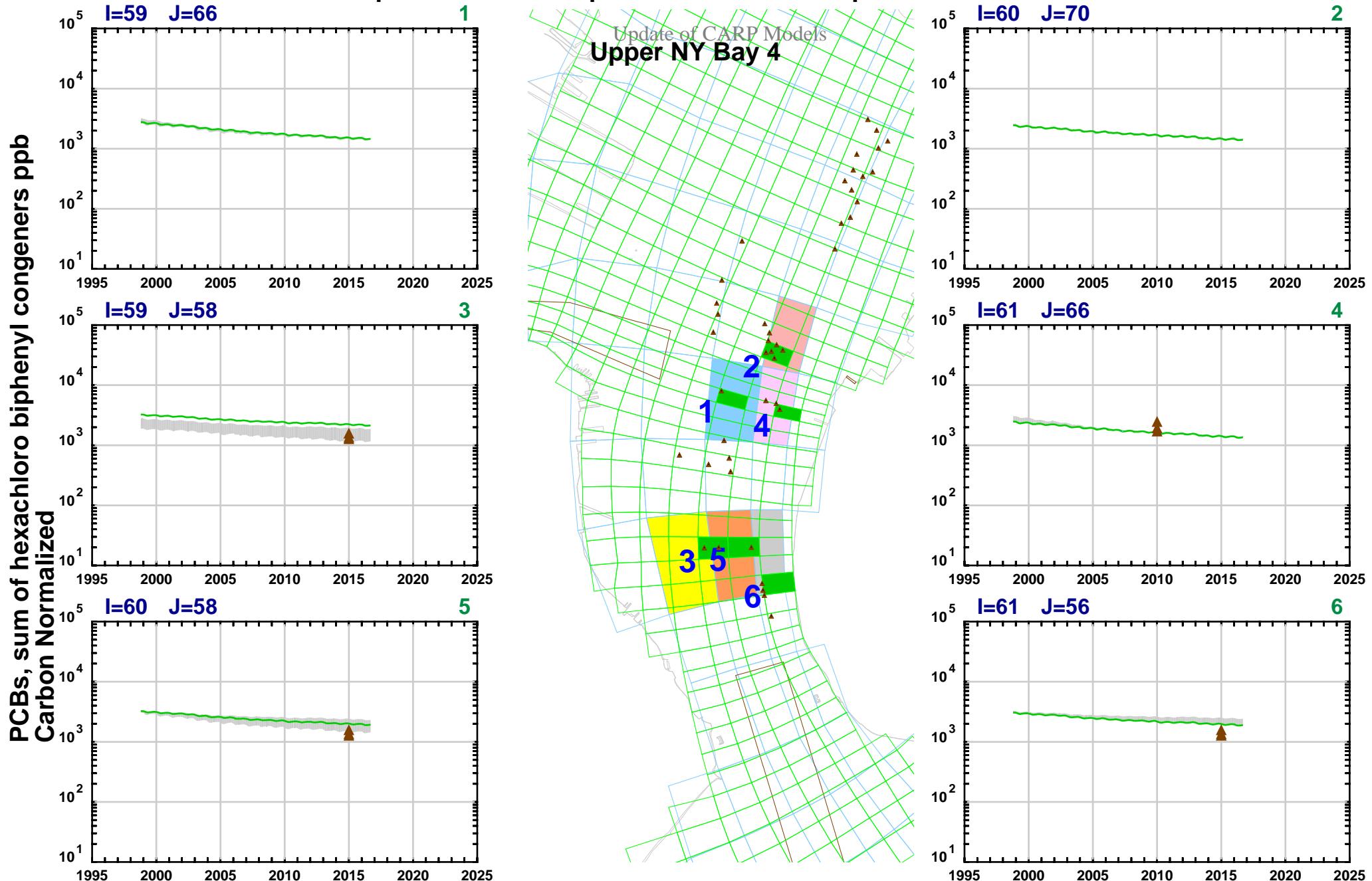
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



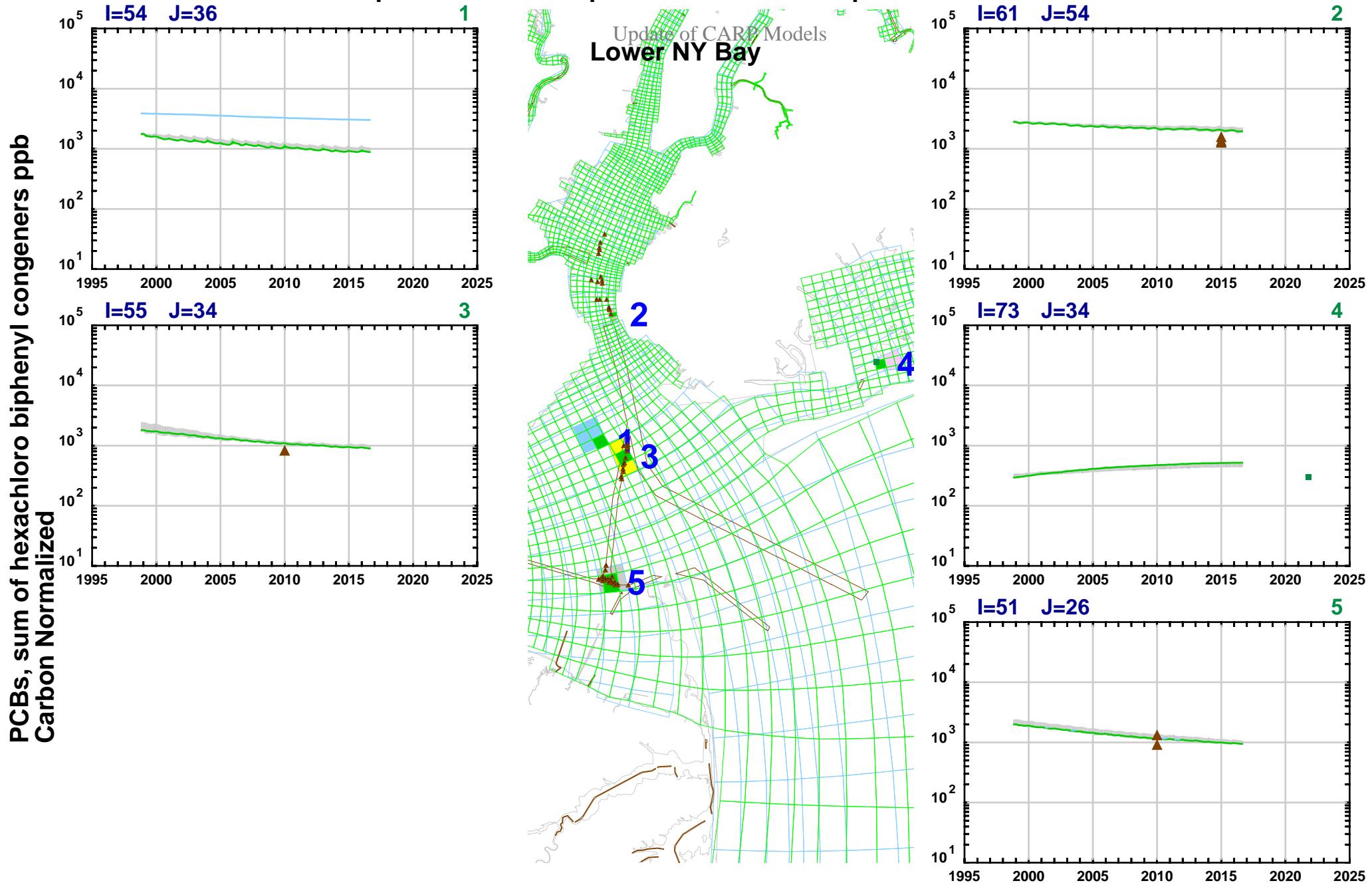
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



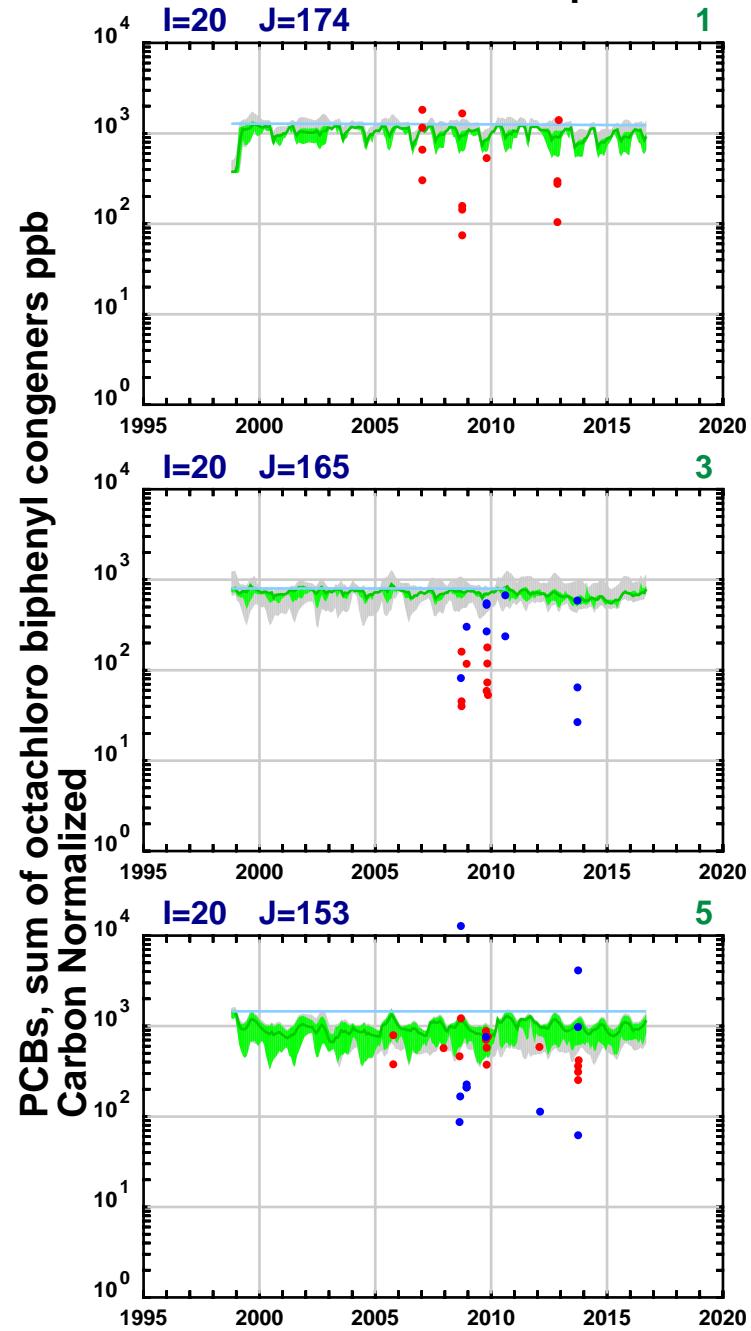
RUN18

Model: mean and range of values in top sediment

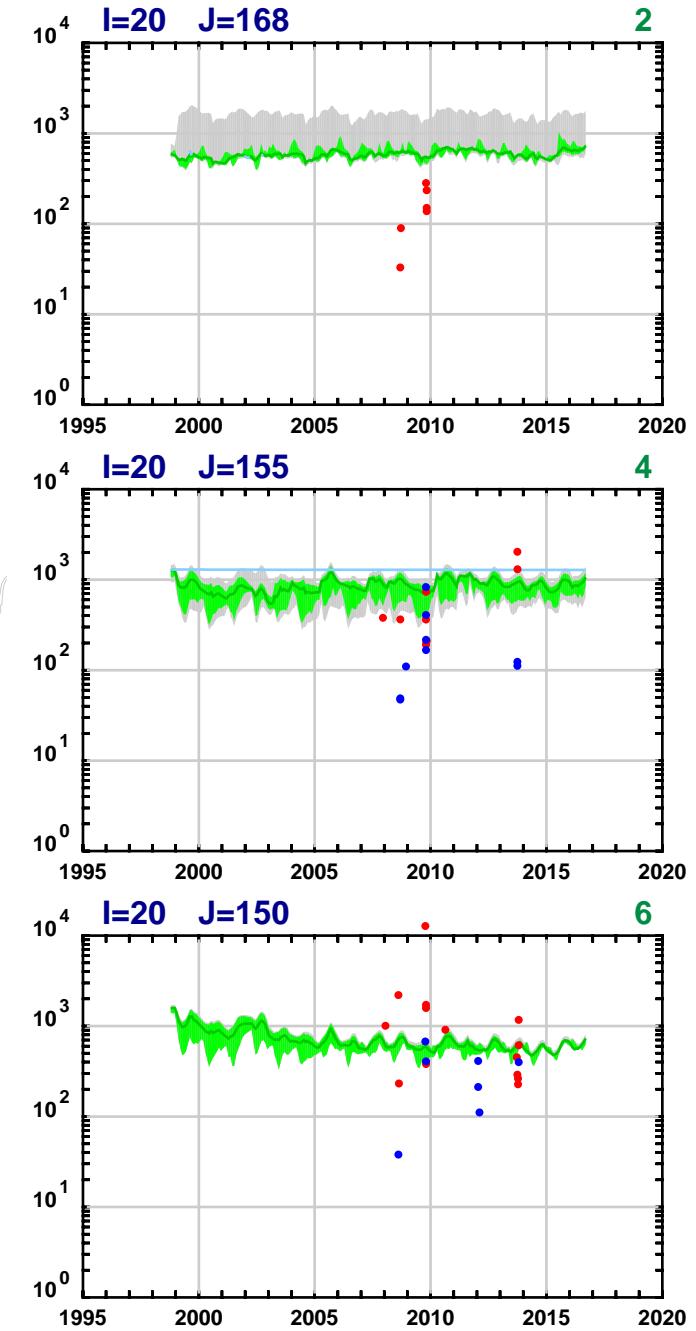
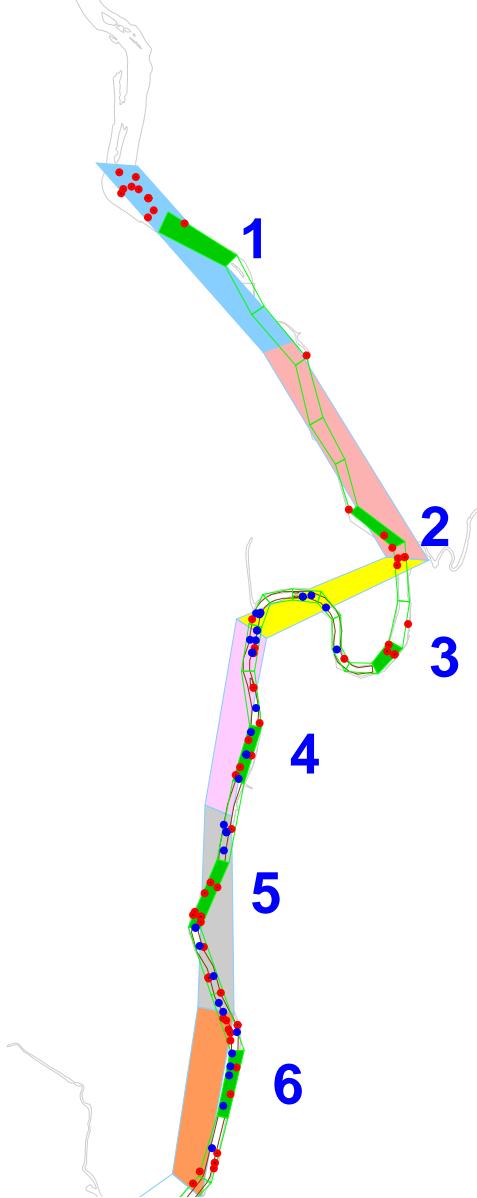
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I

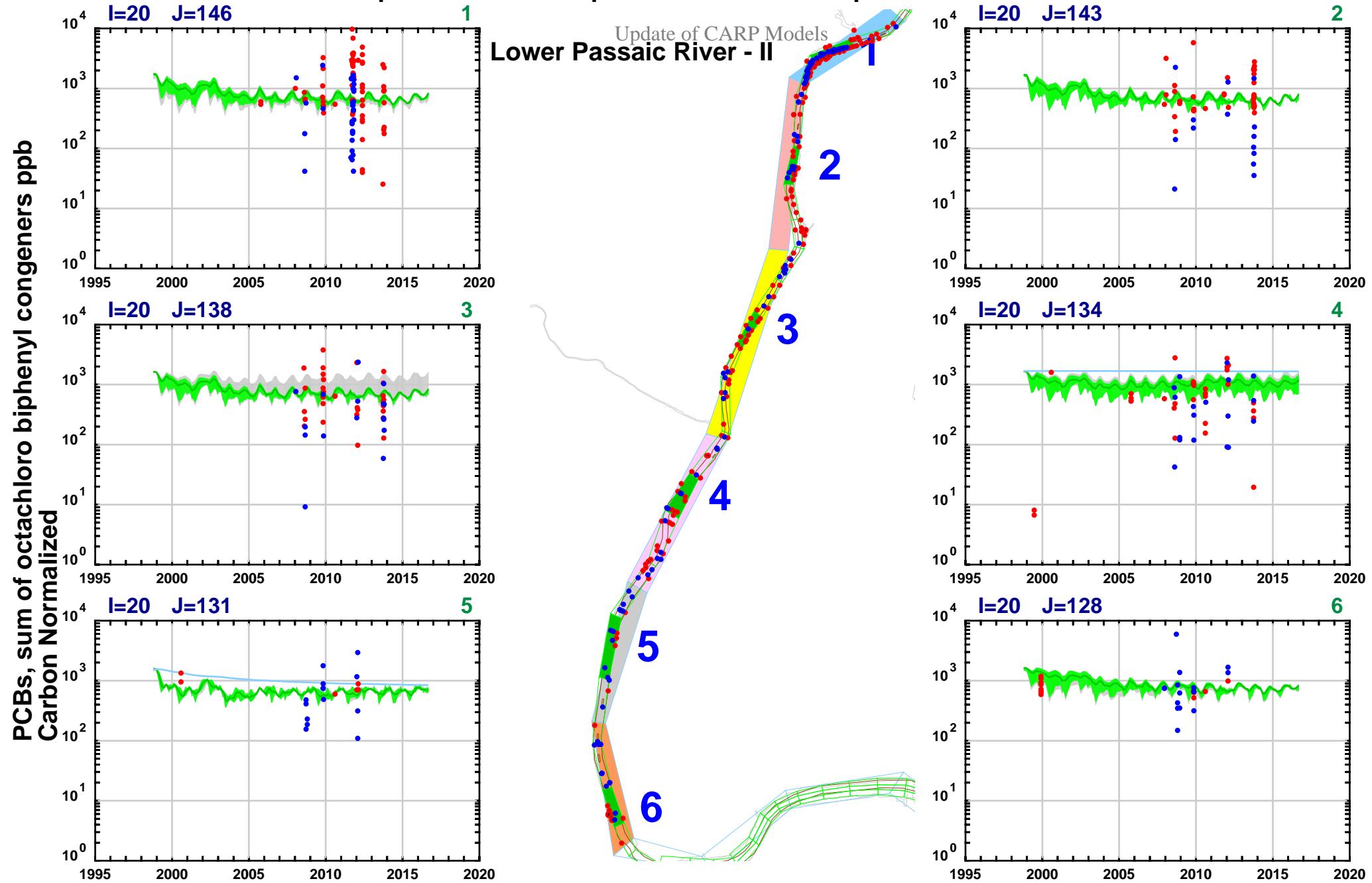


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



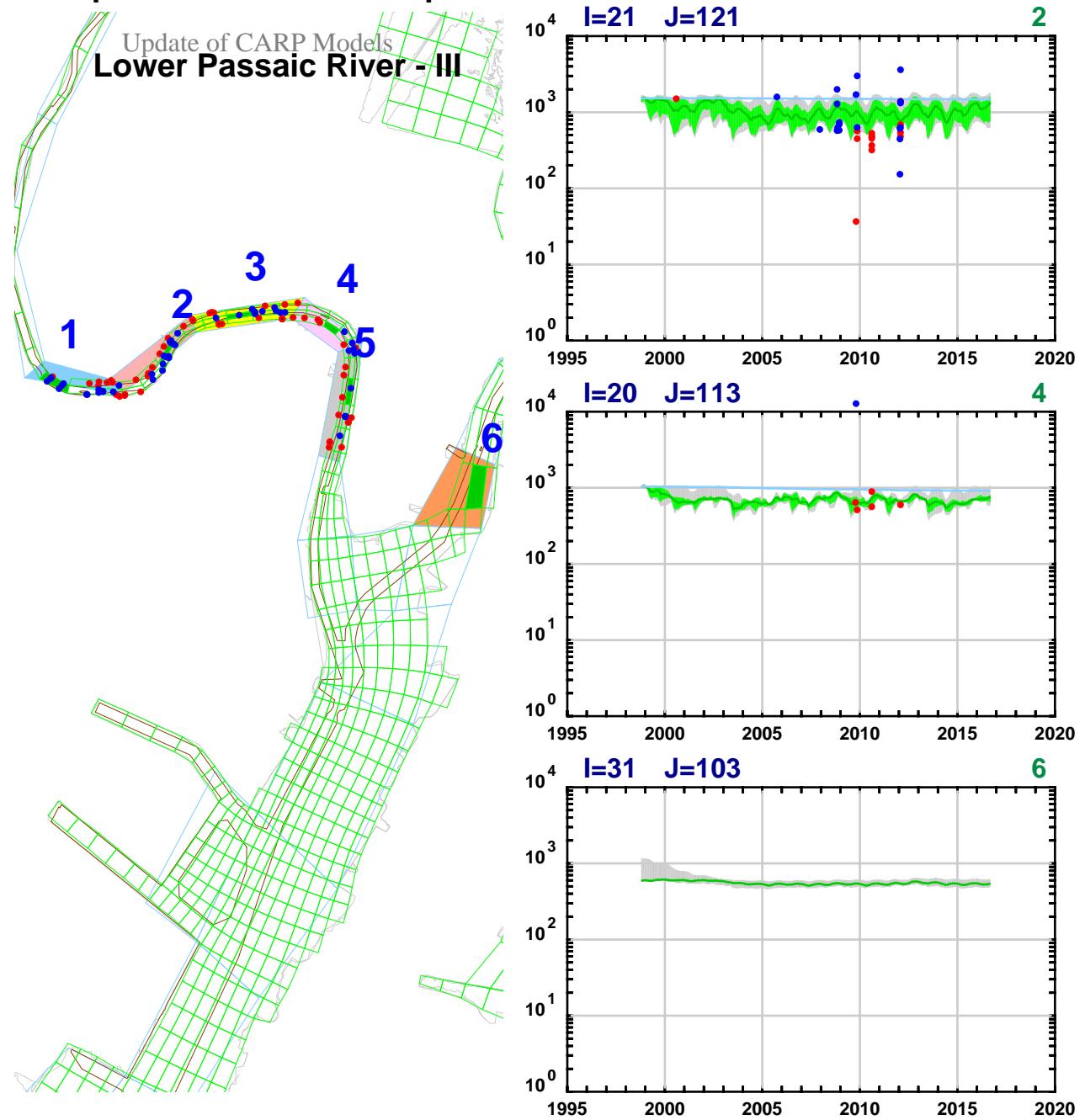
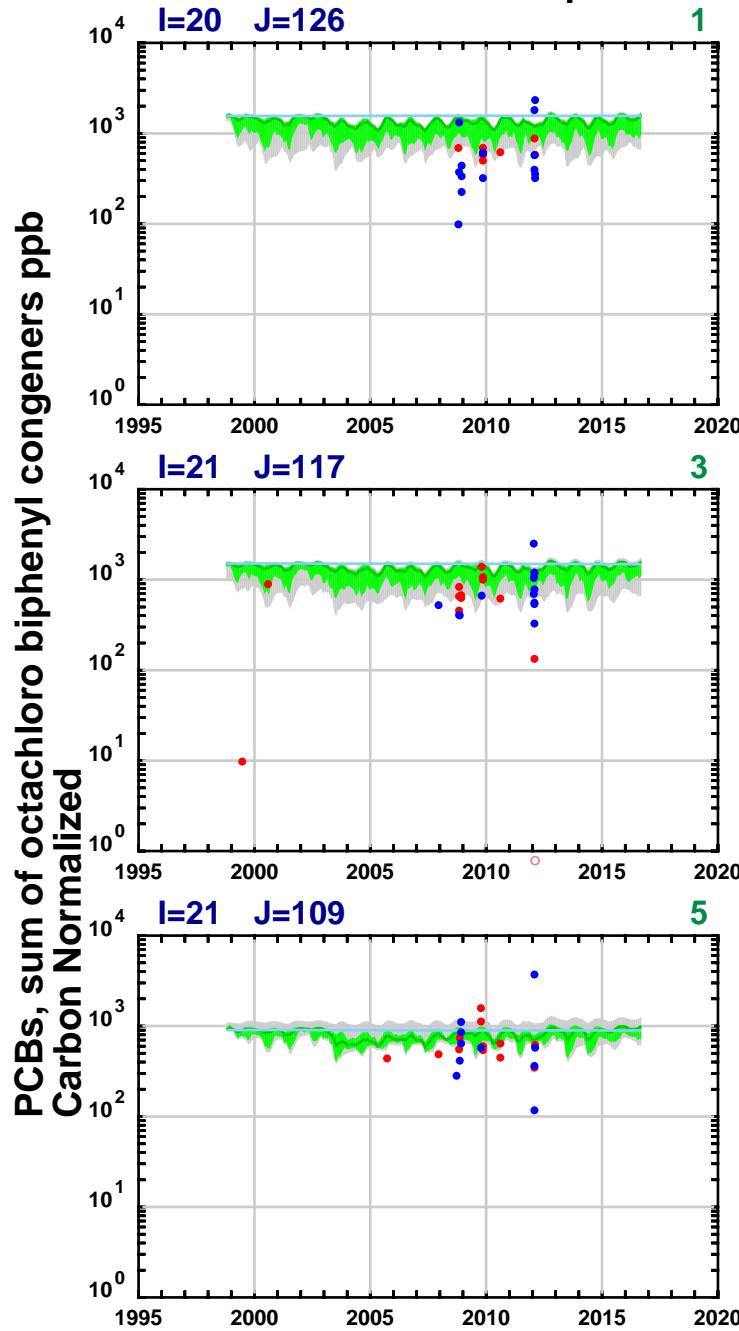
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

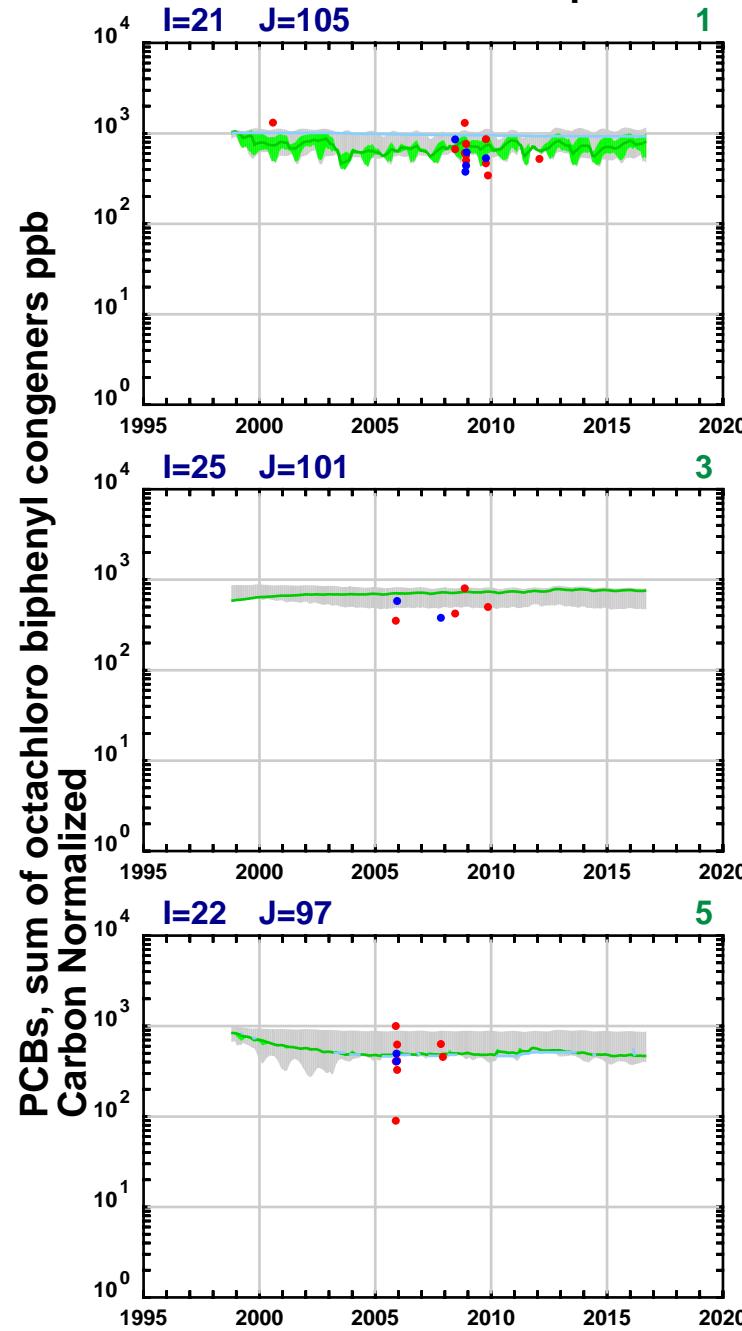


RUN18

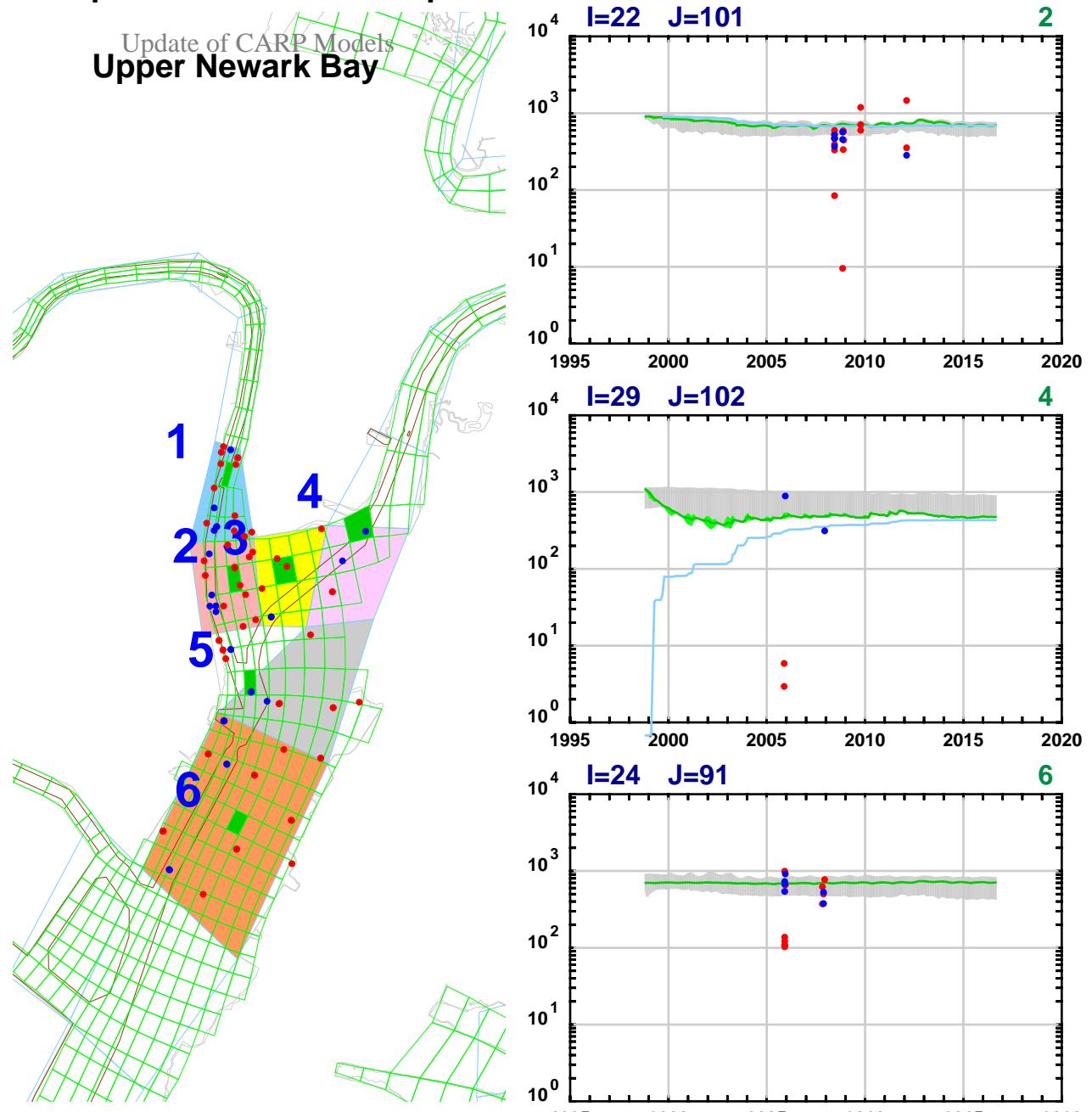
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Upper Newark Bay

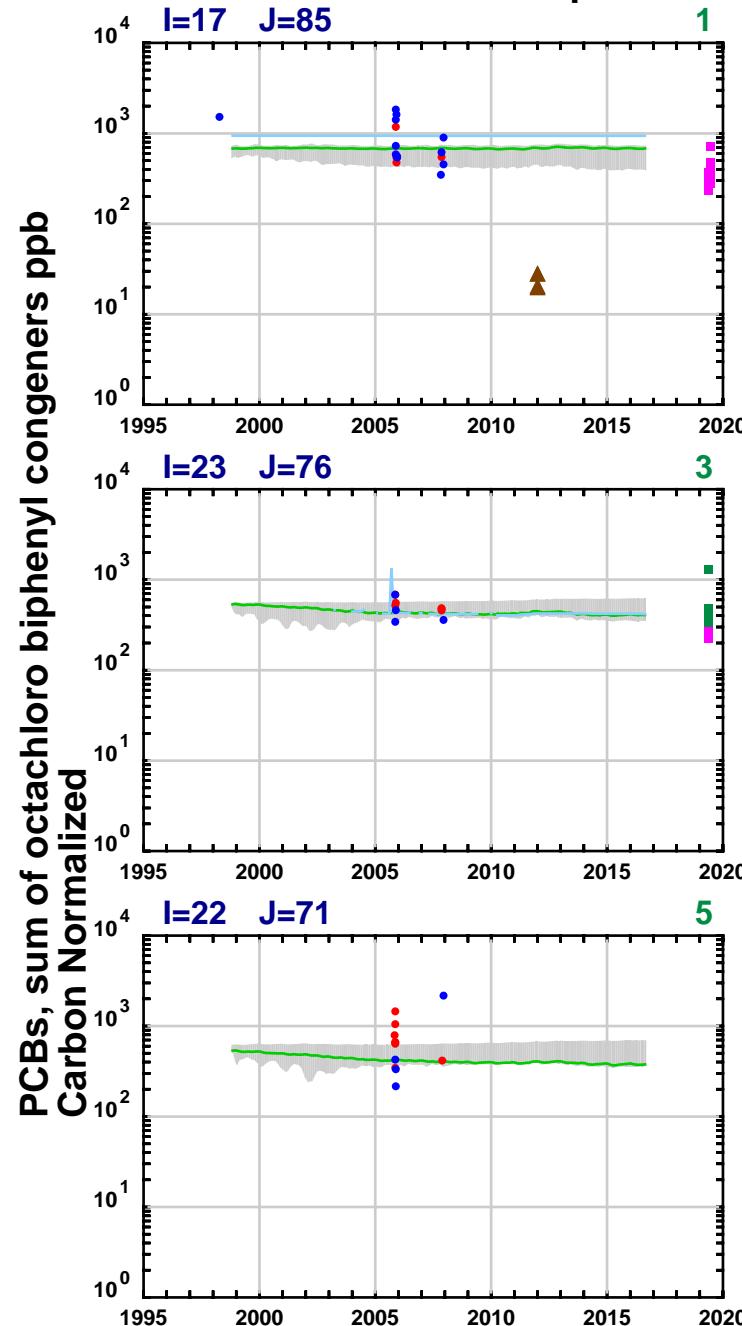


RUN18

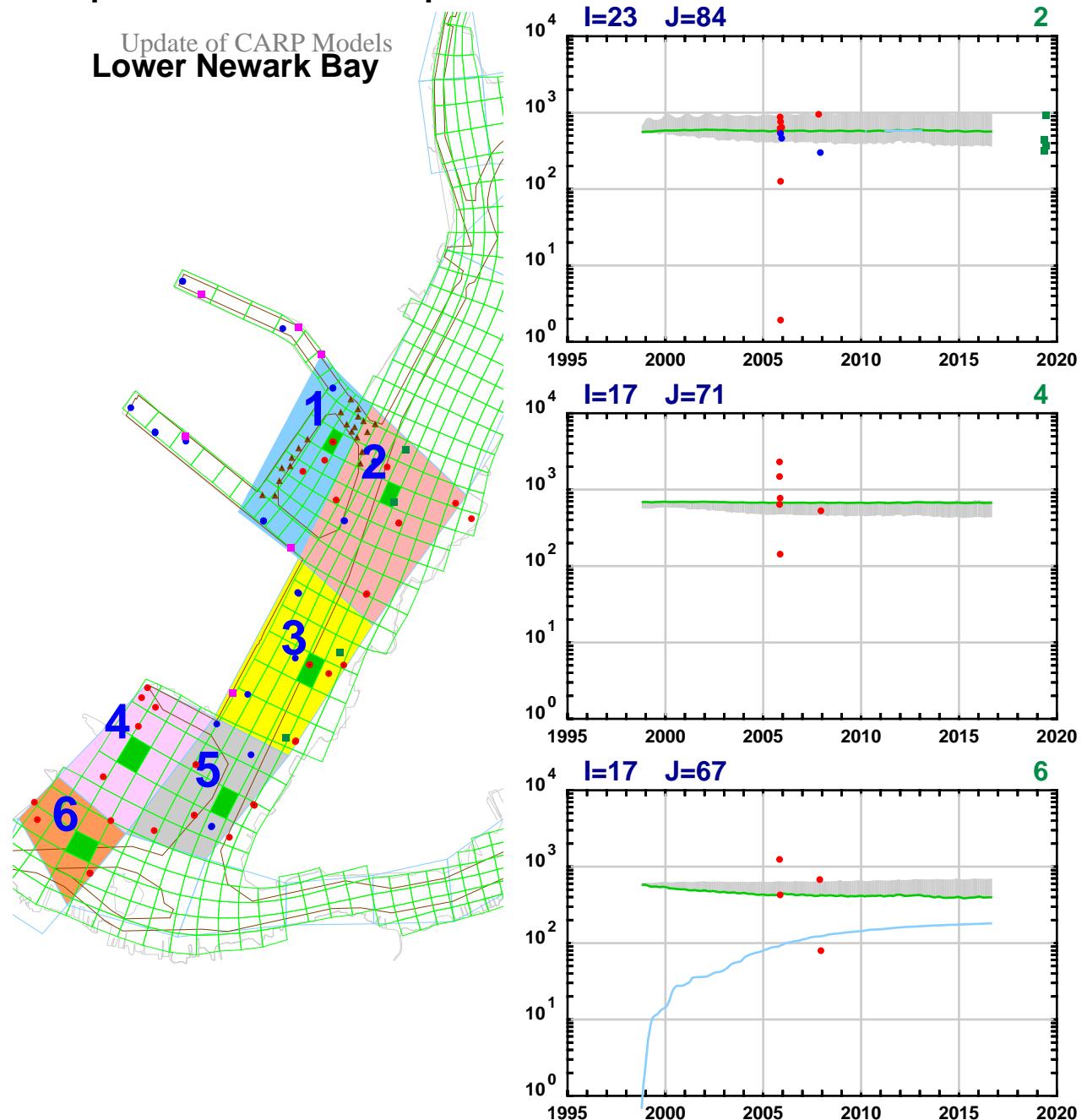
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay



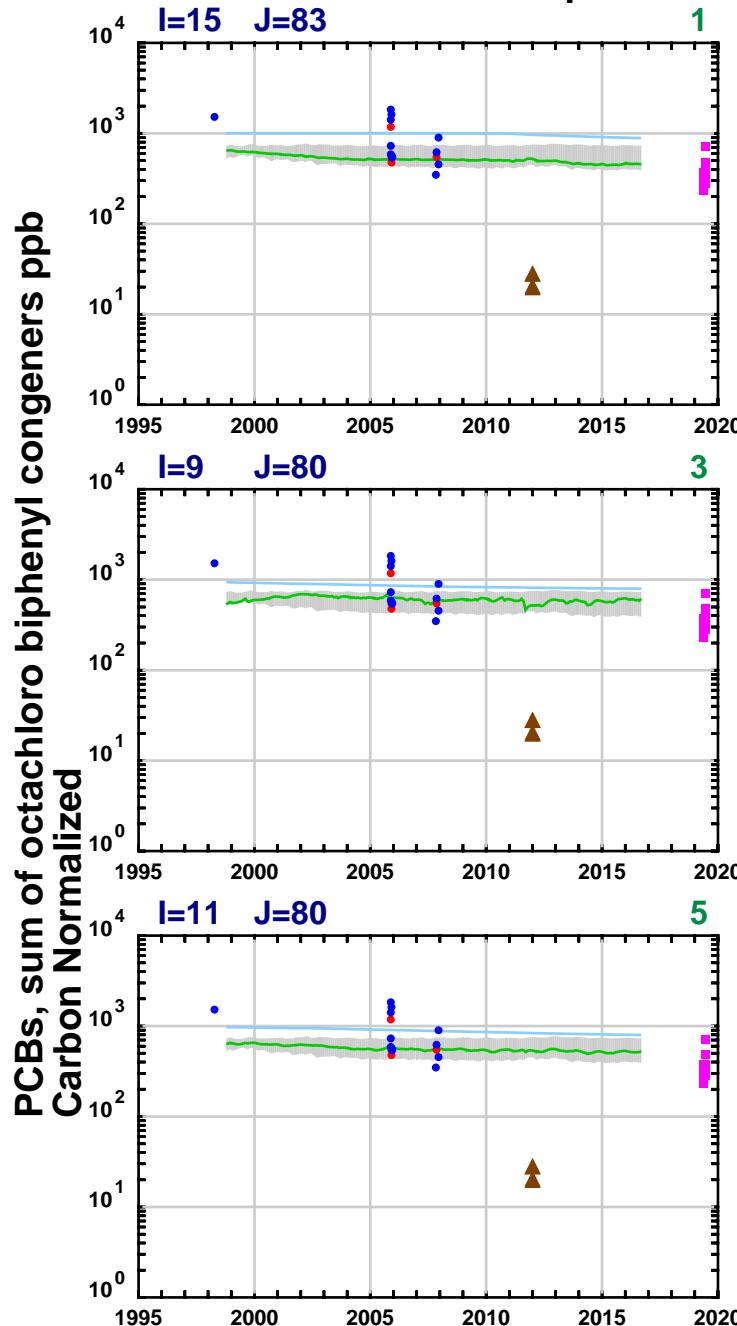
RUN18

Model: mean and range of values in top sediment

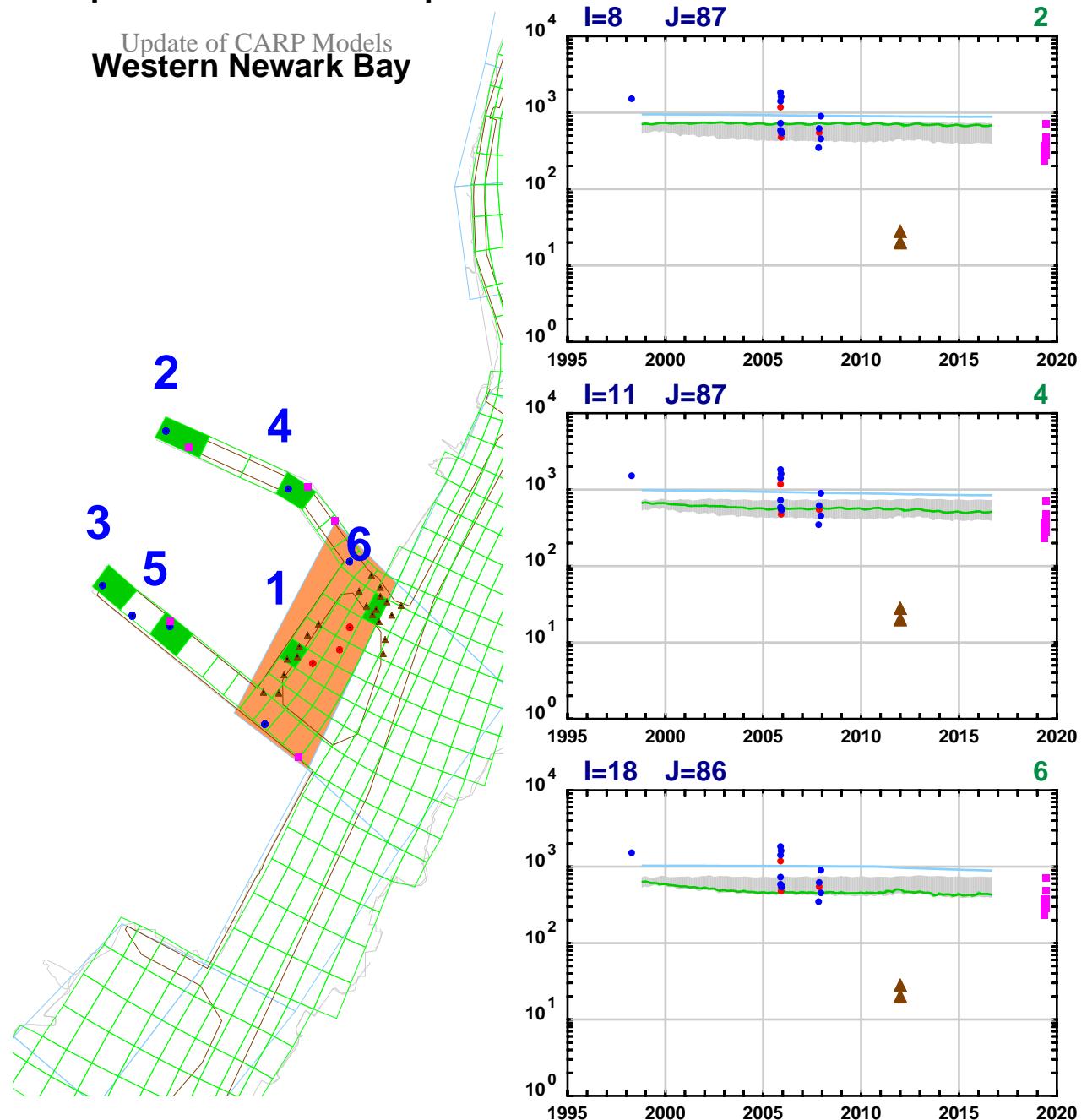
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay

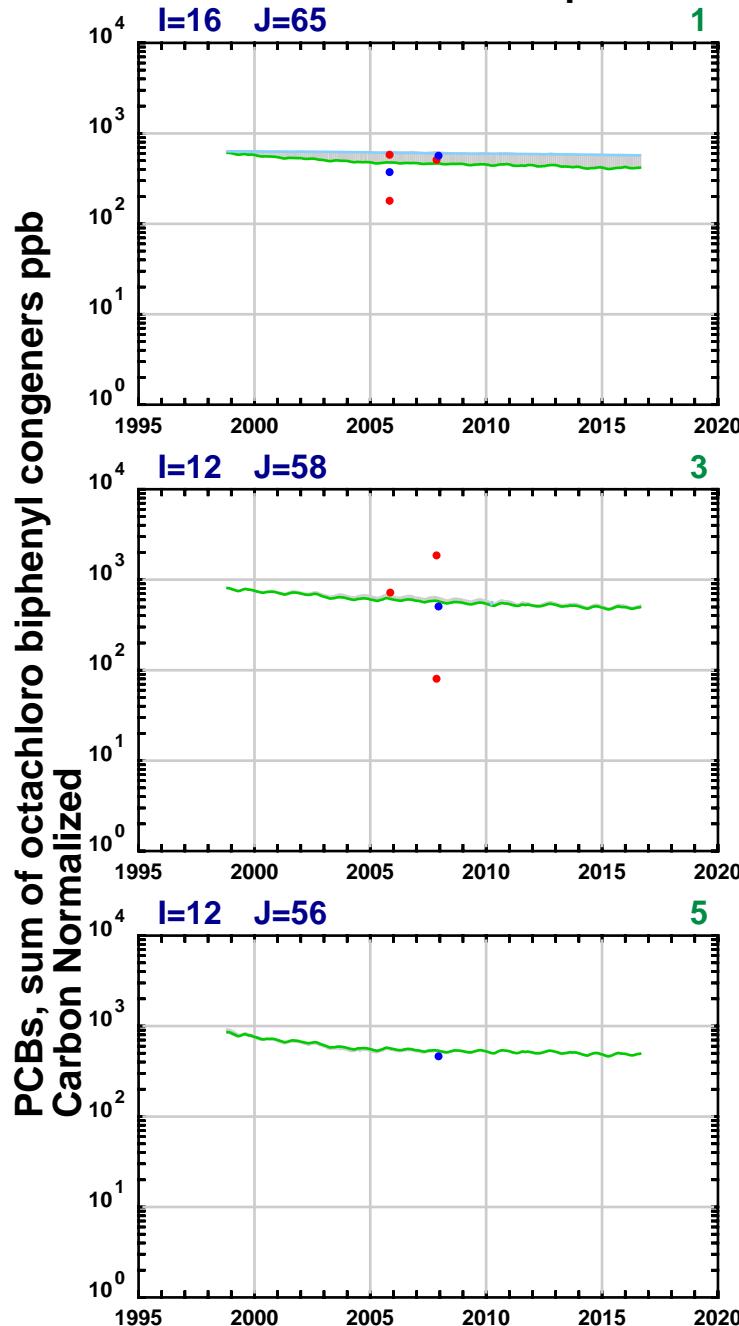


RUN18

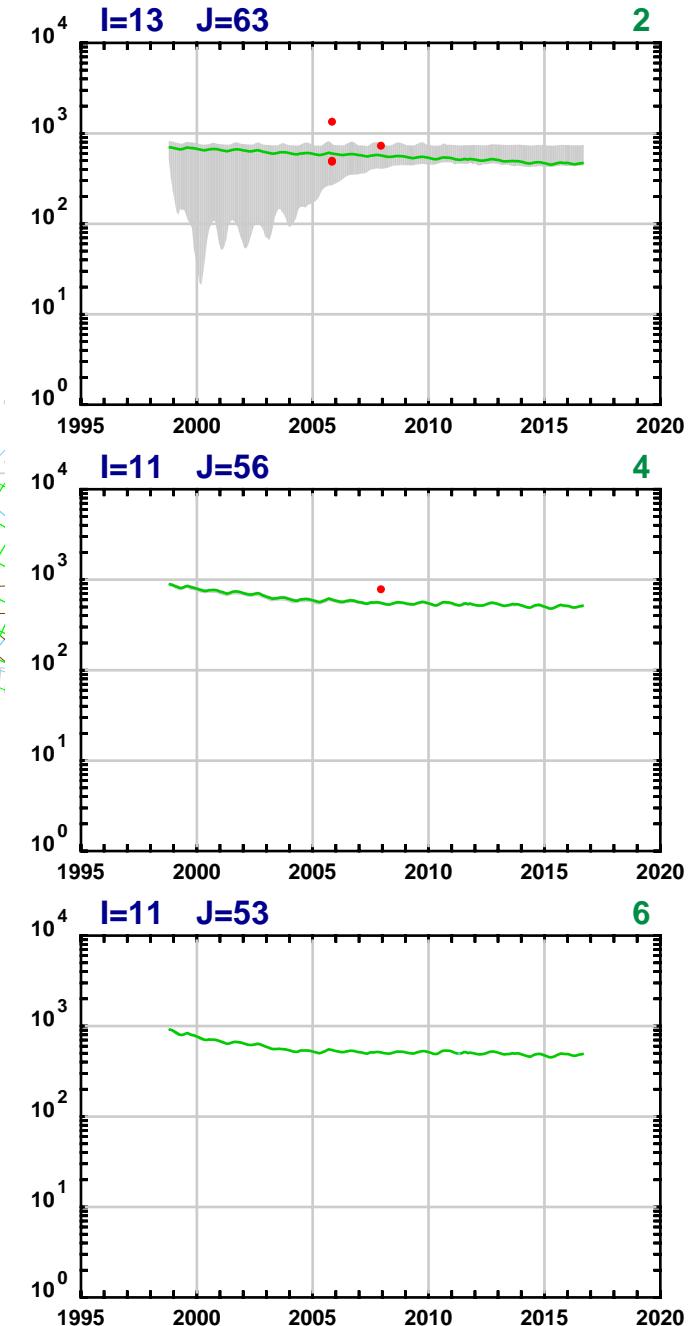
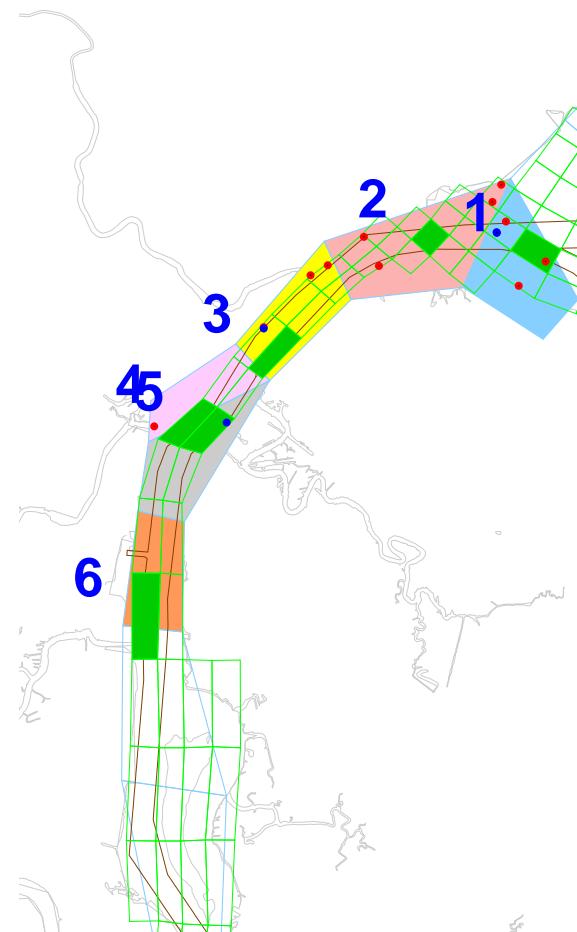
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1

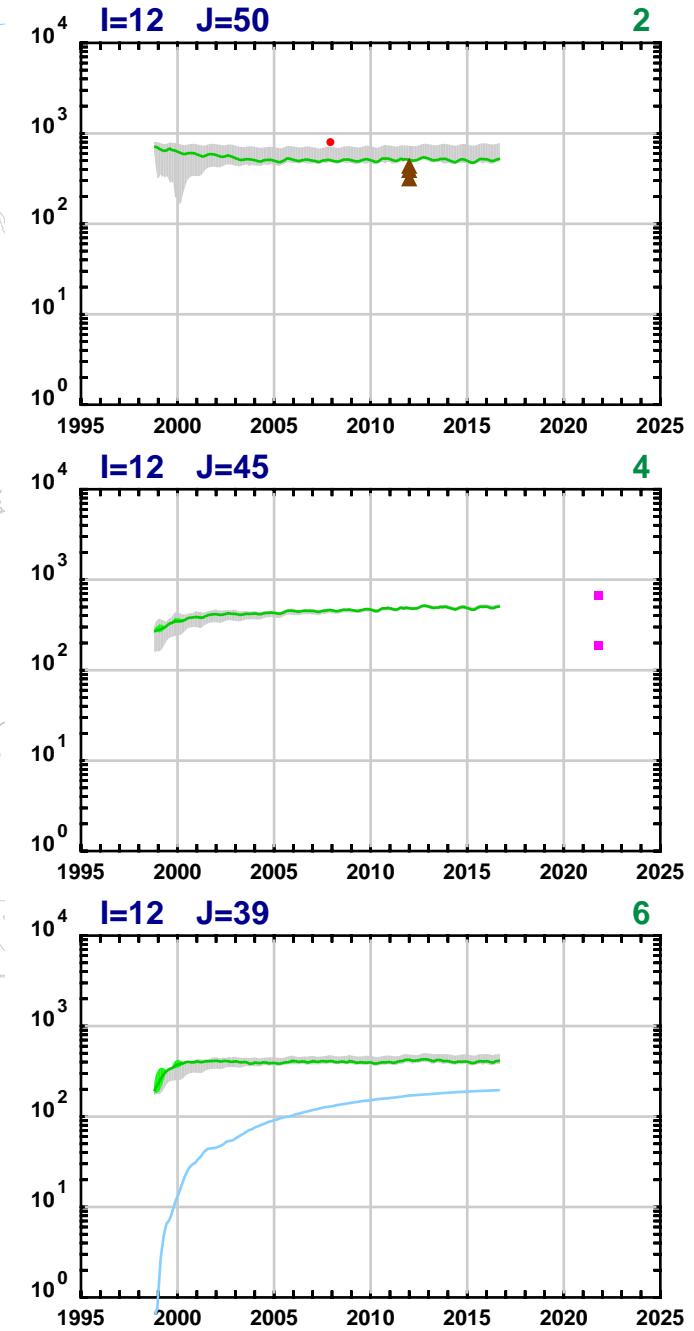
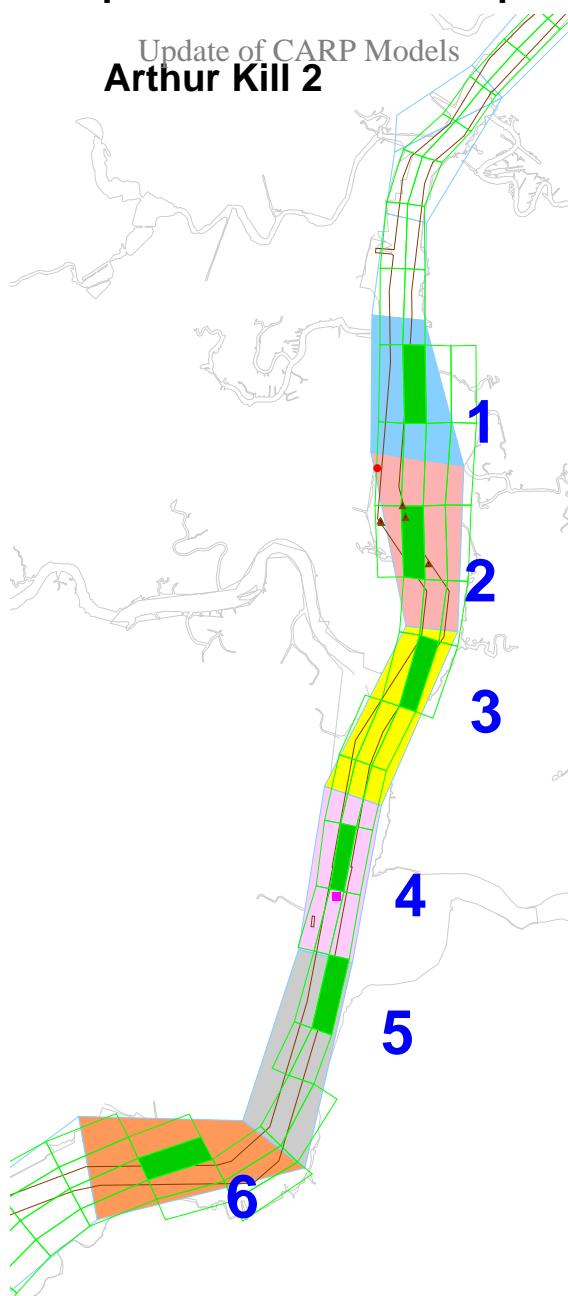
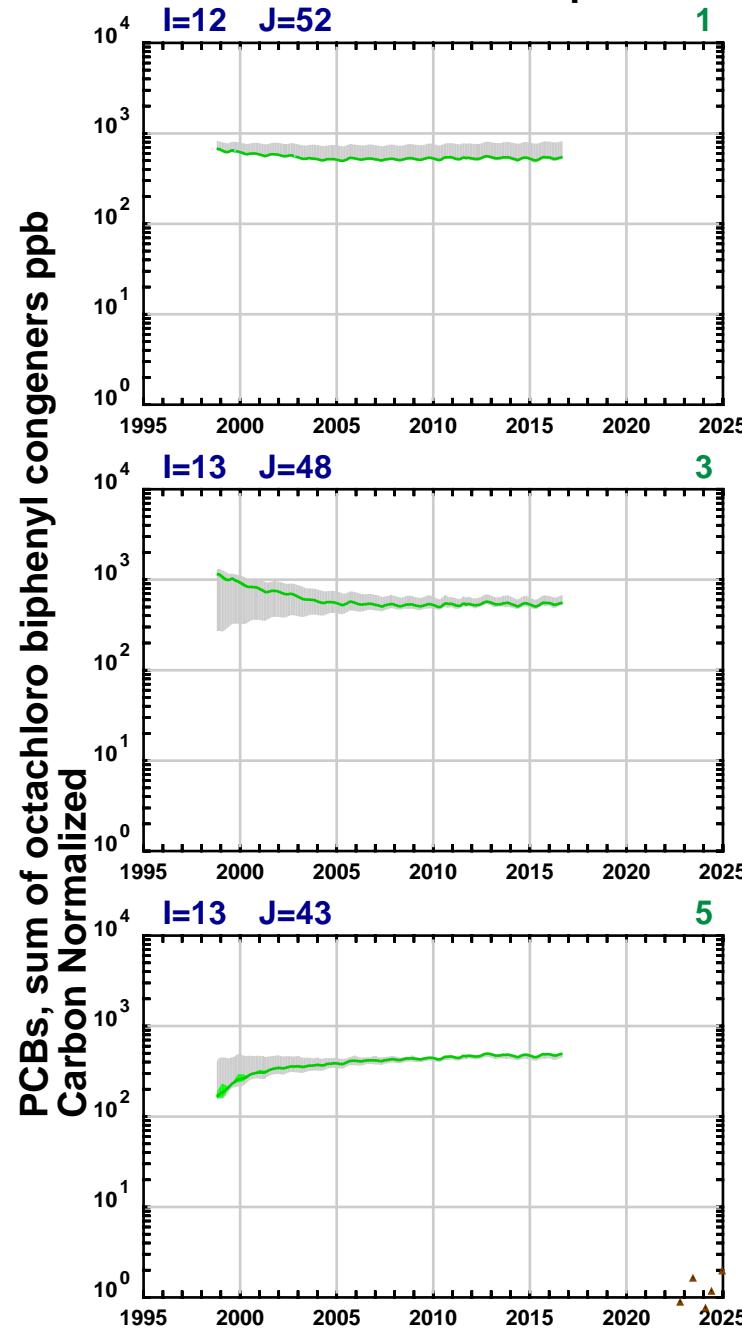


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

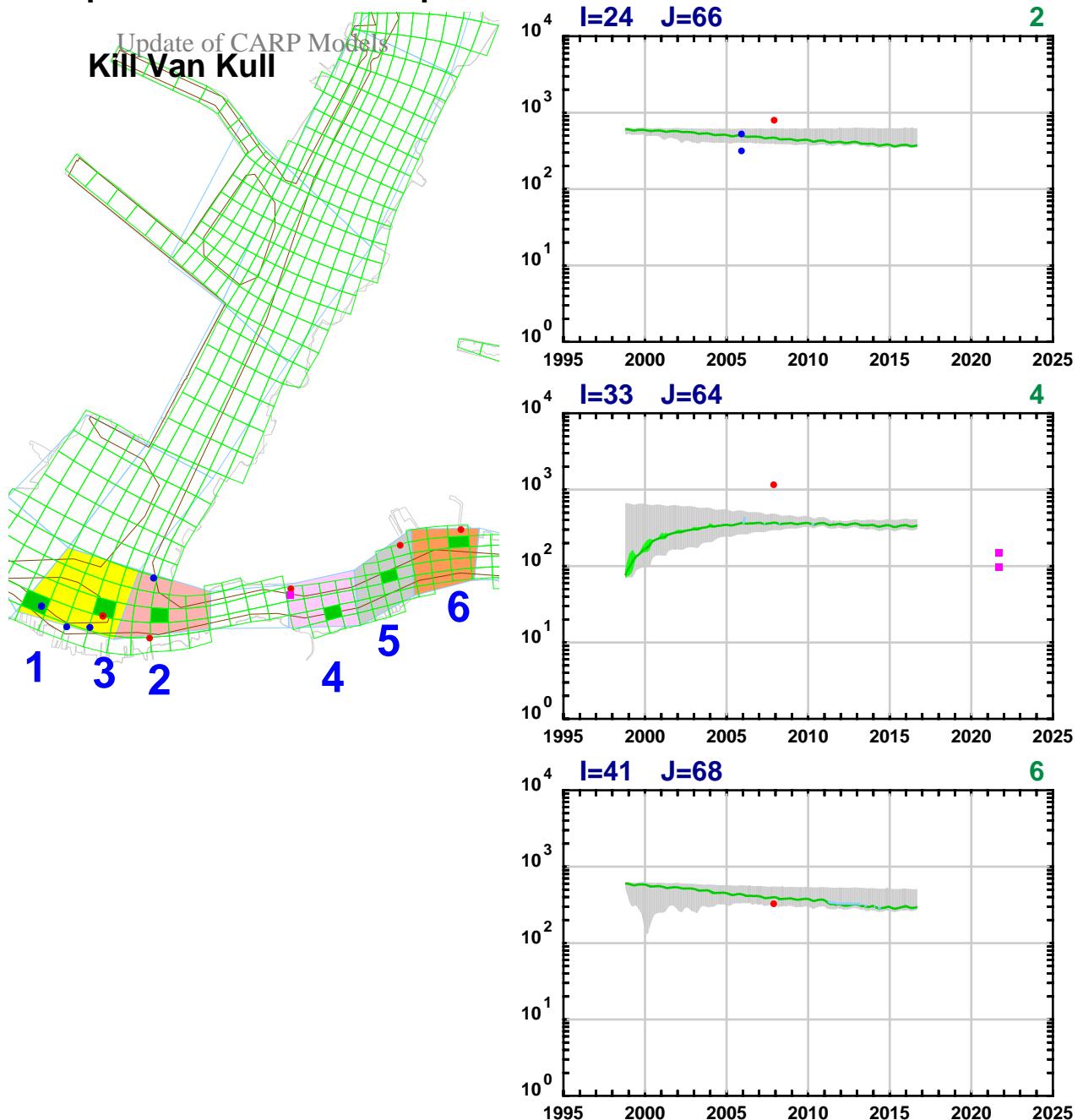
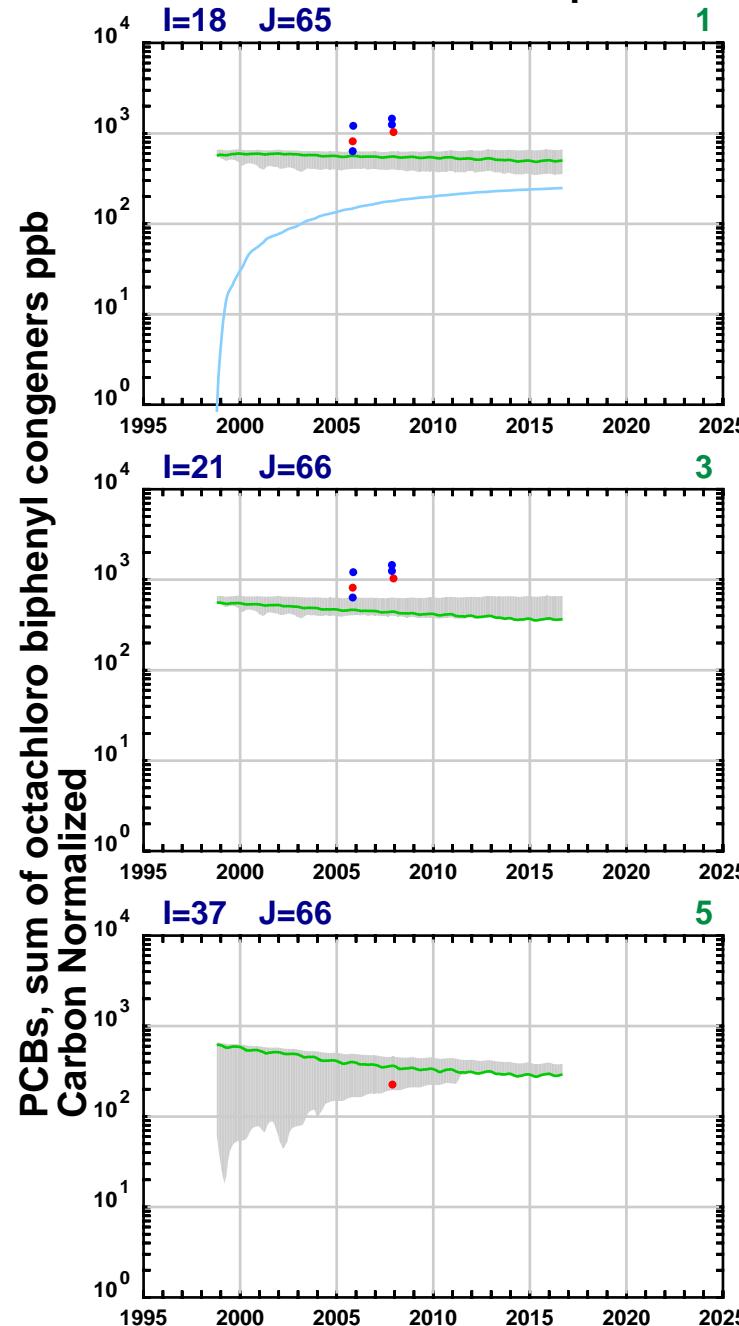


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

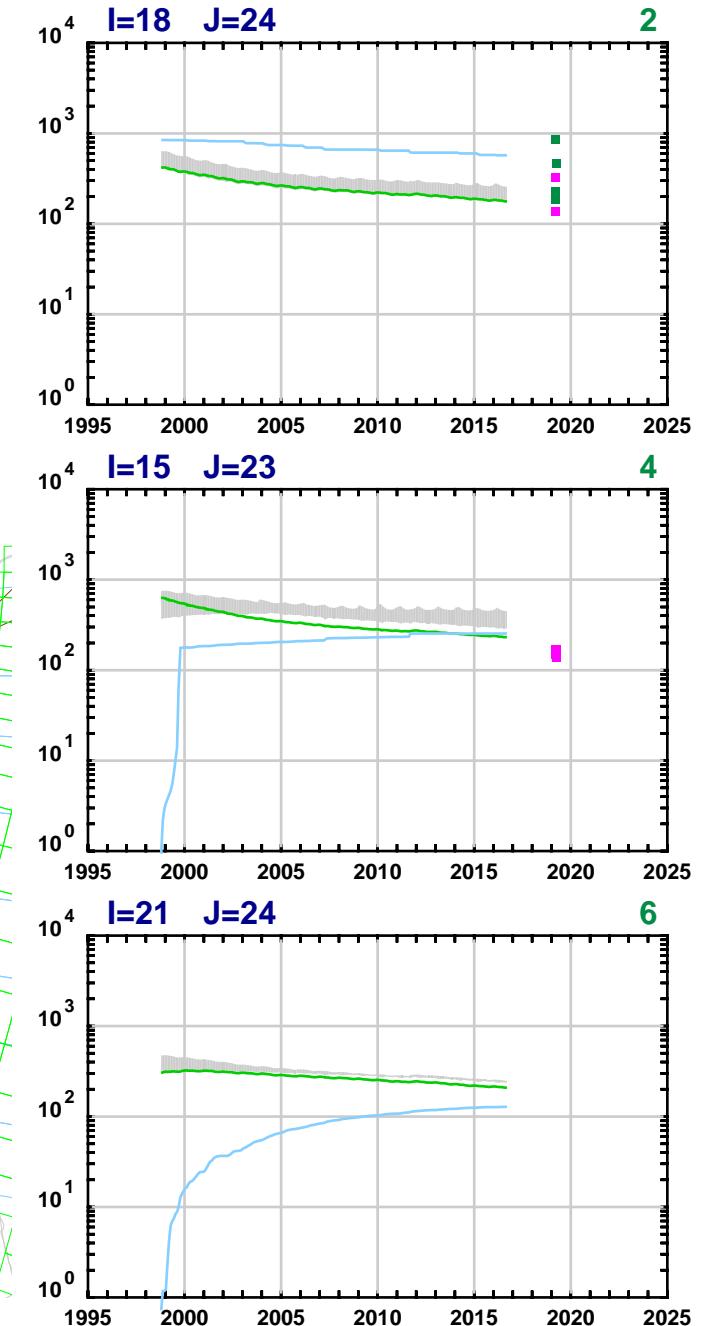
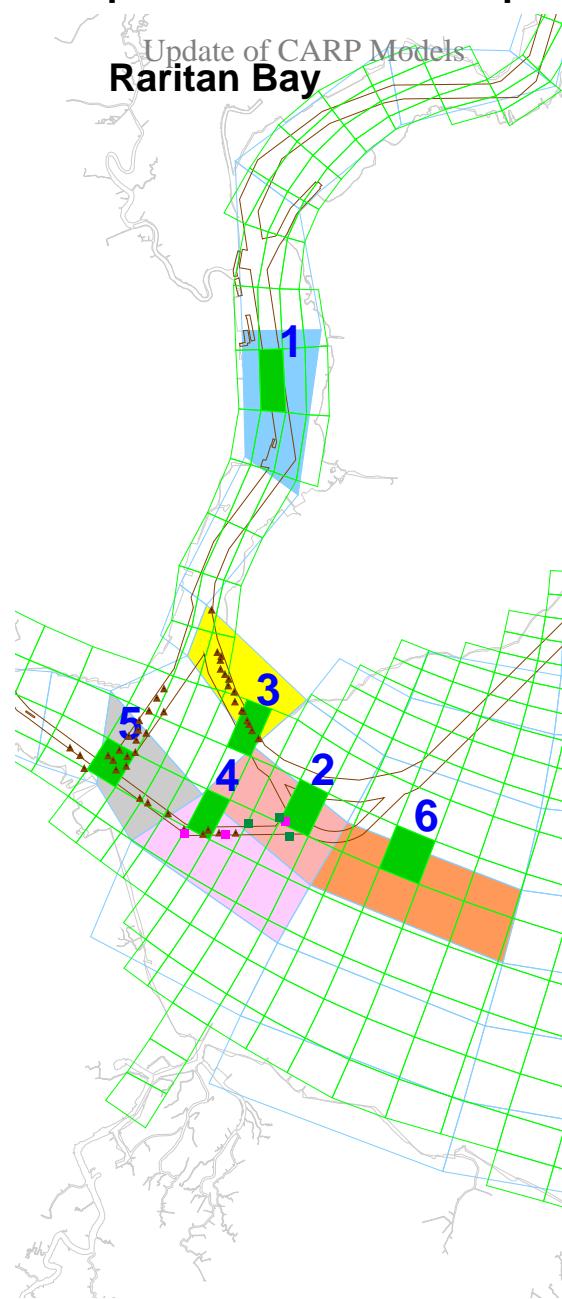
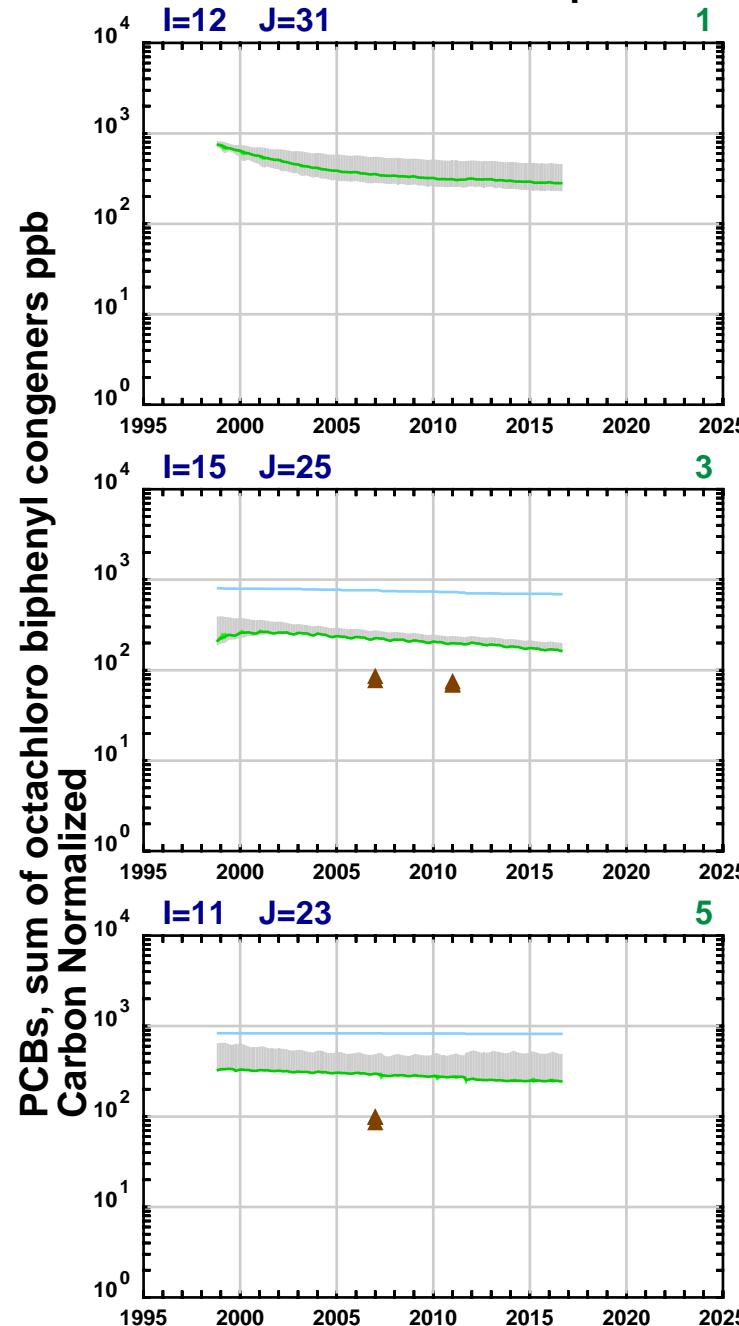


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



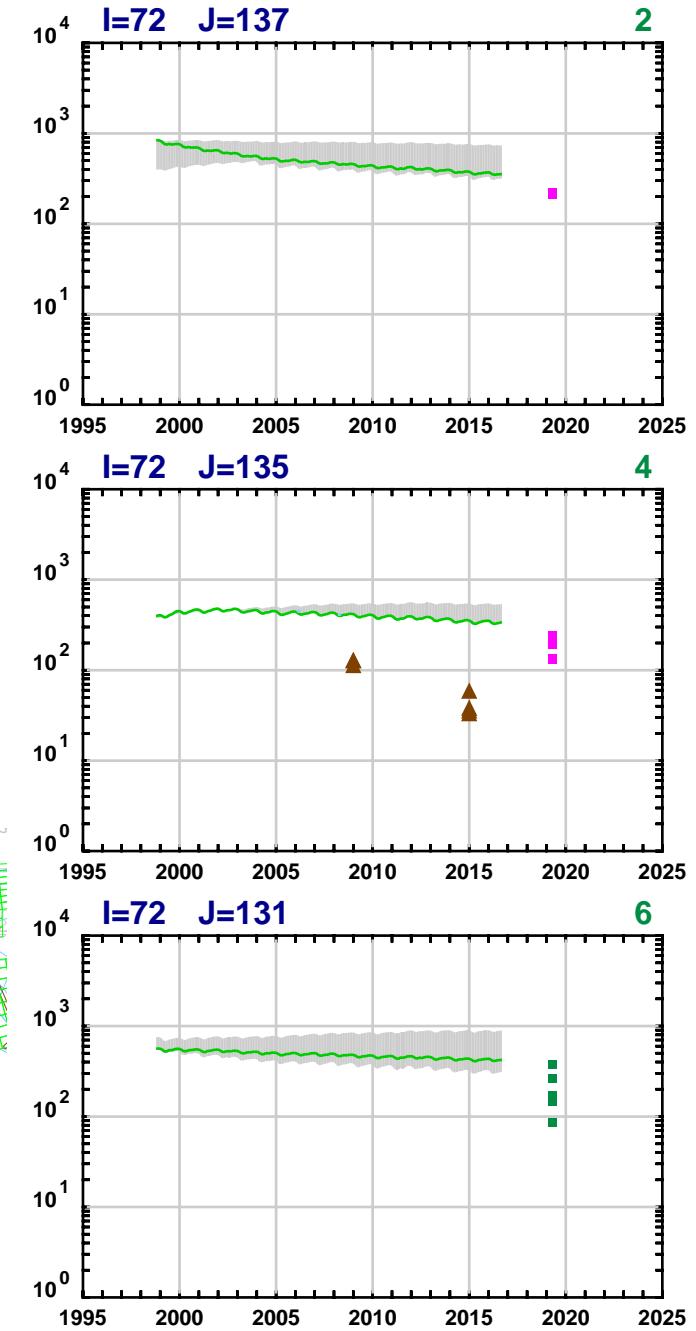
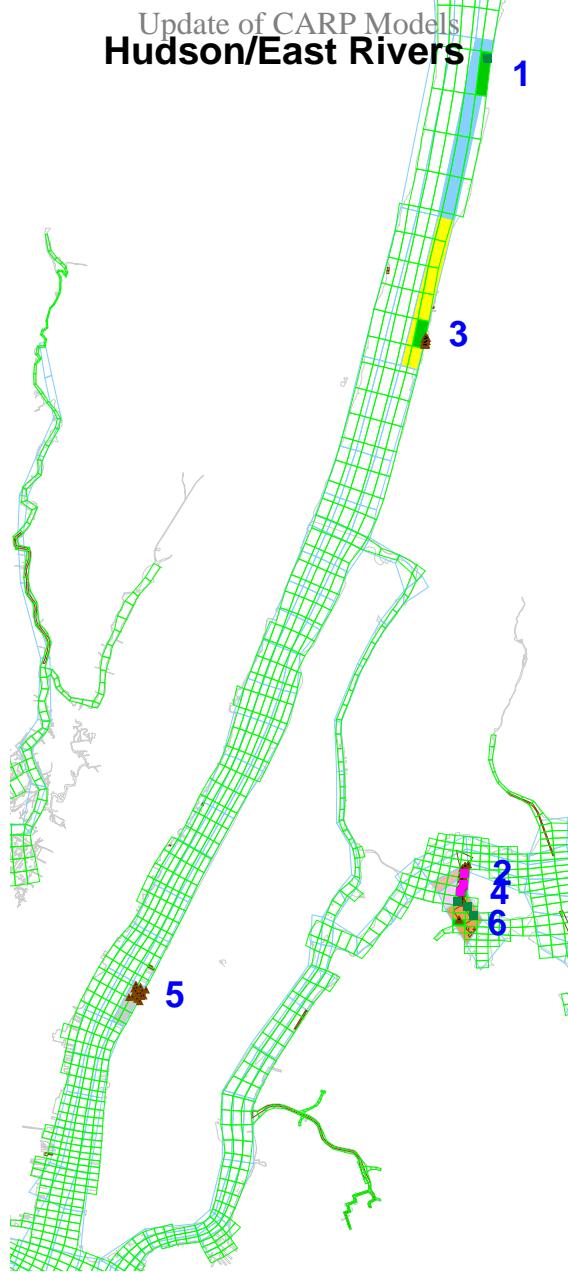
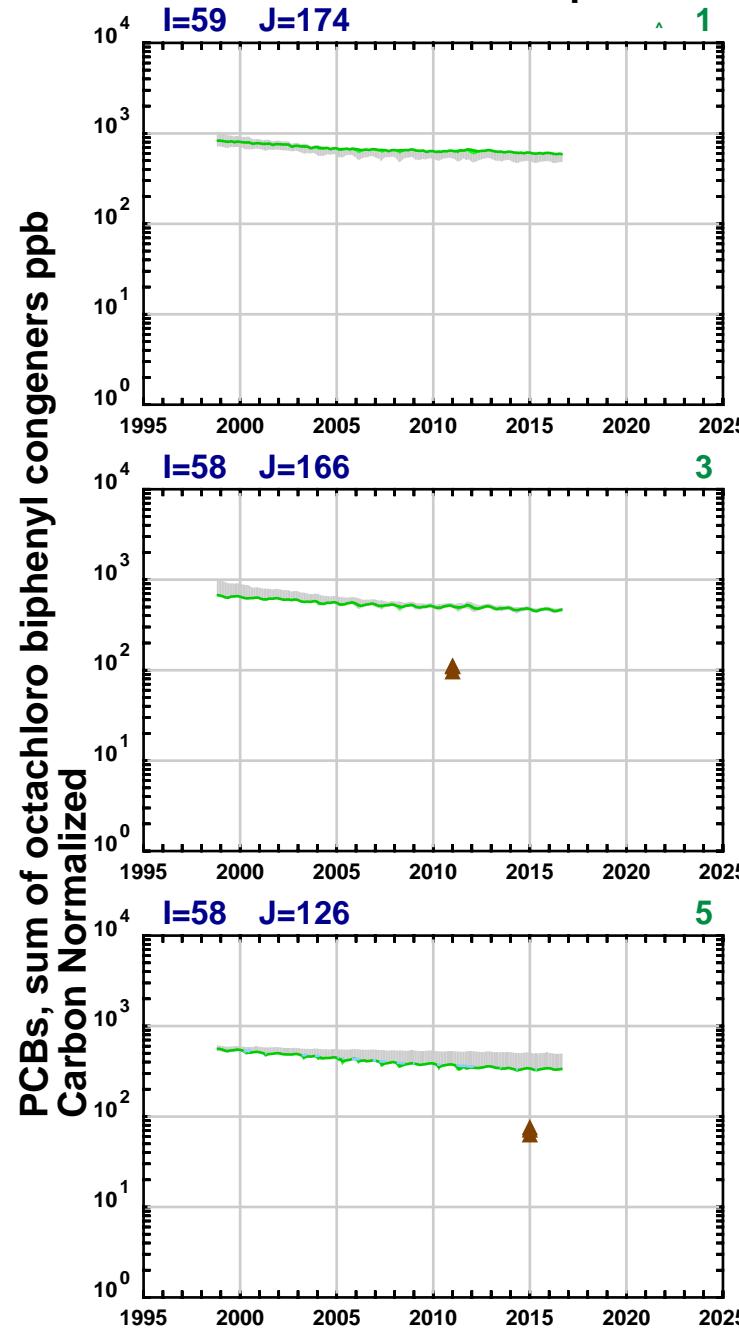
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

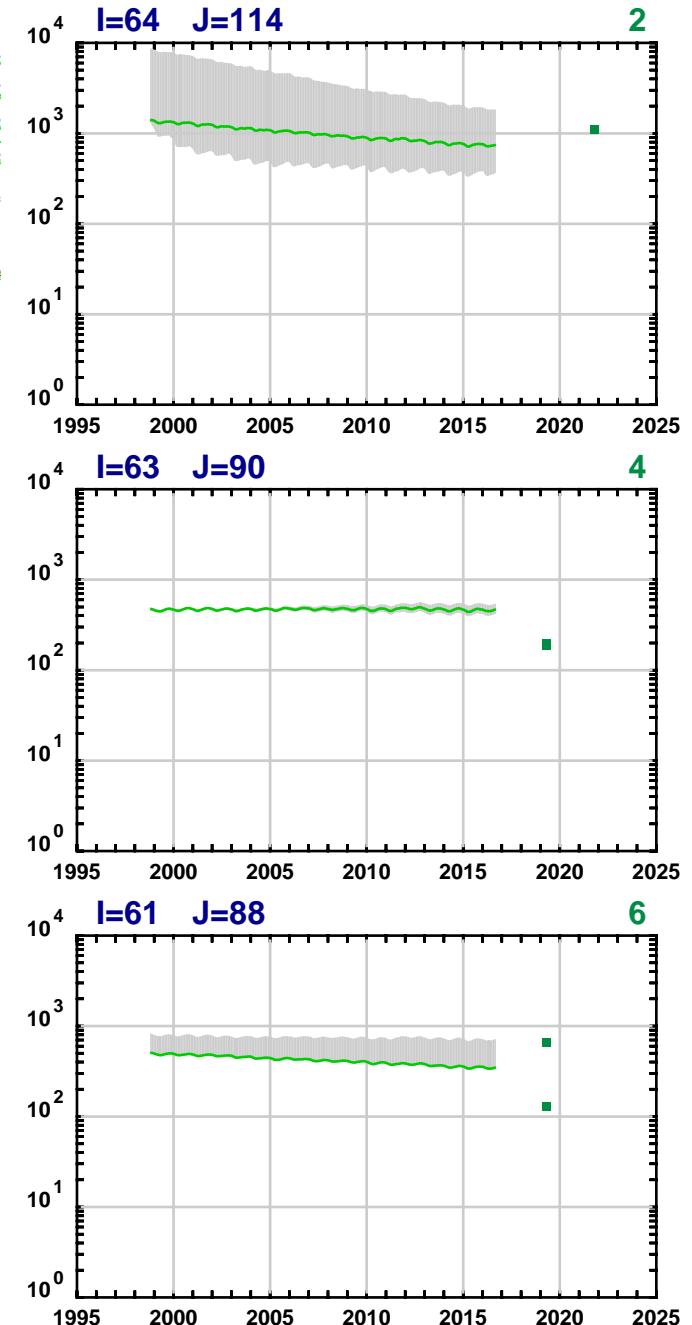
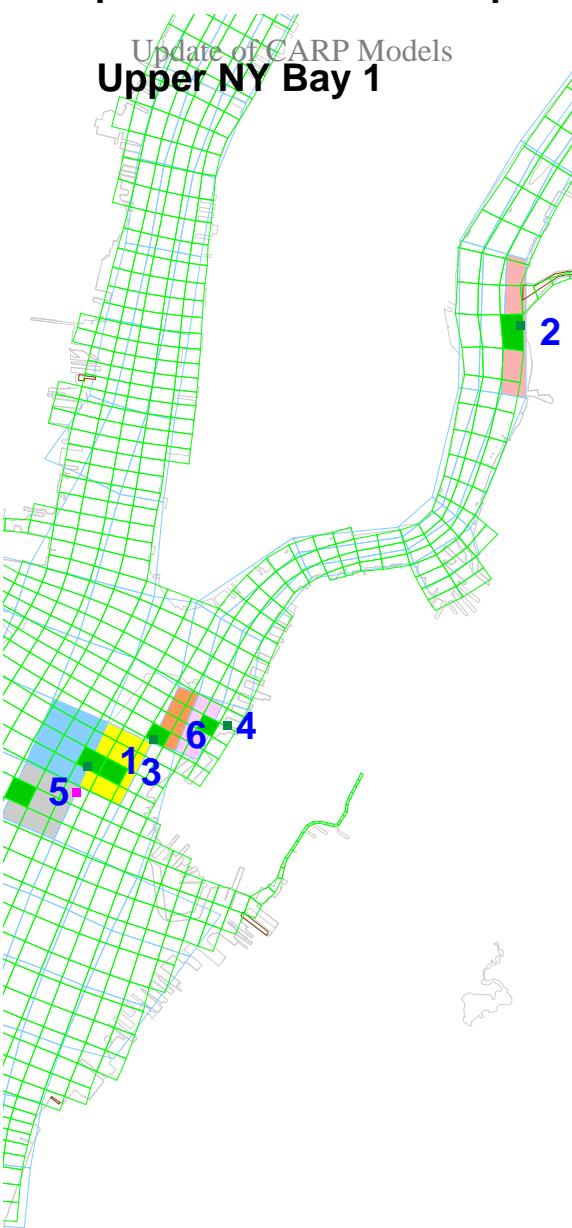
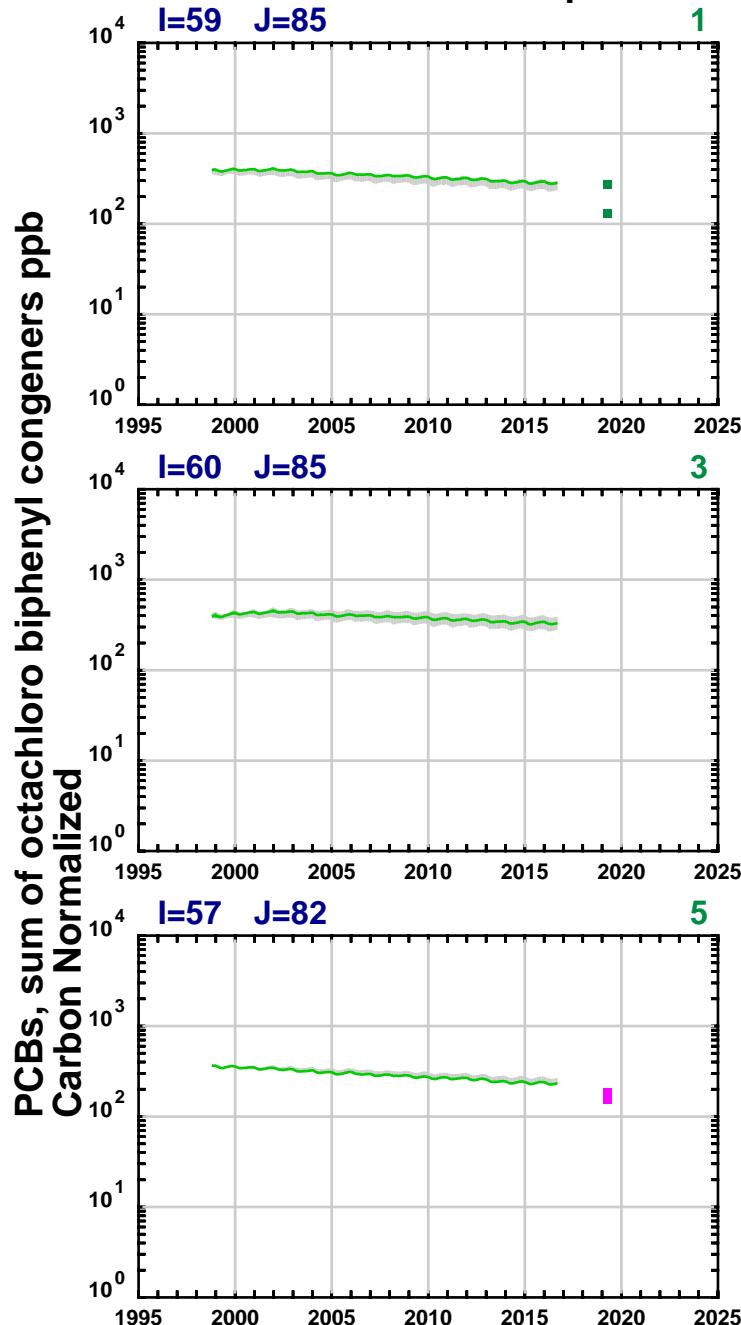


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

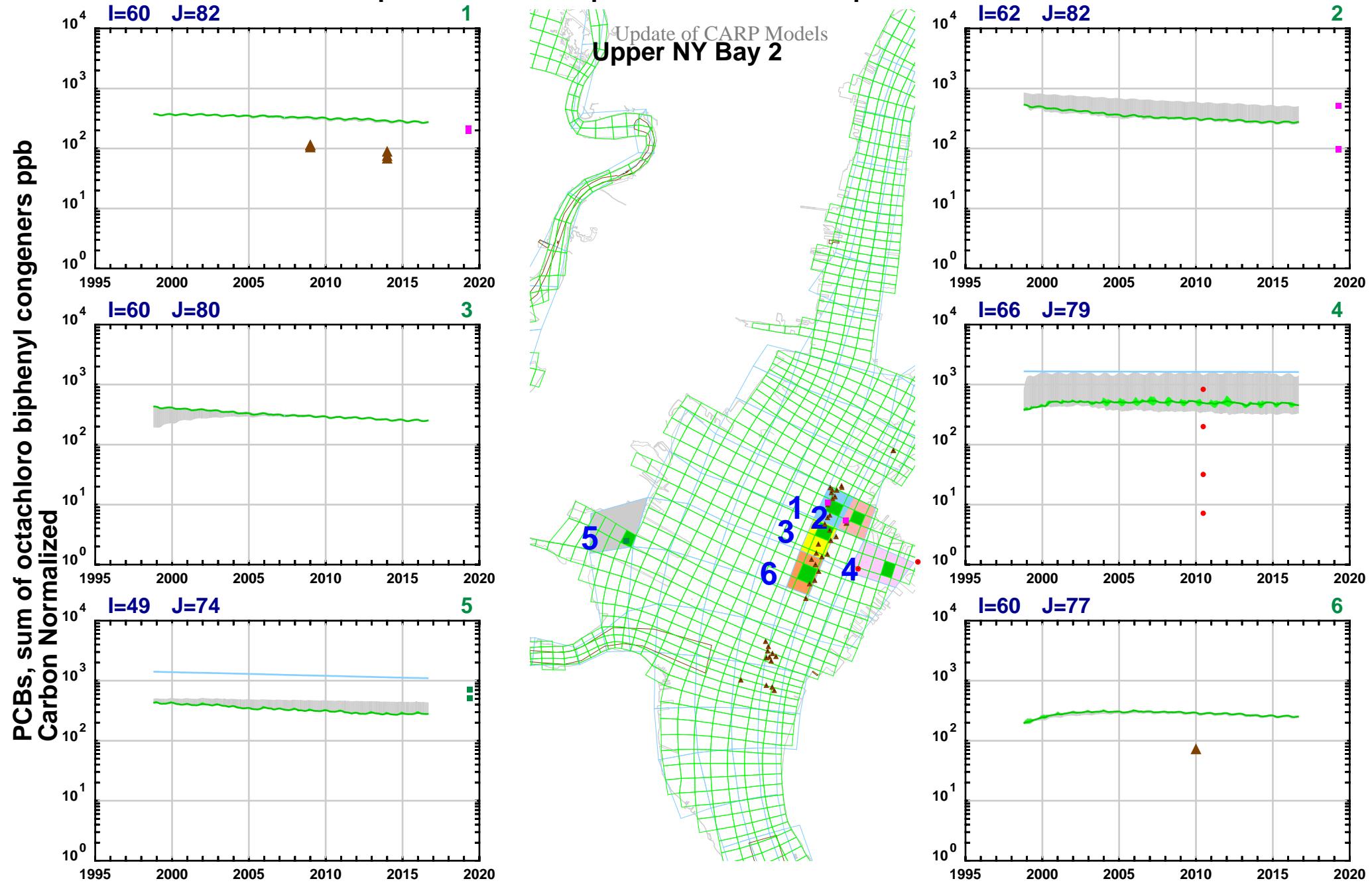


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



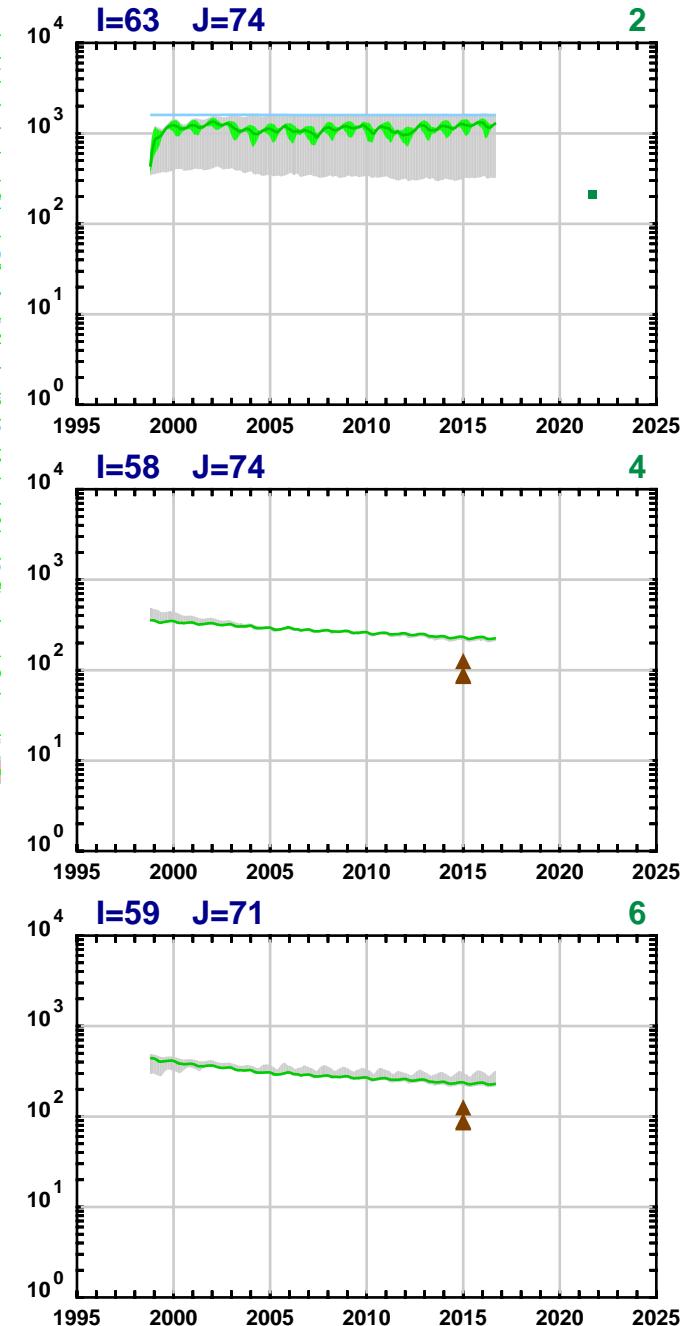
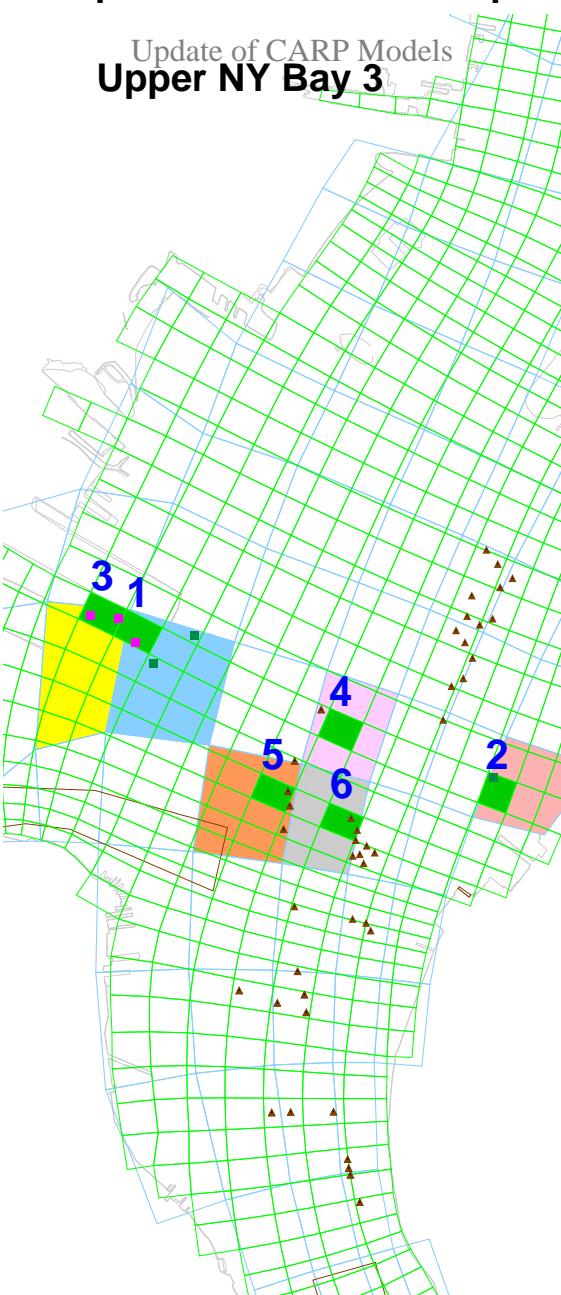
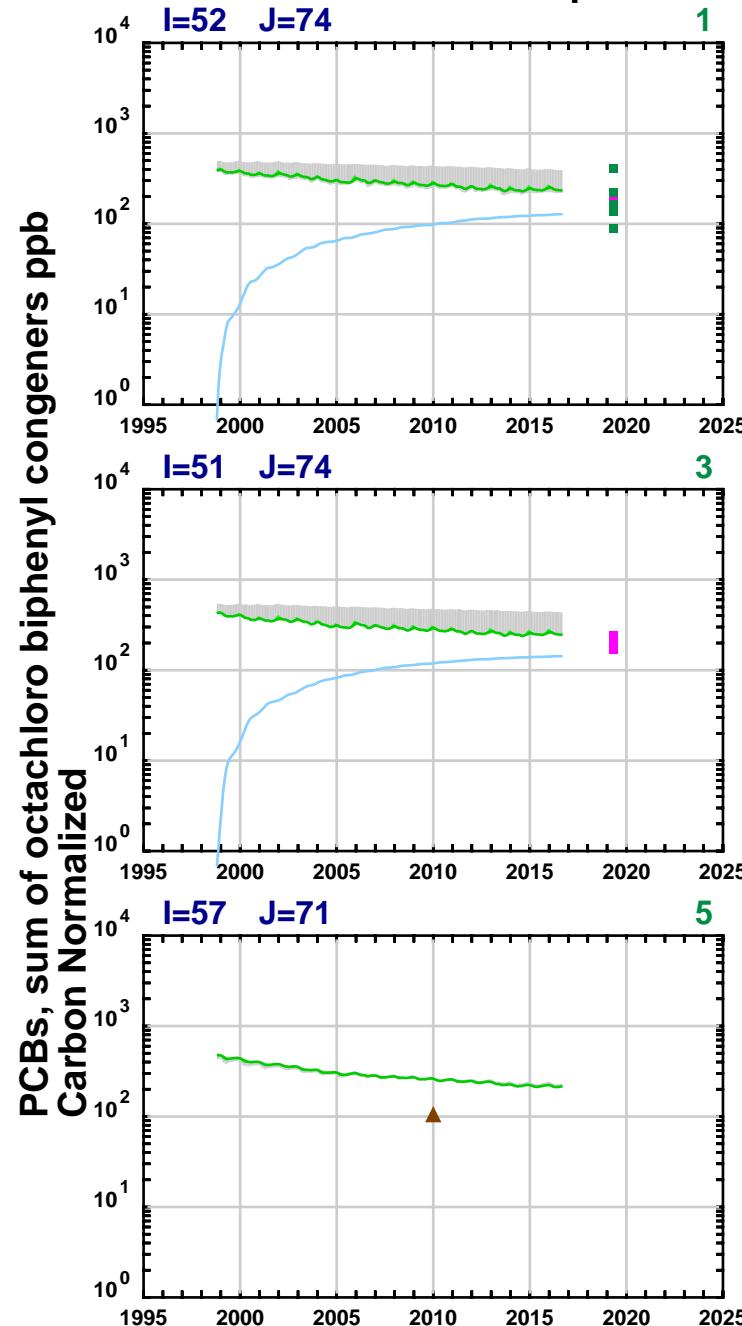
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



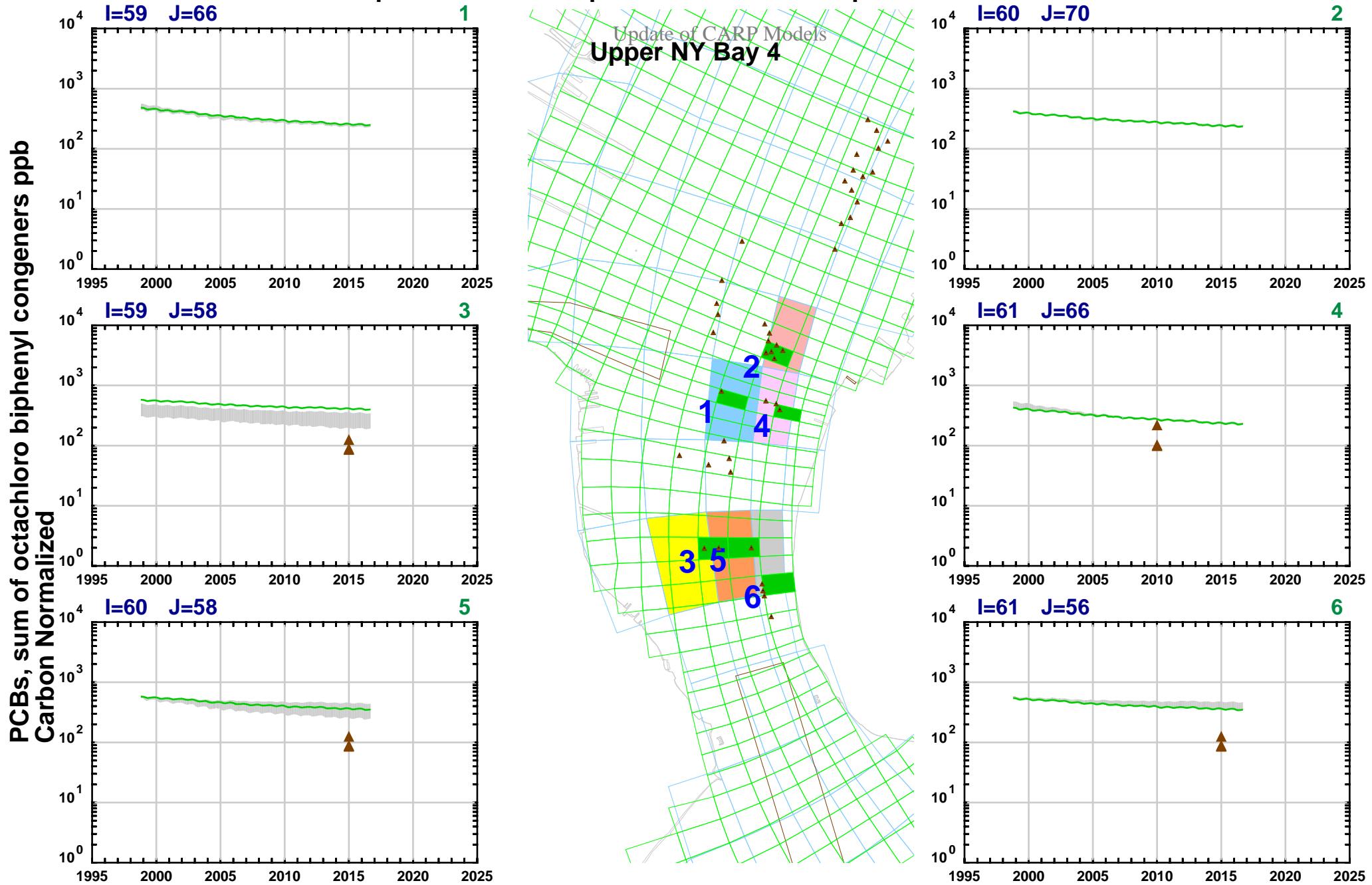
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

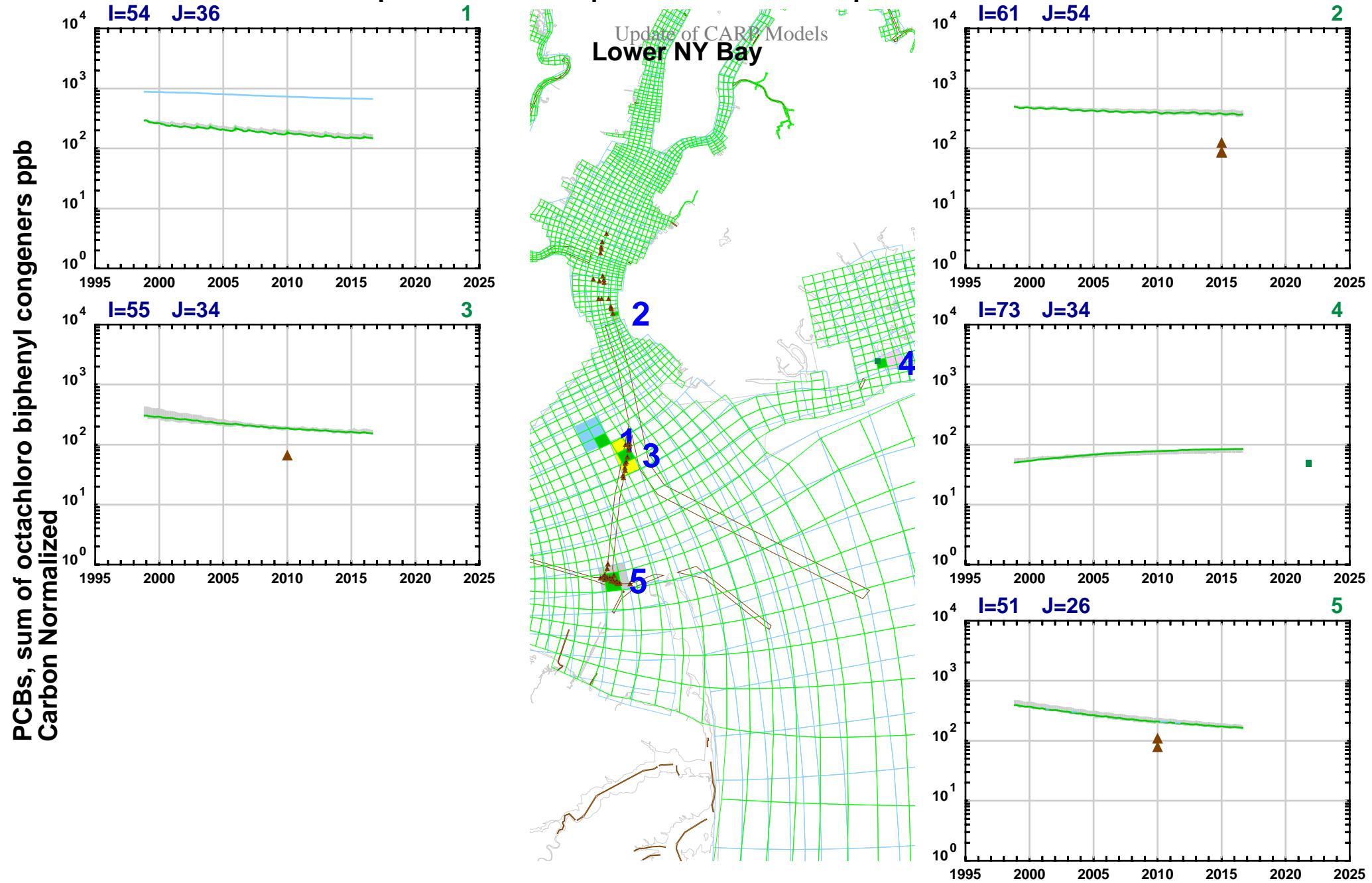
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

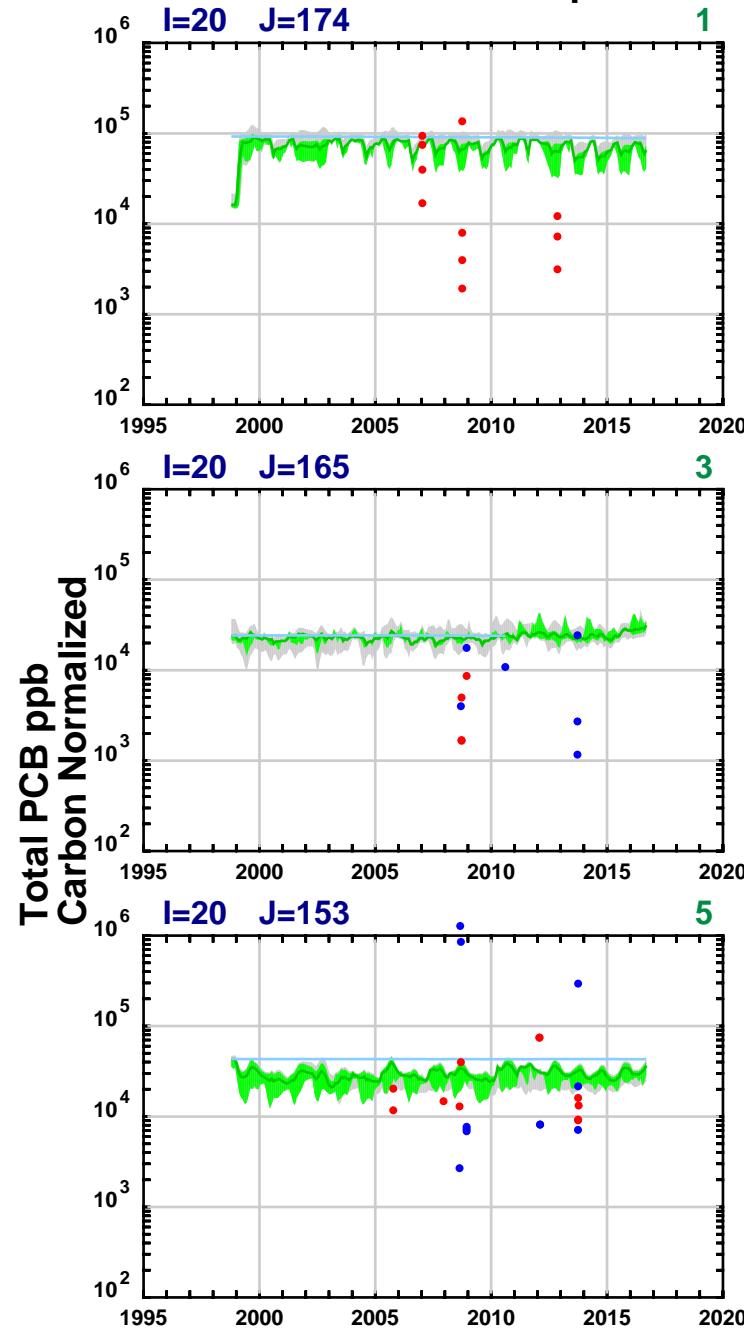


RUN18

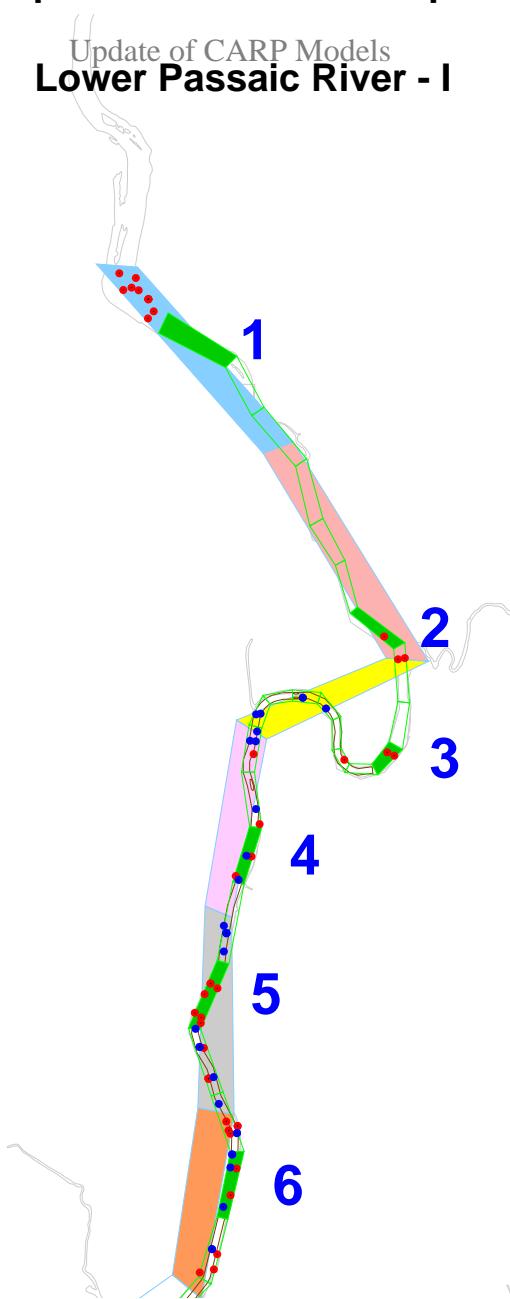
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Passaic River - I

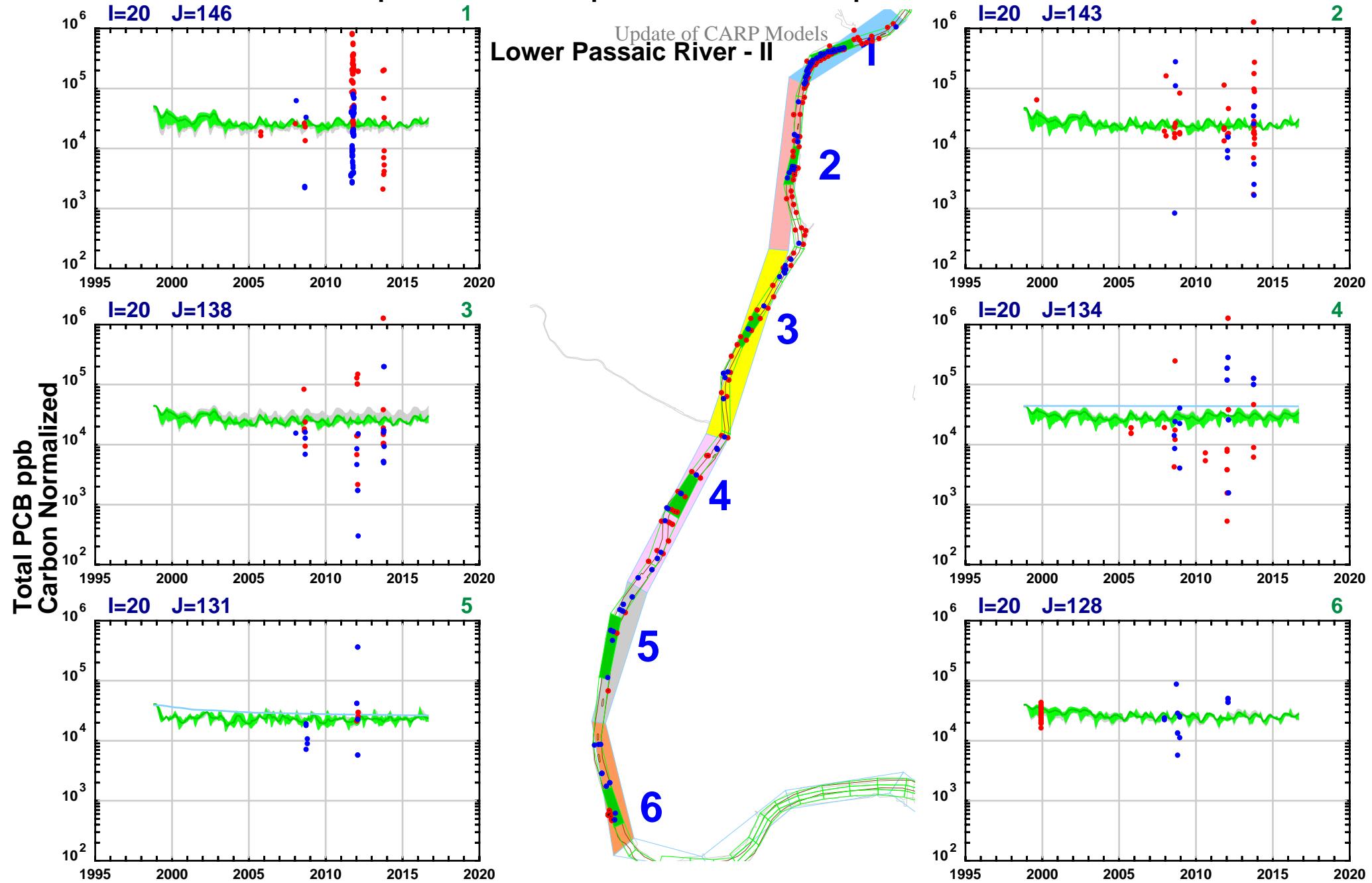


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



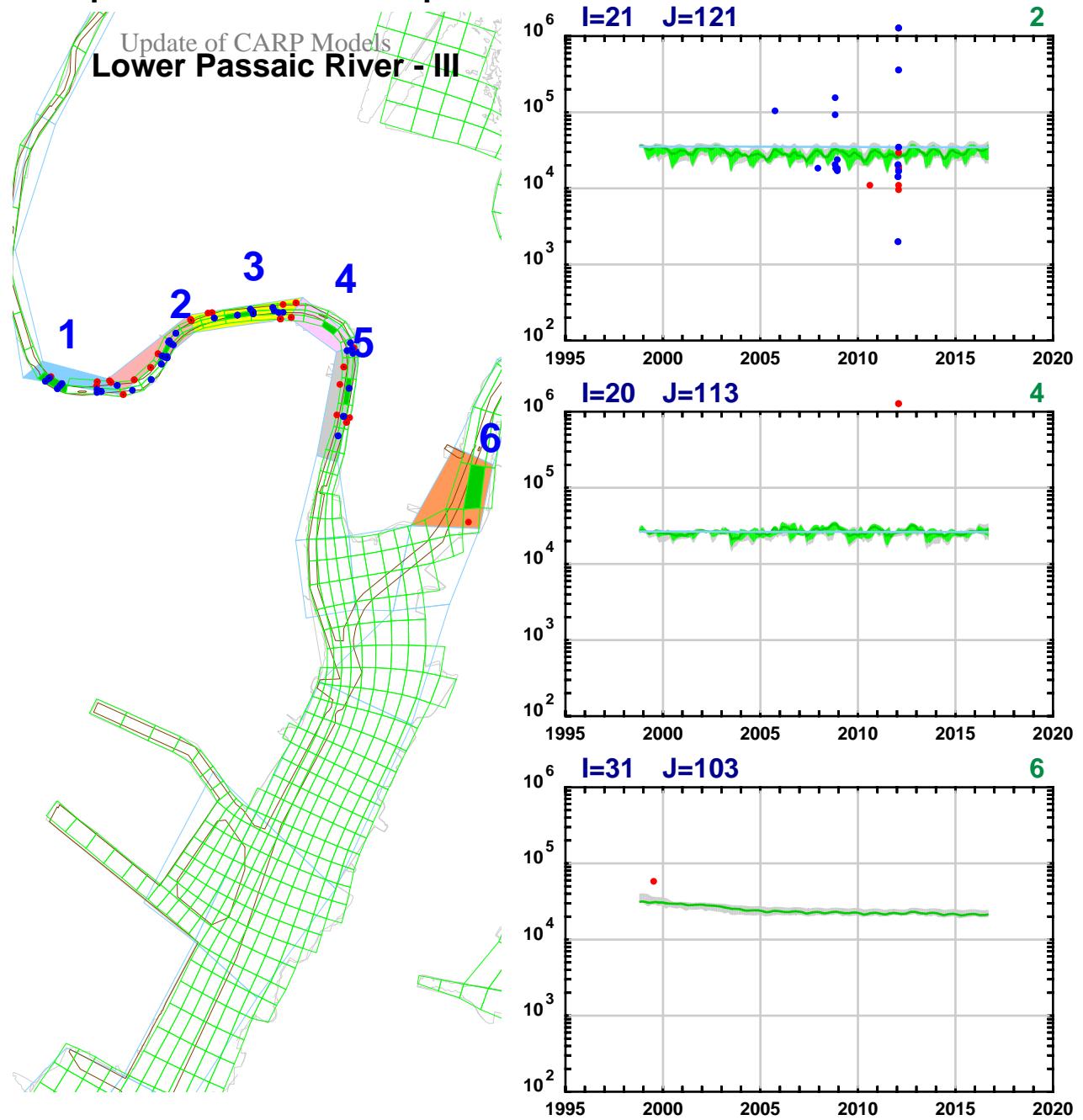
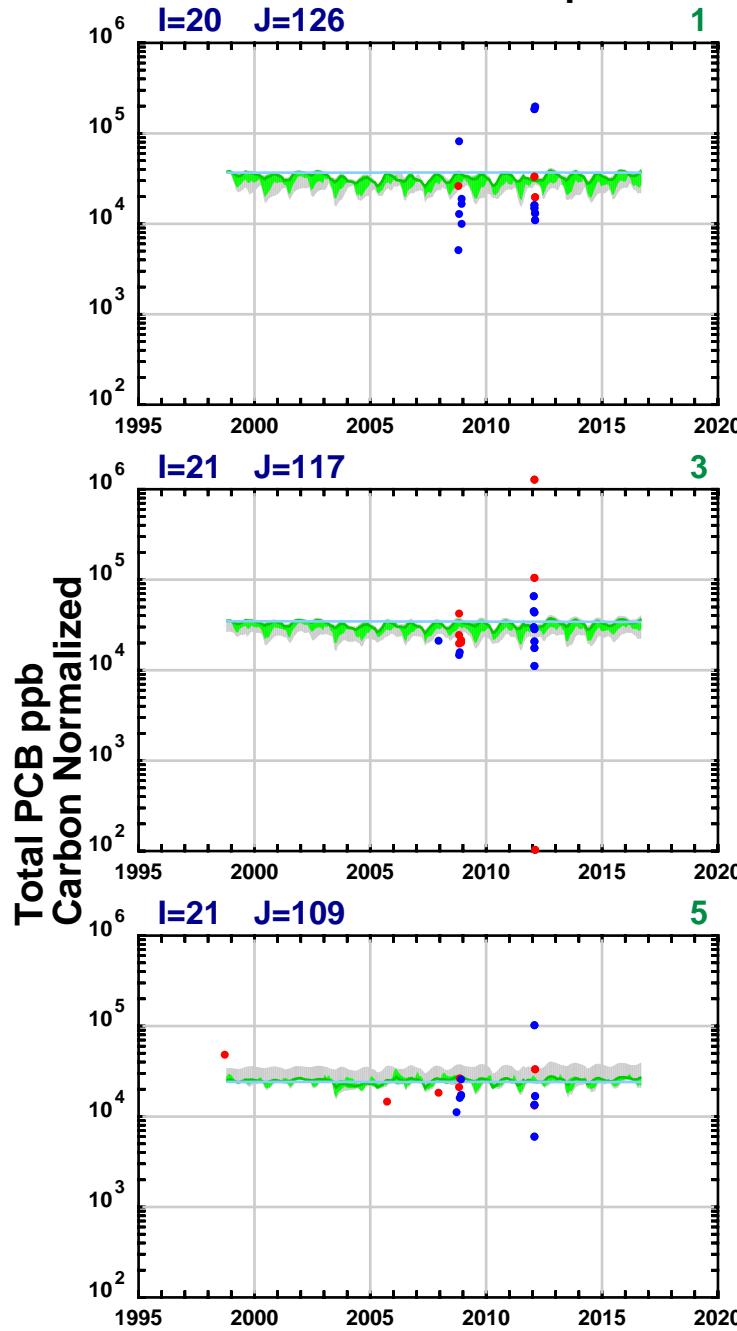
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



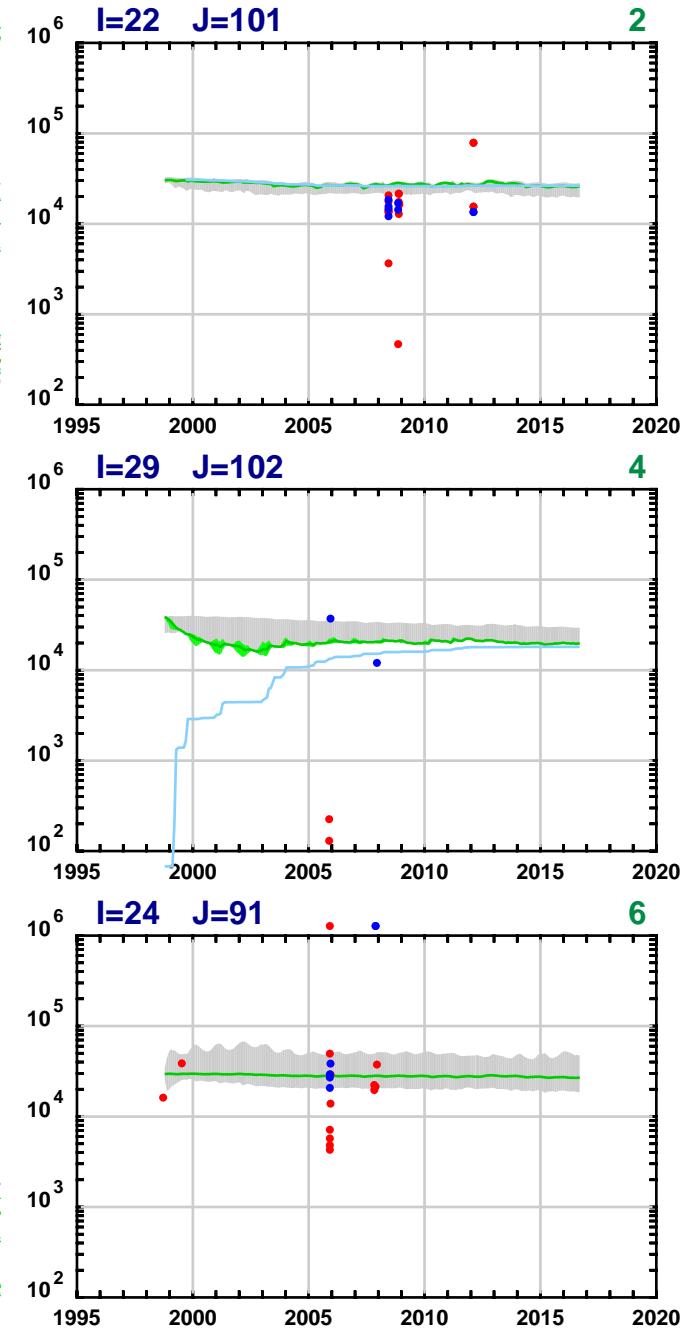
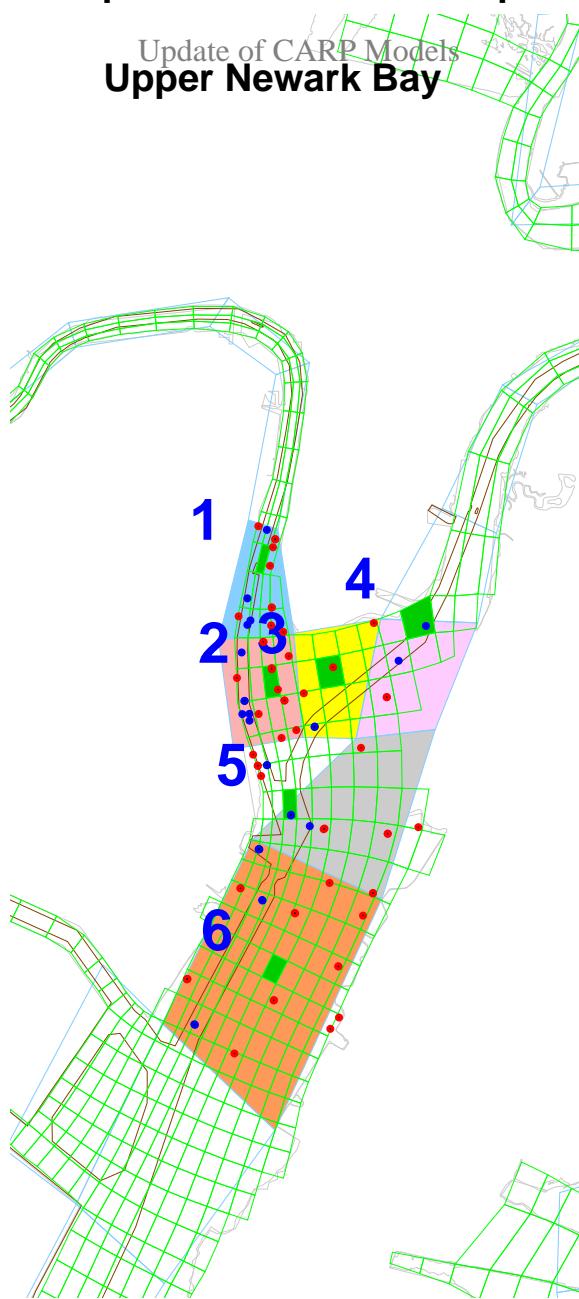
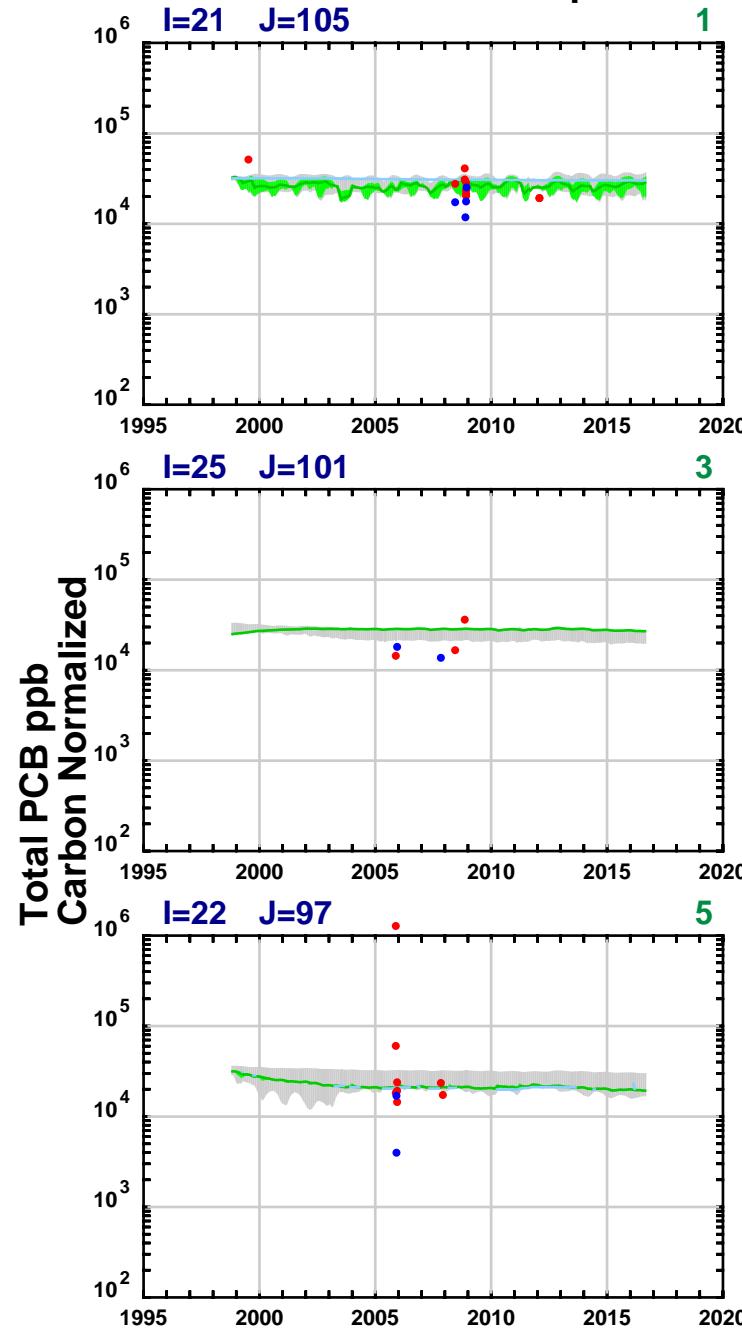
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

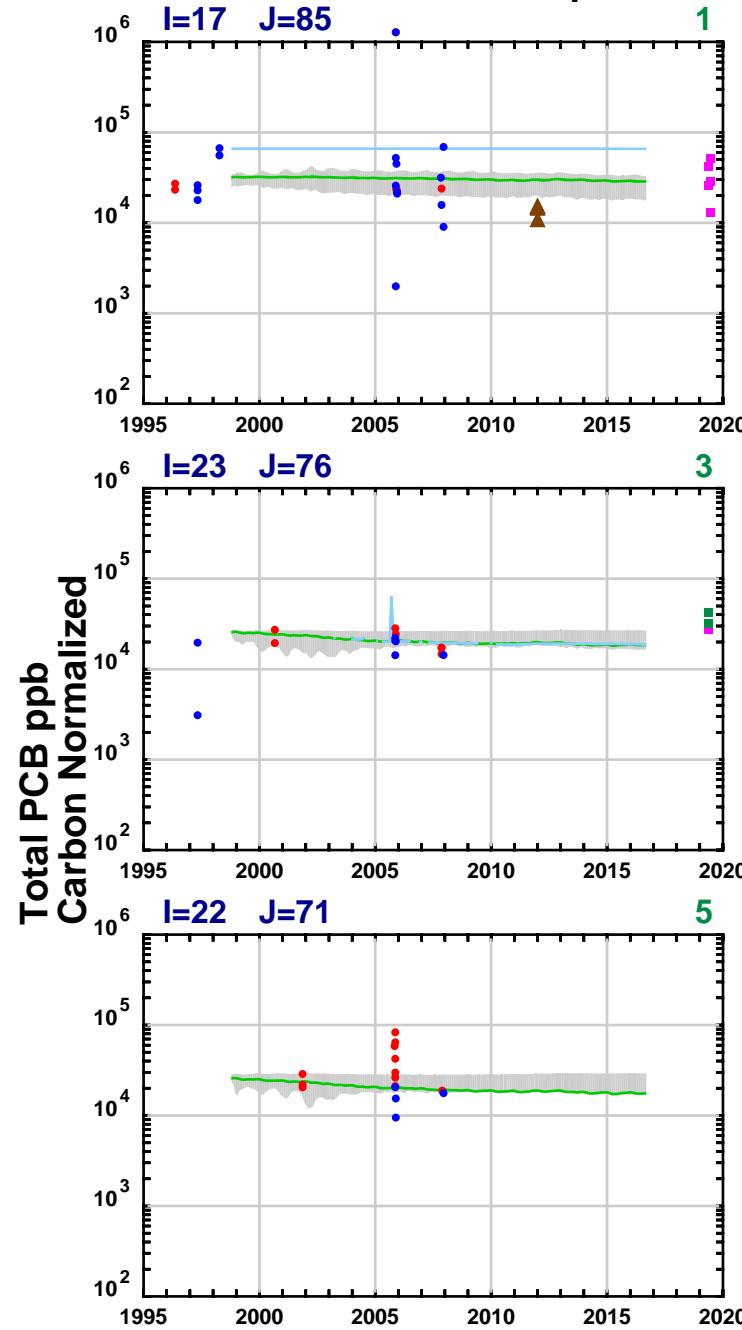


RUN18

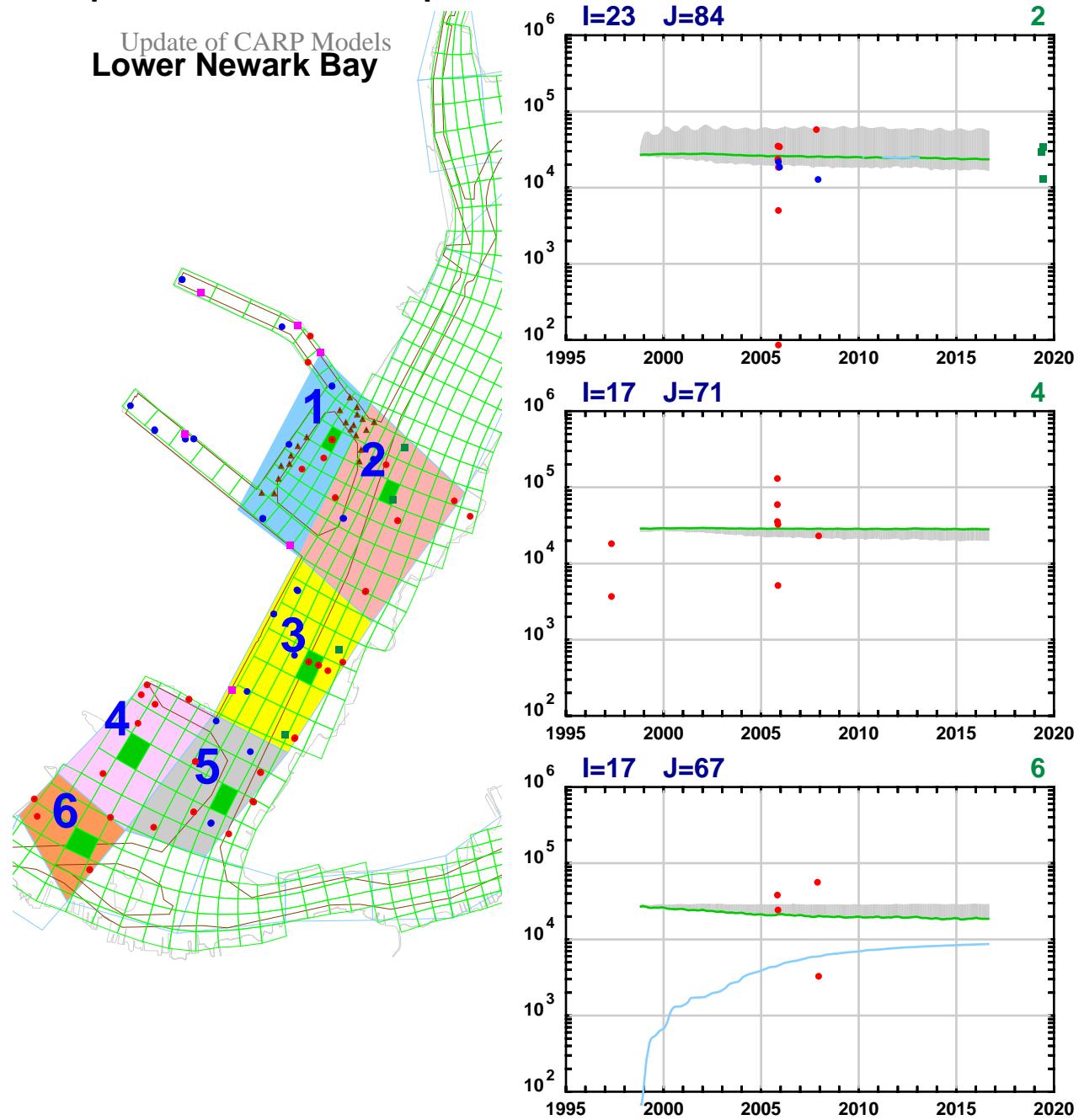
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay

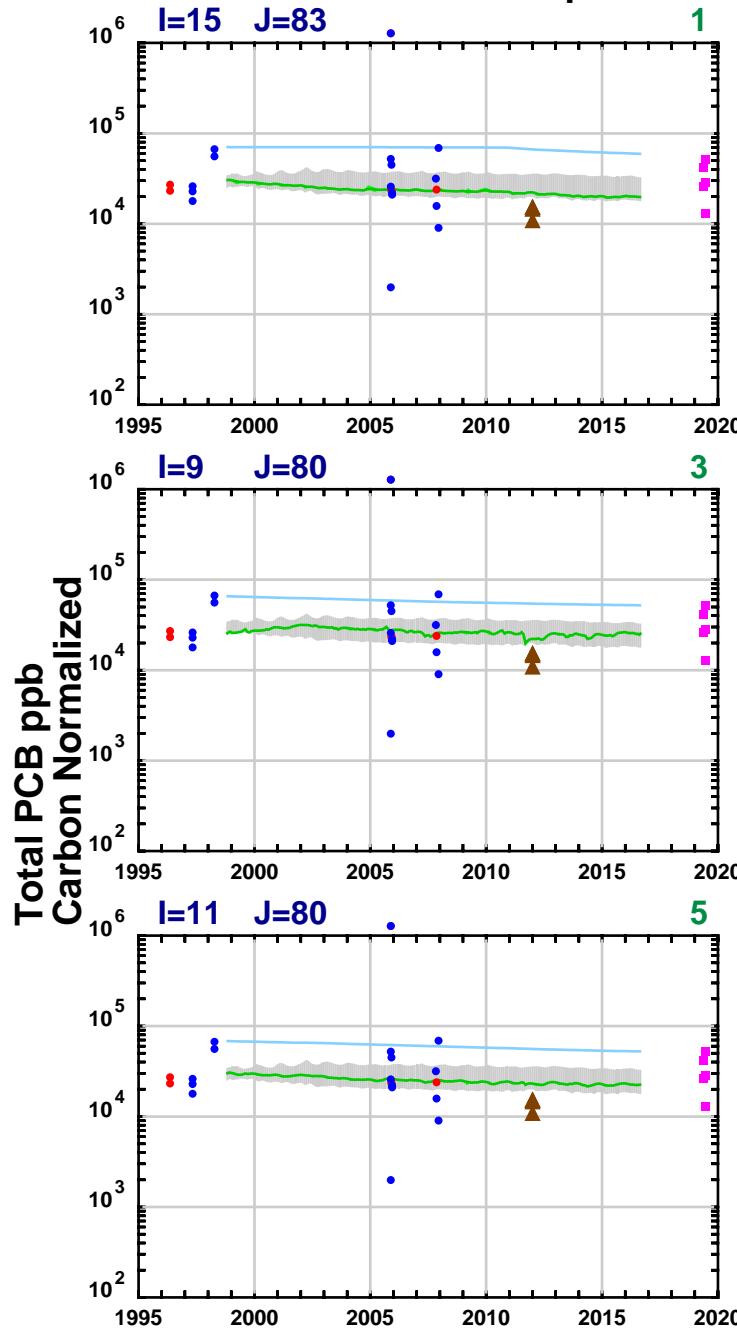


RUN18

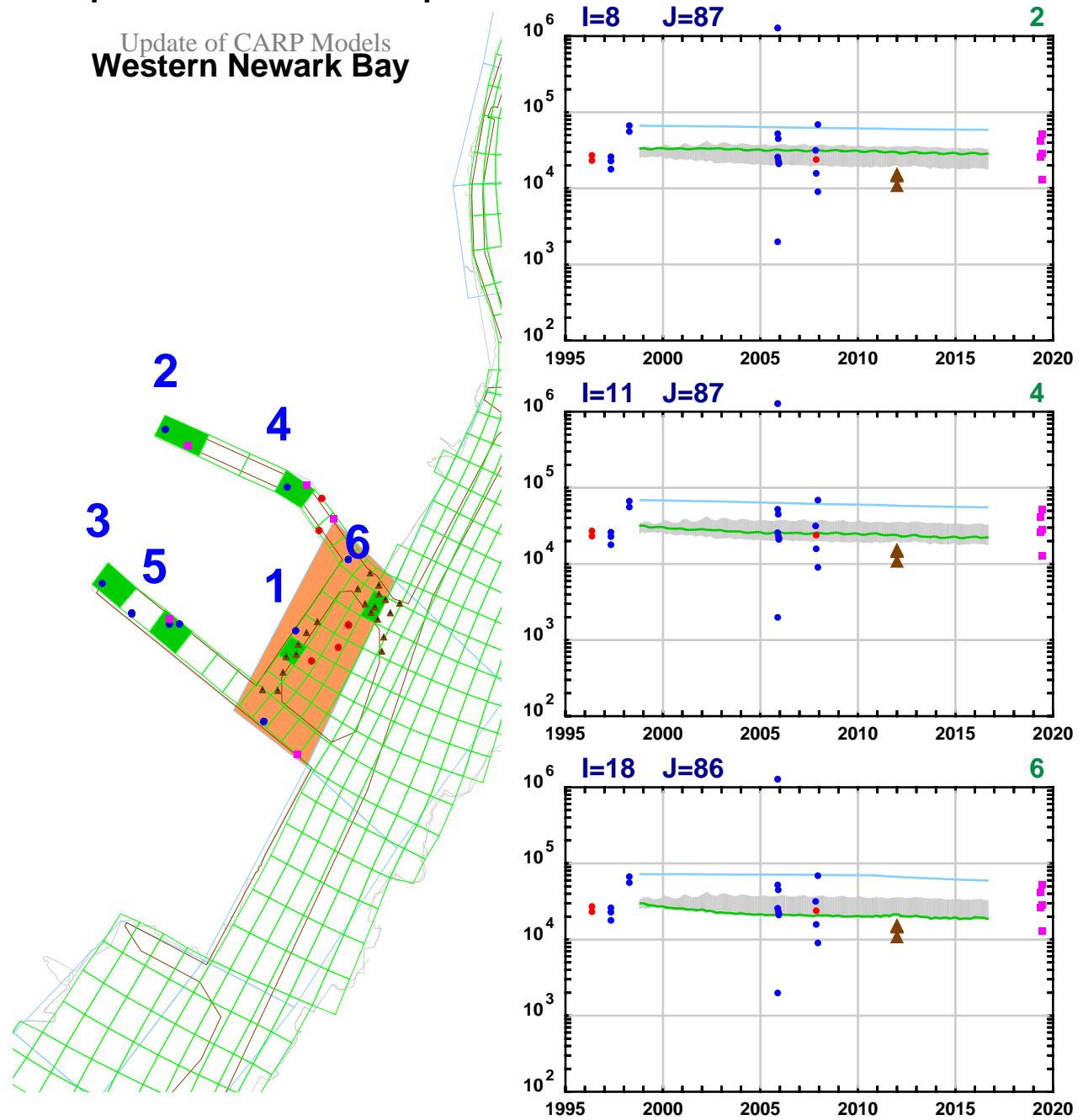
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Western Newark Bay

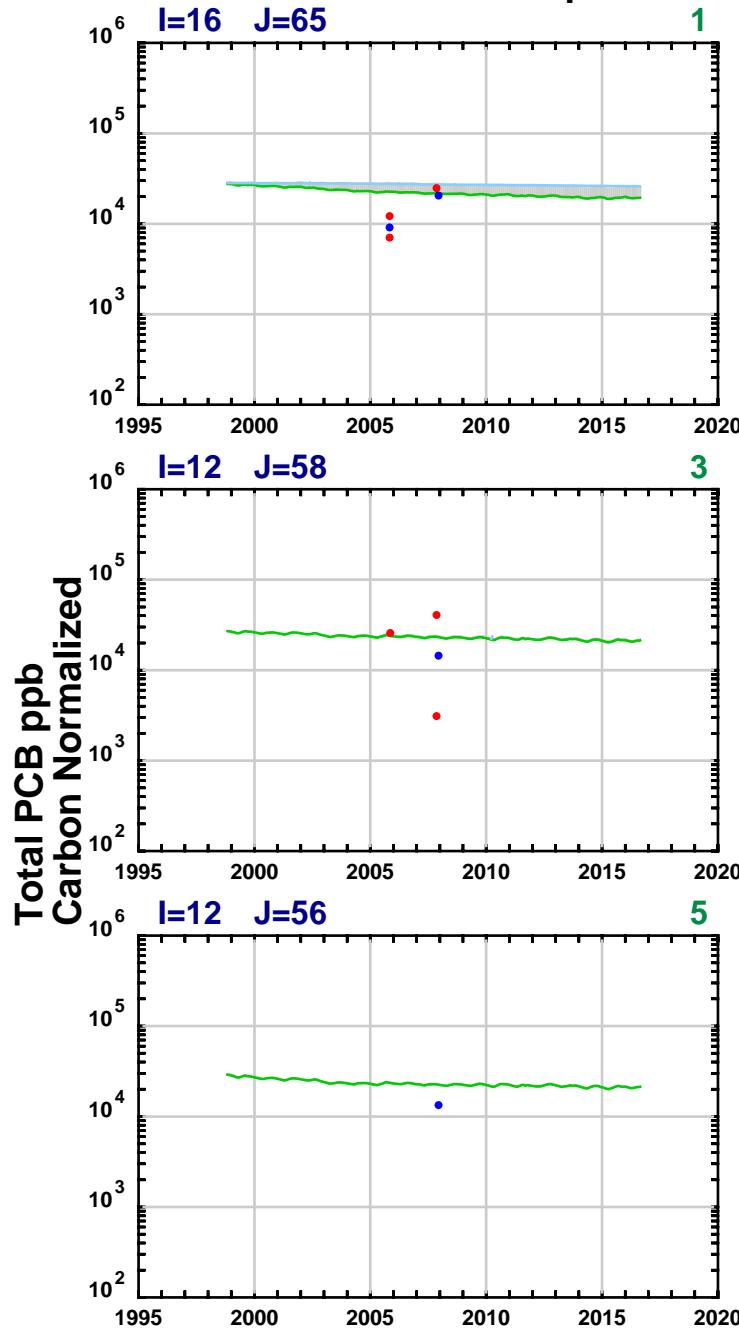


RUN18

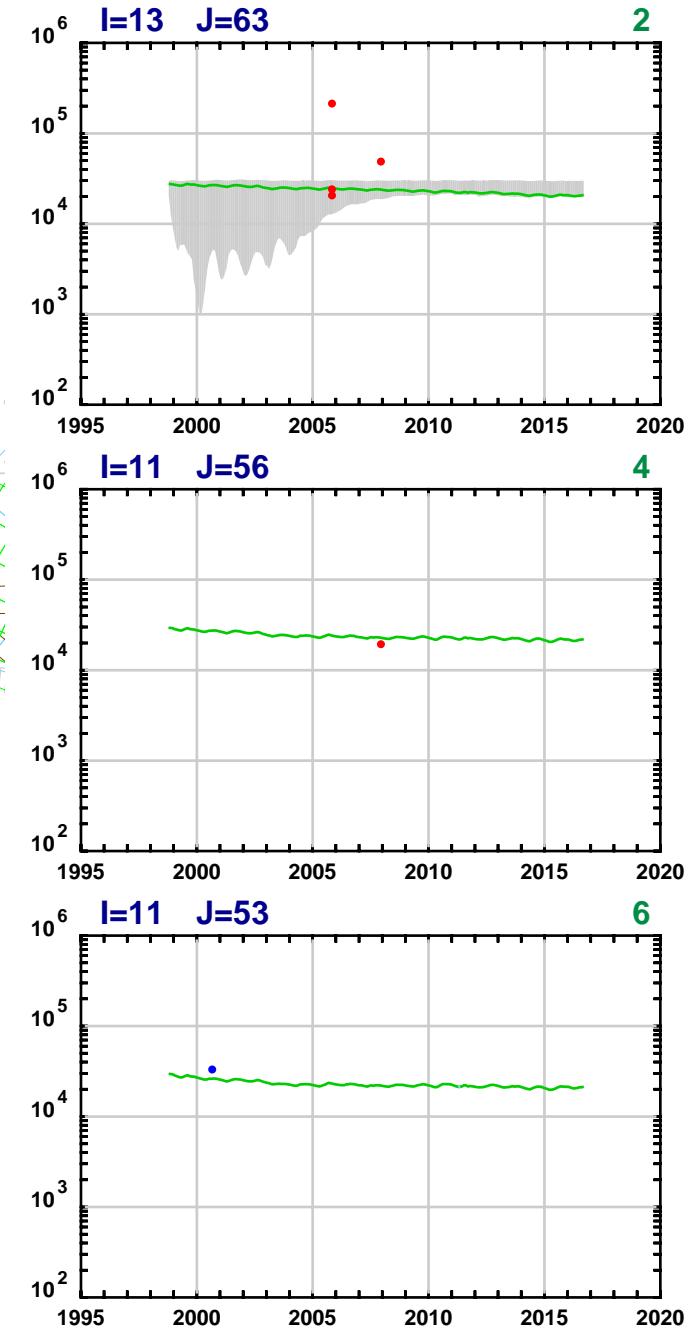
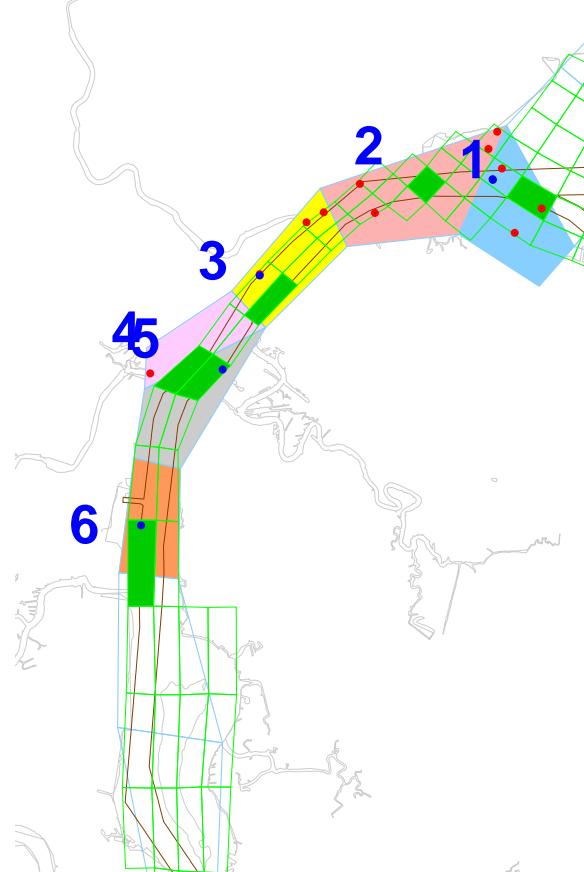
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Arthur Kill 1

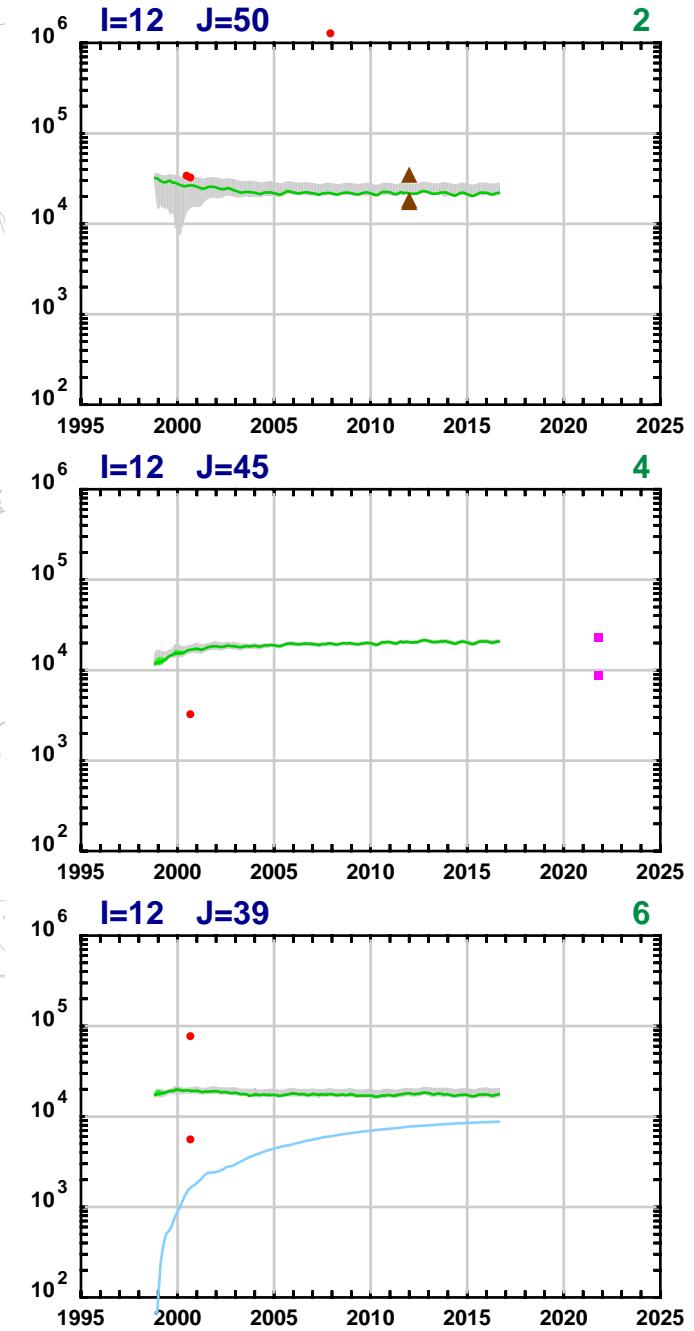
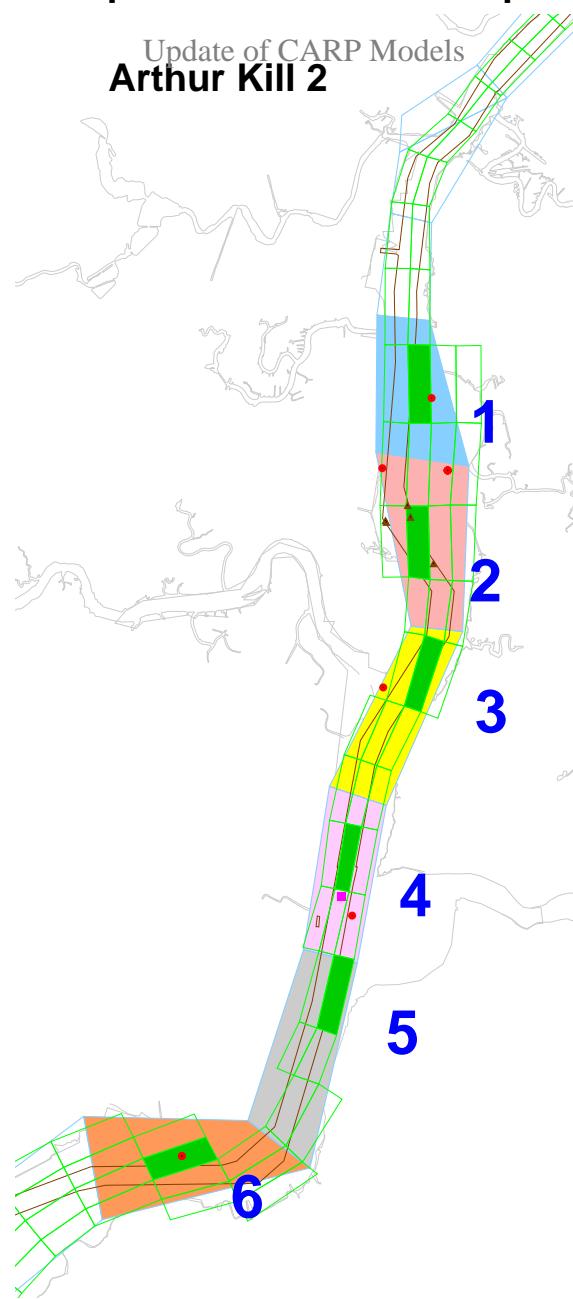
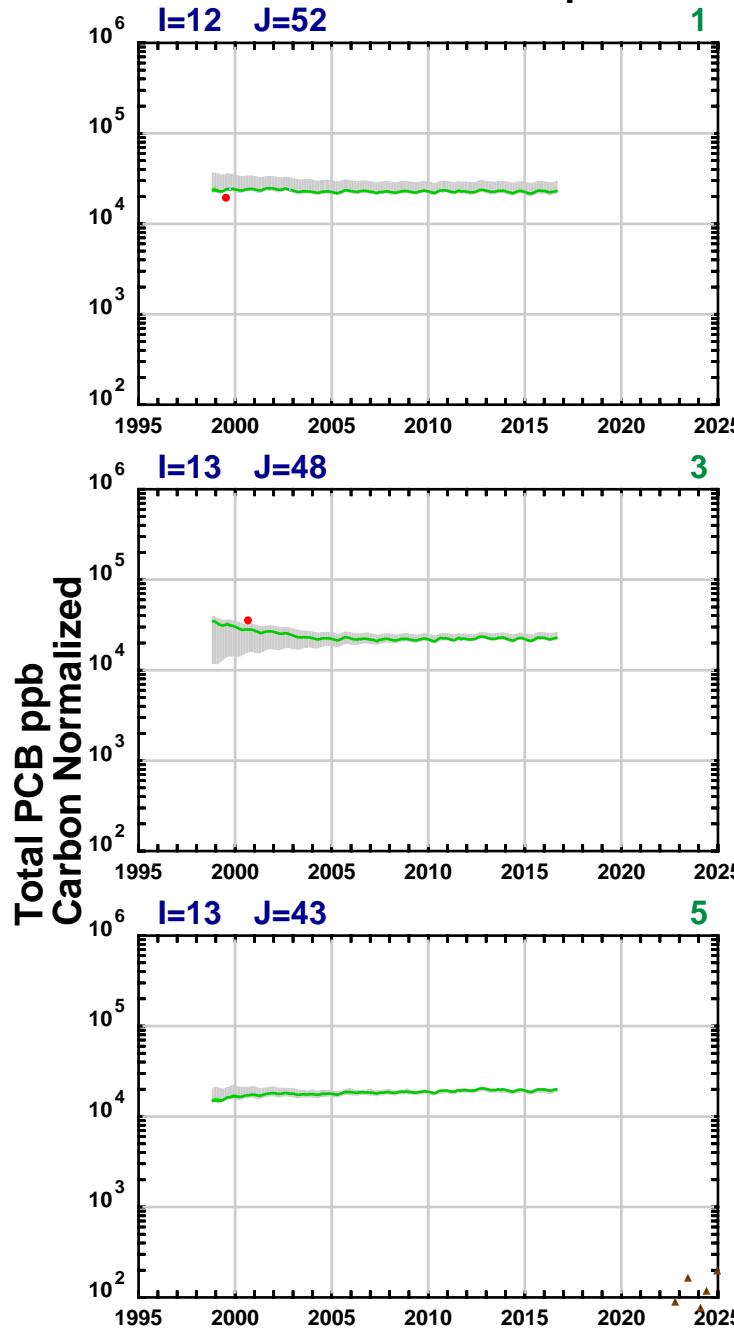


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



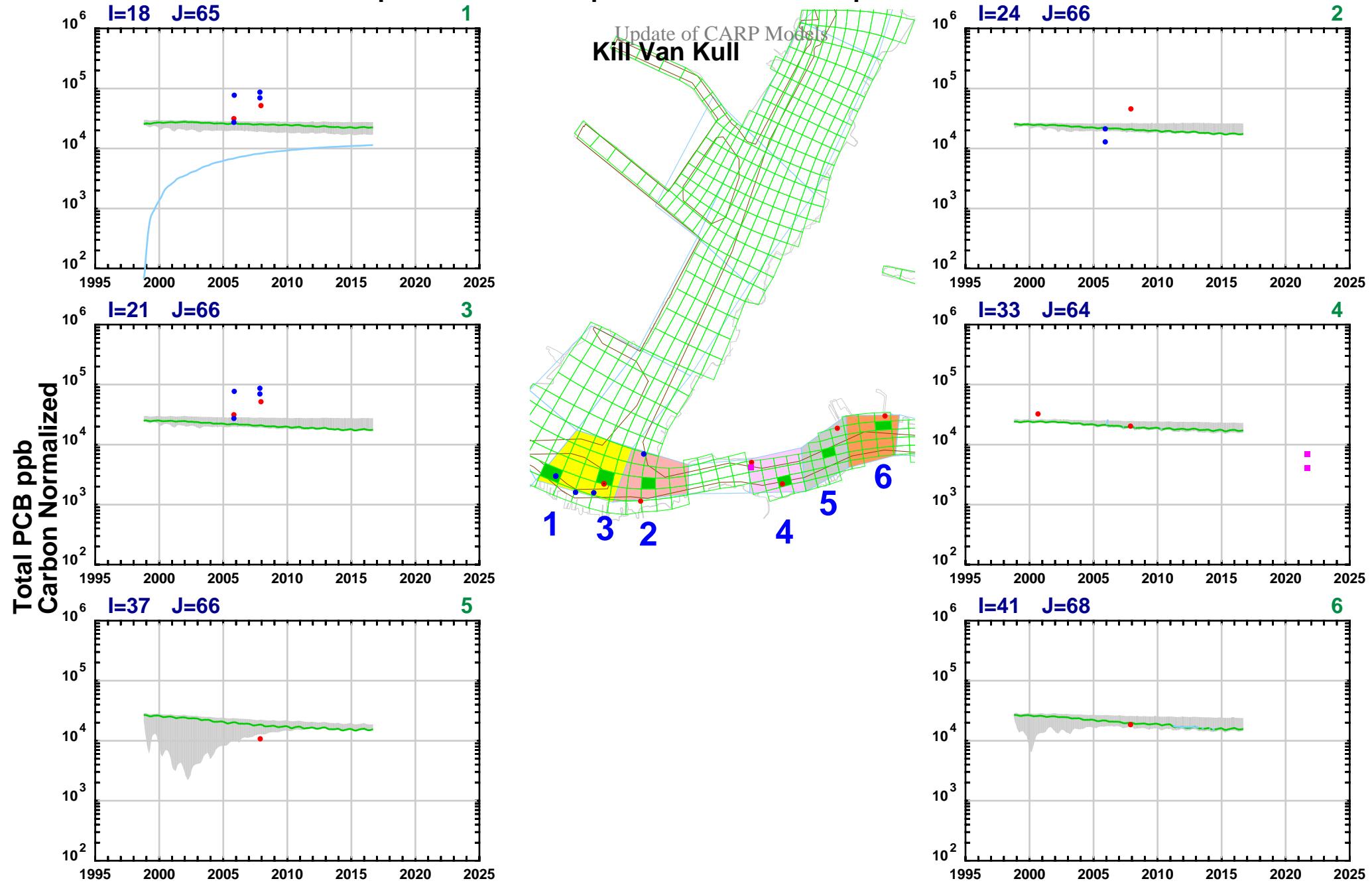
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



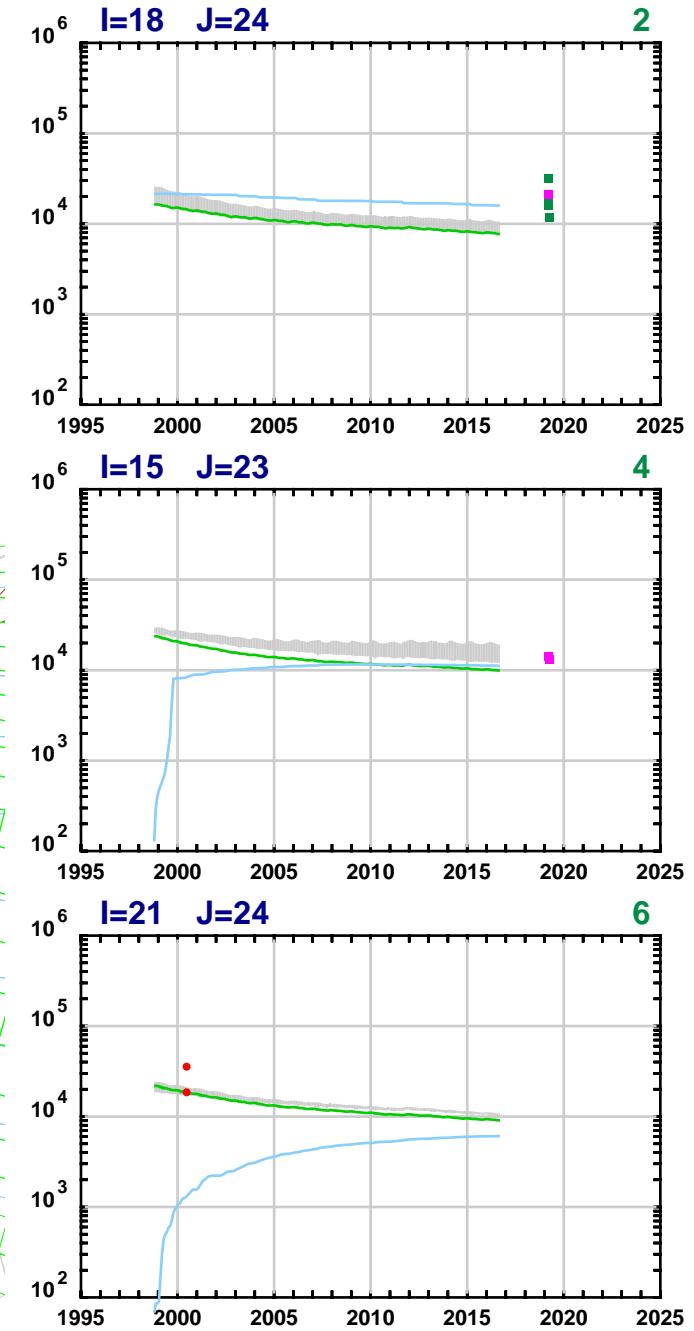
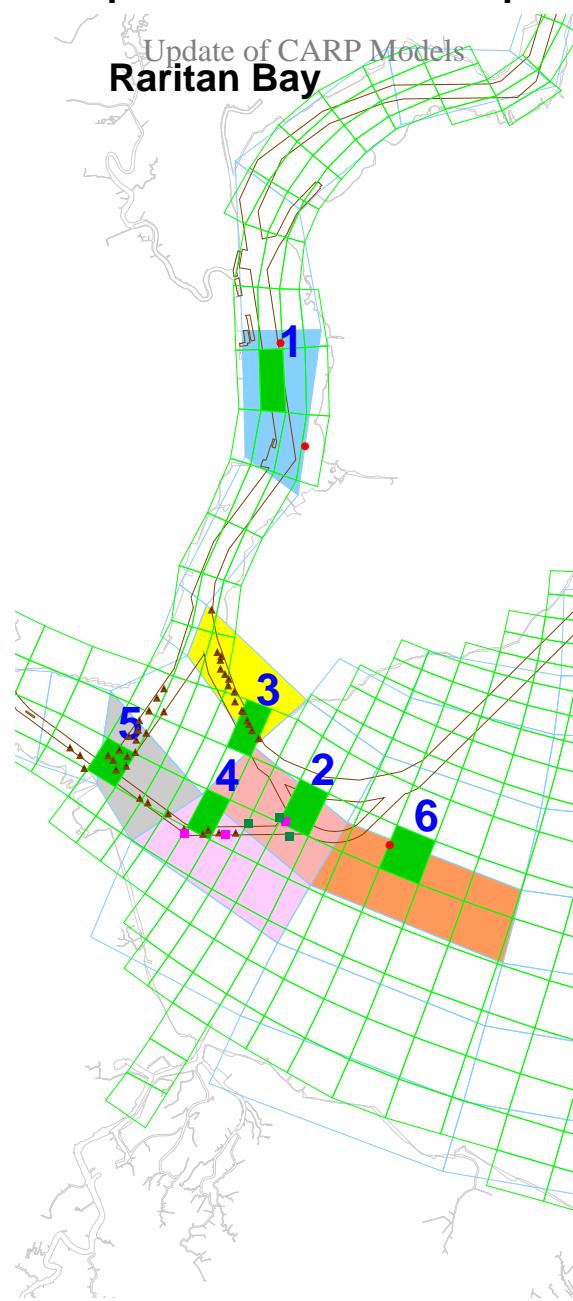
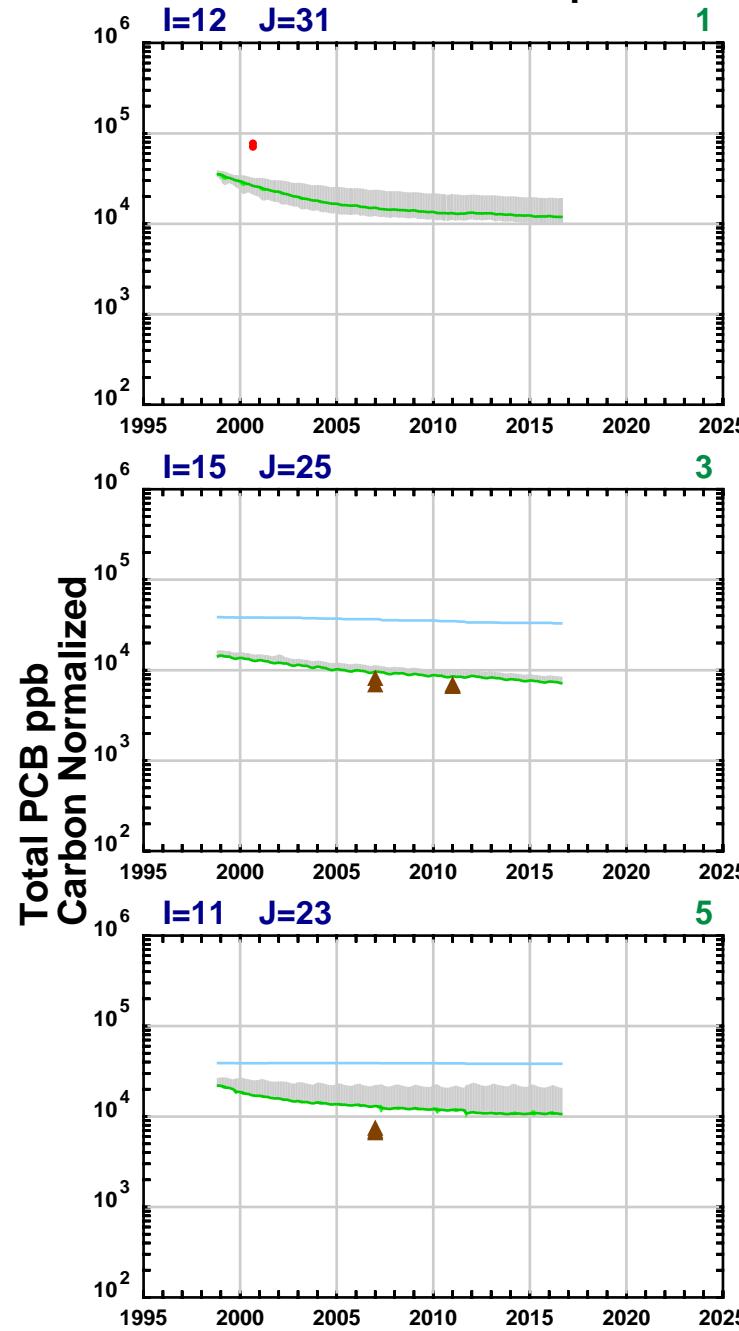
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



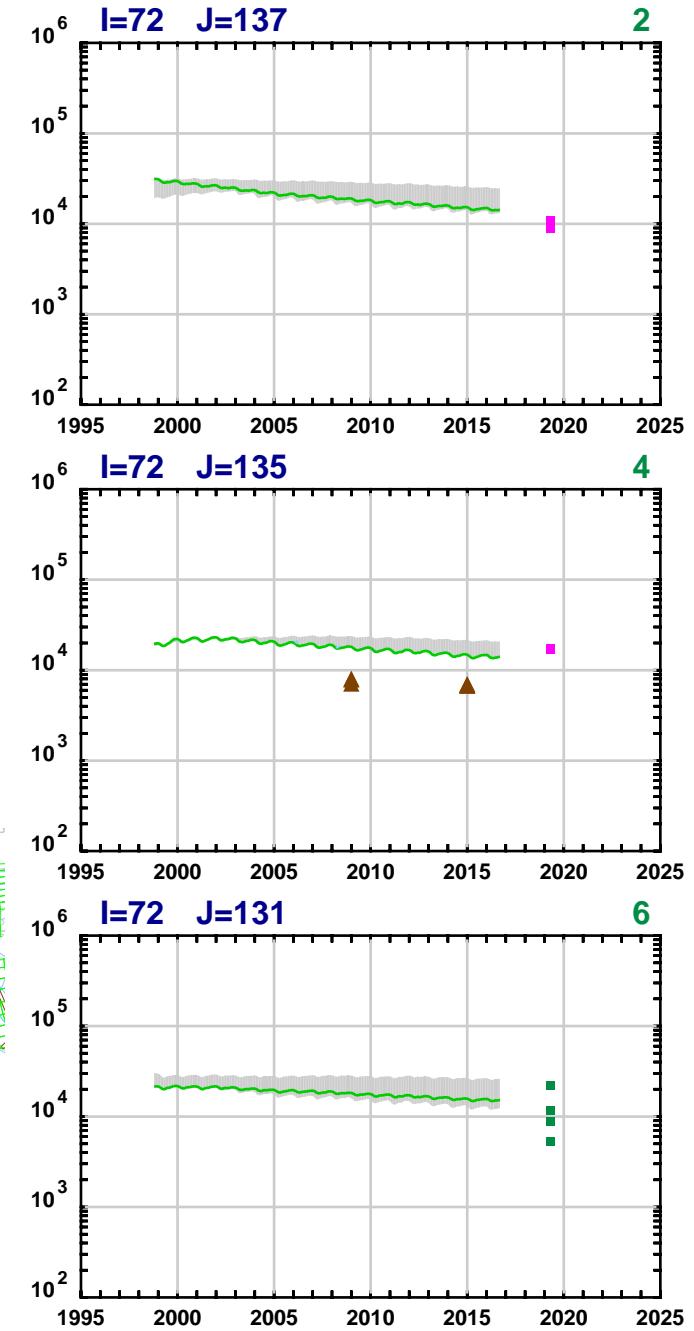
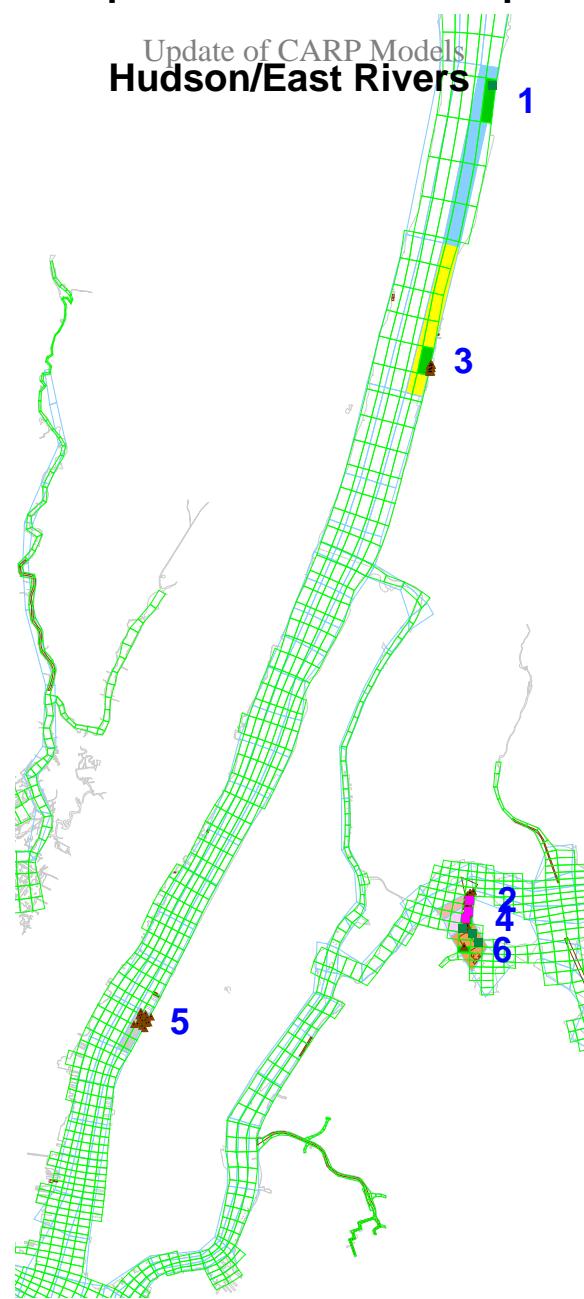
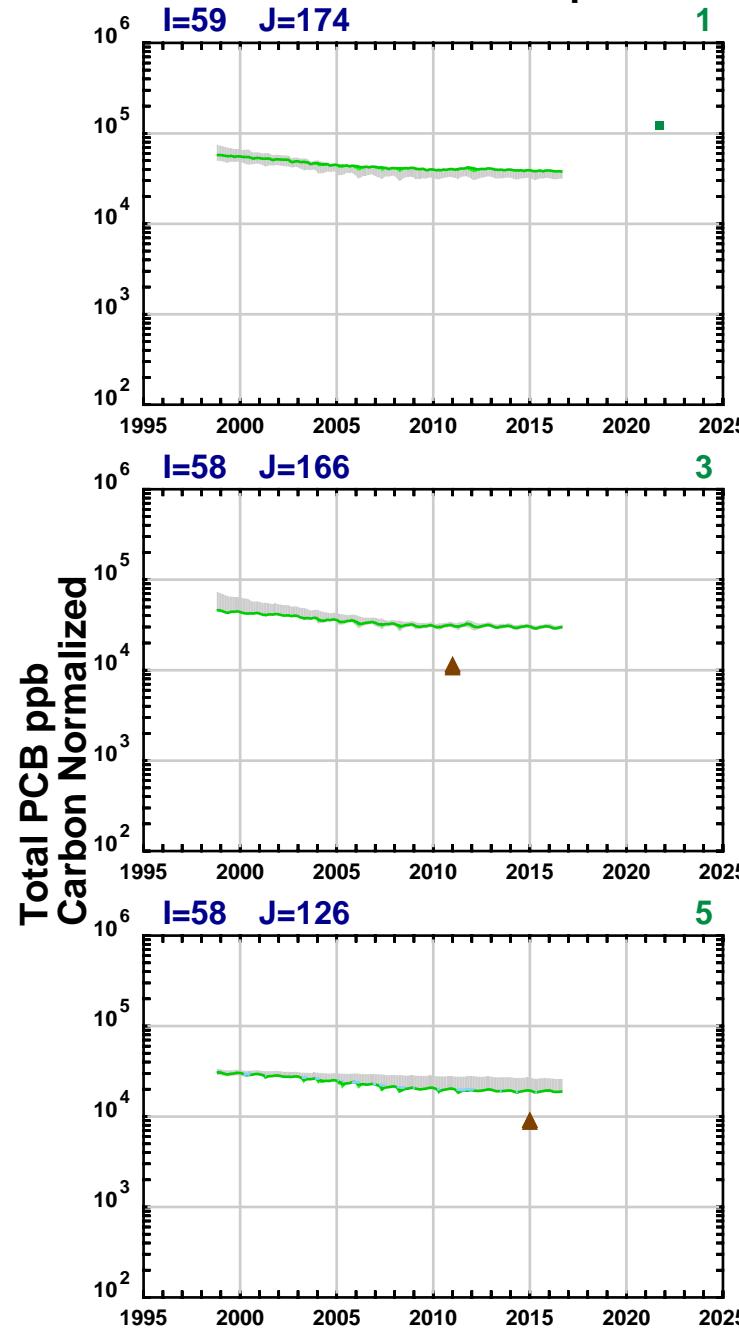
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



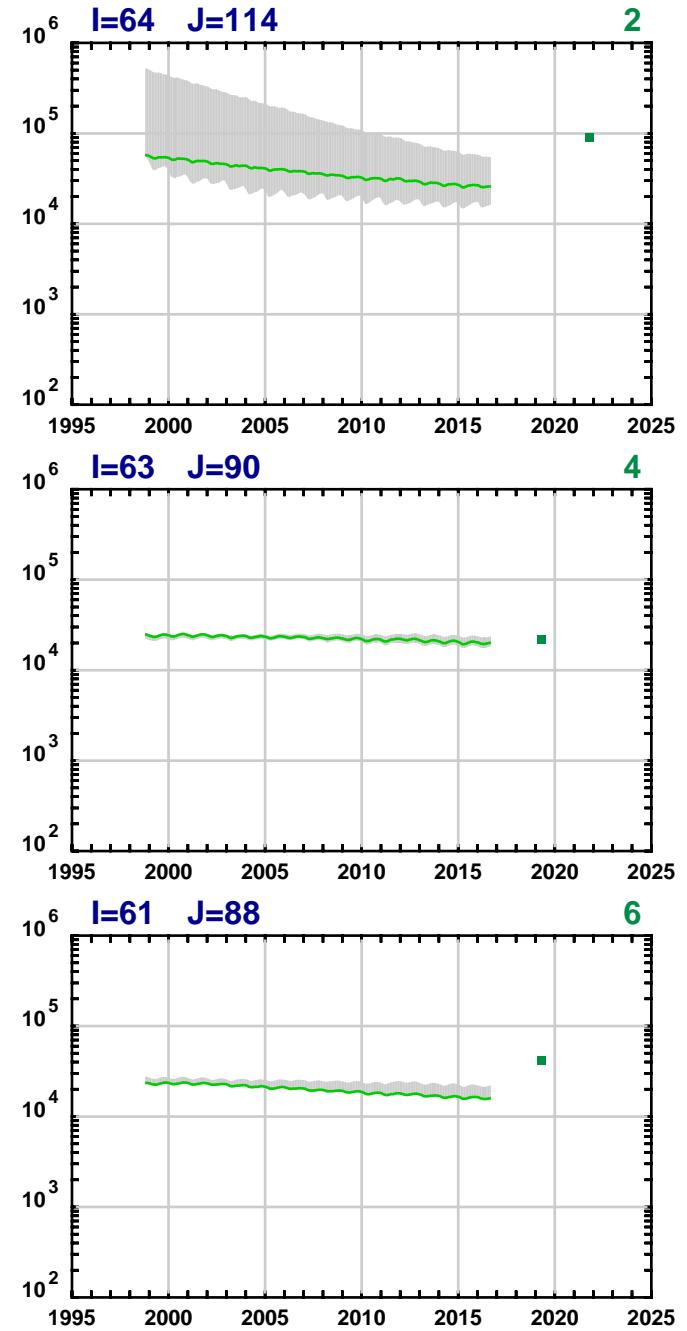
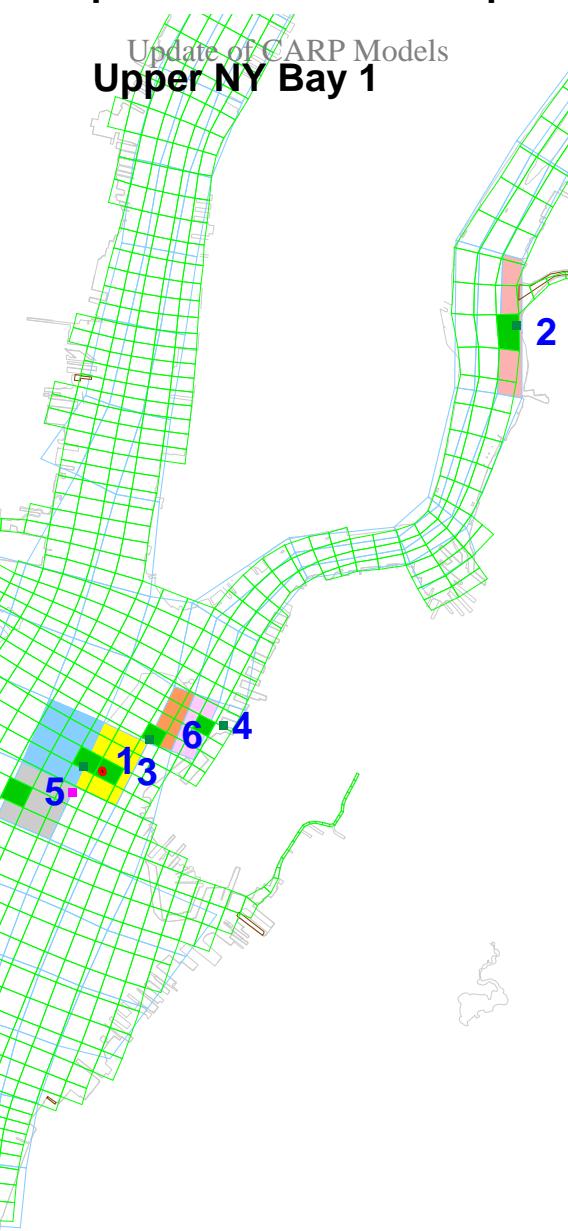
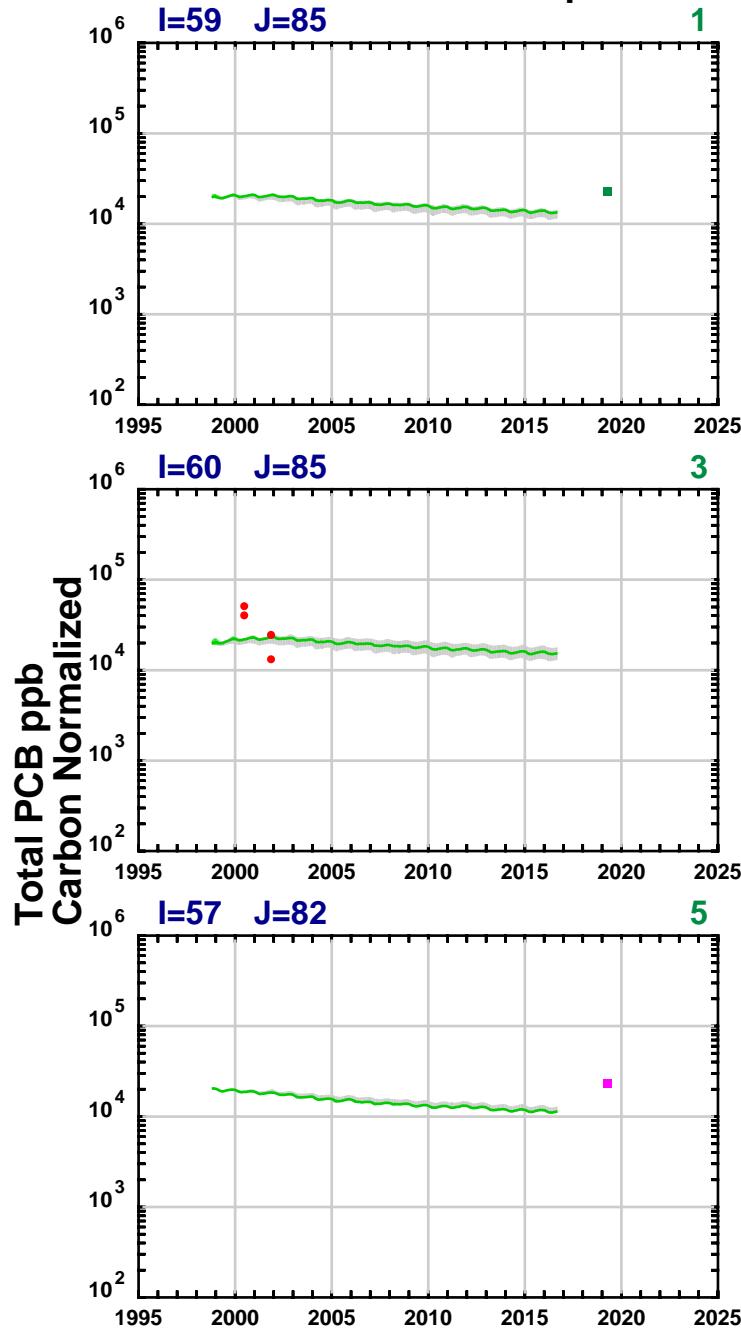
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

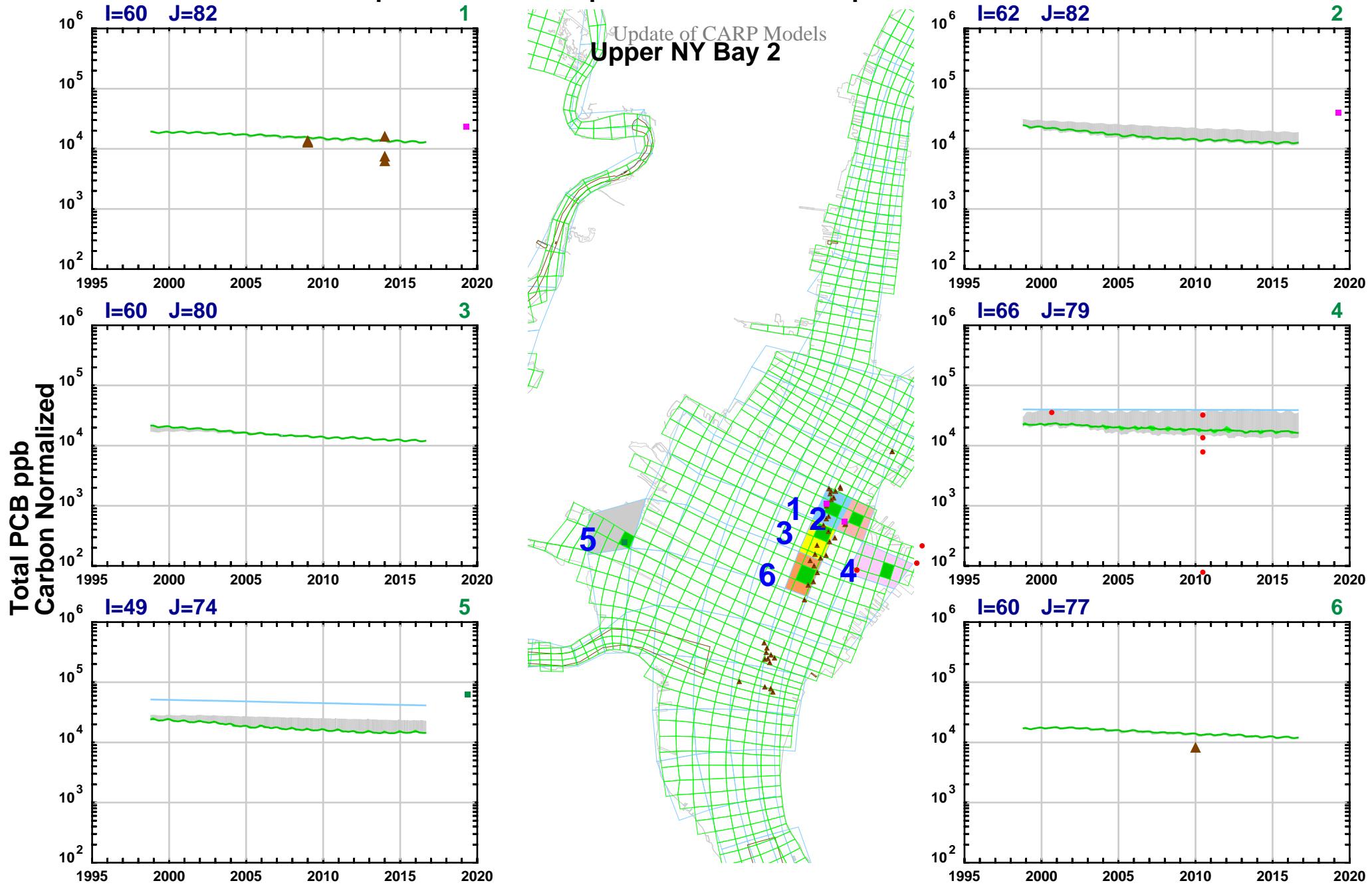


RUN18

Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

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● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



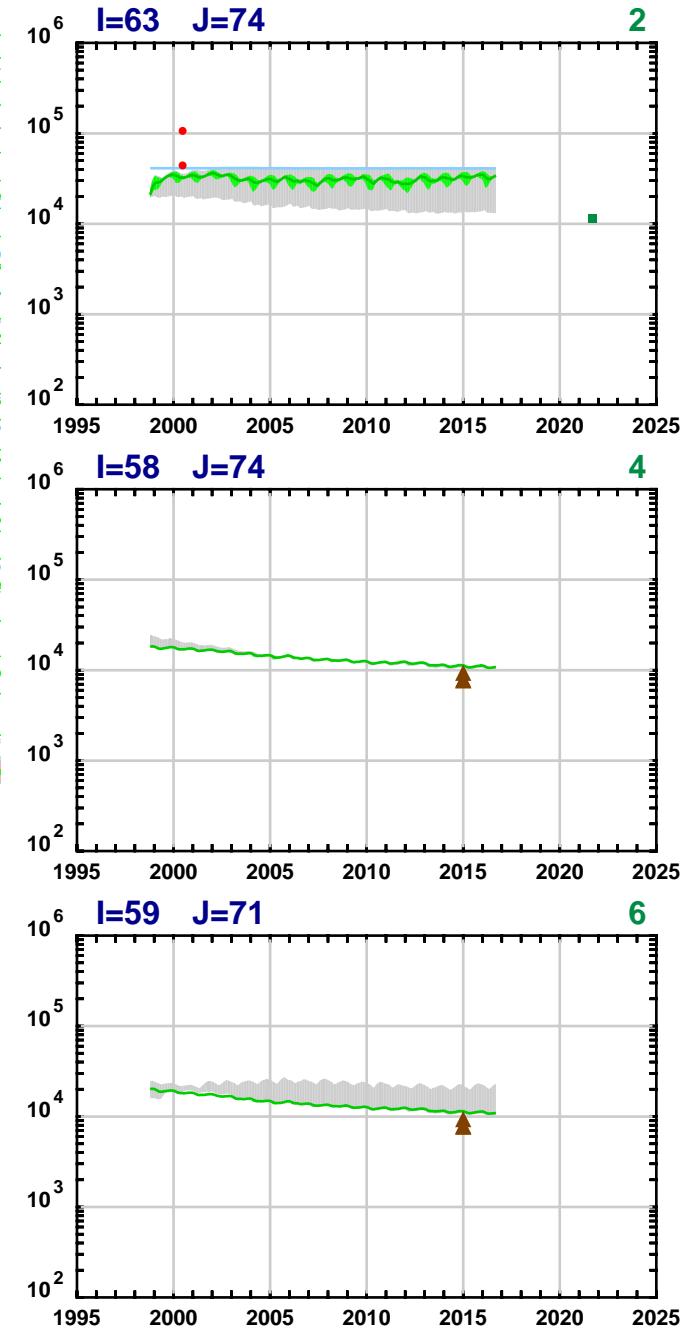
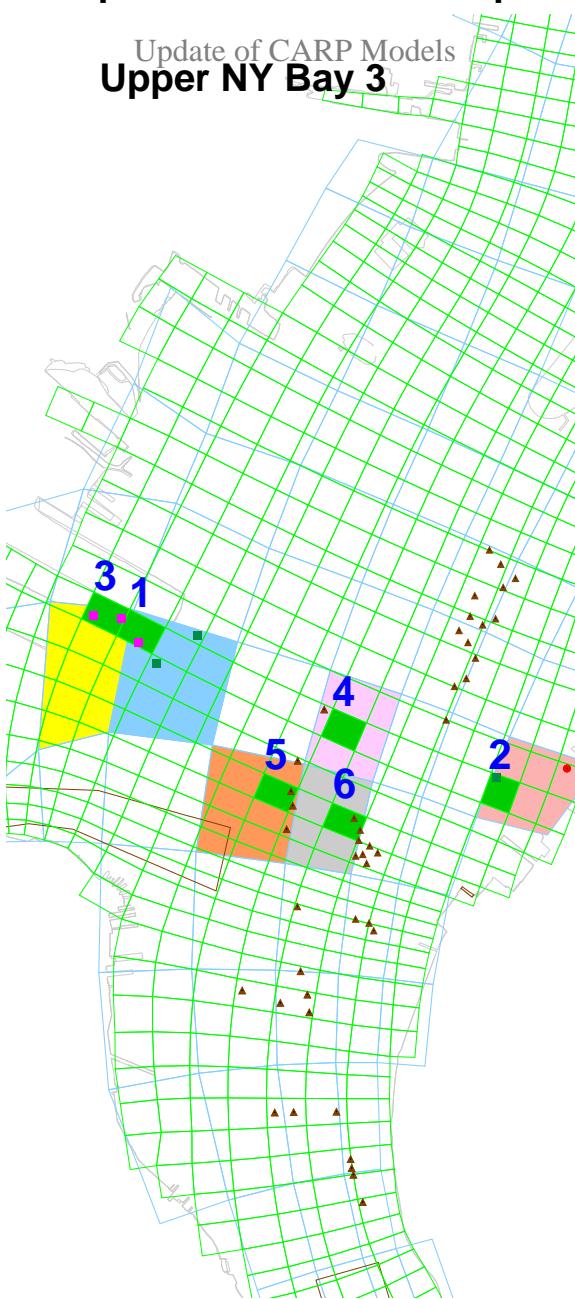
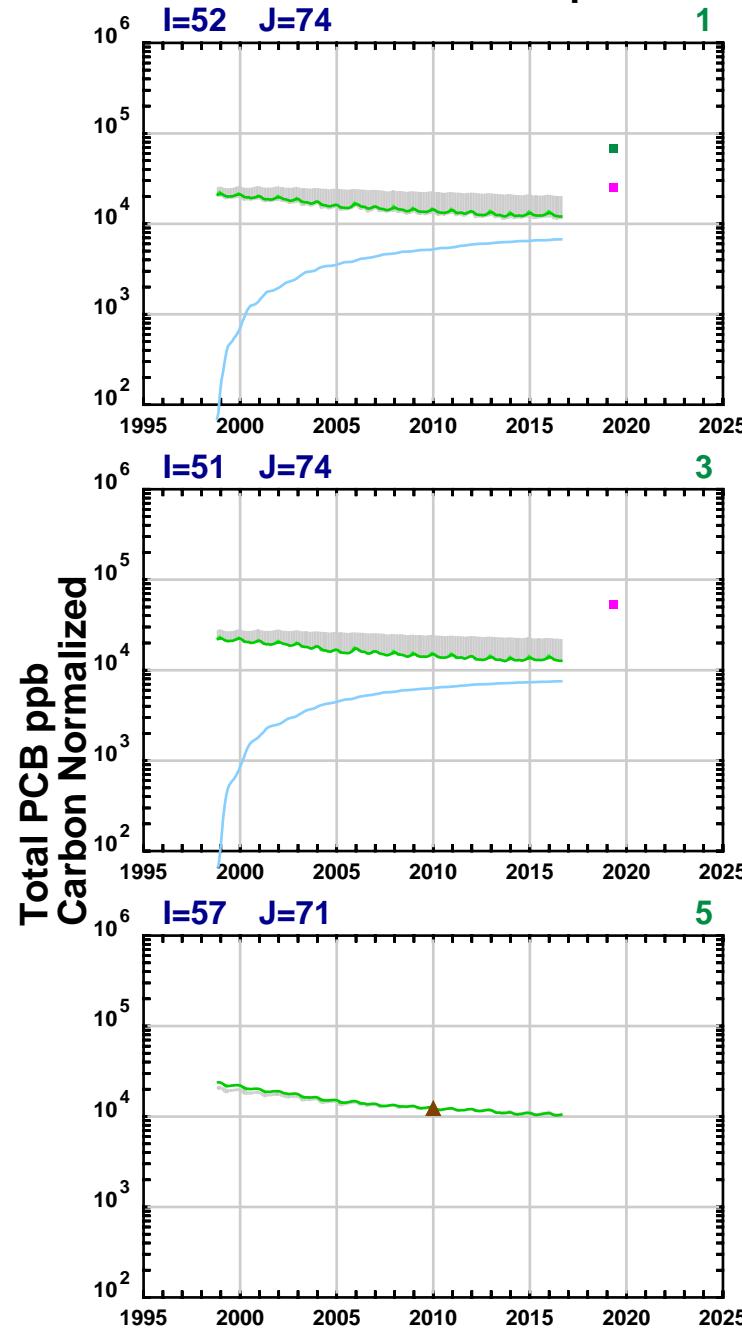
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



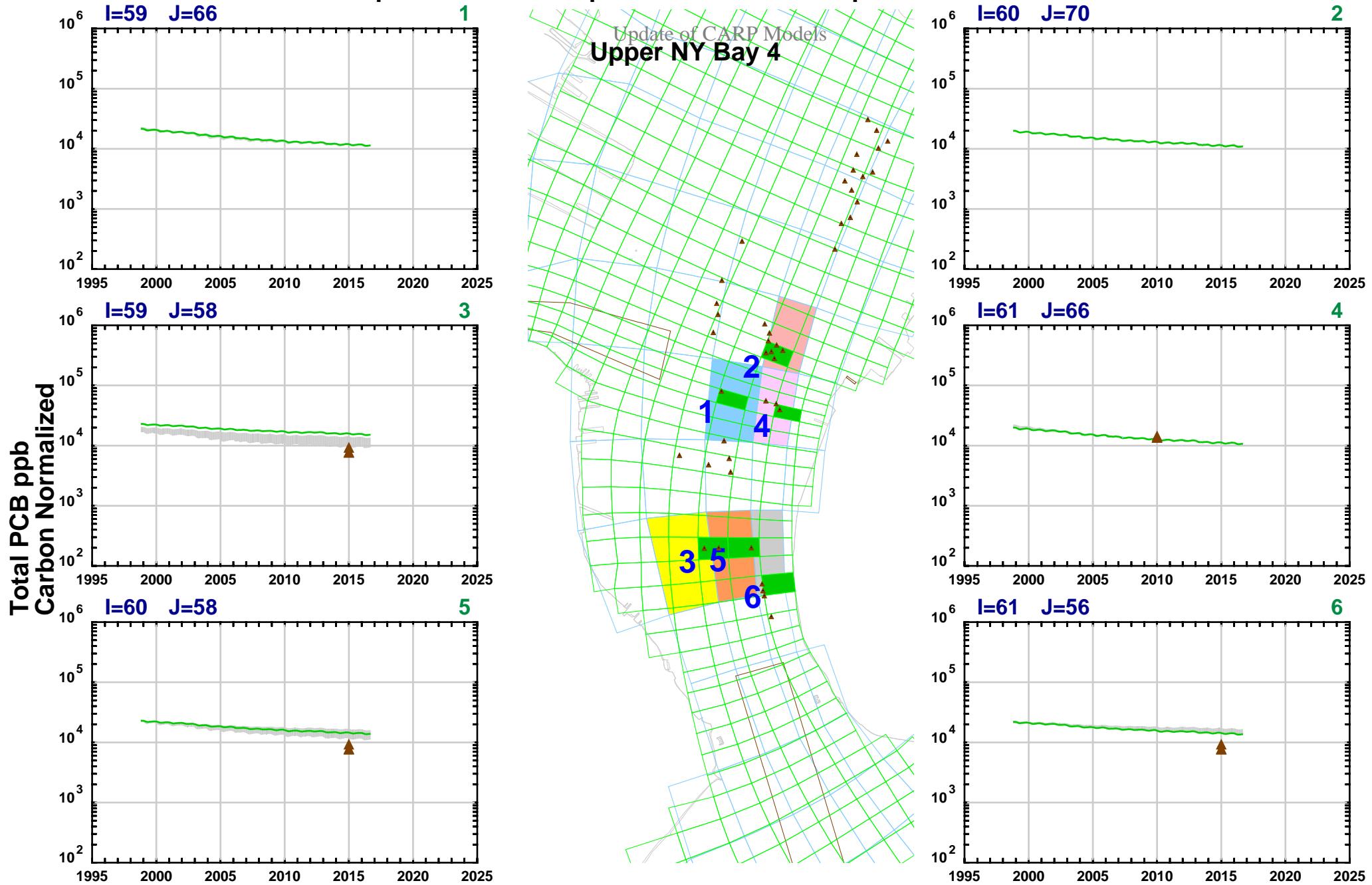
RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

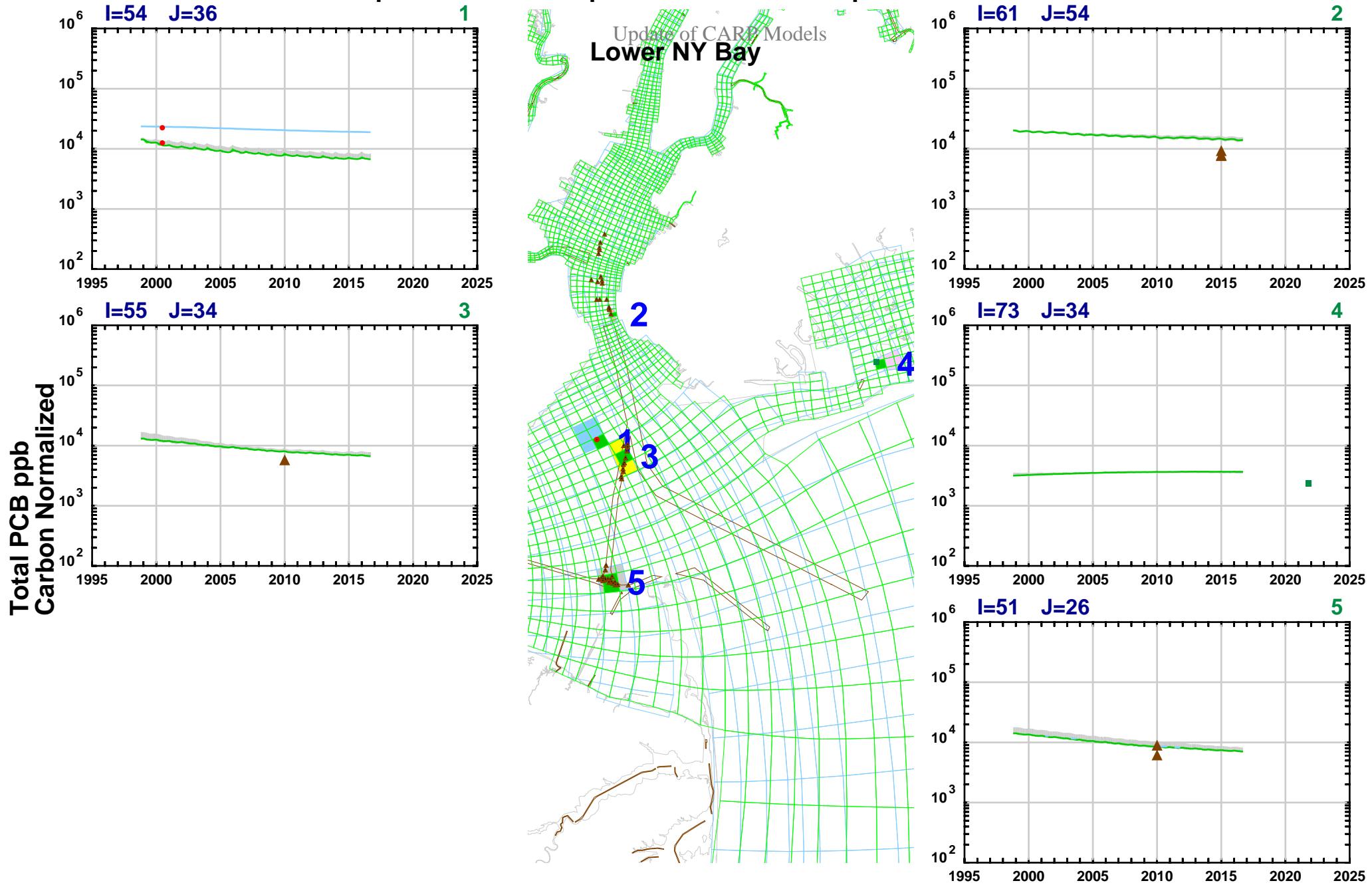
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel