

APPENDIX 13

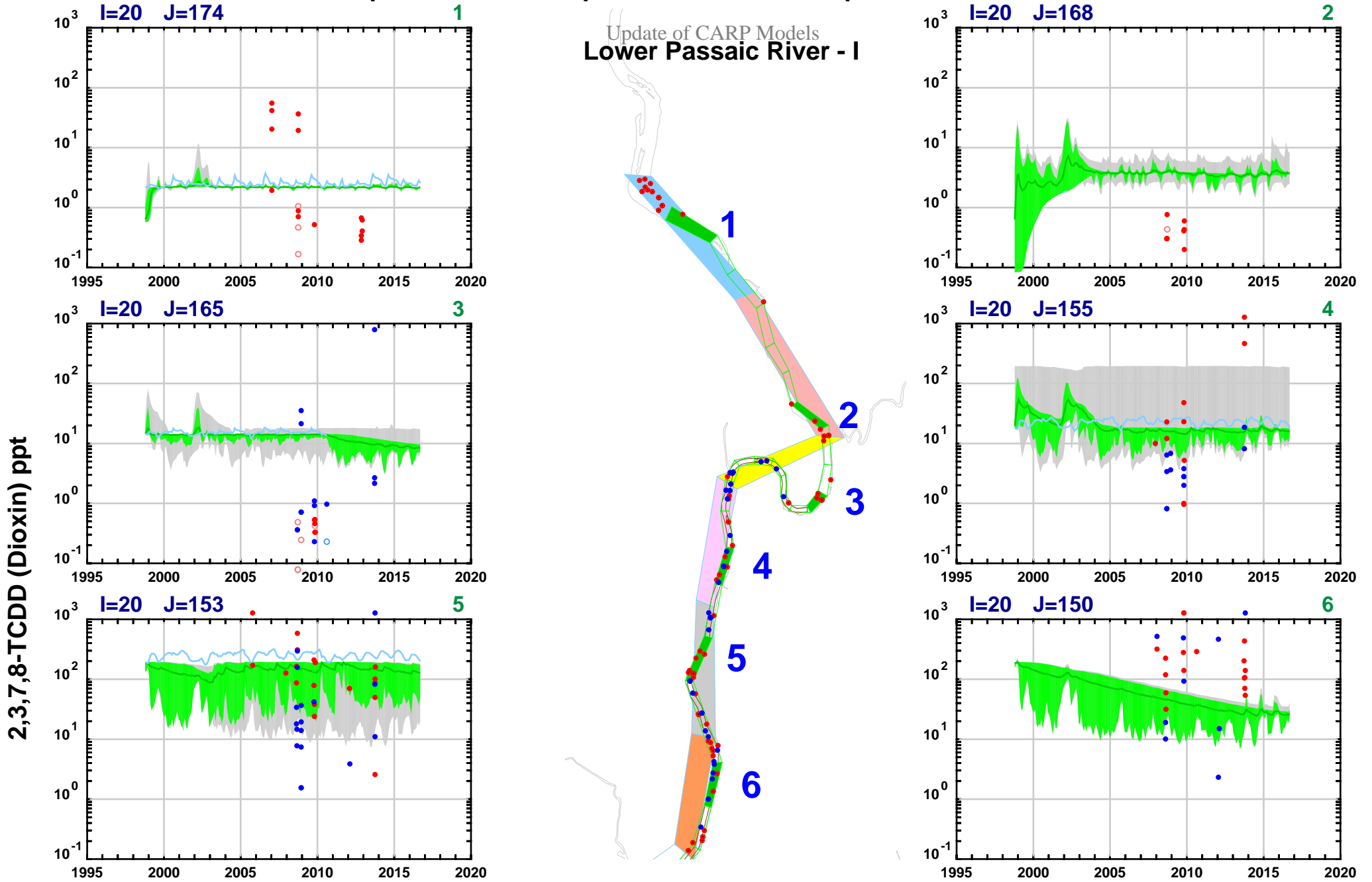
Contaminant Concentrations in the Sediment Bed Model and Measurement Comparisons Results Diagrams, Calibration, Various Measurement Programs, Ninety-Five Locations throughout NY/NJ Harbor, 1998-2016 Water Years

- **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

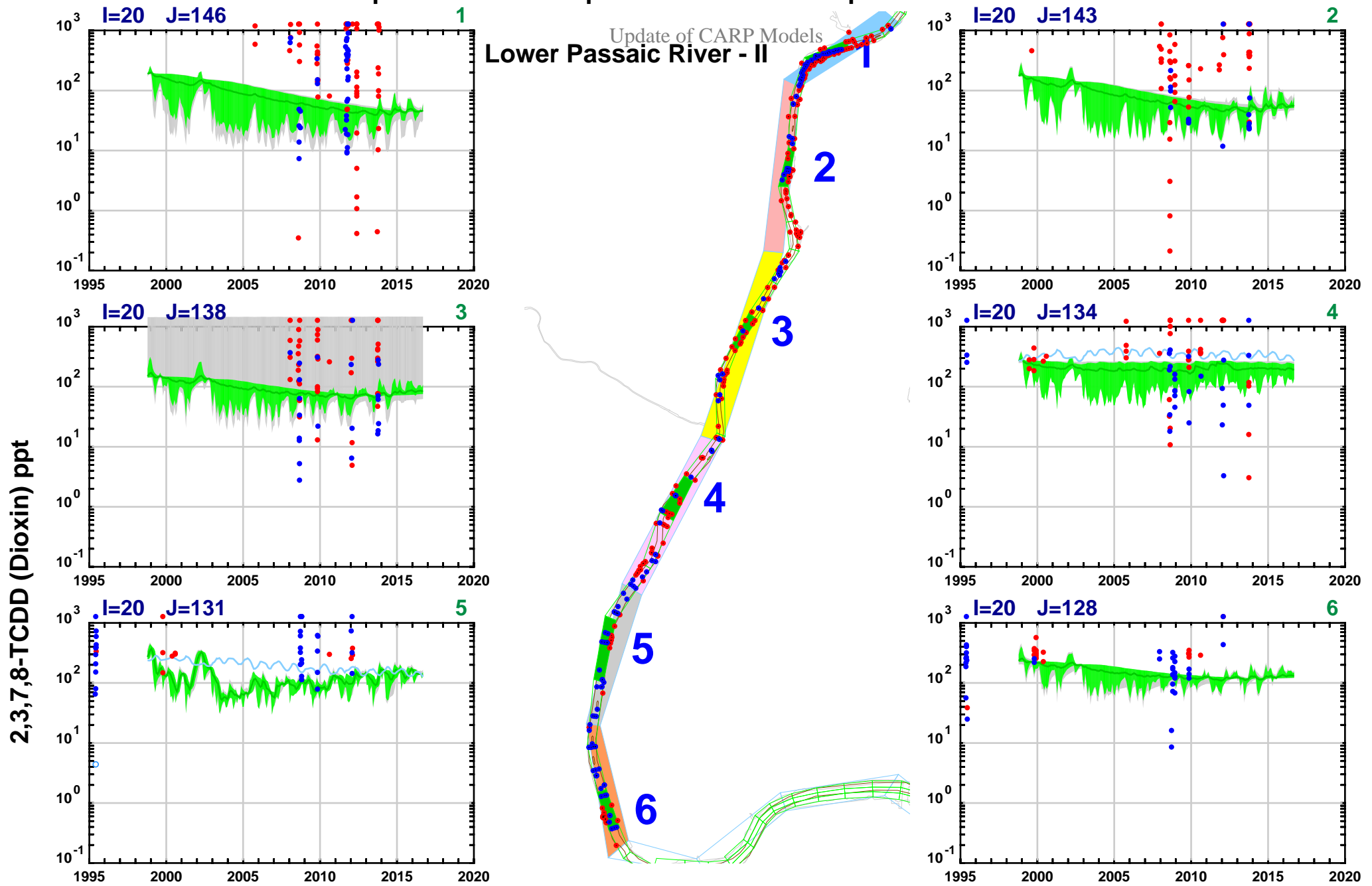


RUN18

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

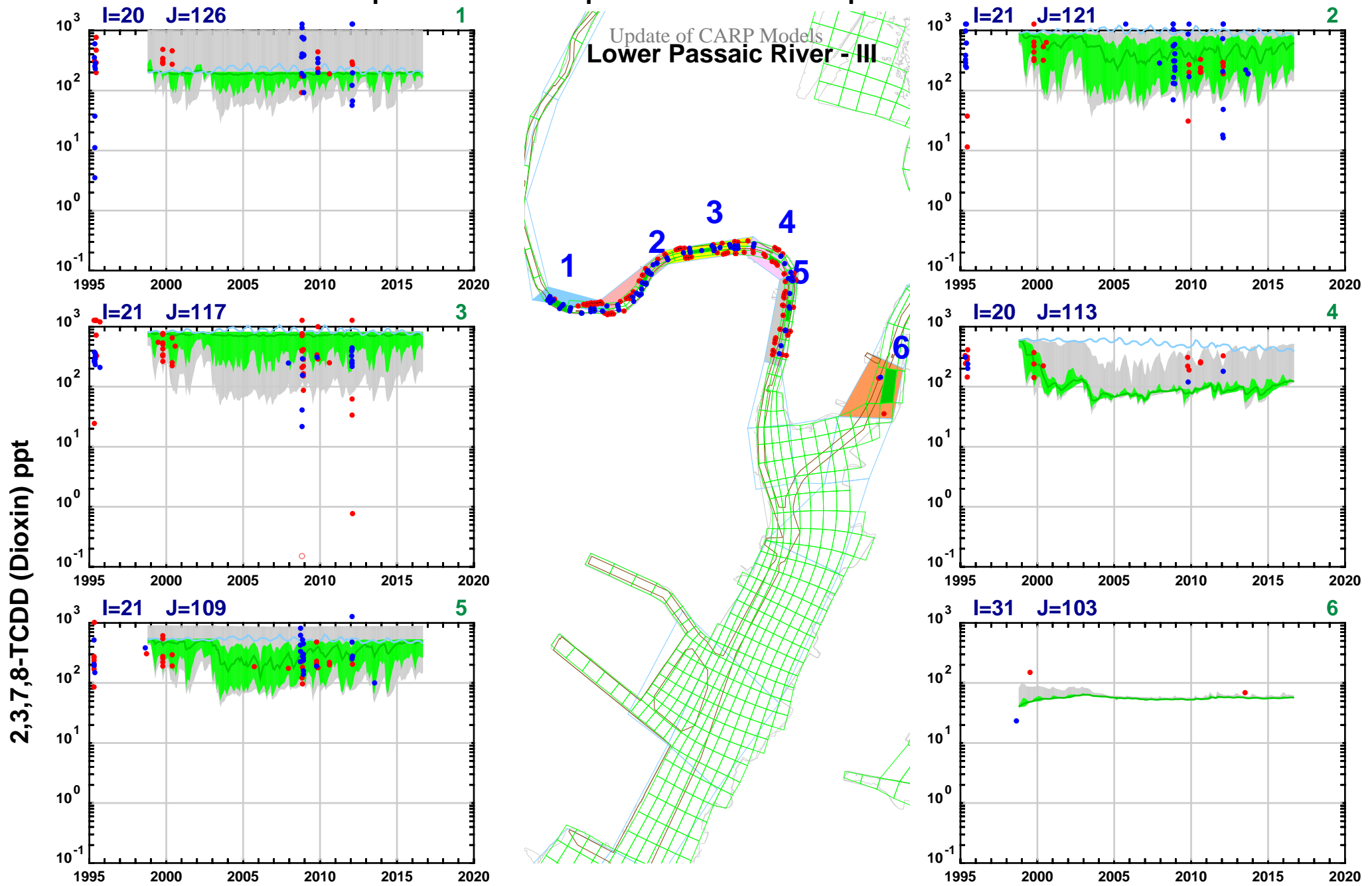


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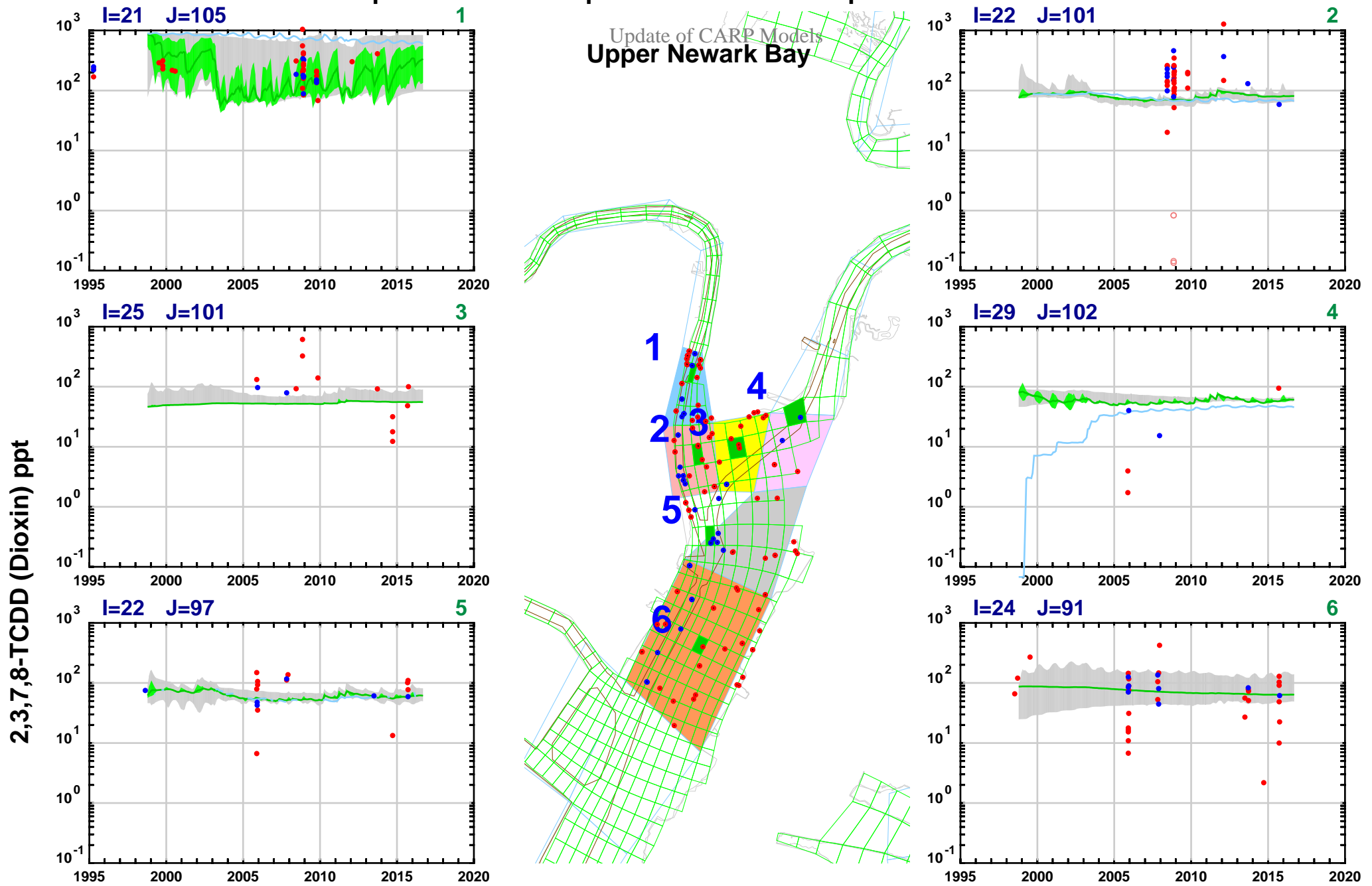


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Top 15 cm data comparison with model top 10 cm sediment



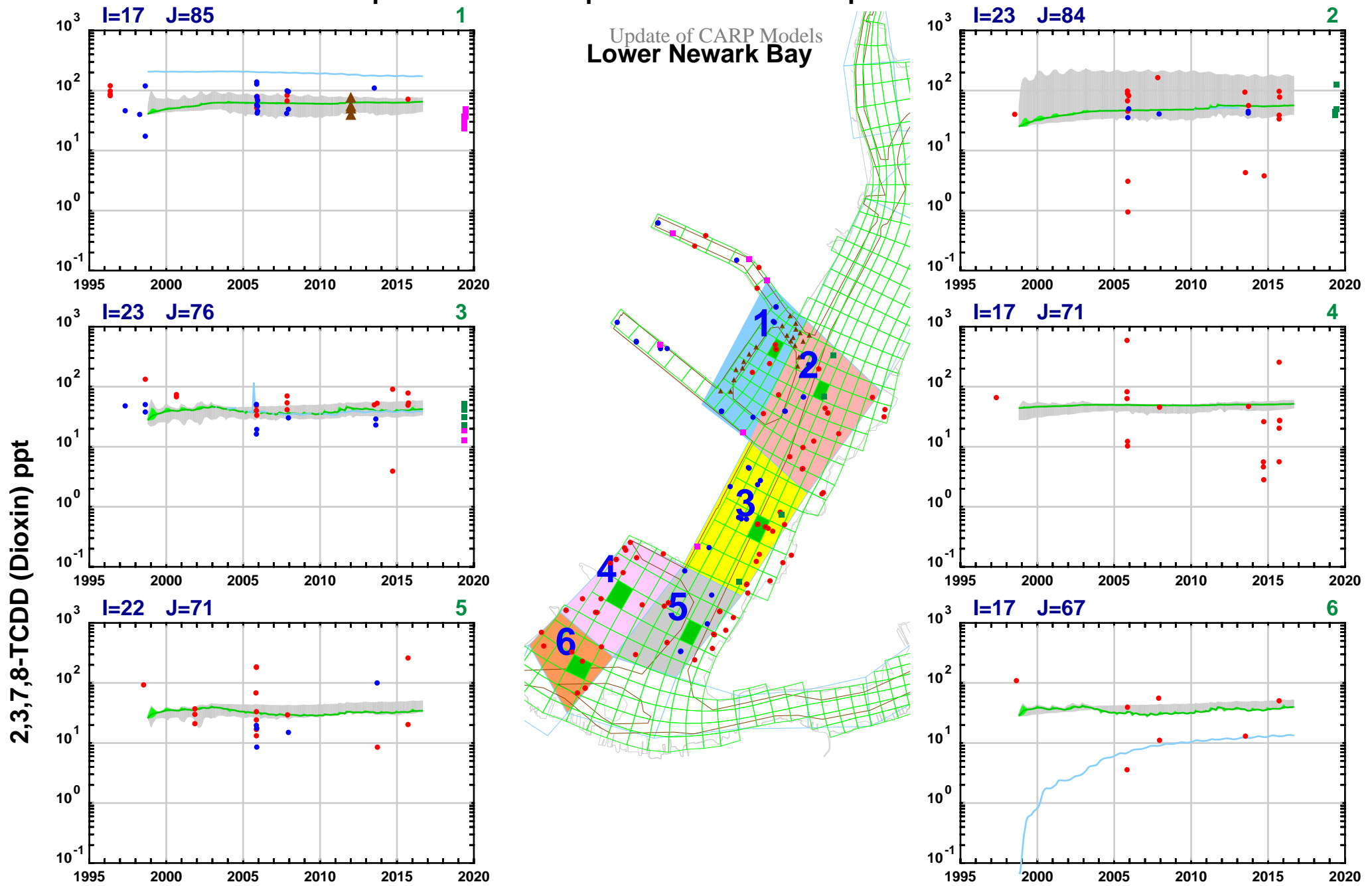
Update of CARP Models
Upper Newark Bay

RUN18

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Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models
Lower Newark Bay

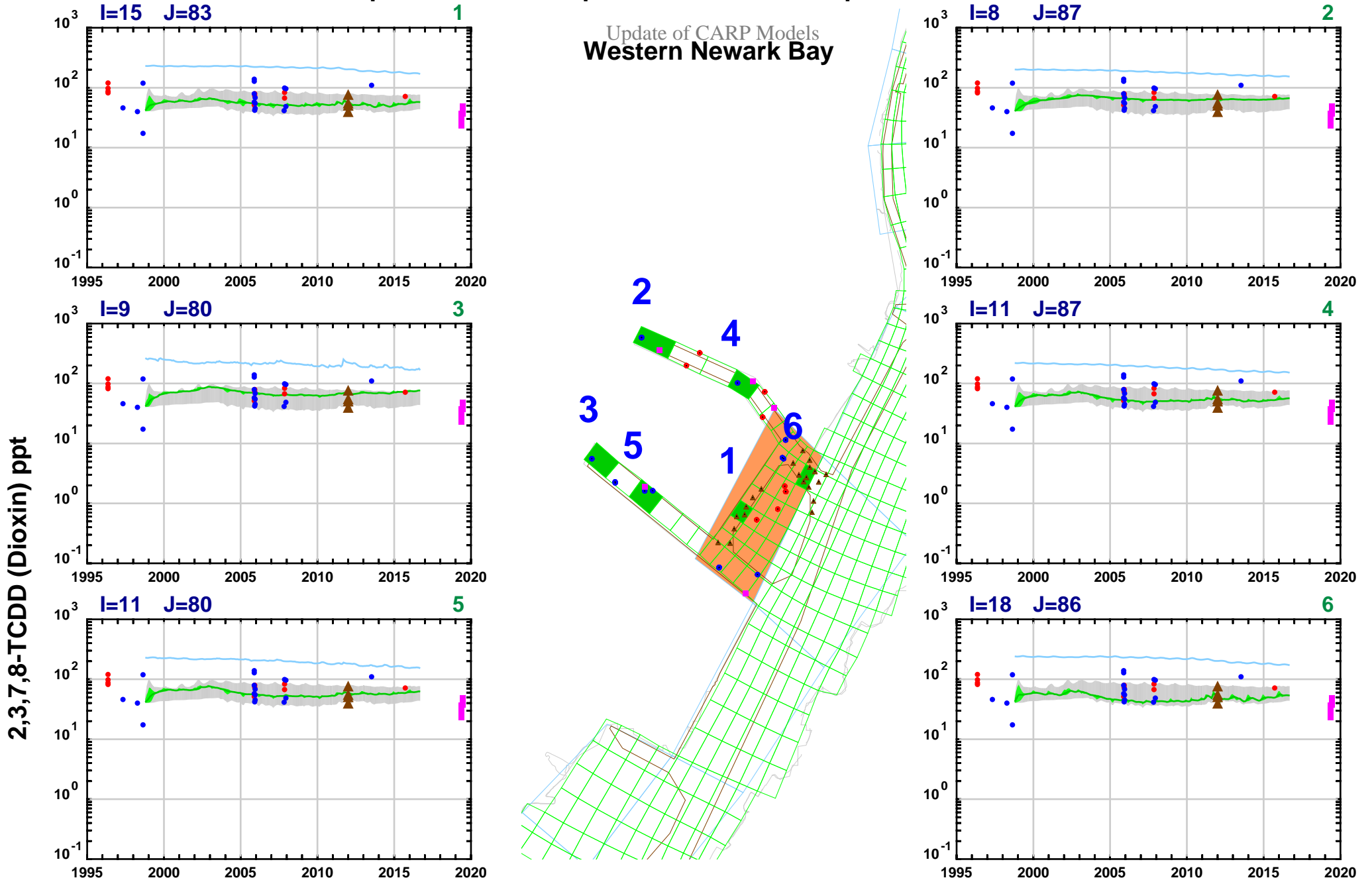
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Top 15 cm data comparison with model top 10 cm sediment

Update of CARP Models
Western Newark Bay



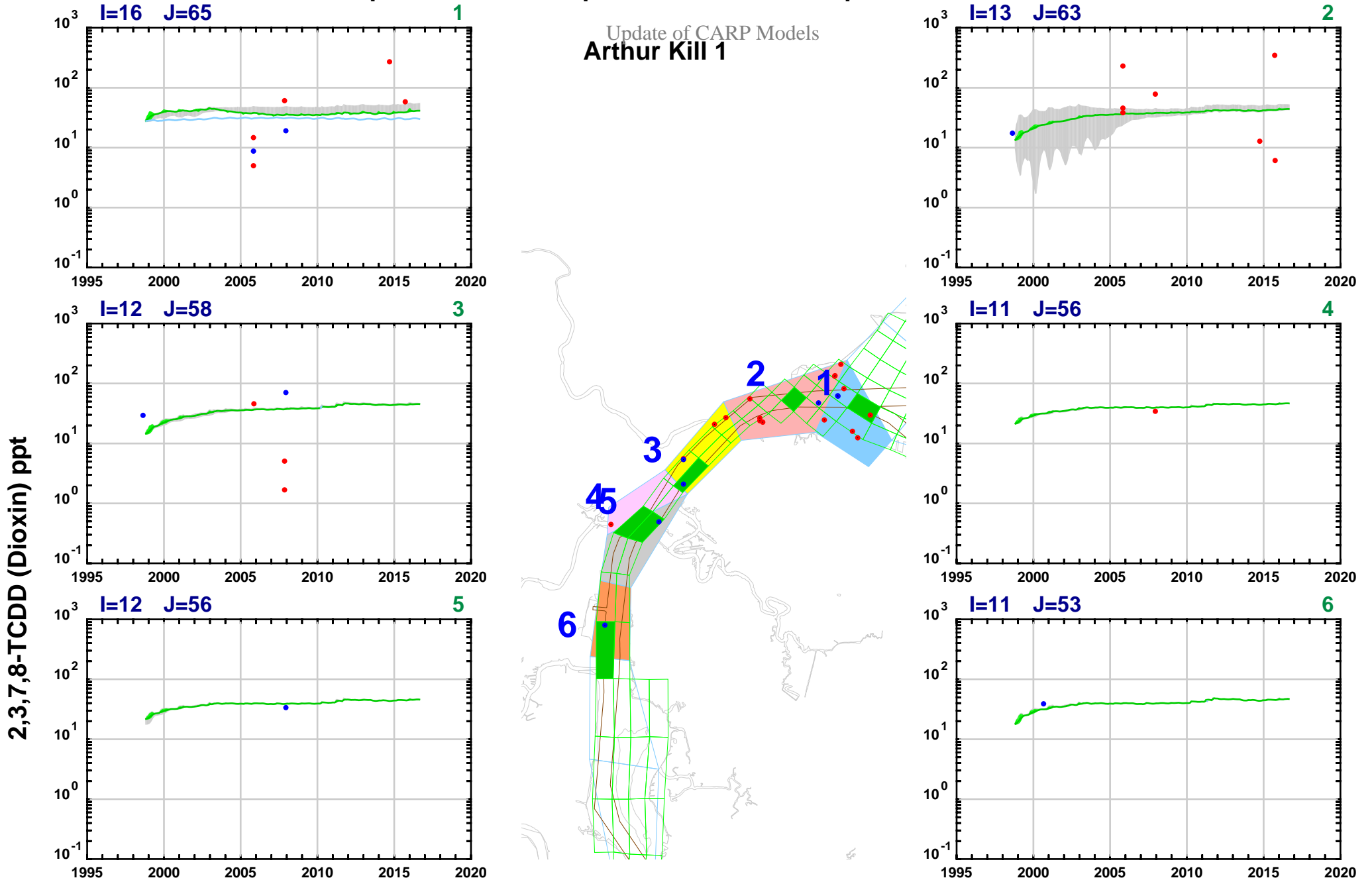
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Top 15 cm data comparison with model top 10 cm sediment

Update of CARP Models
Arthur Kill 1

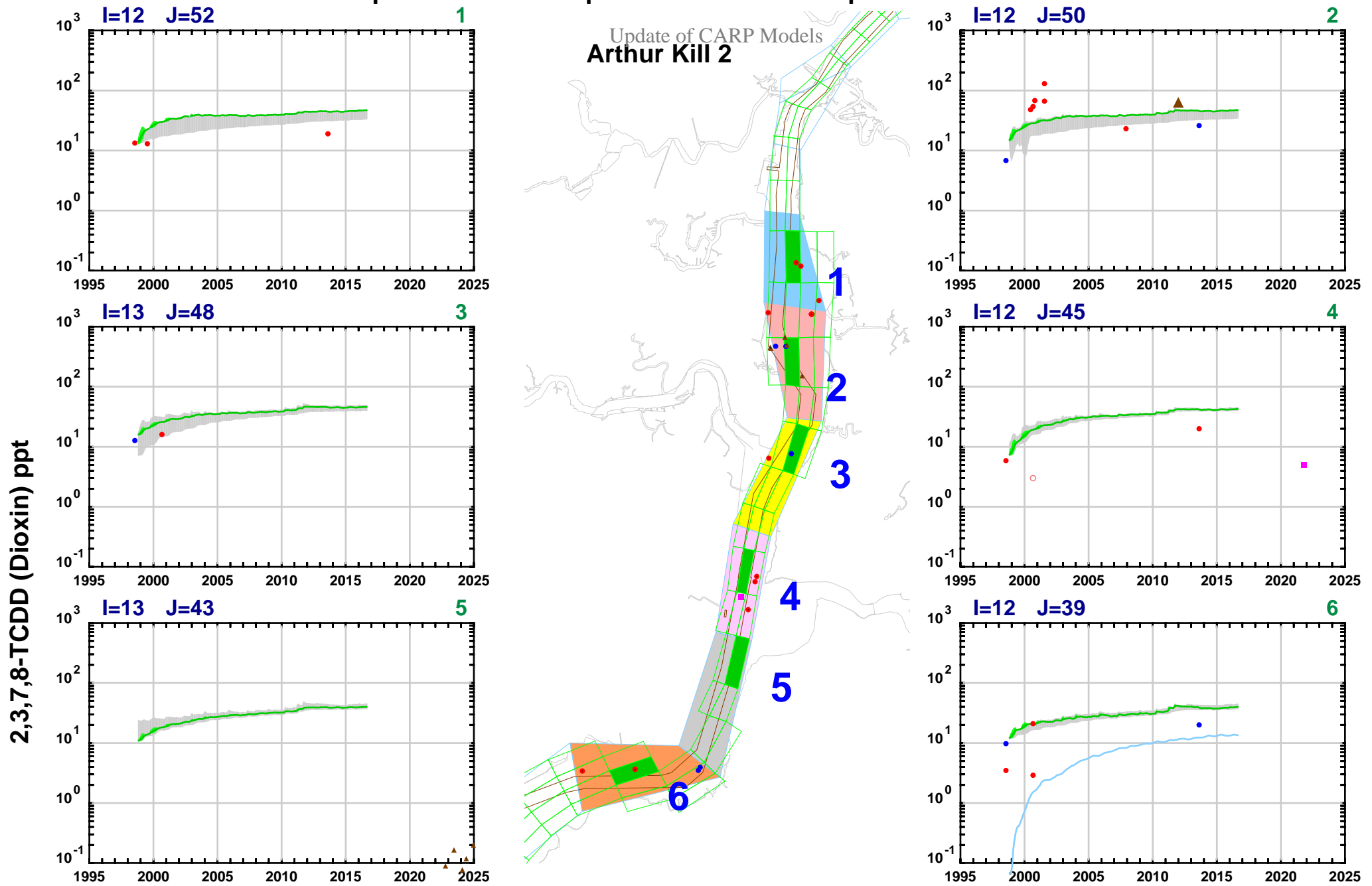


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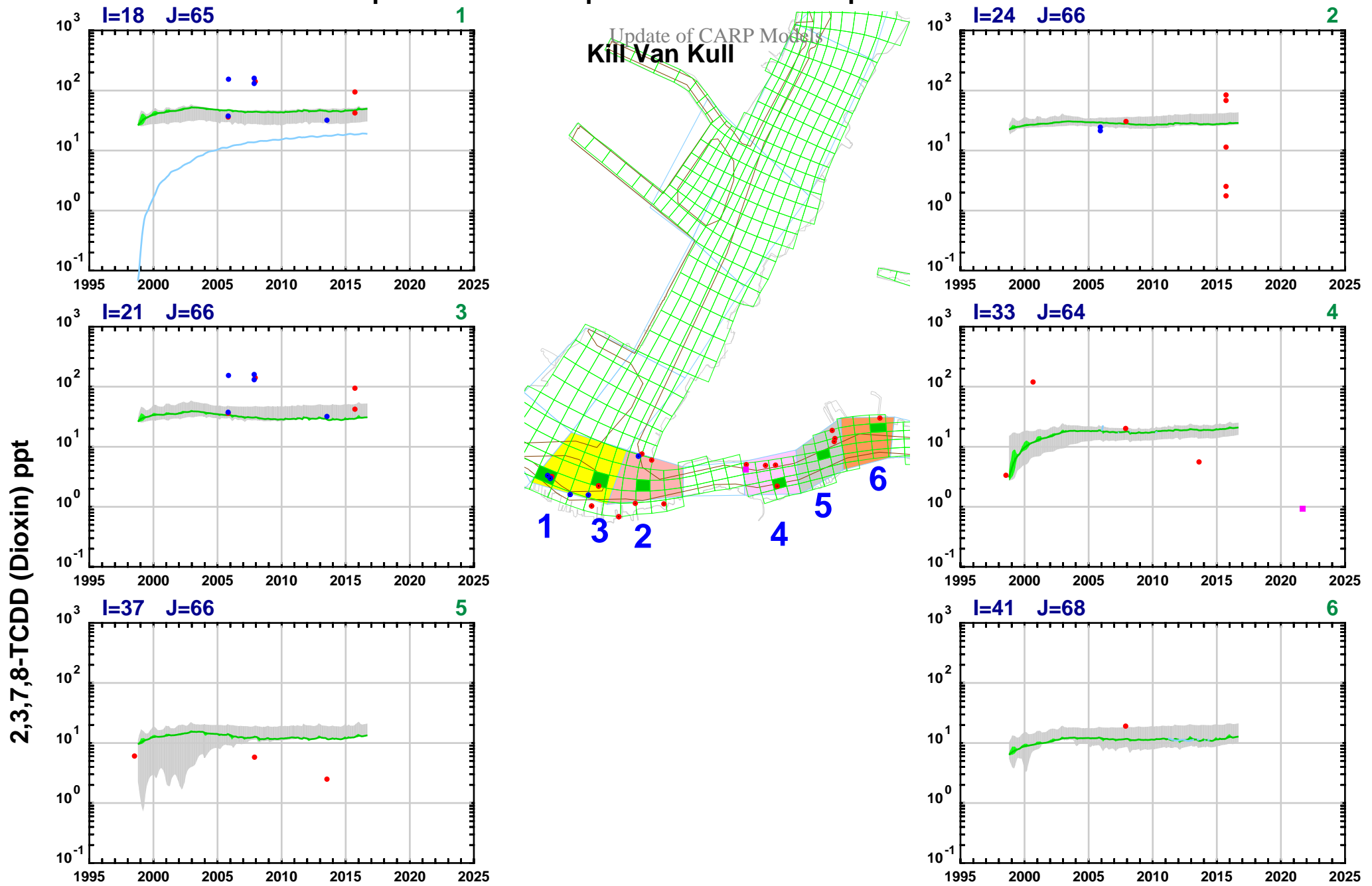


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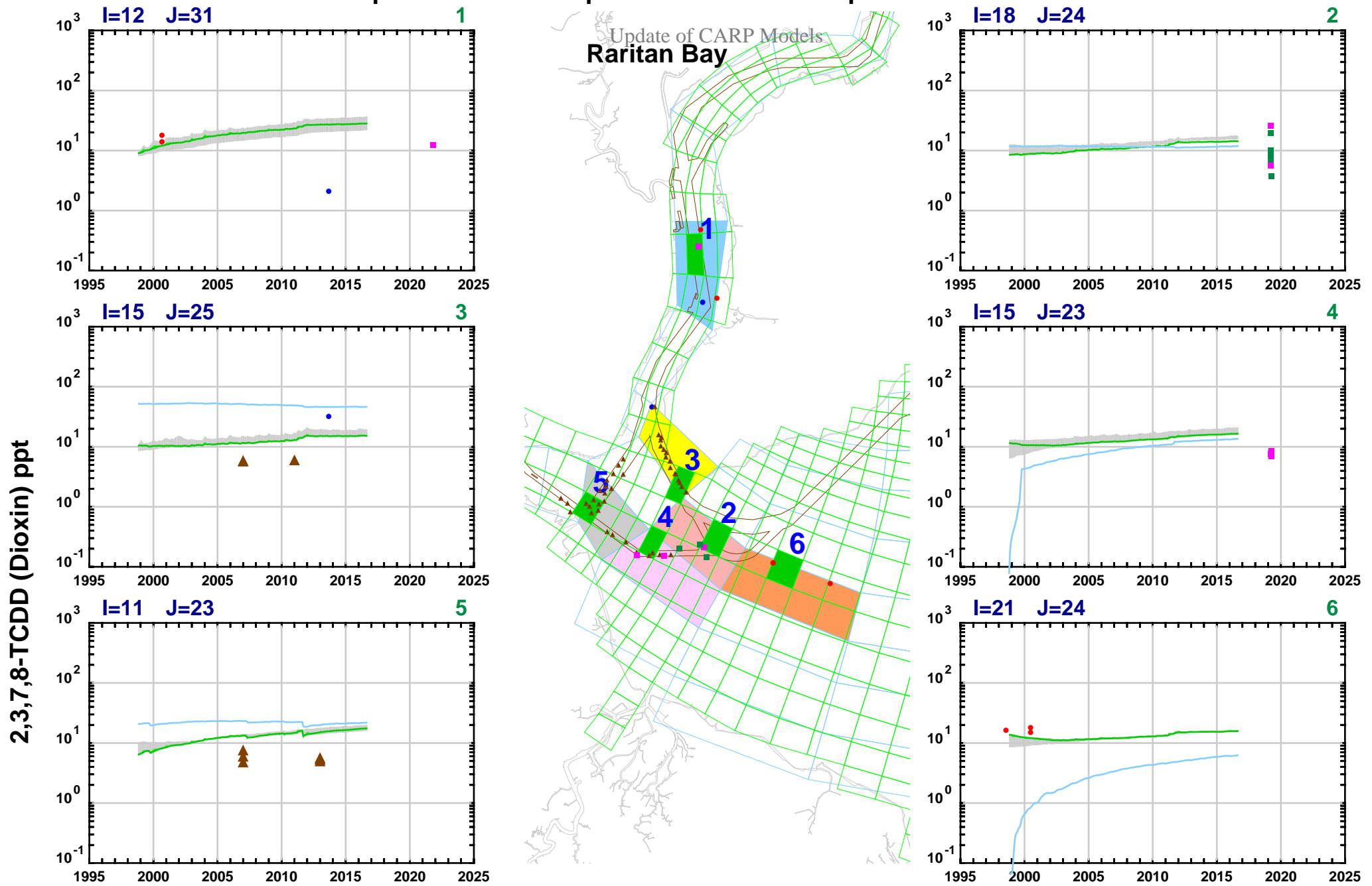


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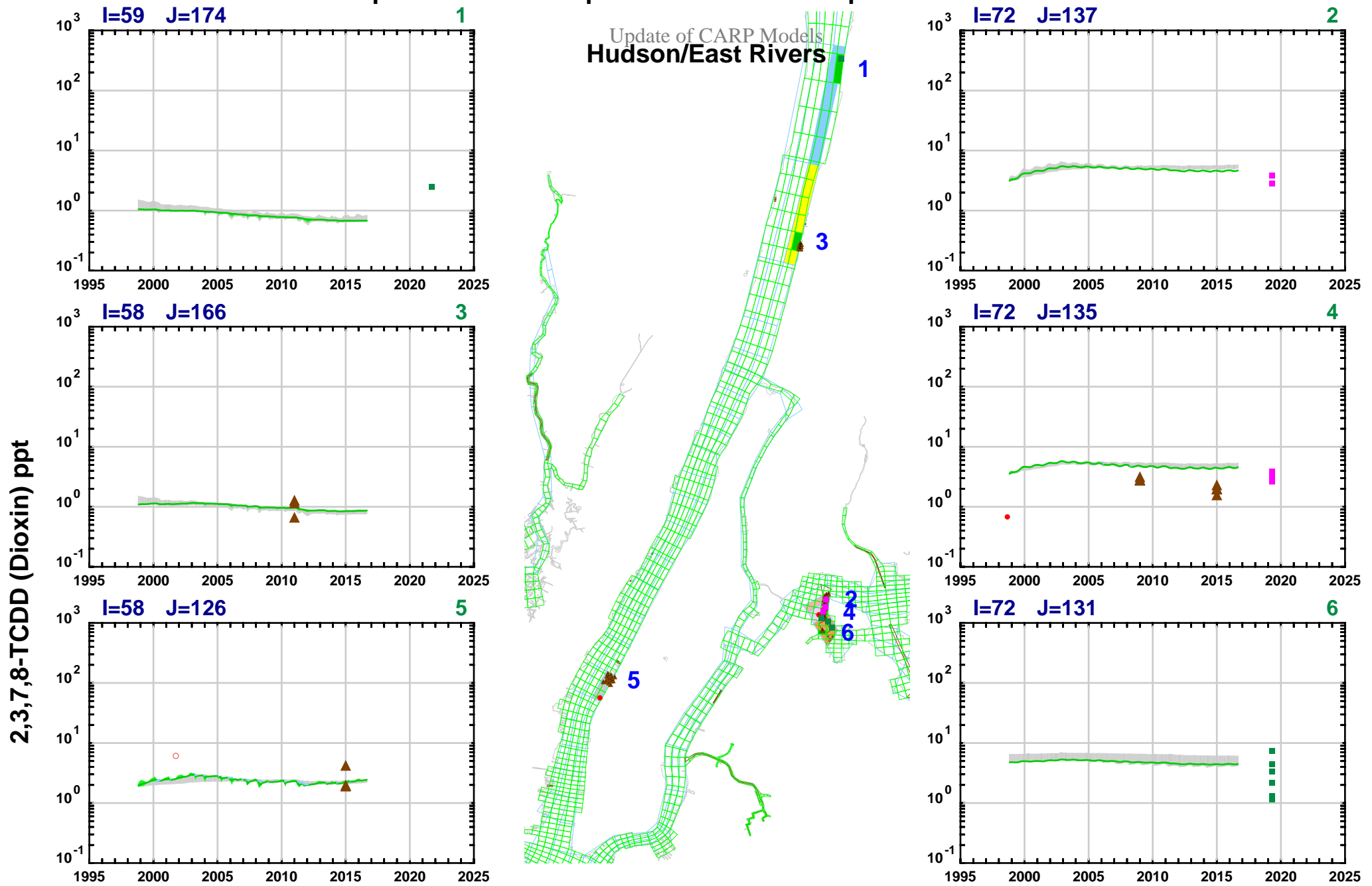


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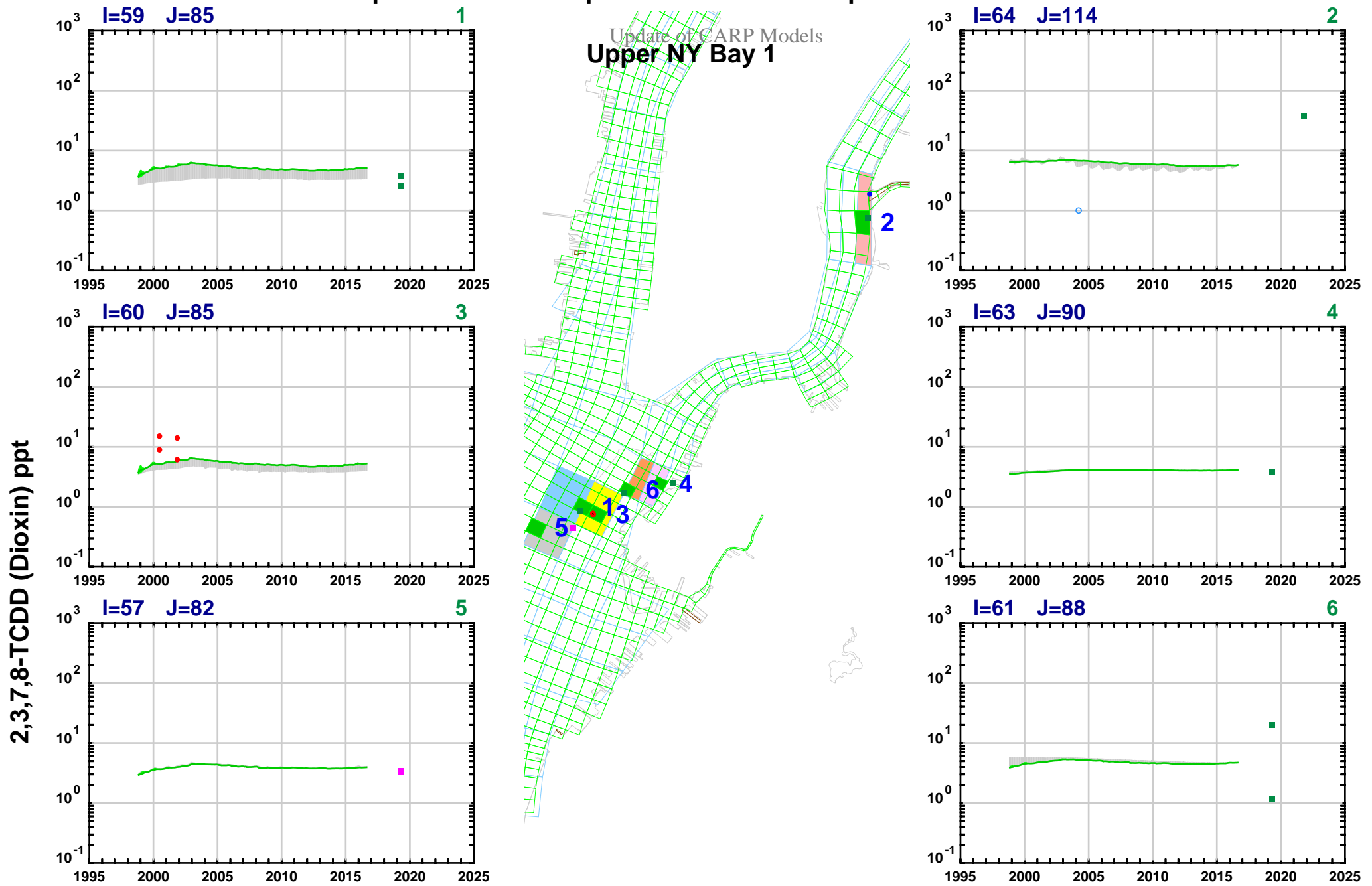


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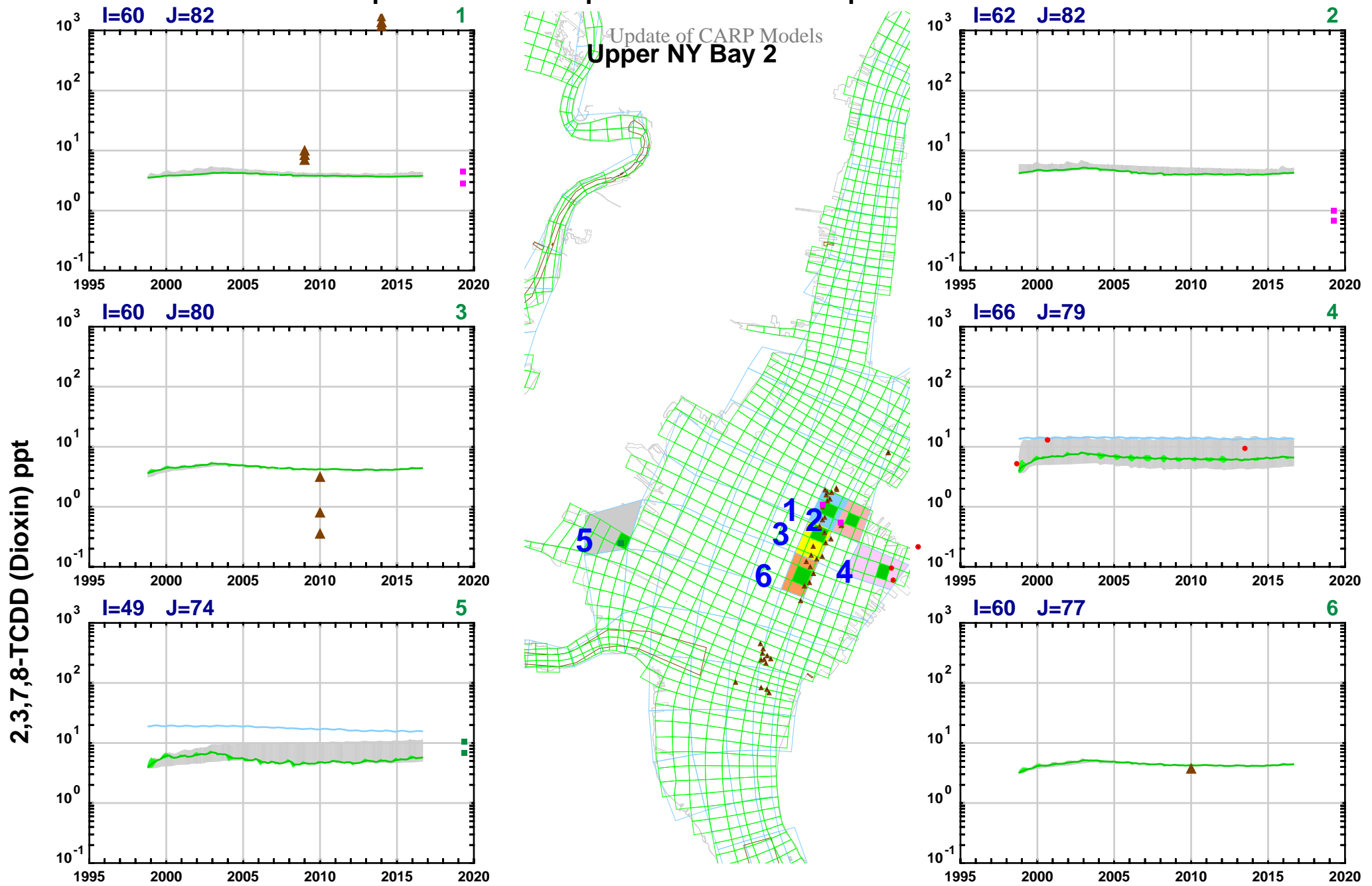


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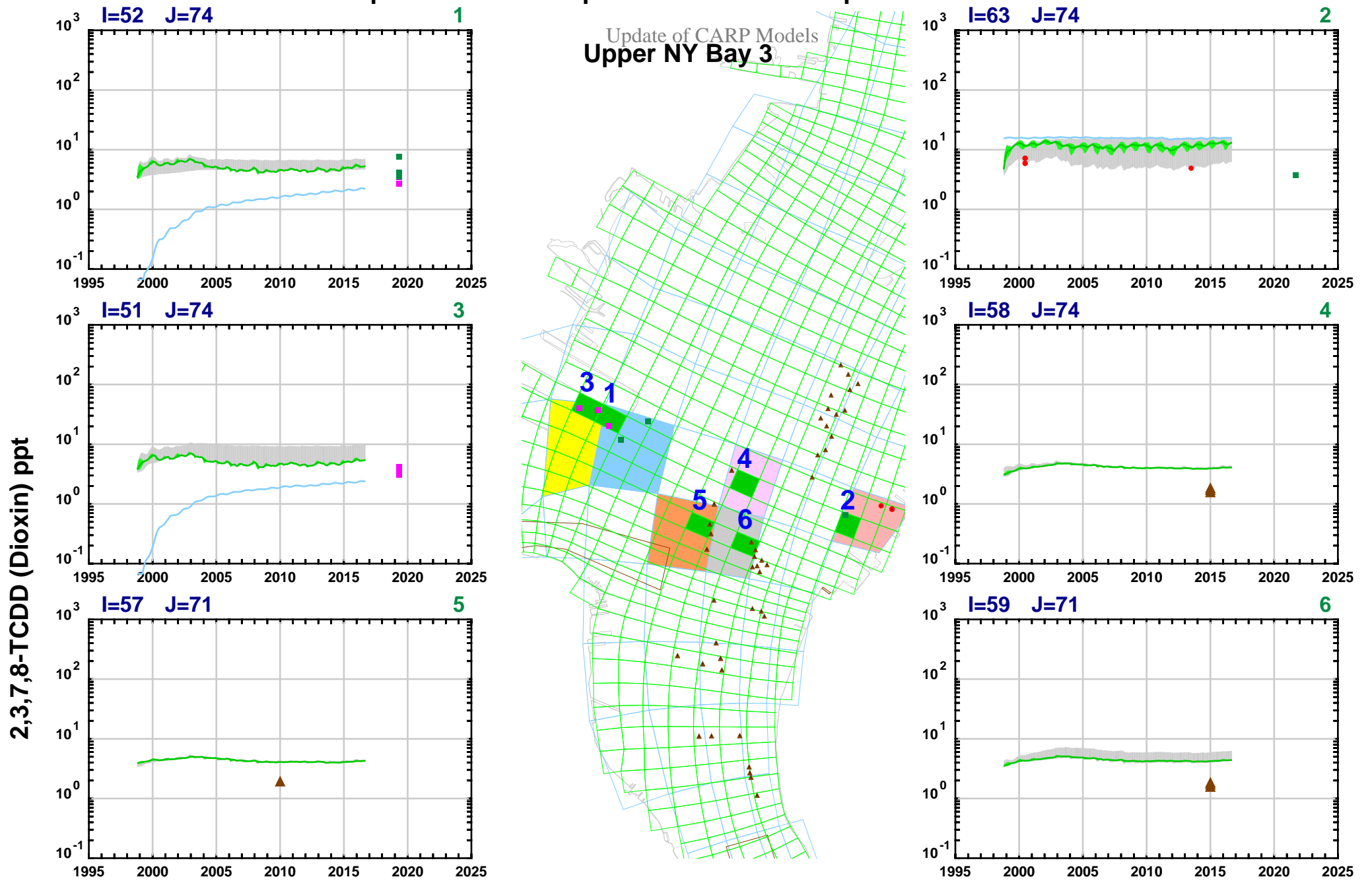


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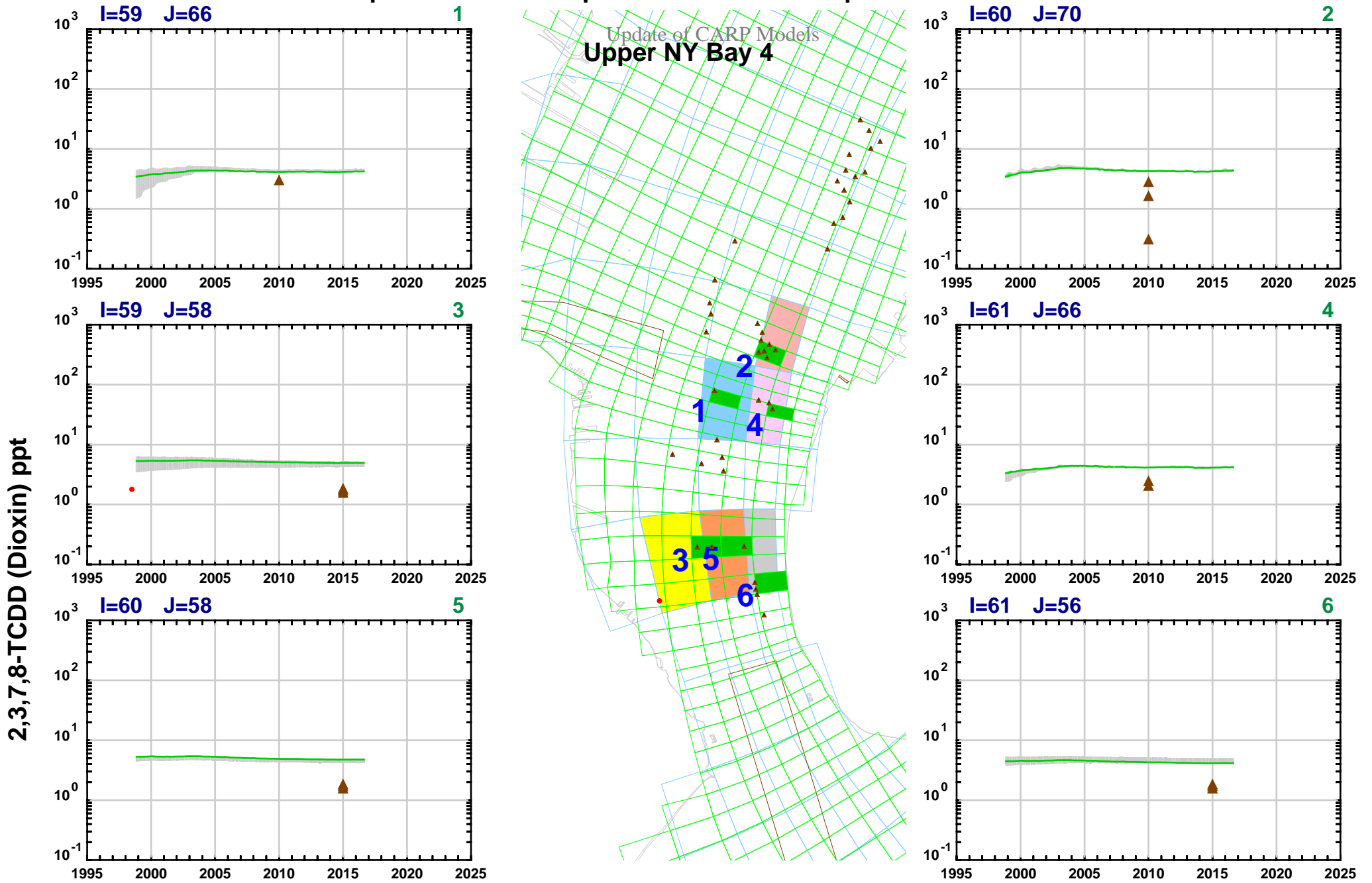


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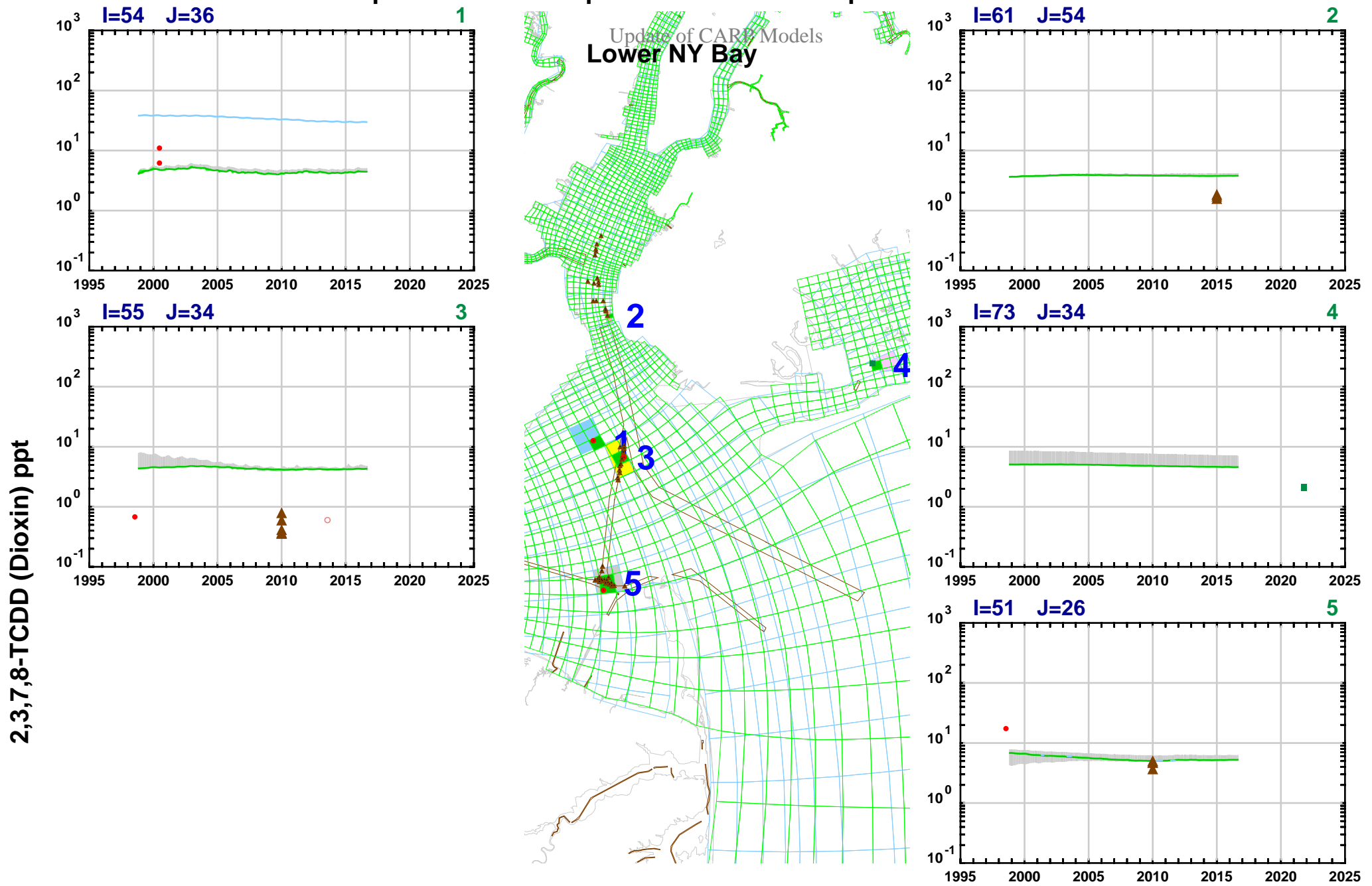


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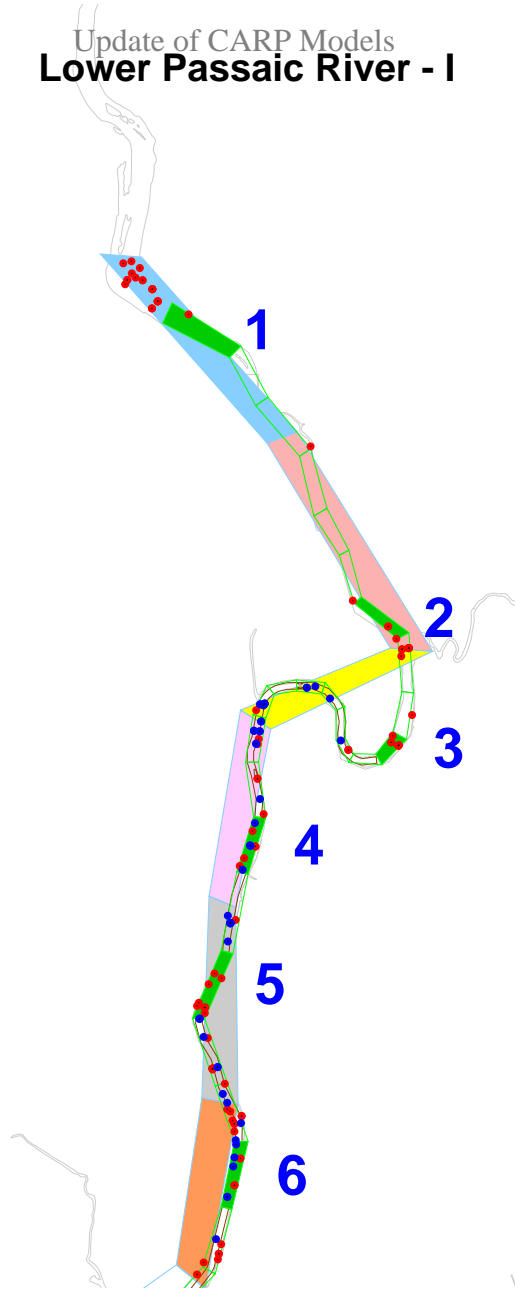
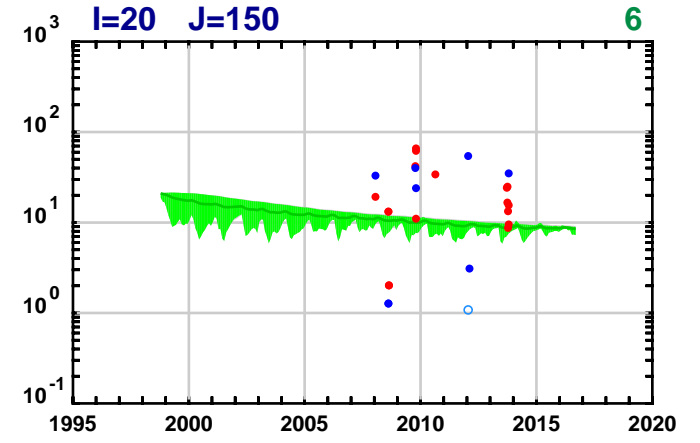
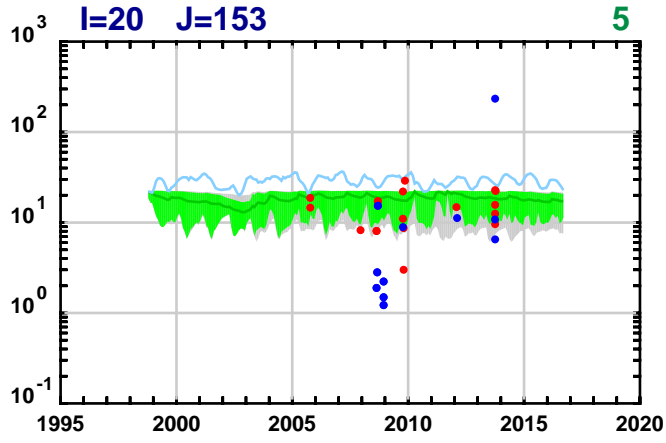
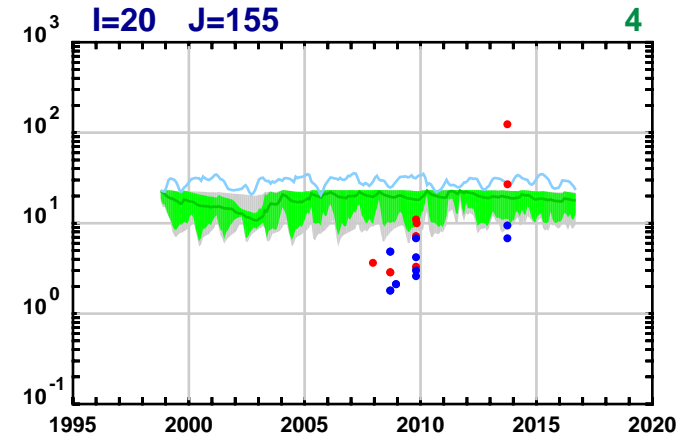
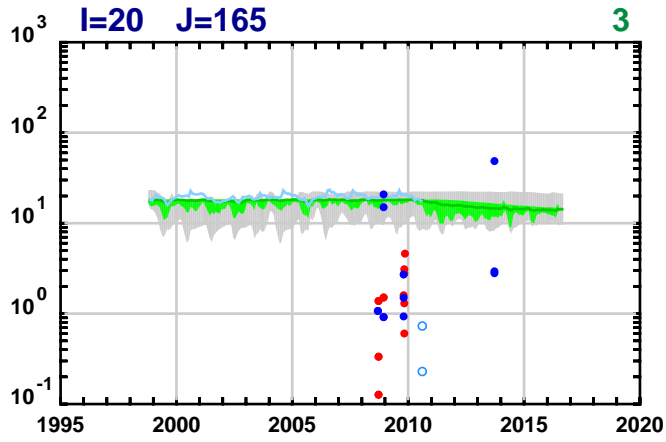
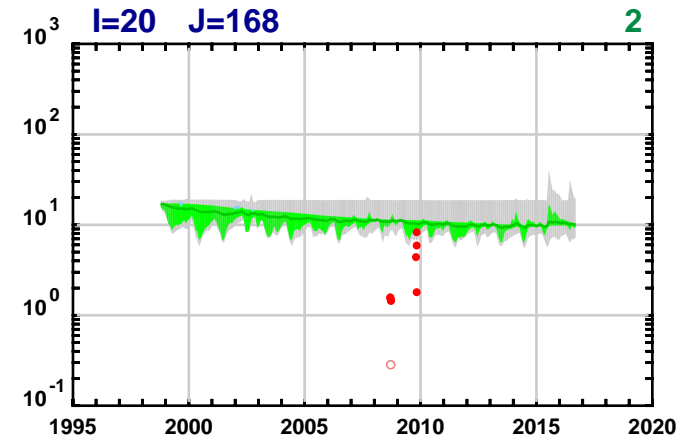
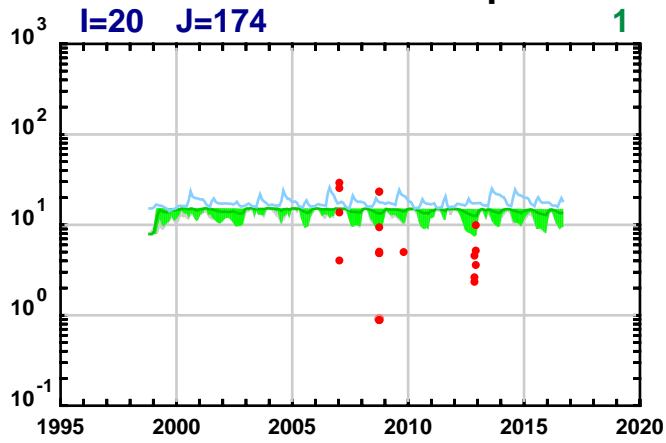
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Top 15 cm data comparison with model top 10 cm sediment

Update of CARP Models
Lower Passaic River - I

2,3,4,7,8-Pentachlorodibenzofuran ppt



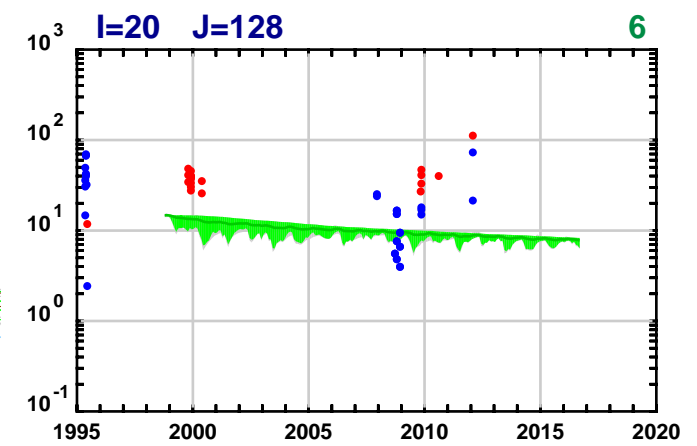
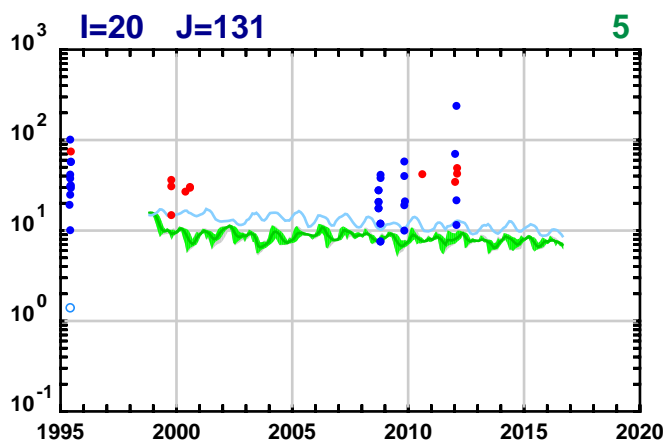
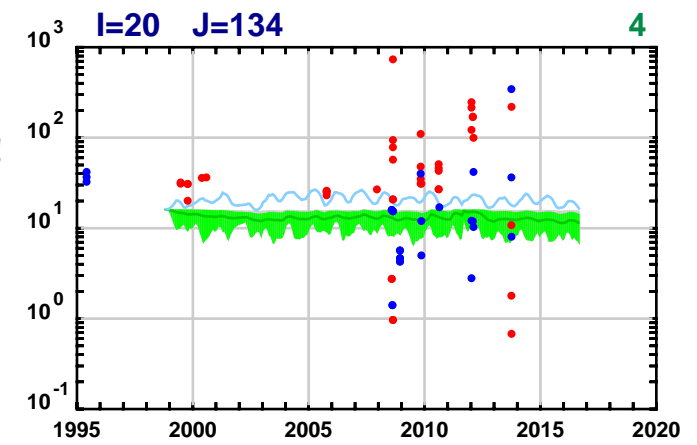
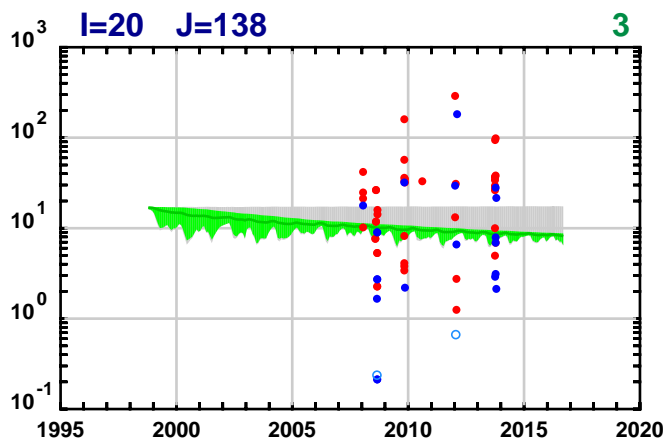
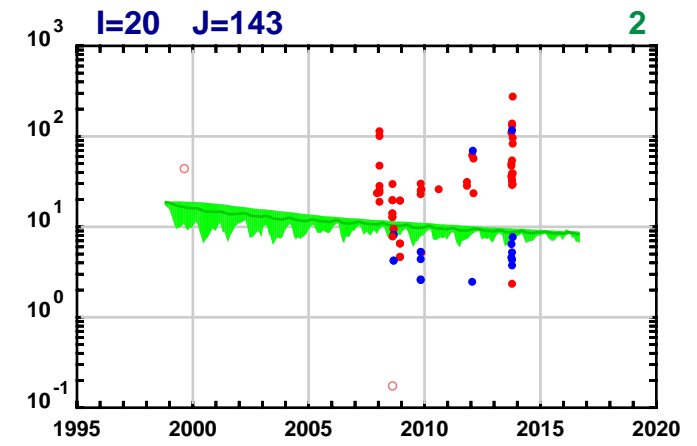
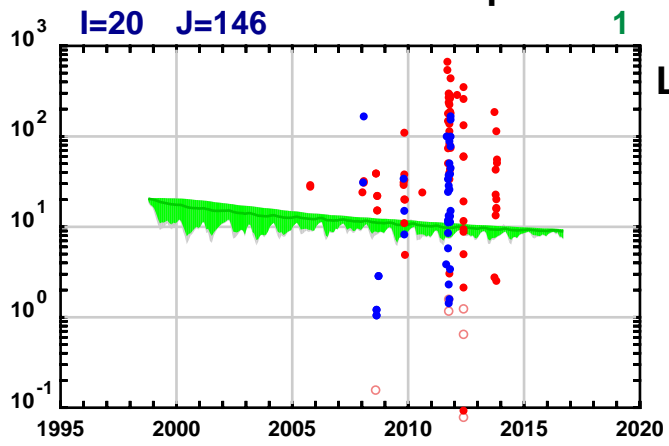
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Top 15 cm data comparison with model top 10 cm sediment

2,3,4,7,8-Pentachlorodibenzofuran ppt



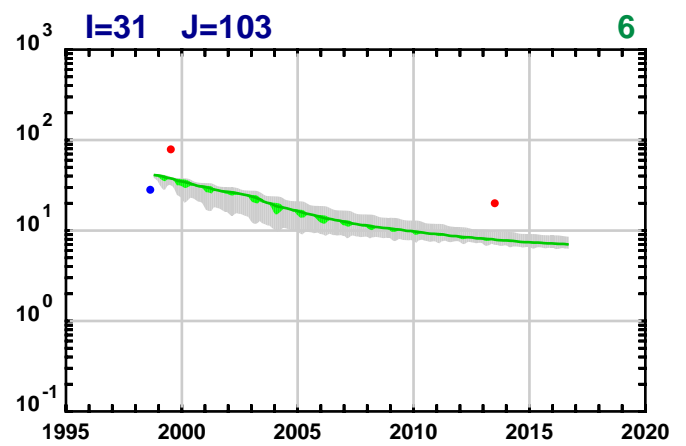
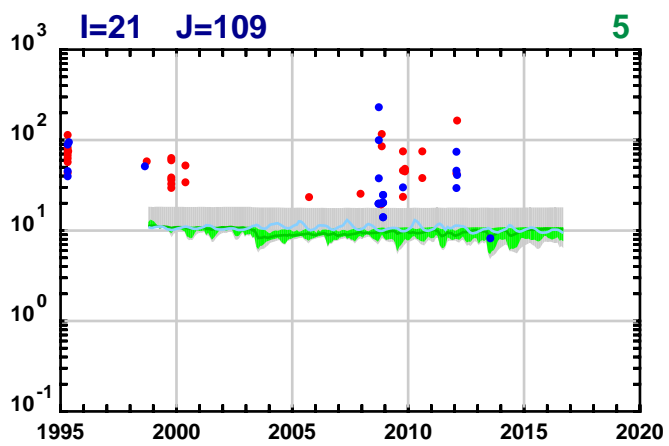
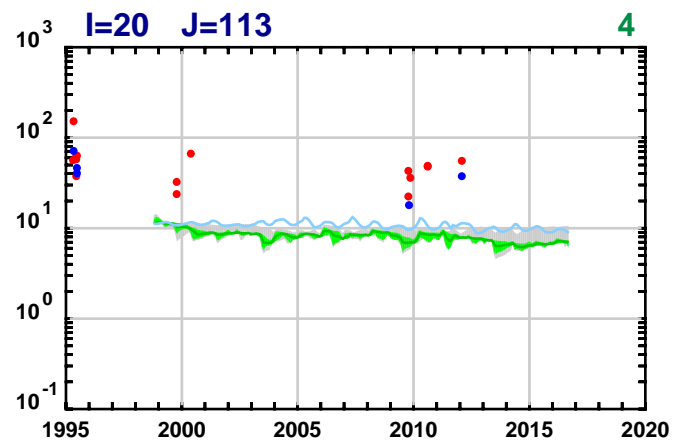
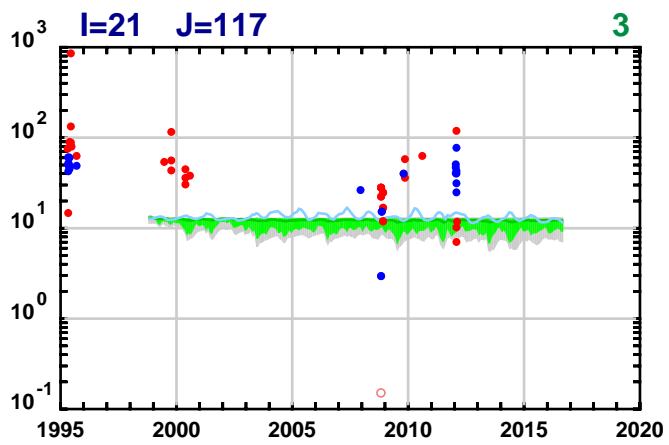
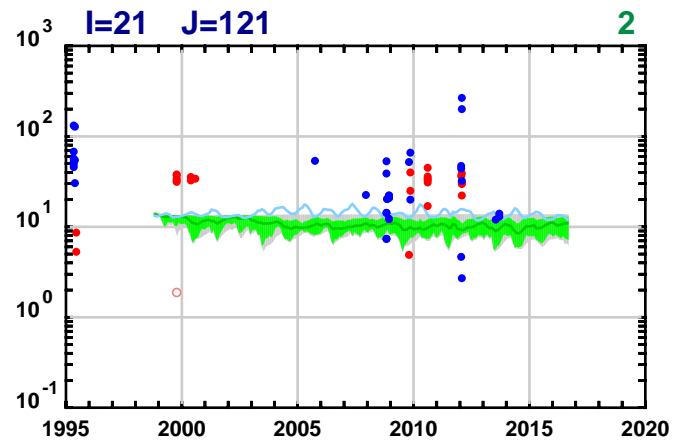
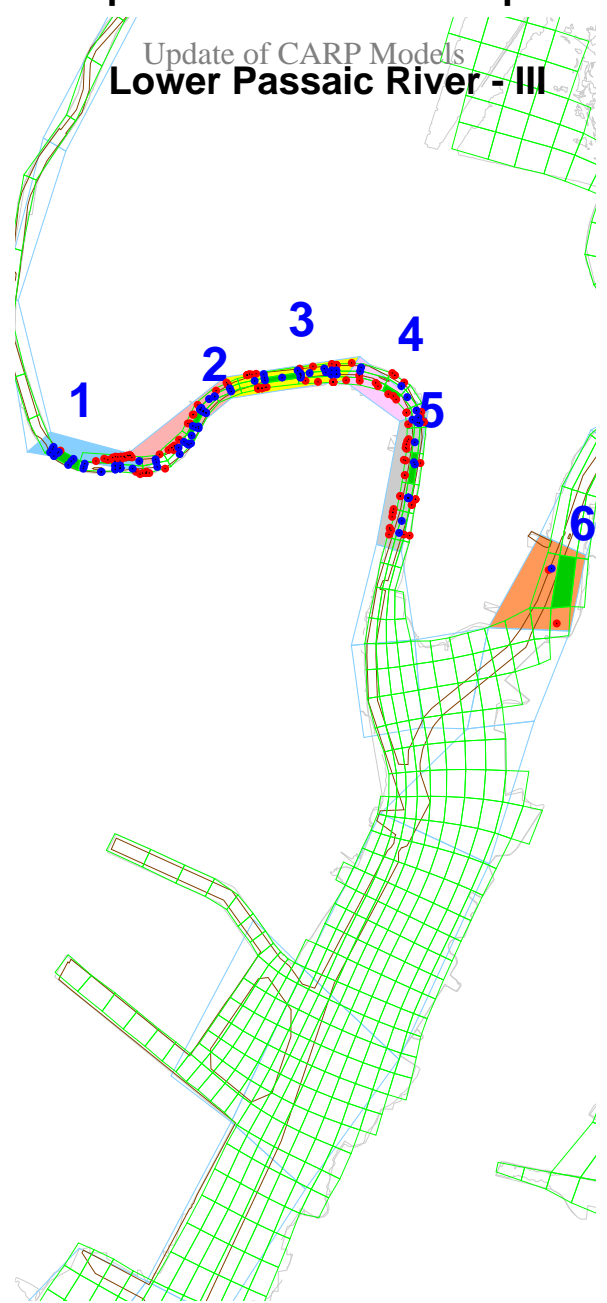
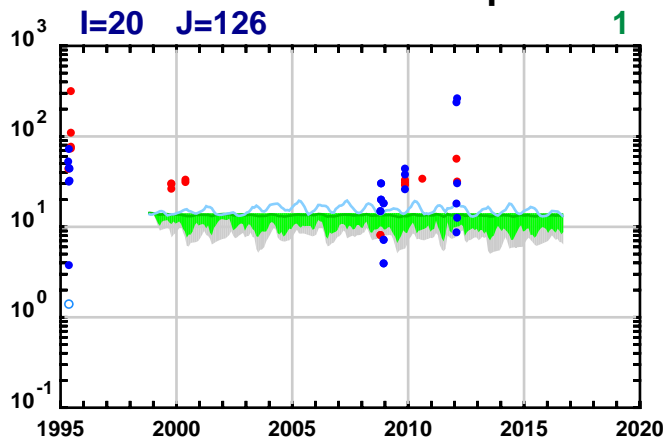
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Top 15 cm data comparison with model top 10 cm sediment

2,3,4,7,8-Pentachlorodibenzofuran ppt



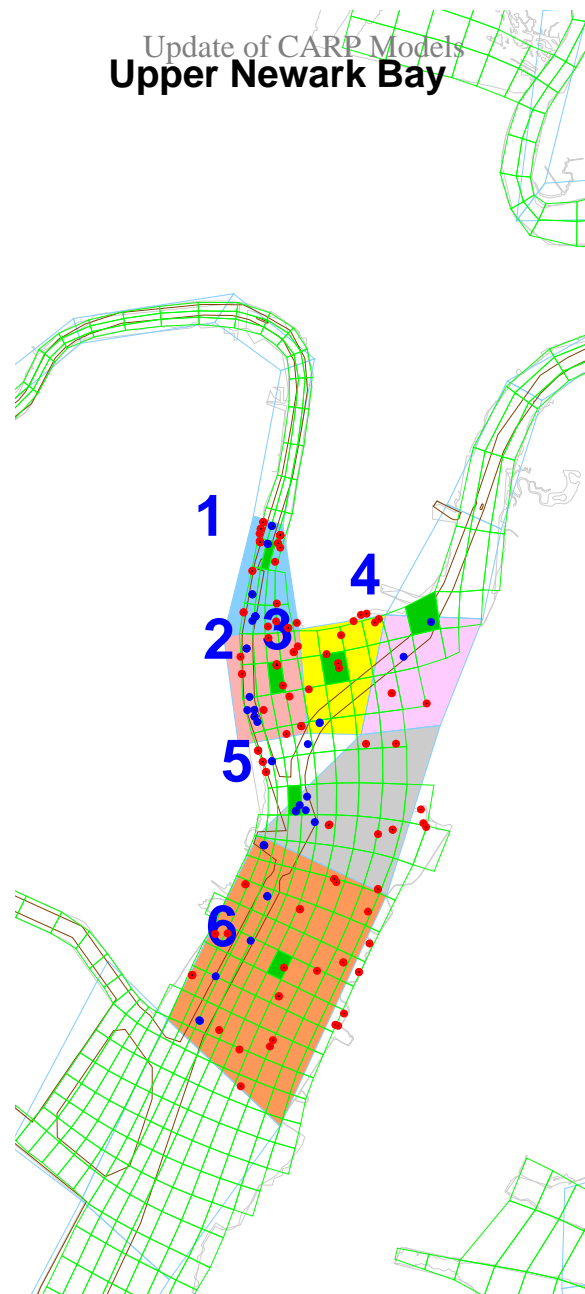
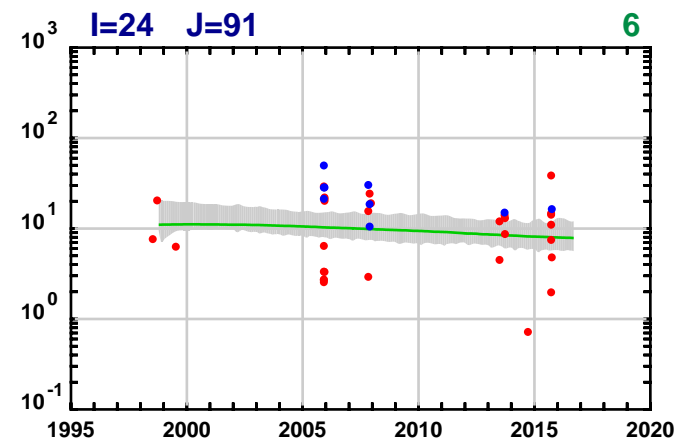
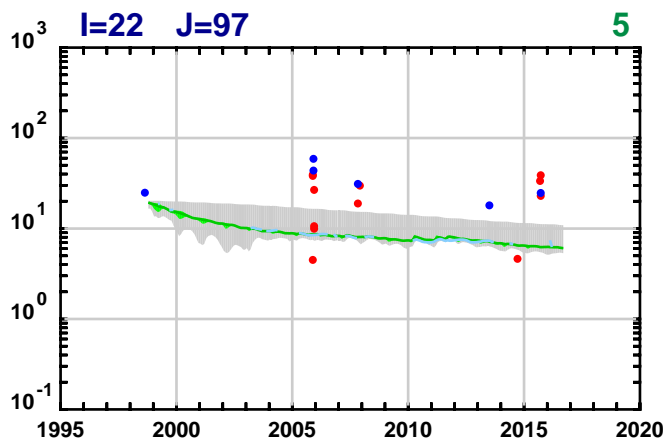
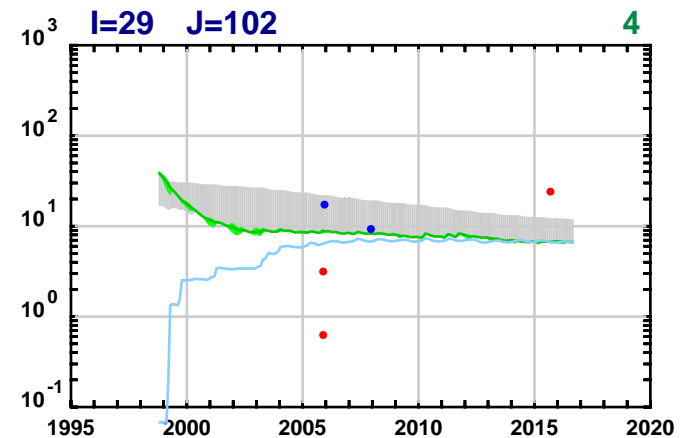
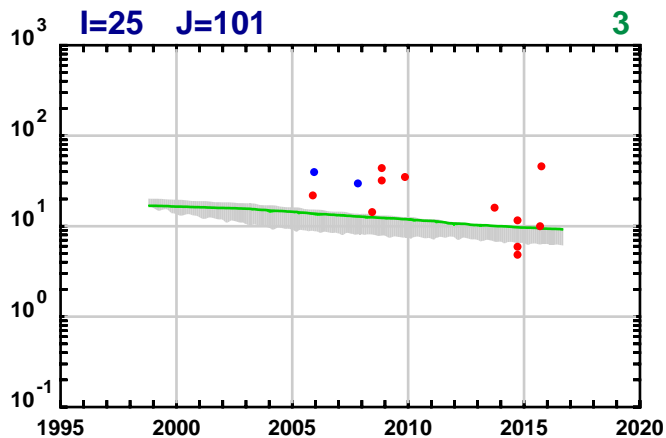
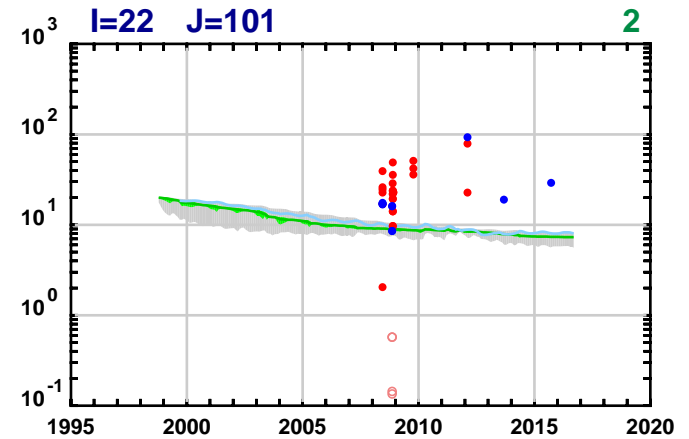
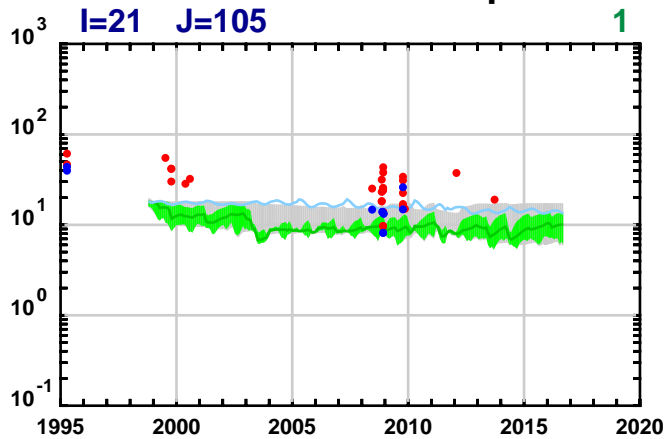
RUN18

Model: mean and range of values in top sediment
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Top 15 cm data comparison with model top 10 cm sediment

2,3,4,7,8-Pentachlorodibenzofuran ppt



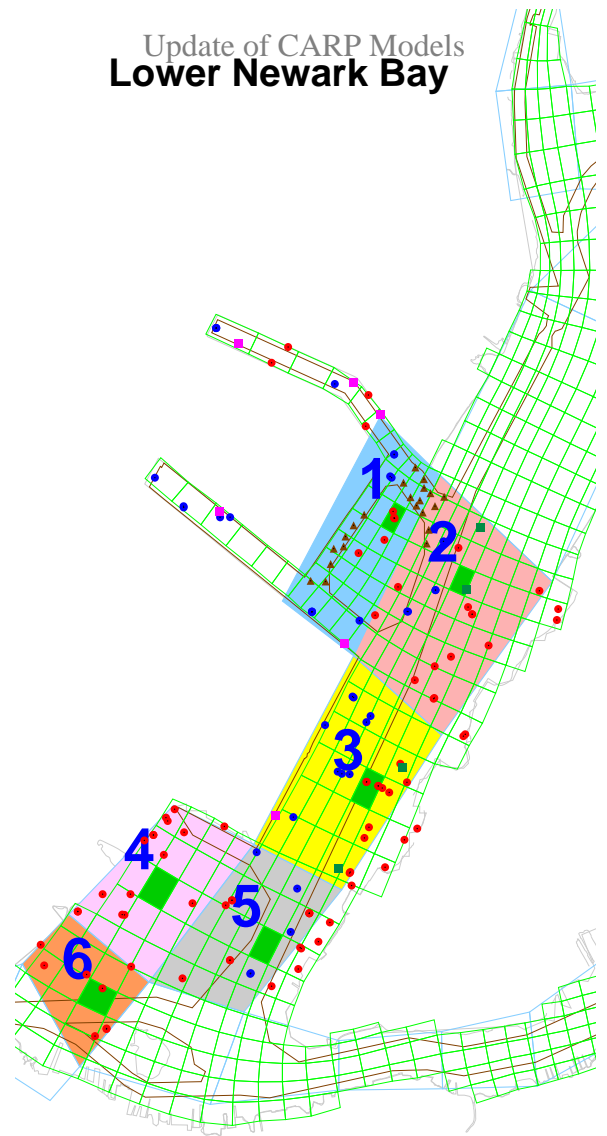
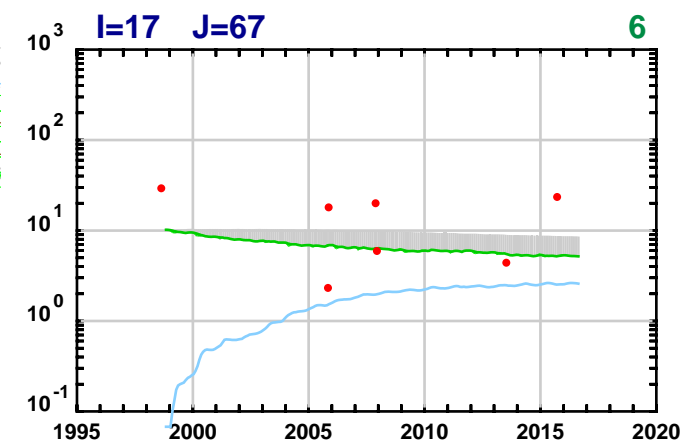
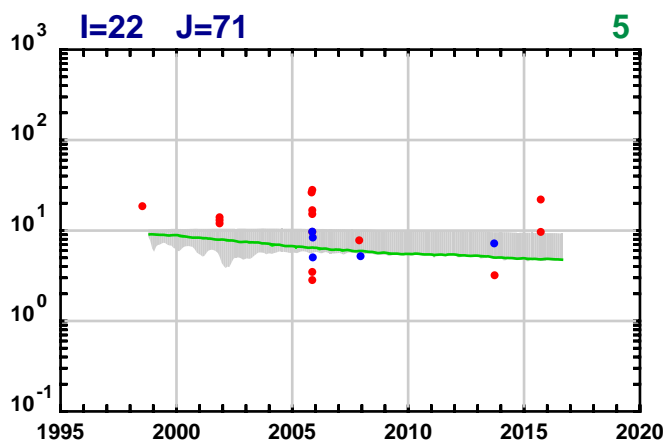
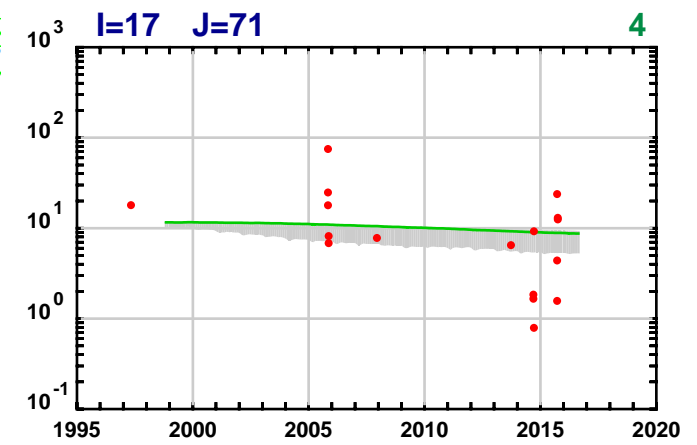
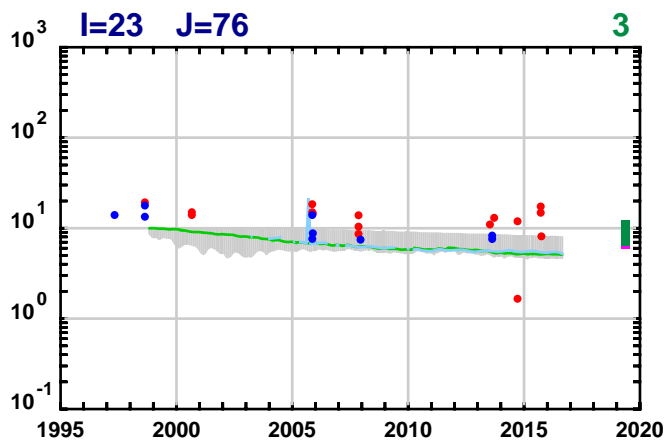
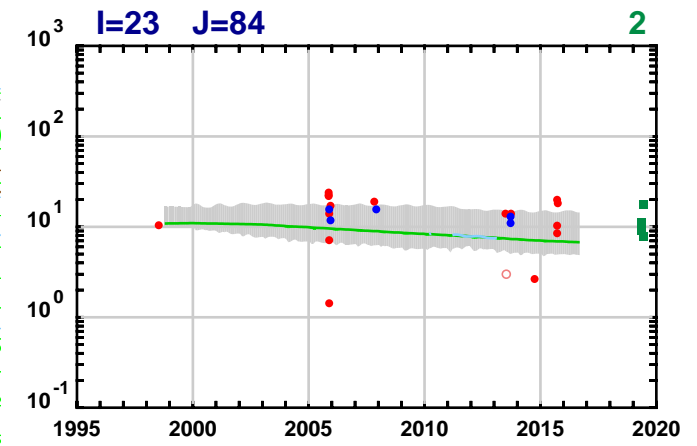
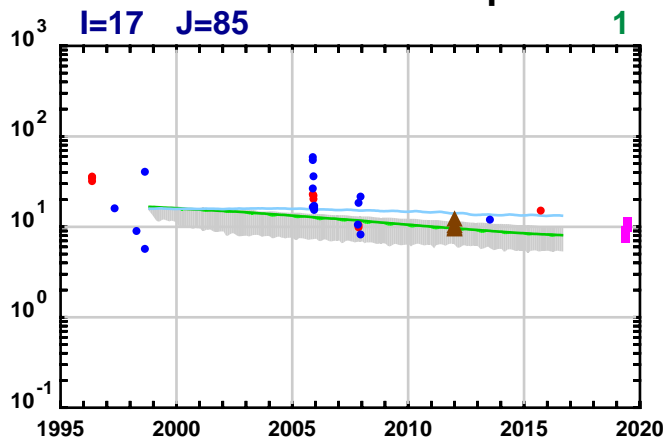
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Top 15 cm data comparison with model top 10 cm sediment

2,3,4,7,8-Pentachlorodibenzofuran ppt



RUN18

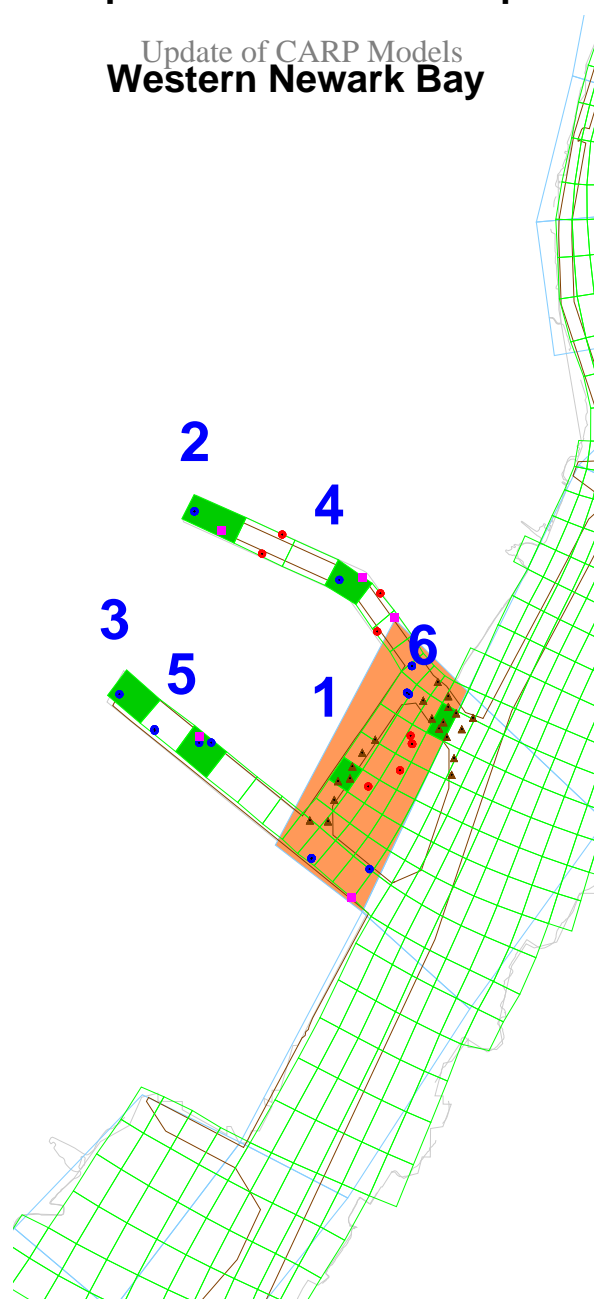
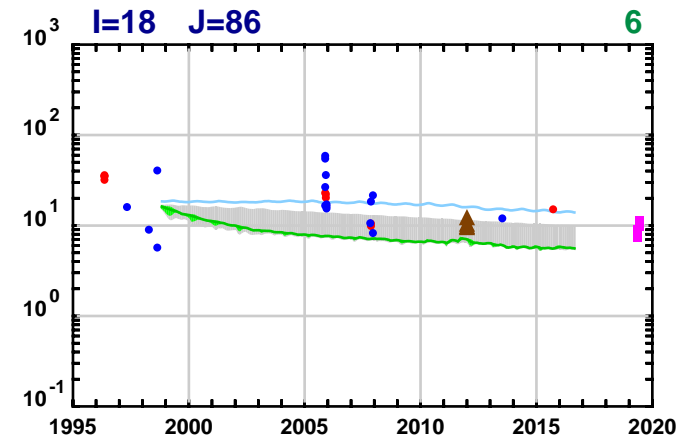
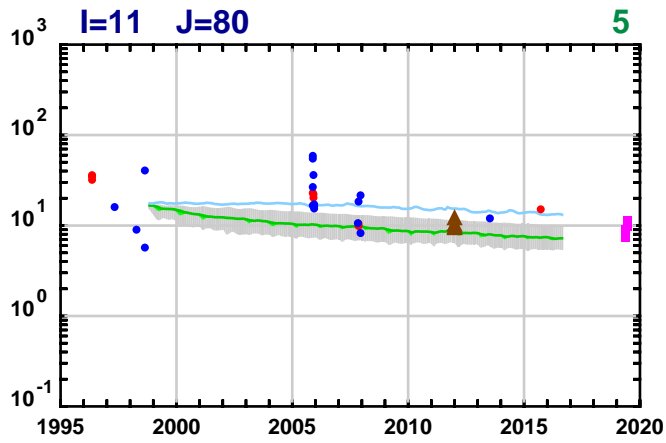
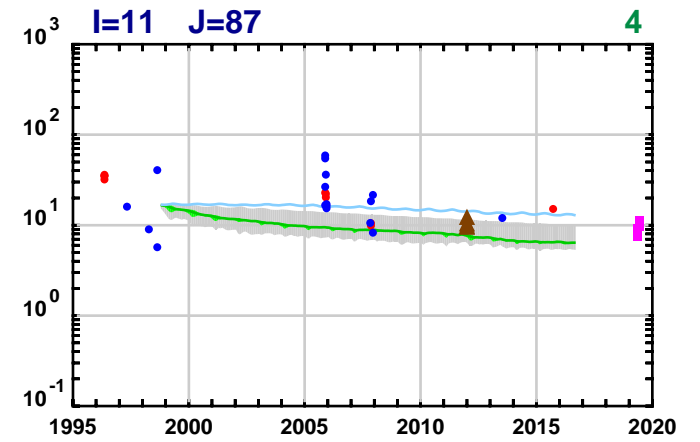
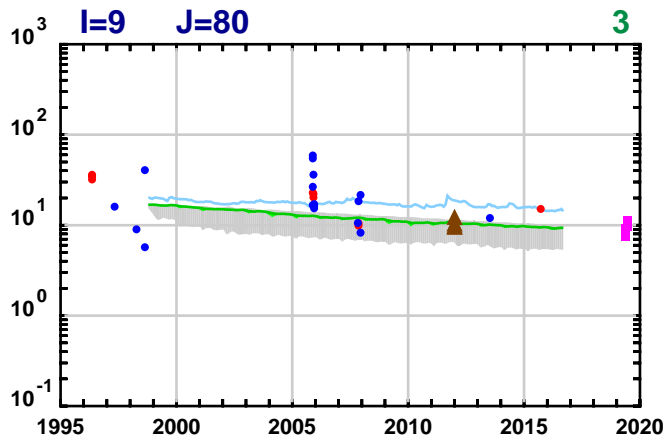
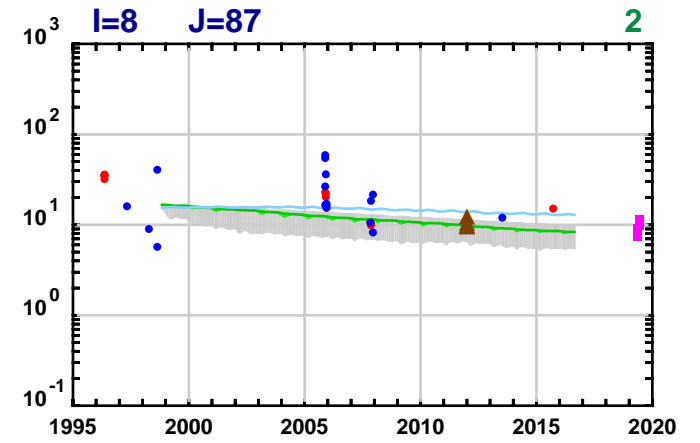
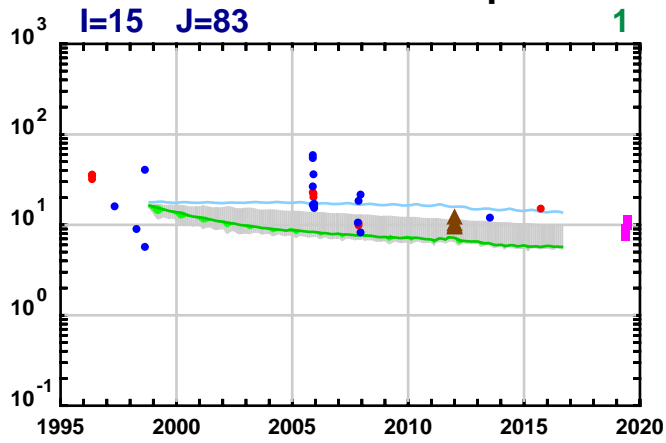
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Top 15 cm data comparison with model top 10 cm sediment

Update of CARP Models
Western Newark Bay

2,3,4,7,8-Pentachlorodibenzofuran ppt



RUN18

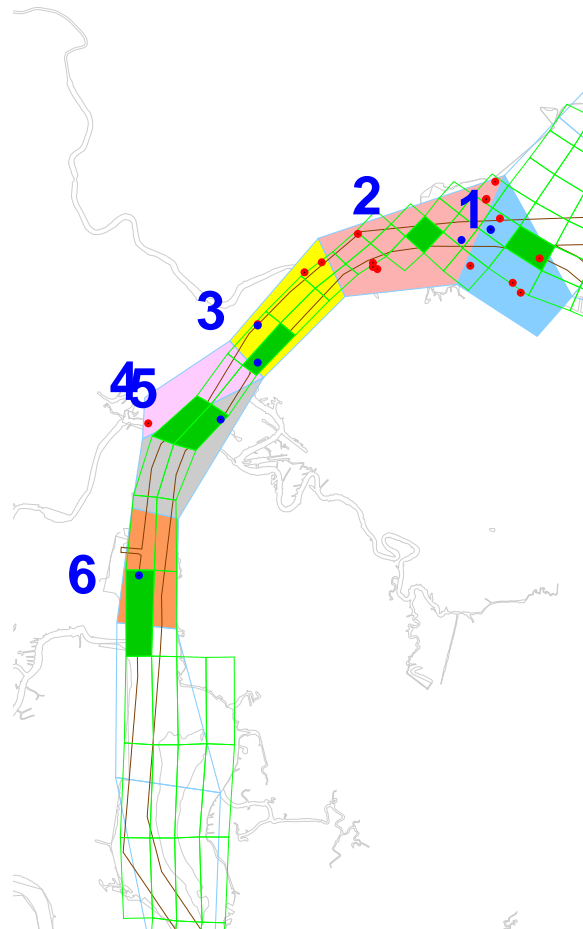
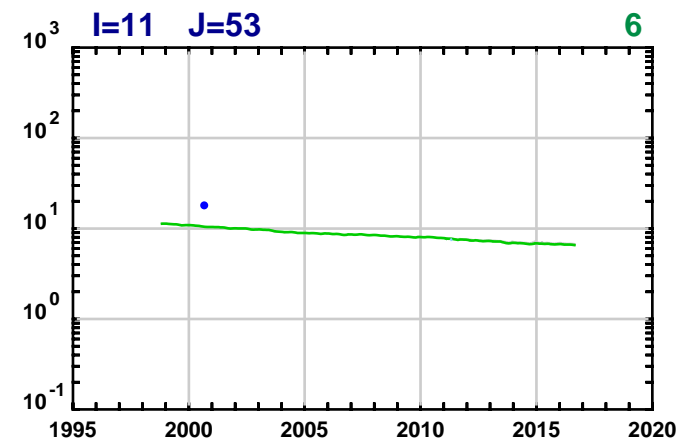
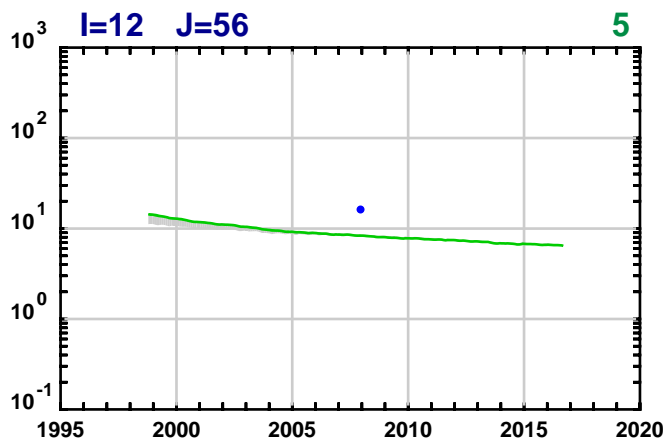
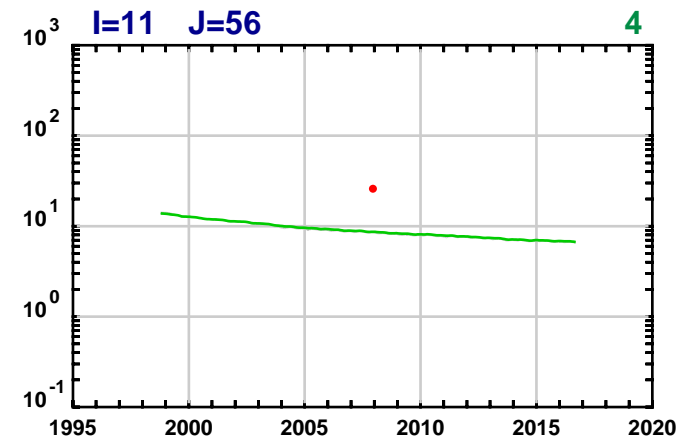
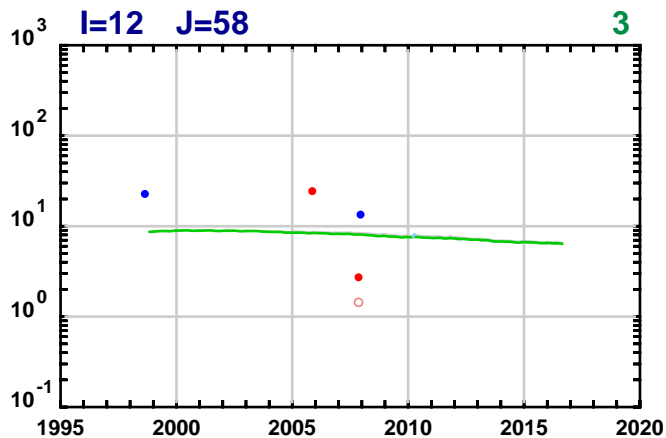
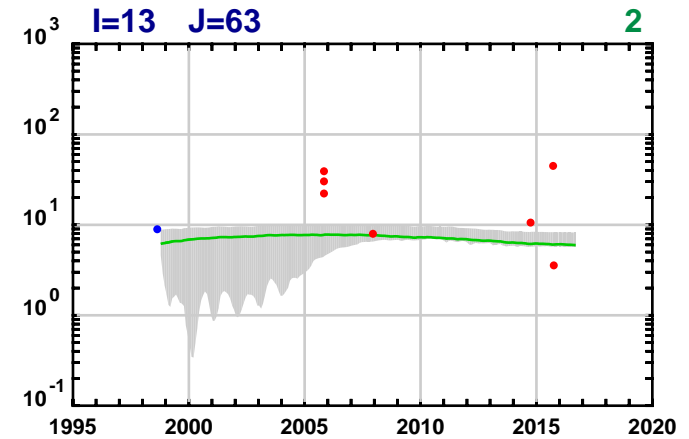
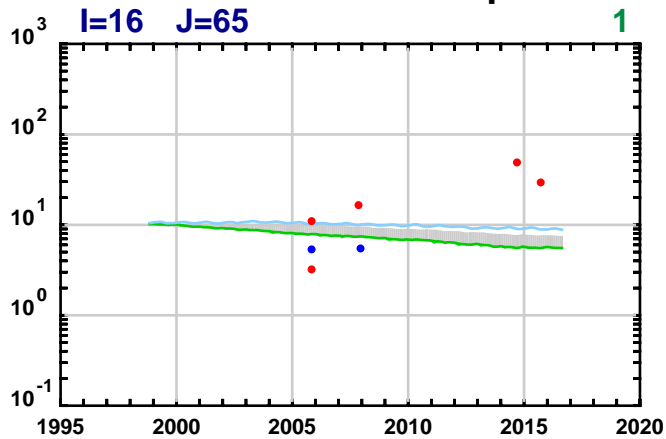
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Top 15 cm data comparison with model top 10 cm sediment

Update of CARP Models
Arthur Kill 1

2,3,4,7,8-Pentachlorodibenzofuran ppt



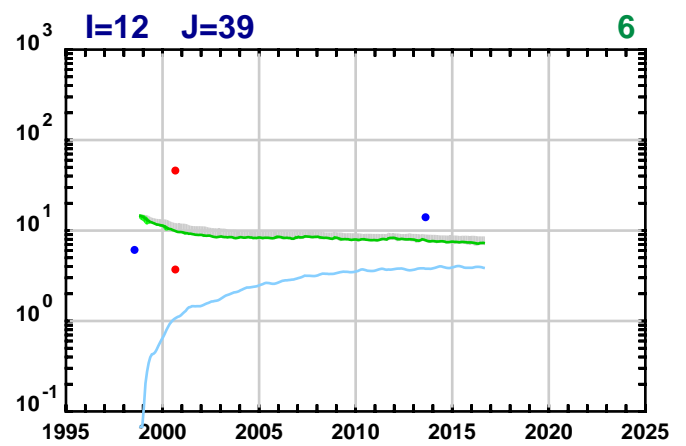
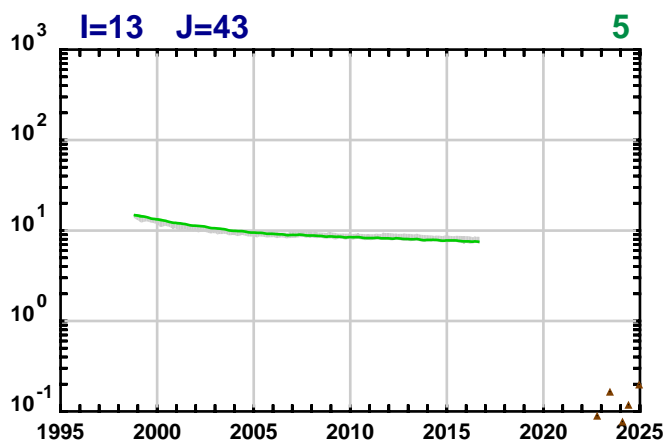
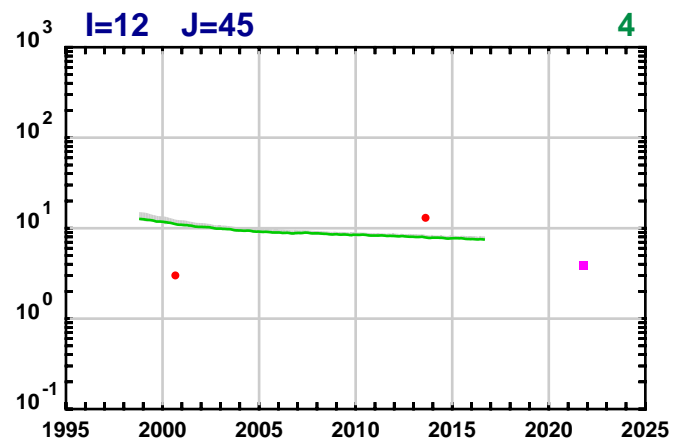
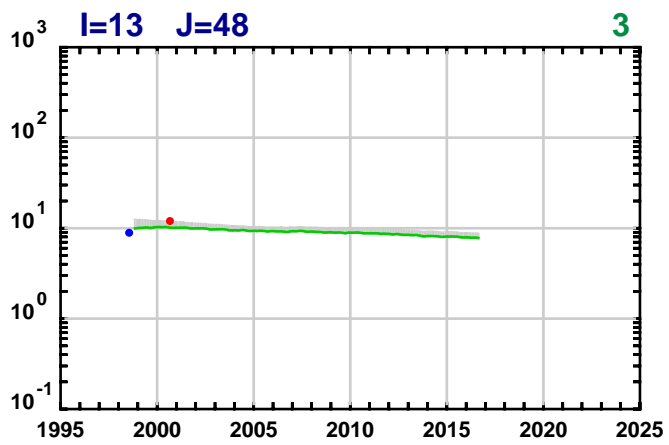
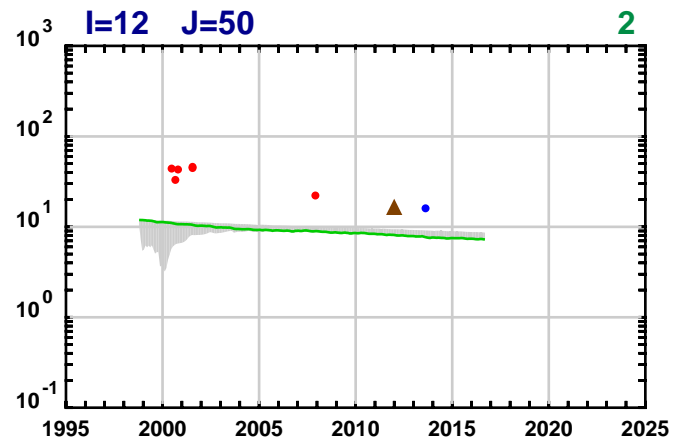
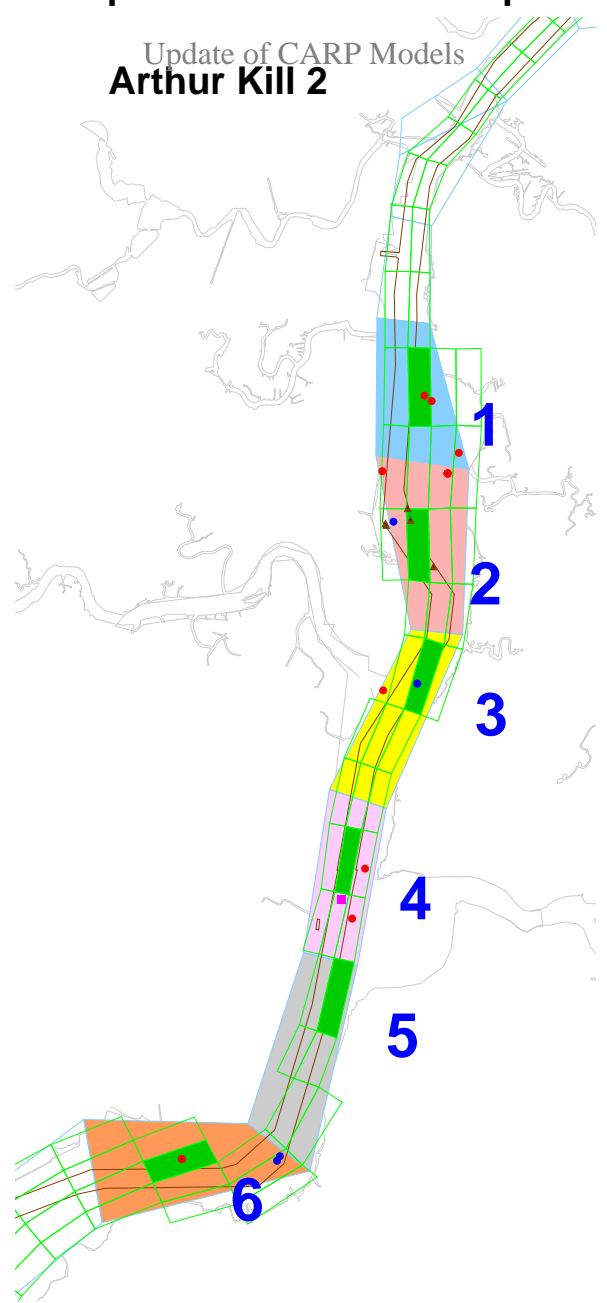
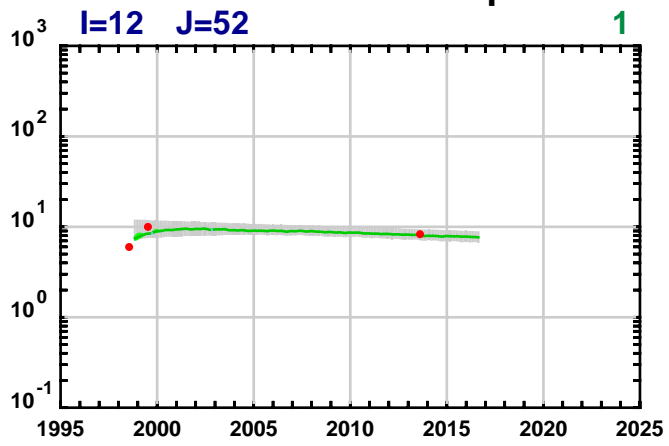
RUN18

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

2,3,4,7,8-Pentachlorodibenzofuran ppt



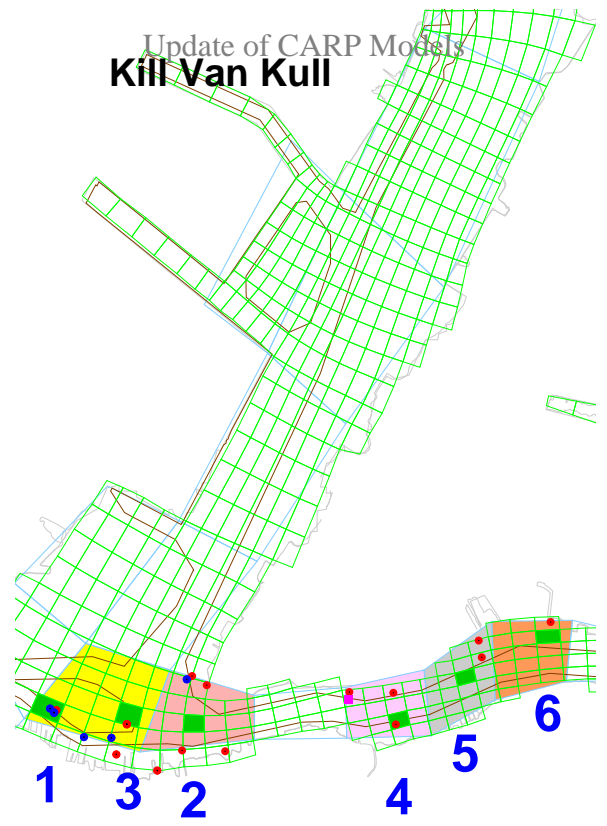
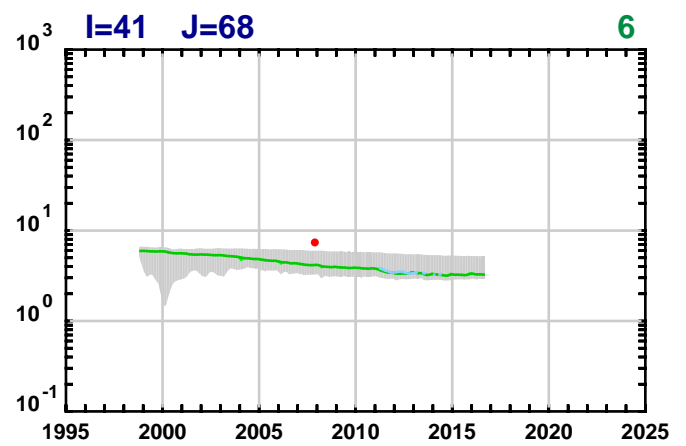
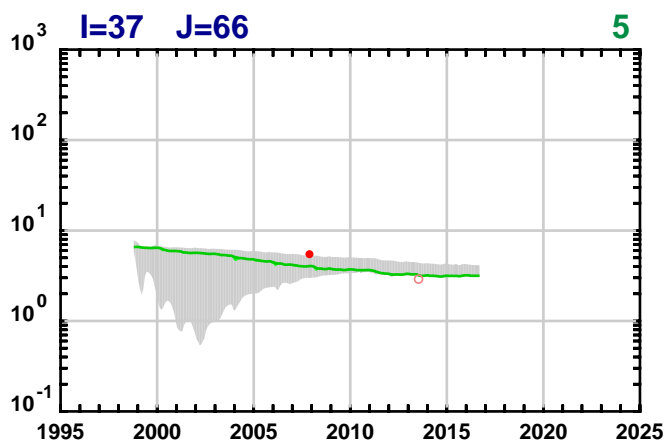
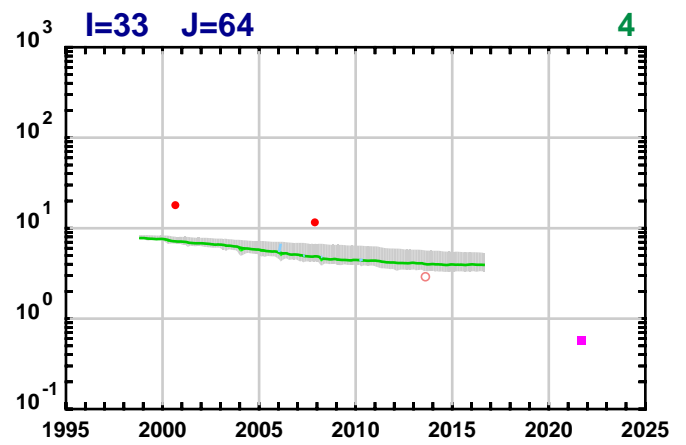
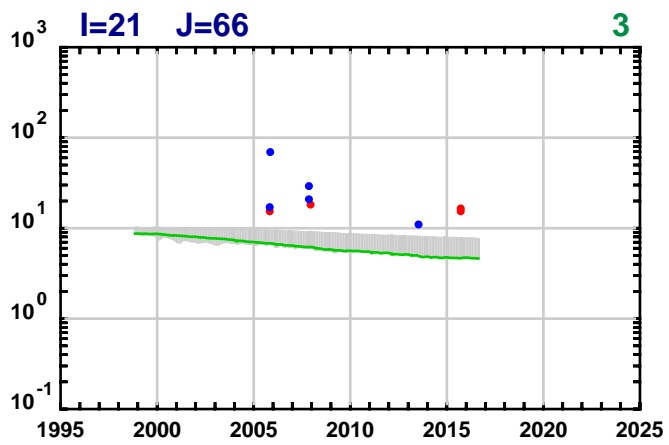
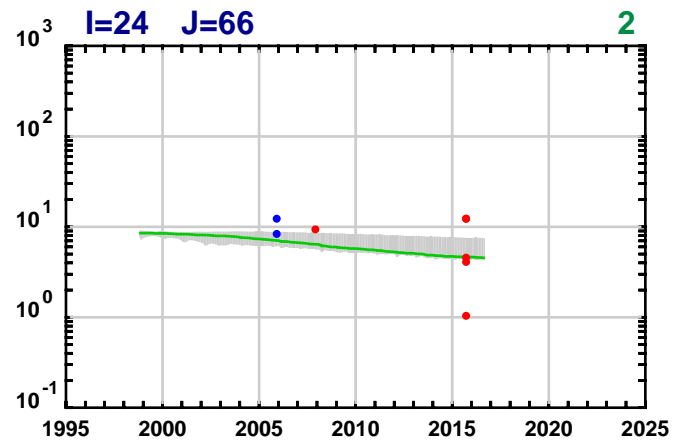
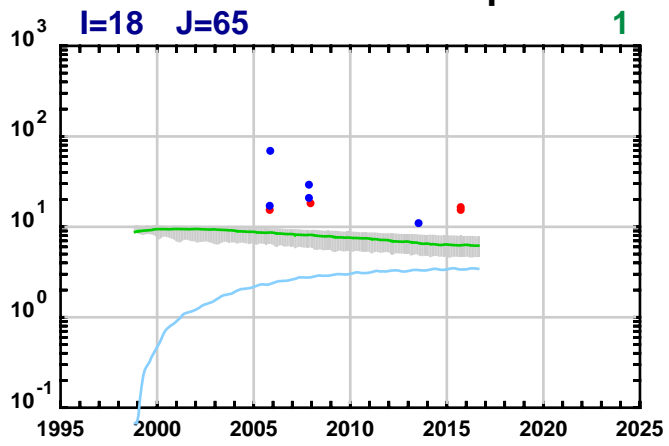
RUN18

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

2,3,4,7,8-Pentachlorodibenzofuran ppt



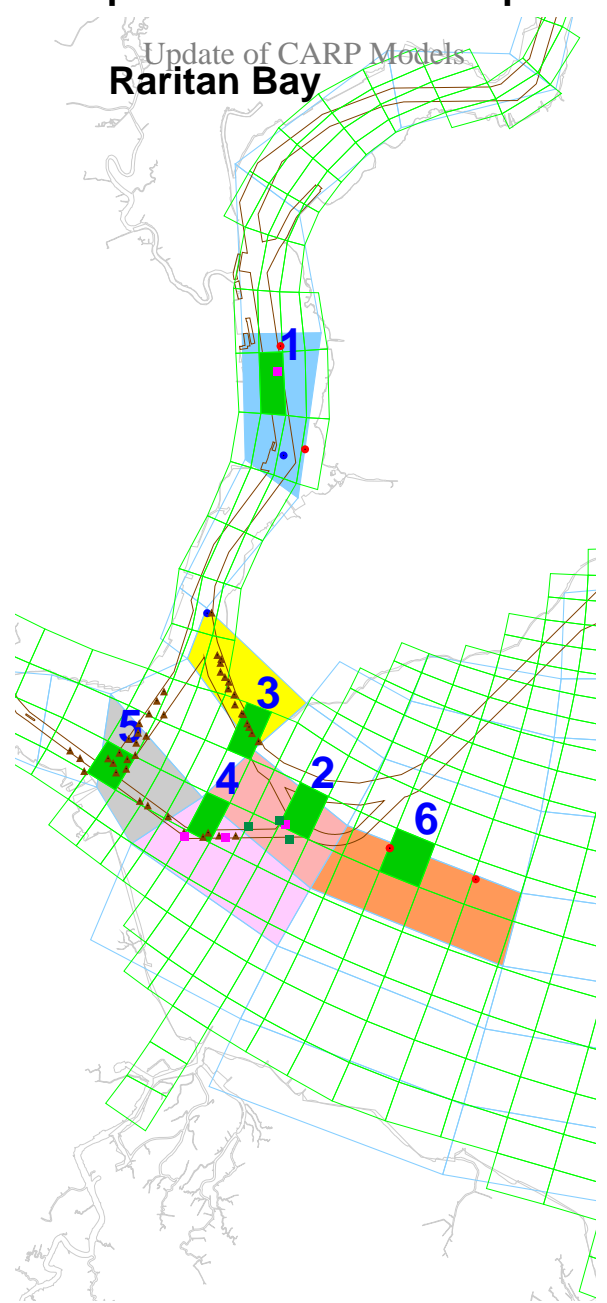
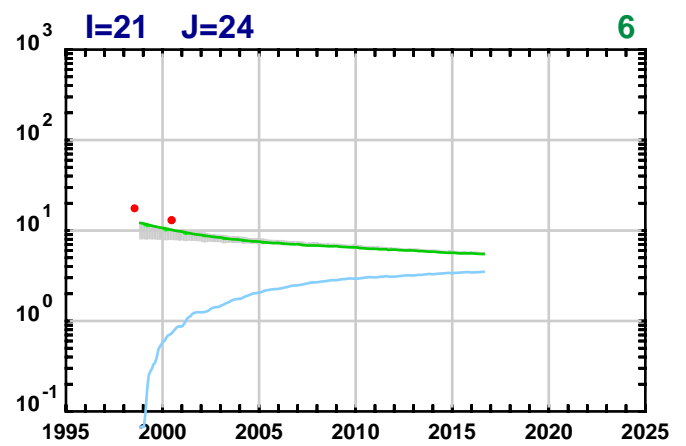
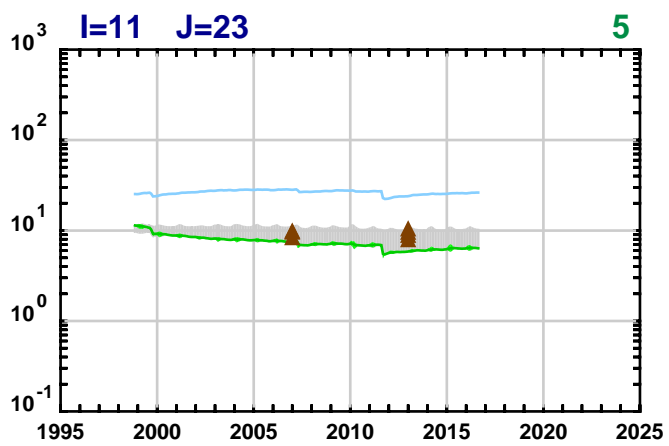
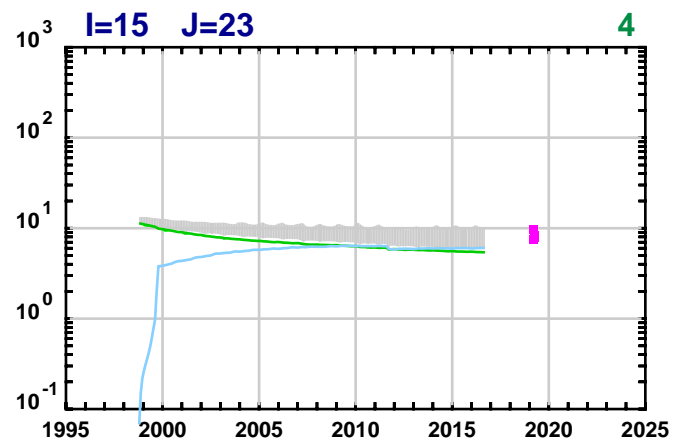
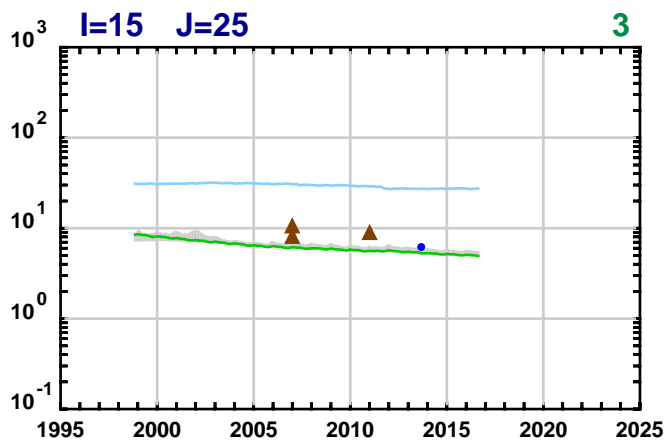
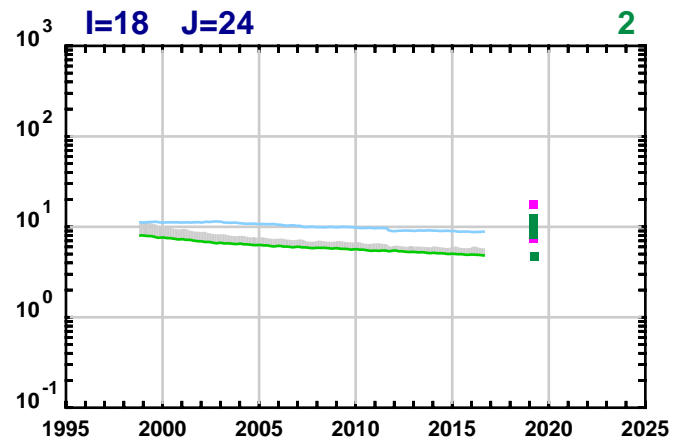
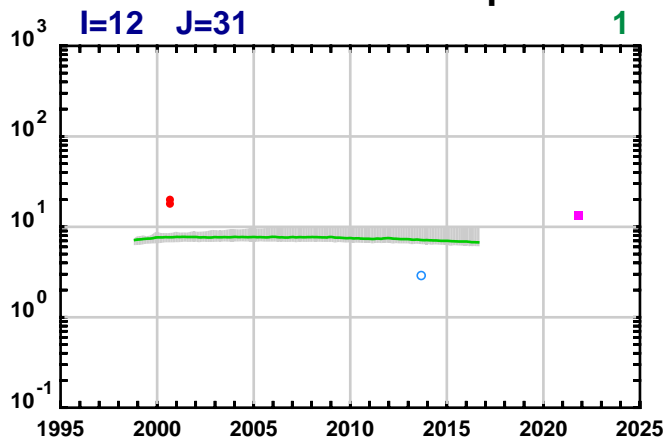
RUN18

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

2,3,4,7,8-Pentachlorodibenzofuran ppt



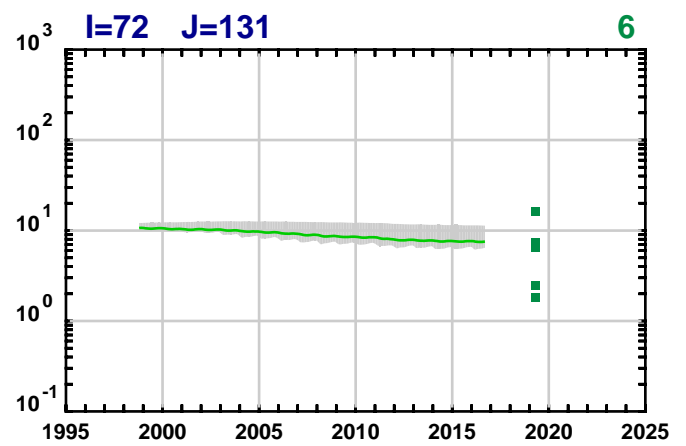
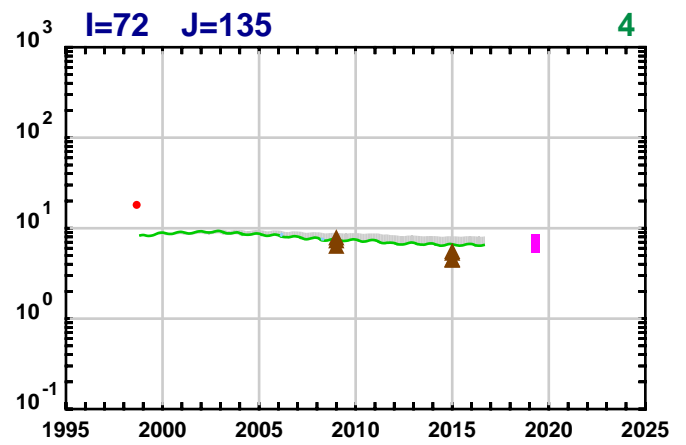
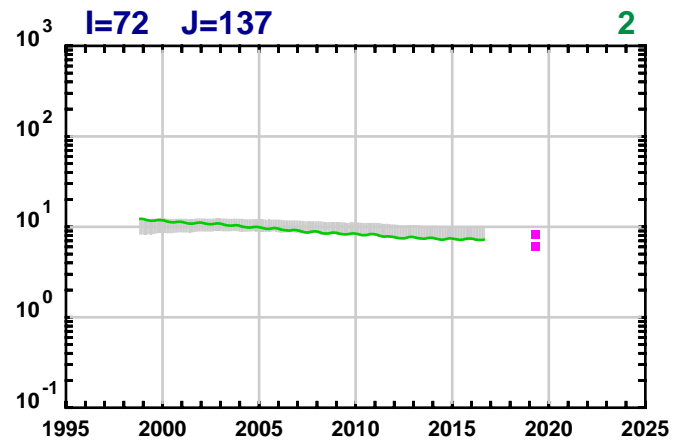
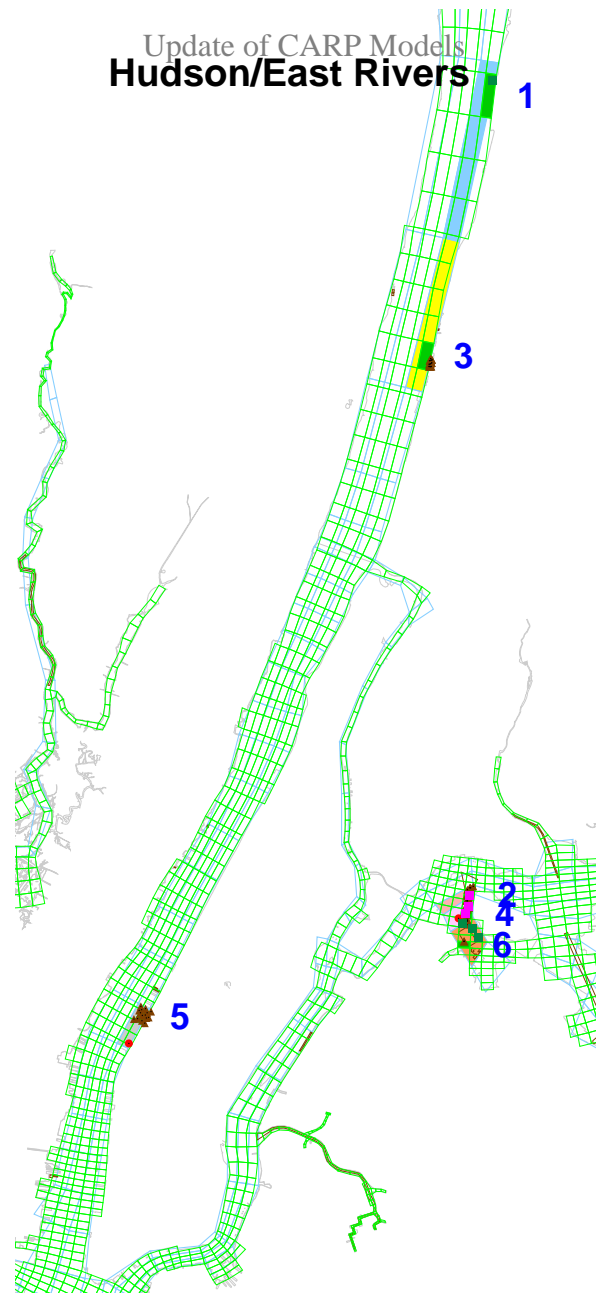
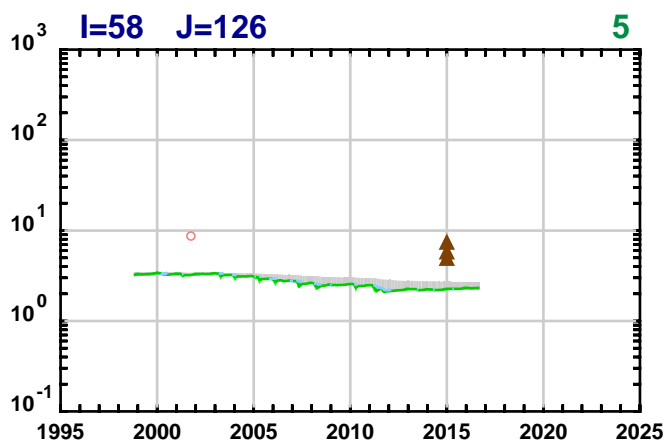
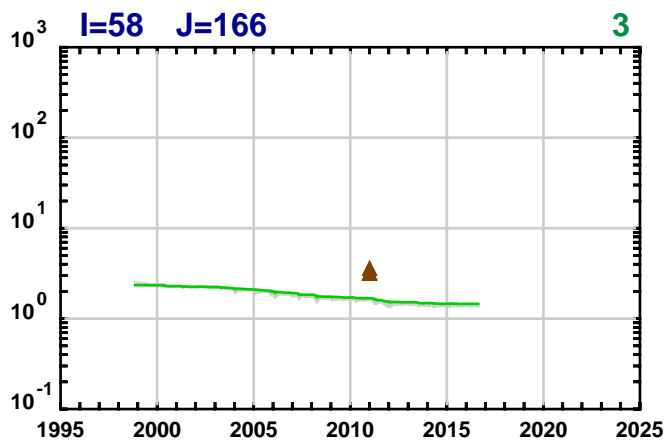
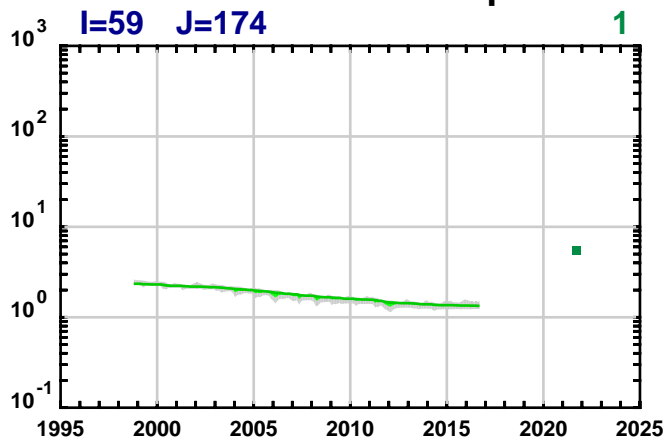
RUN18

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

2,3,4,7,8-Pentachlorodibenzofuran ppt



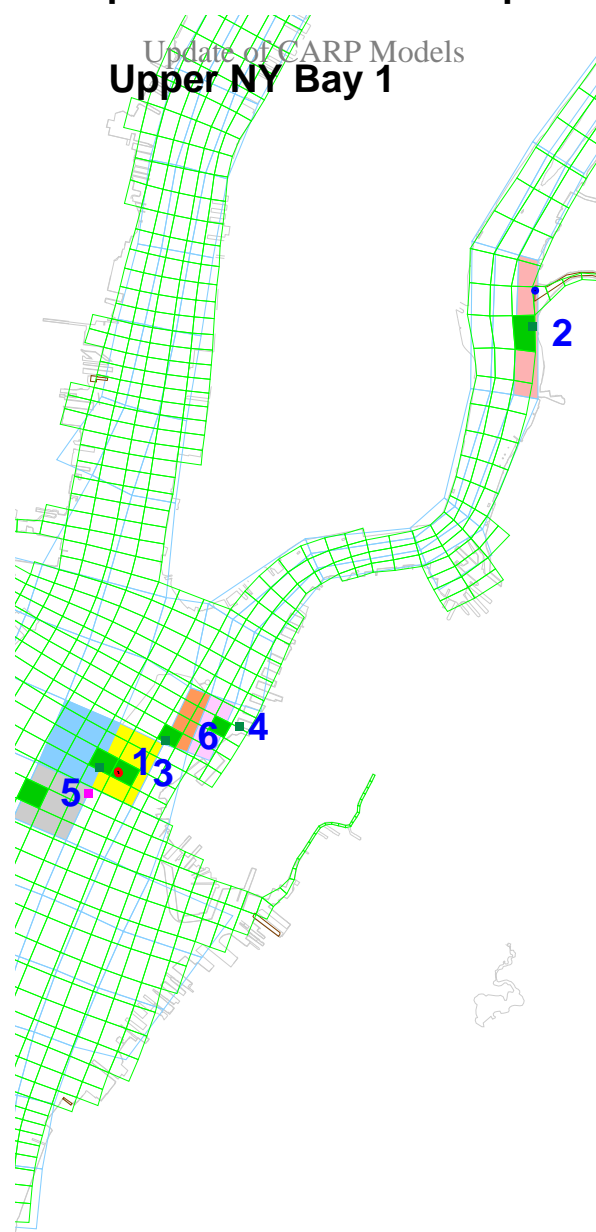
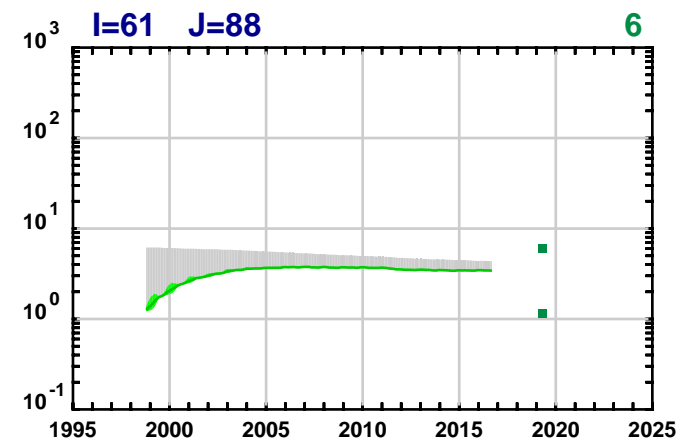
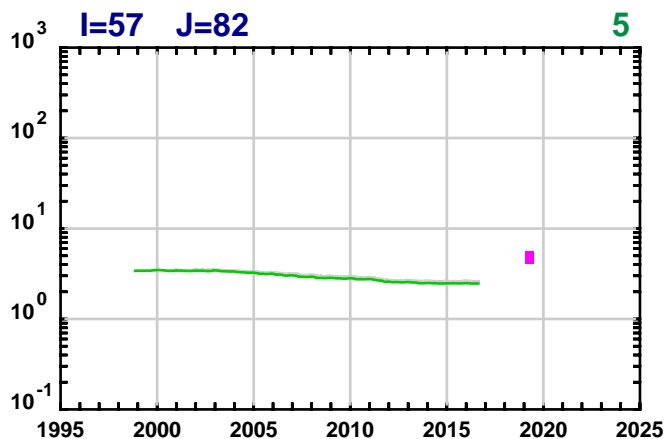
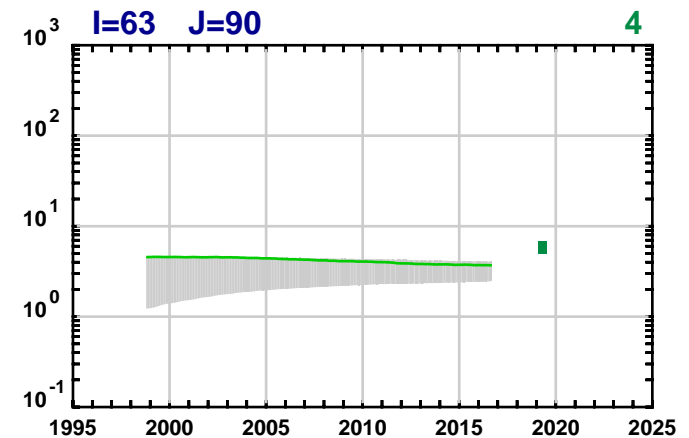
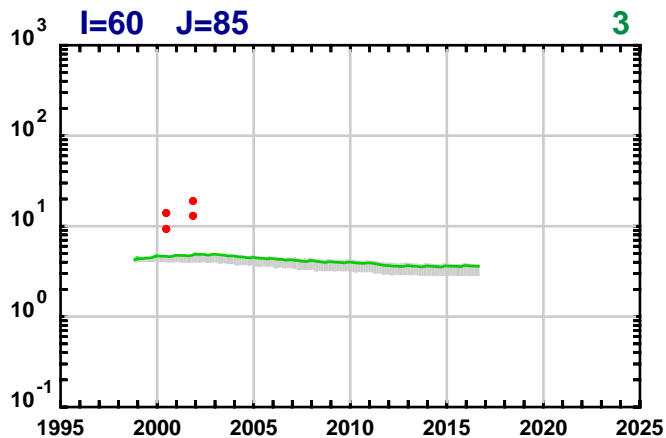
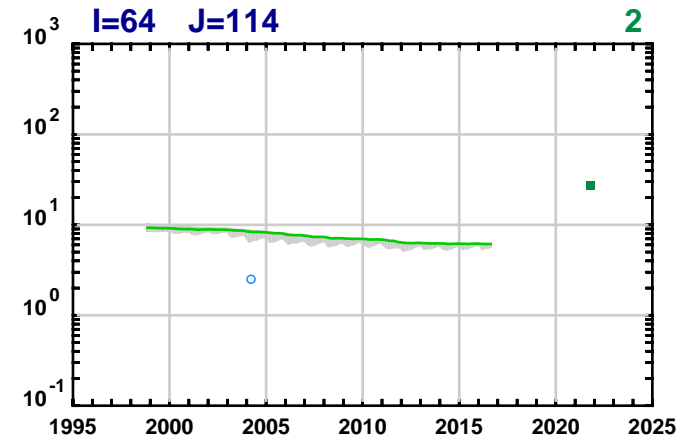
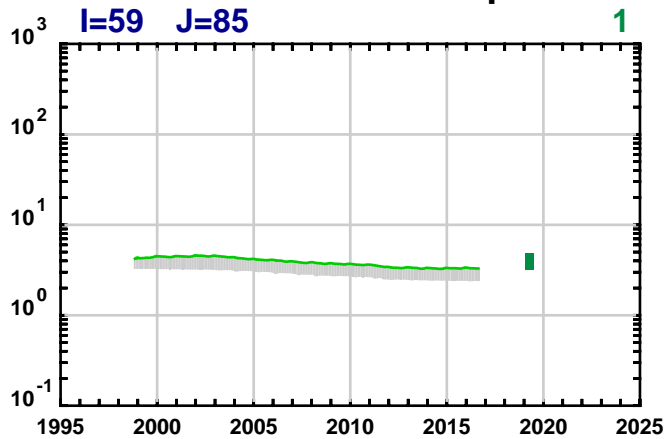
RUN18

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

2,3,4,7,8-Pentachlorodibenzofuran ppt



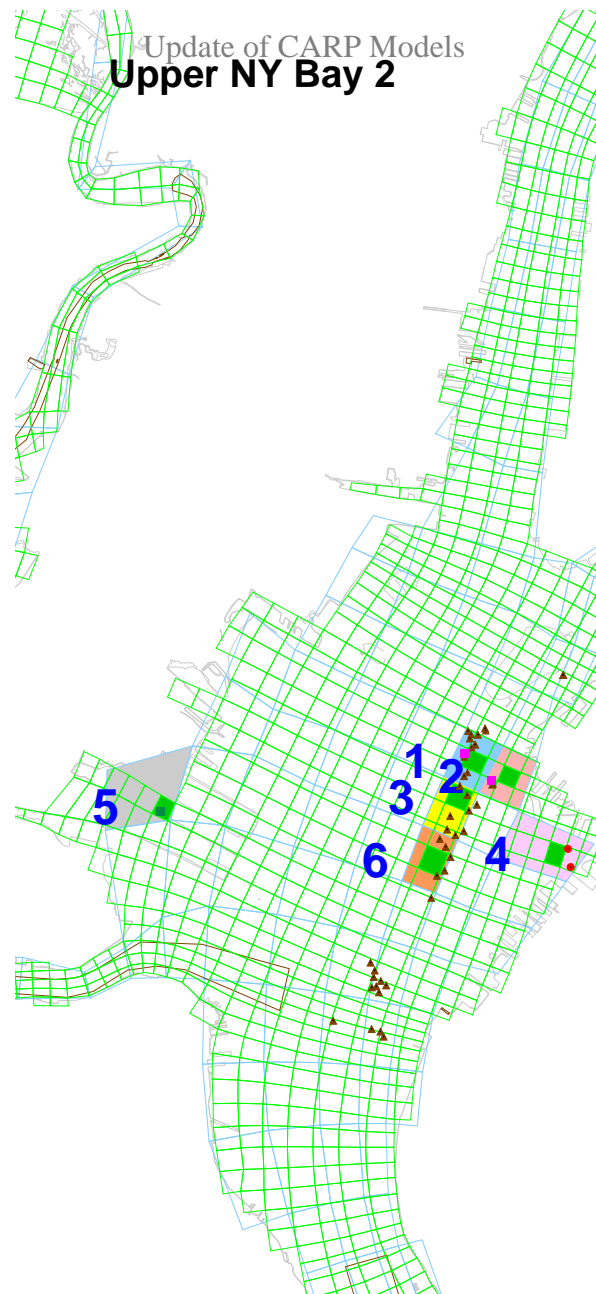
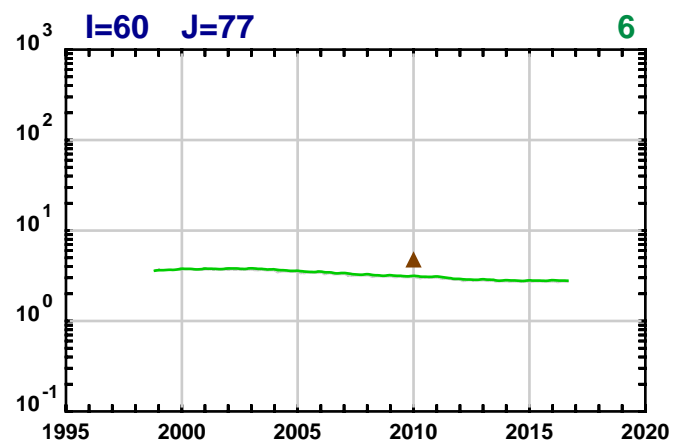
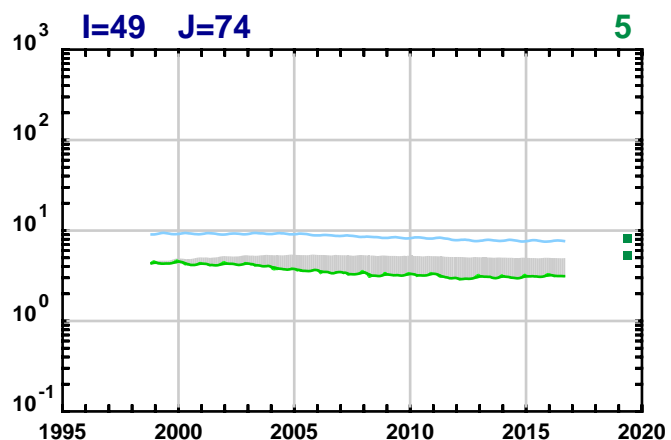
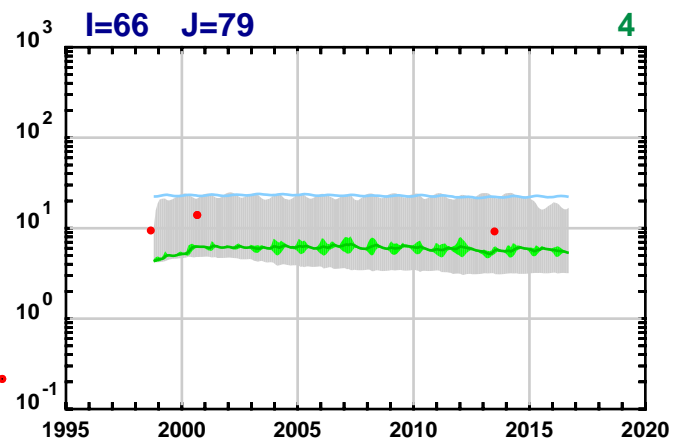
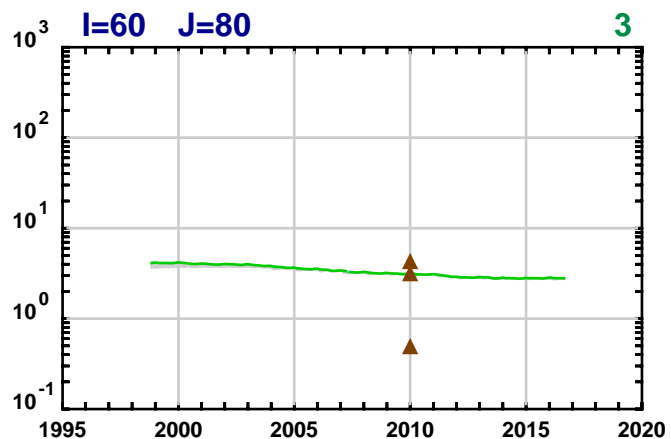
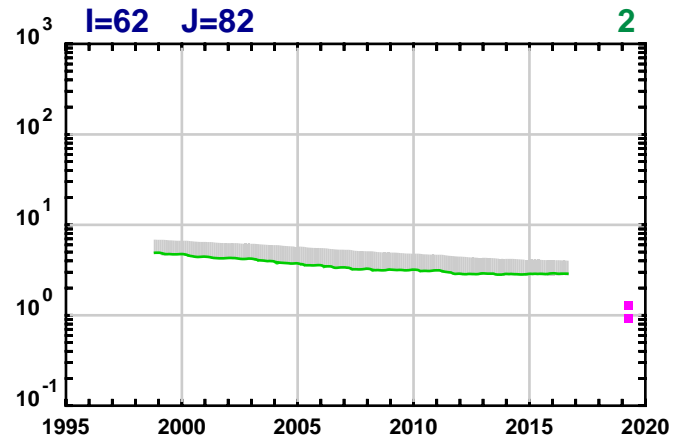
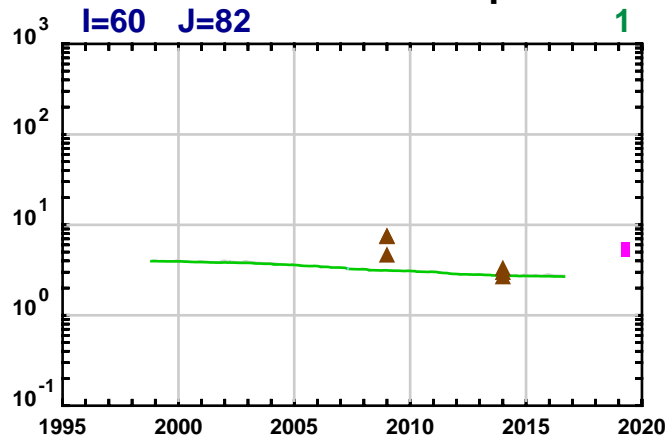
RUN18

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

2,3,4,7,8-Pentachlorodibenzofuran ppt



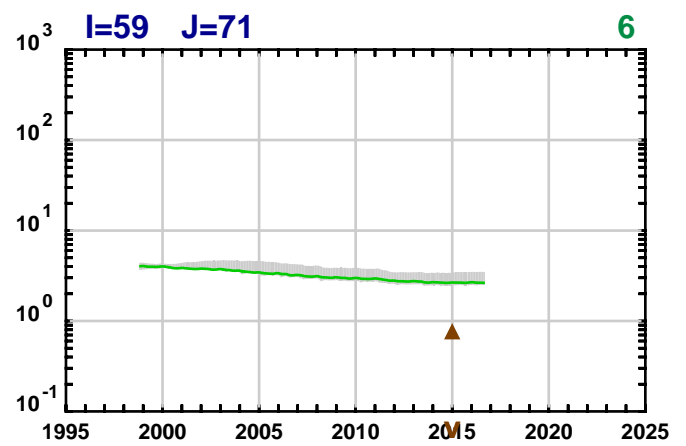
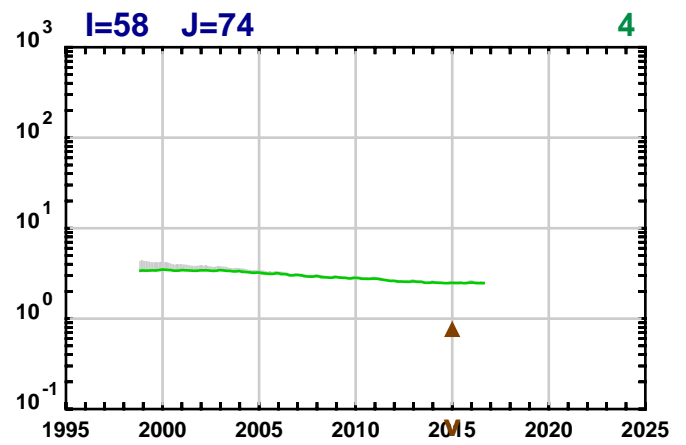
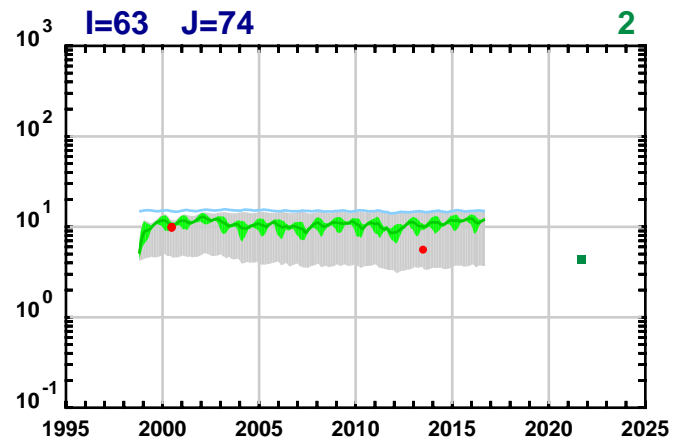
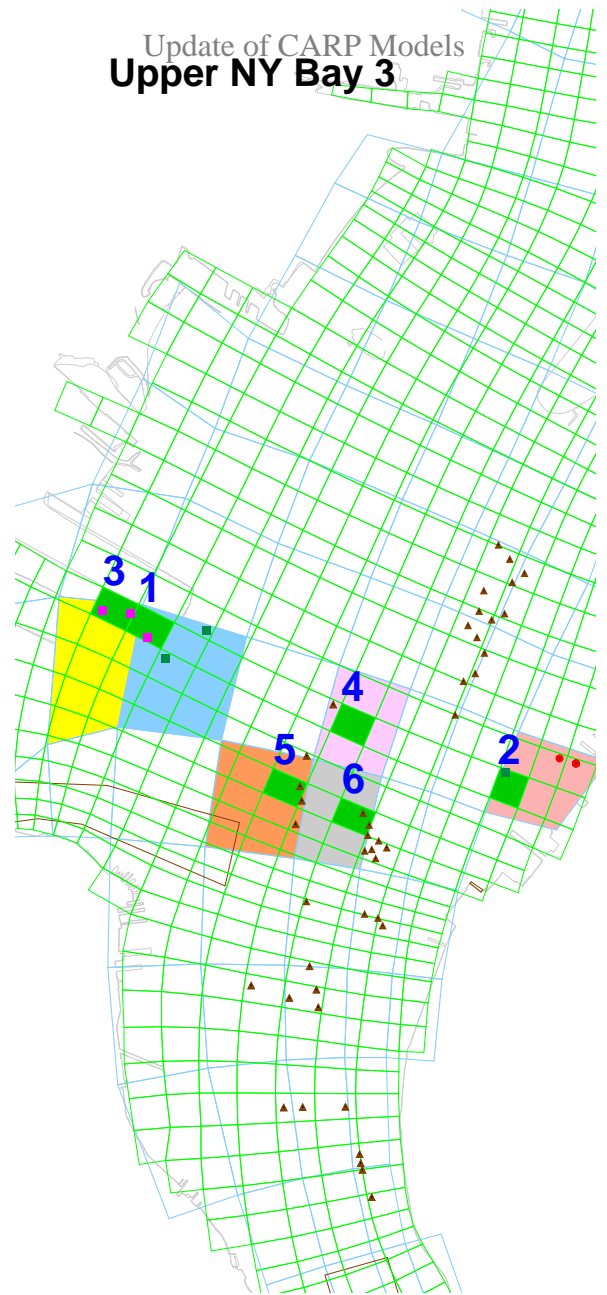
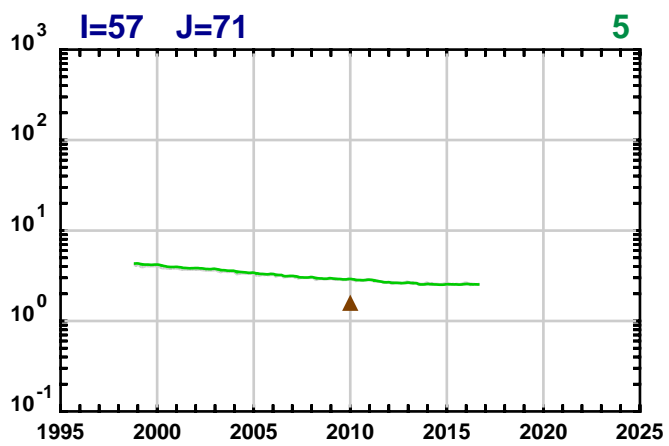
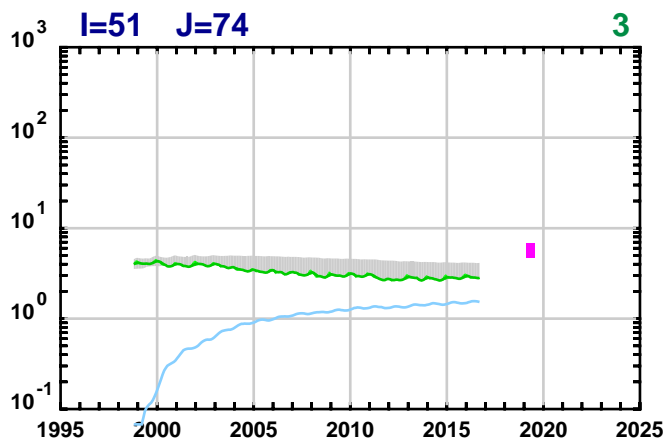
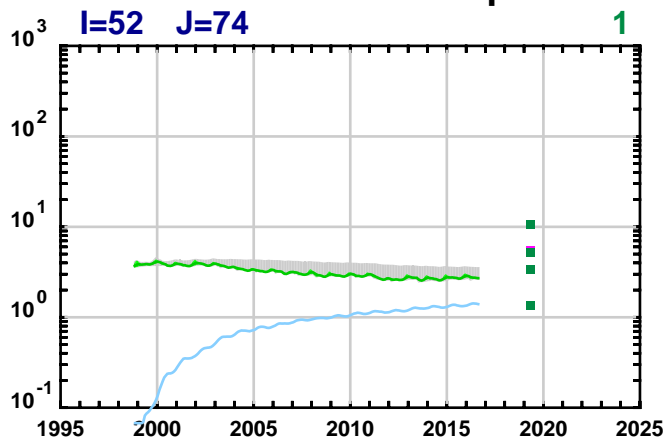
RUN18

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

2,3,4,7,8-Pentachlorodibenzofuran ppt



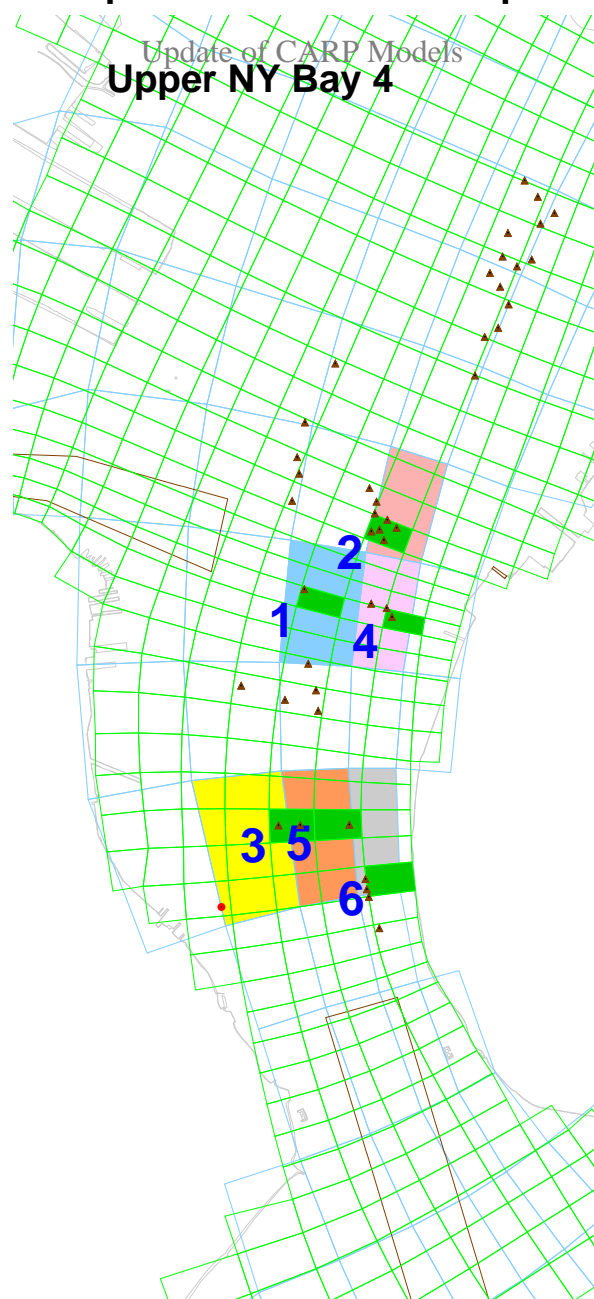
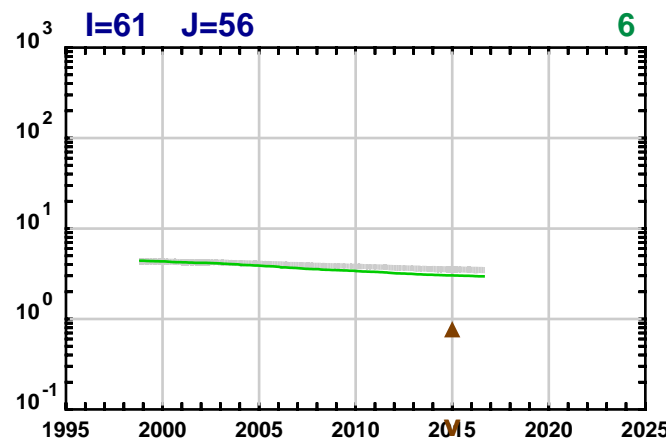
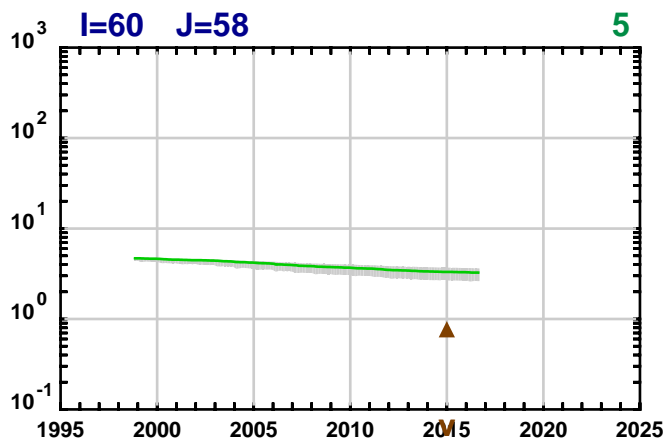
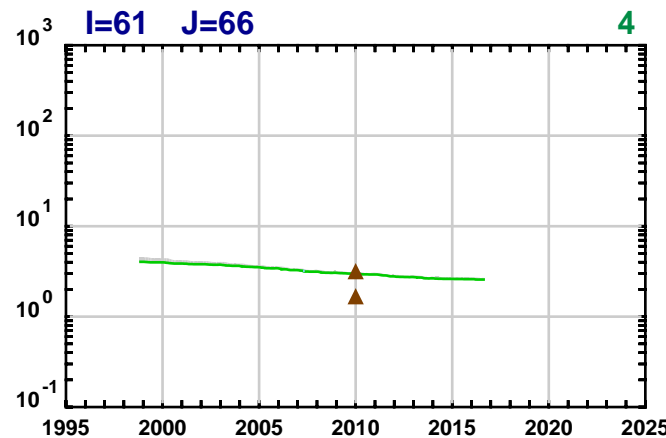
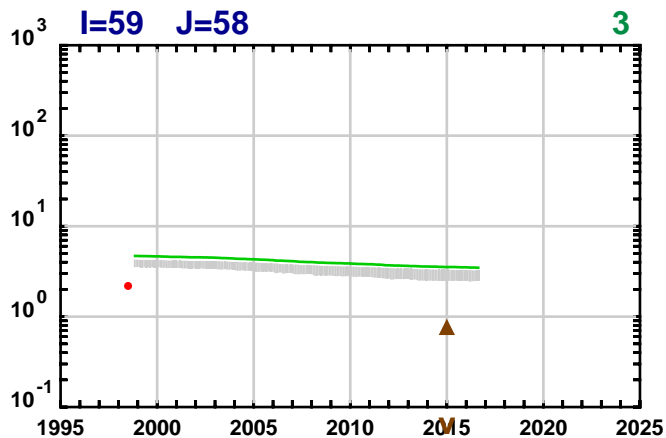
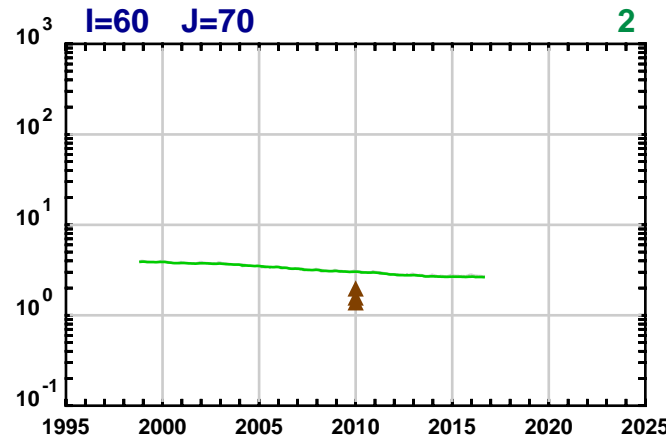
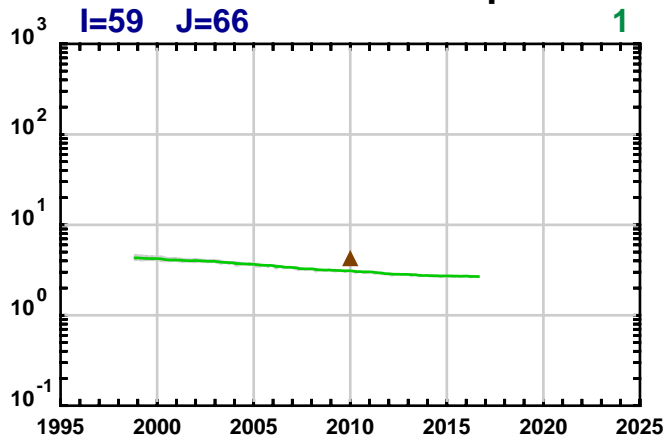
RUN18

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

2,3,4,7,8-Pentachlorodibenzofuran ppt



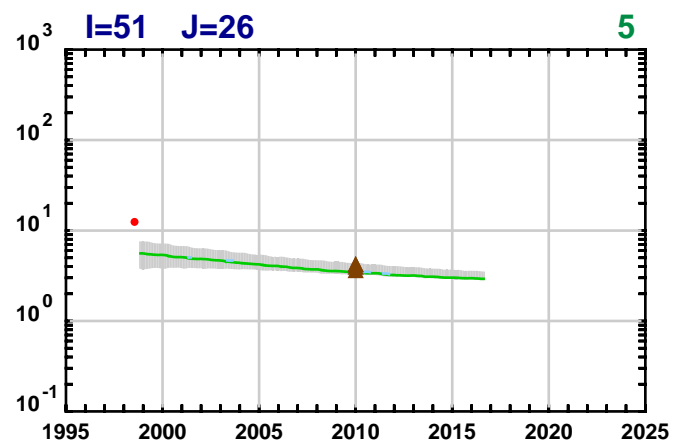
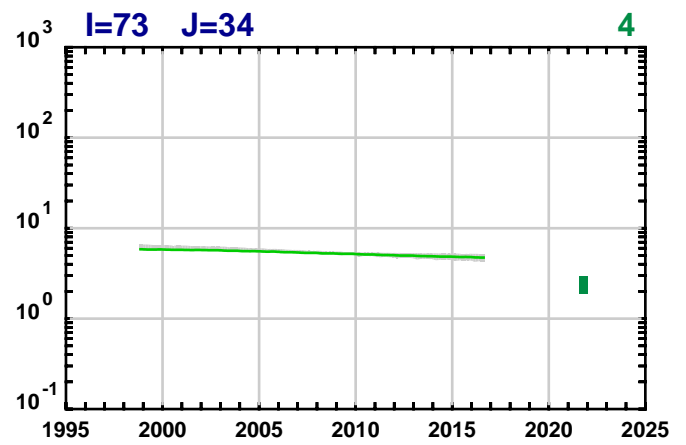
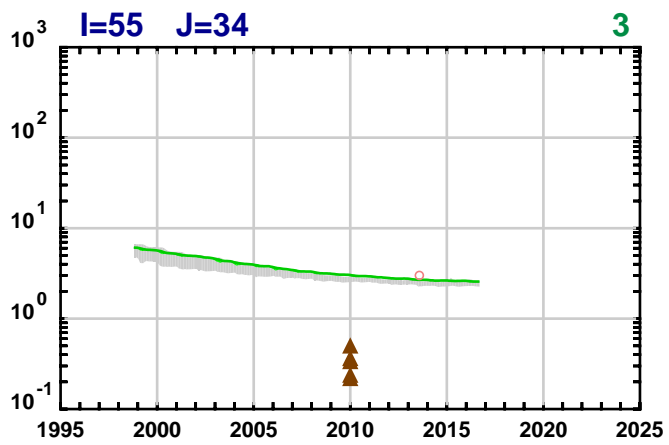
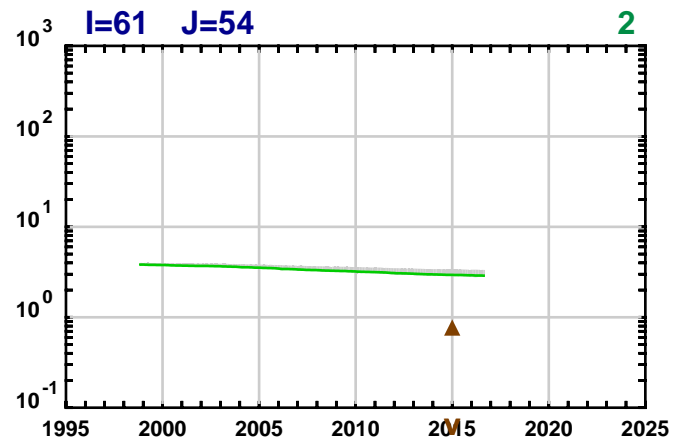
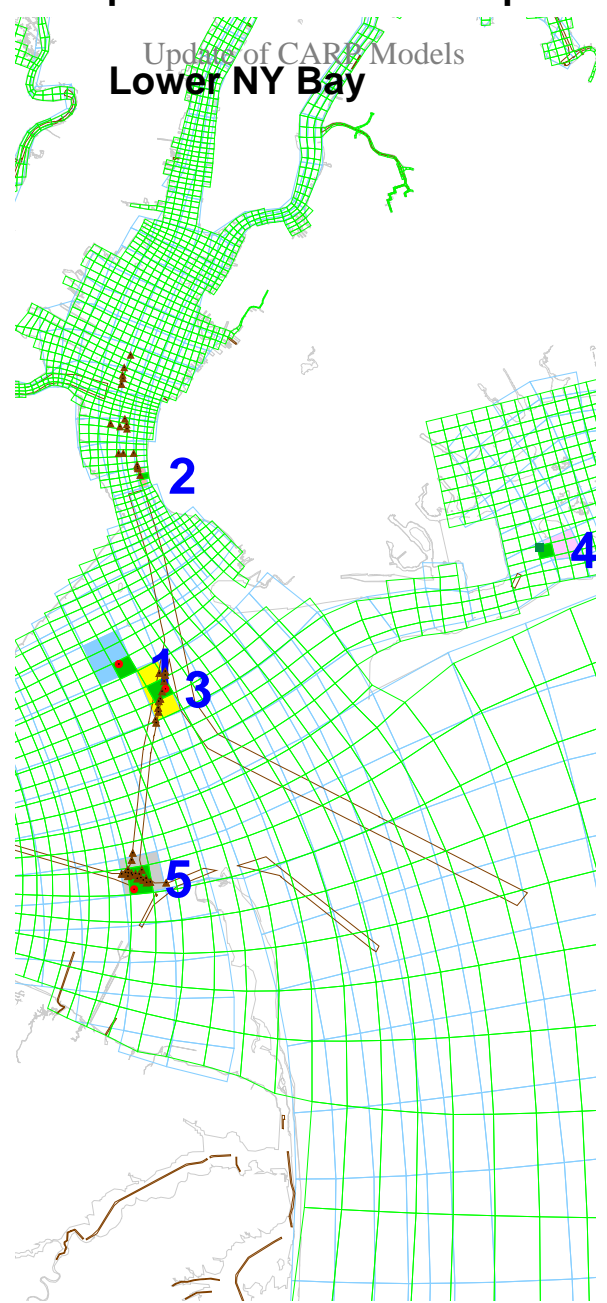
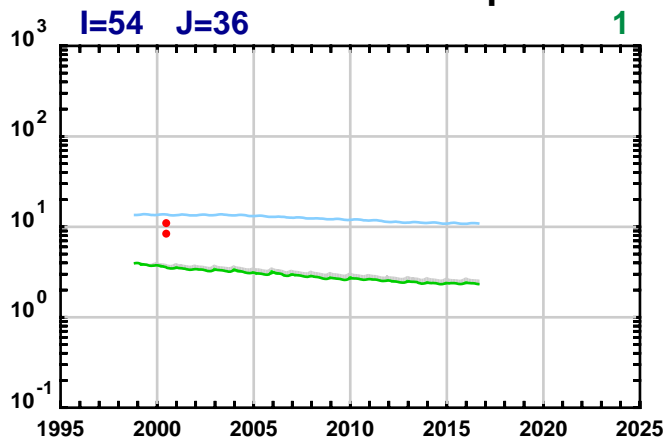
RUN18

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

2,3,4,7,8-Pentachlorodibenzofuran ppt

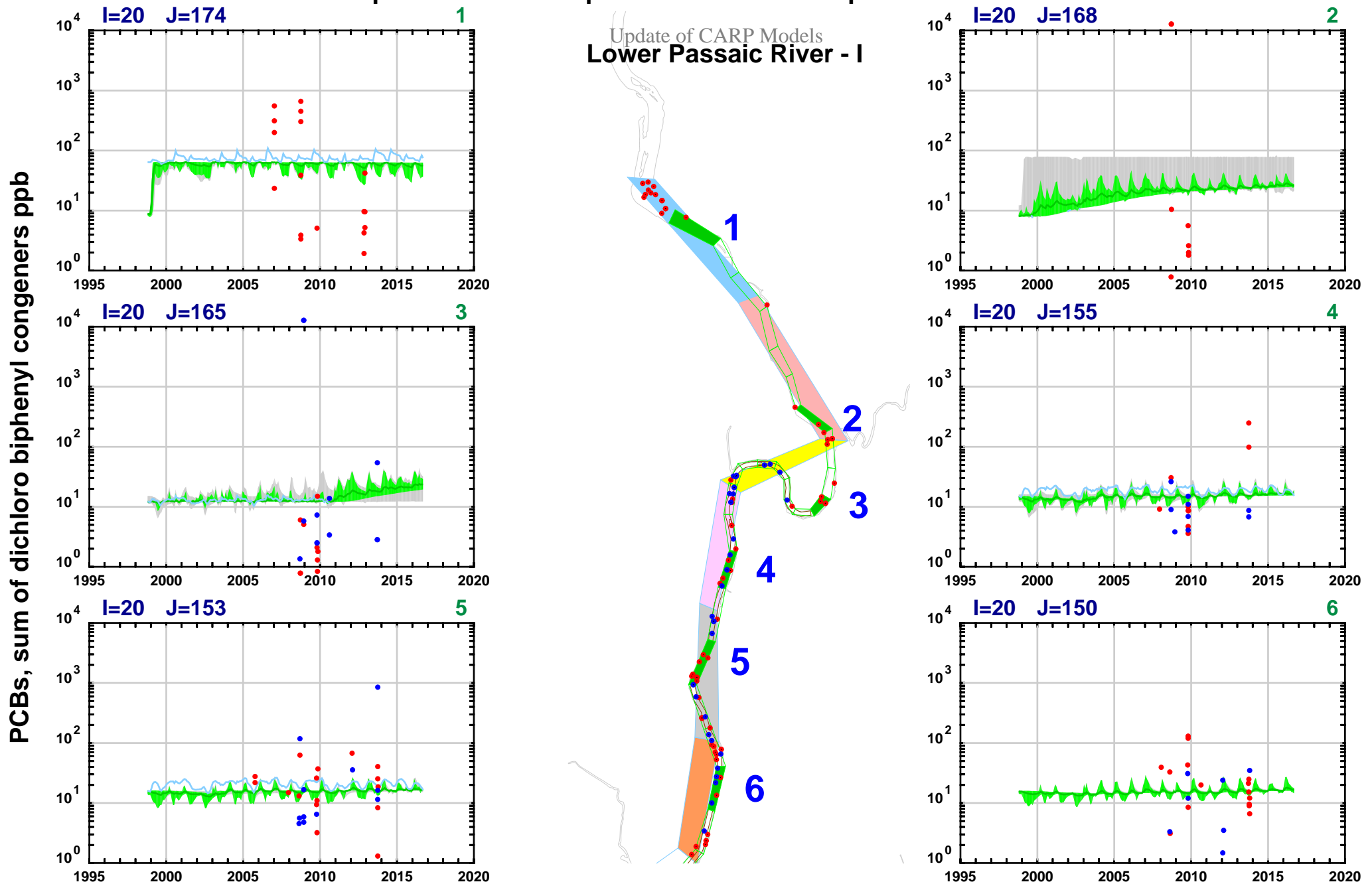


RUN18

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

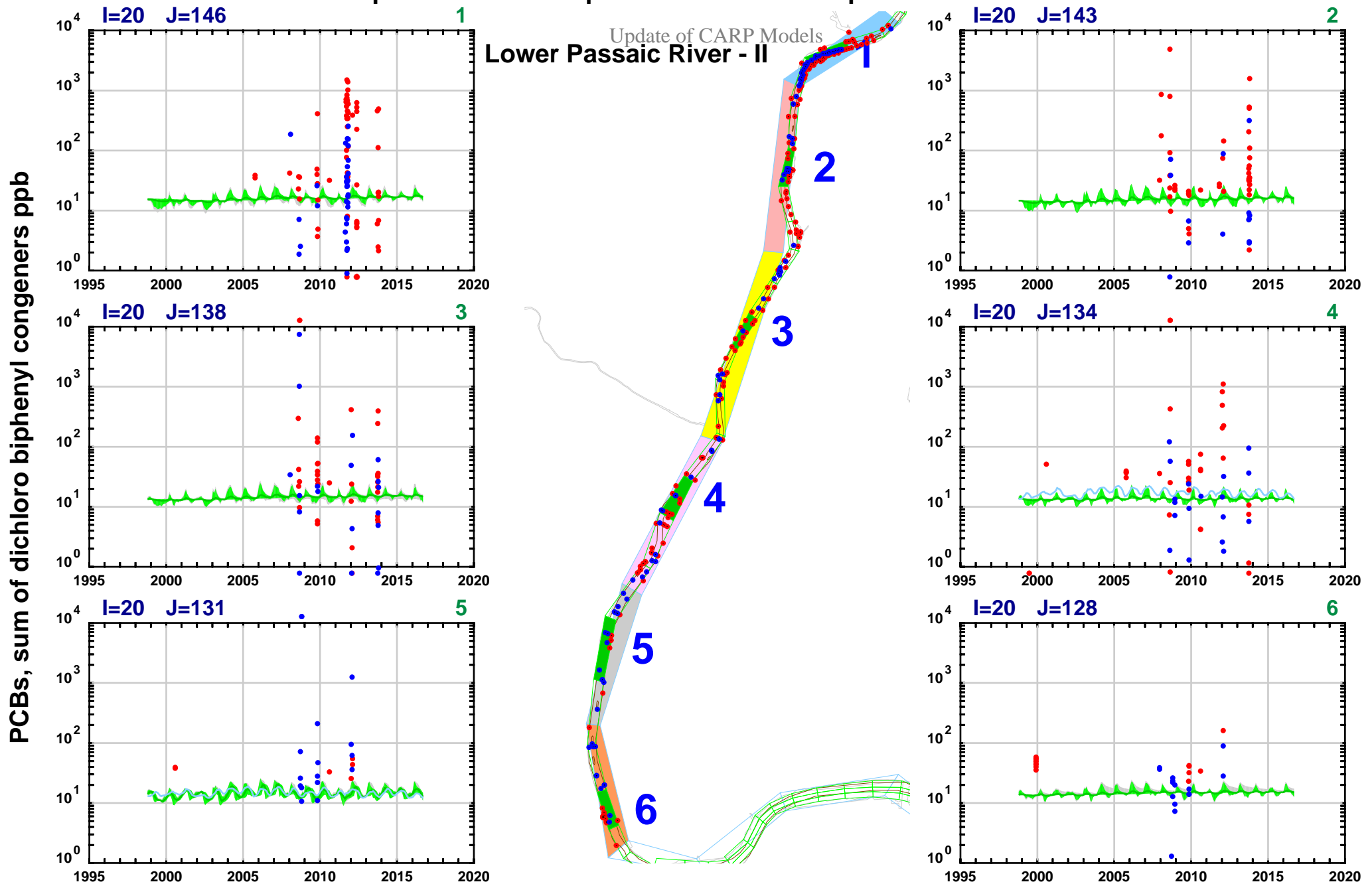


RUN18

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

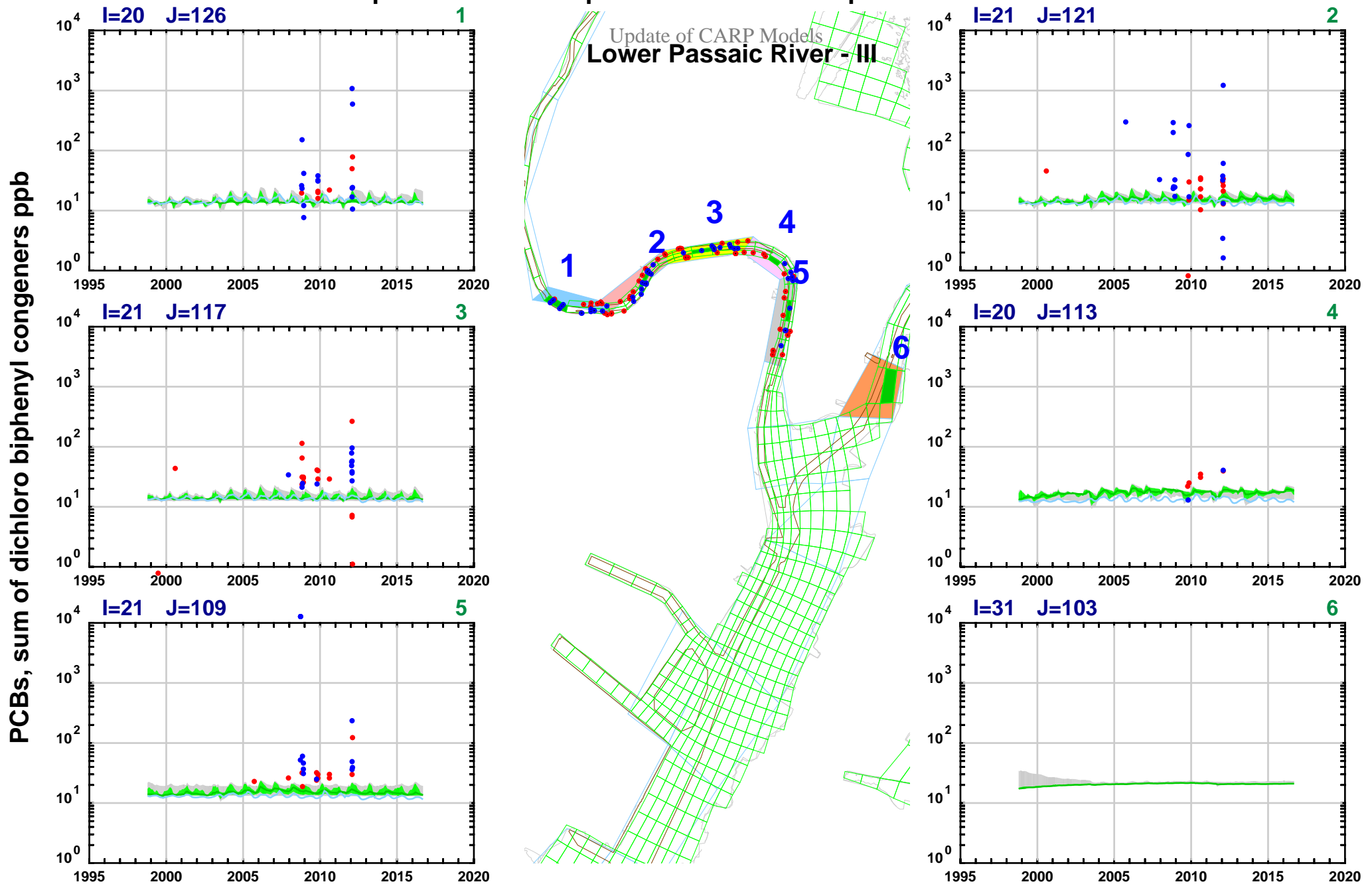


RUN18

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



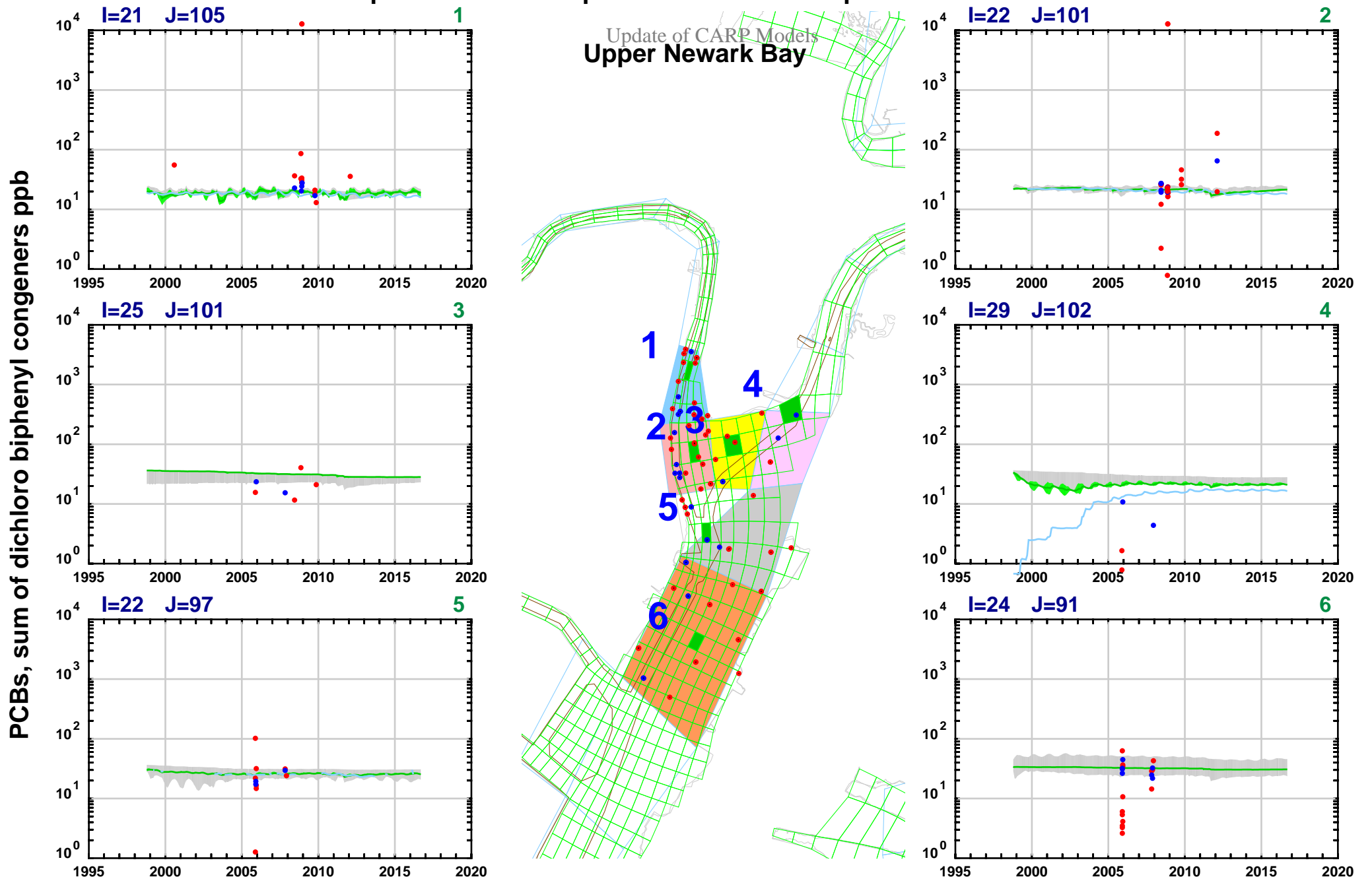
Update of CARP Models
Lower Passaic River - III

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

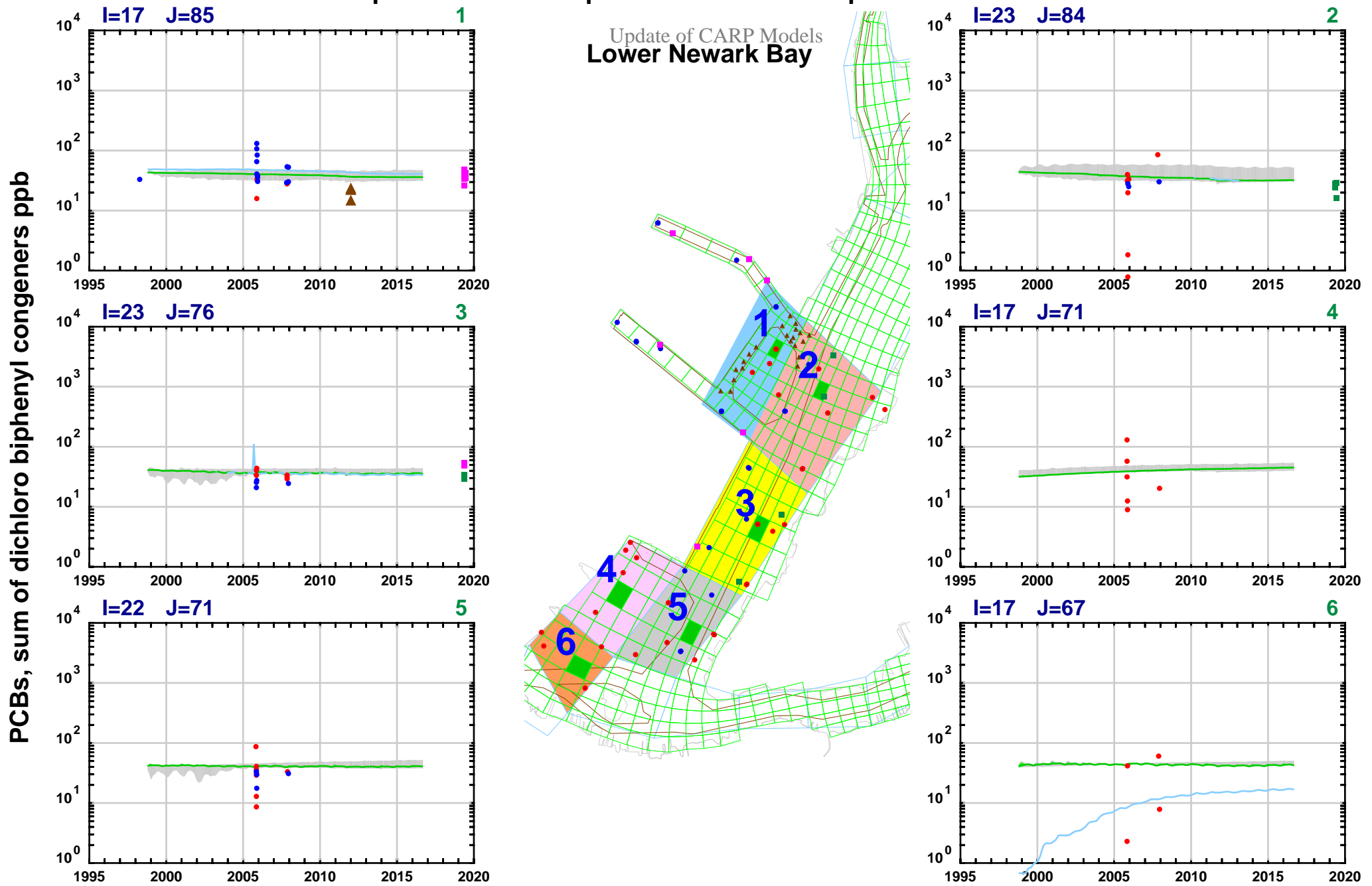


RUN18

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

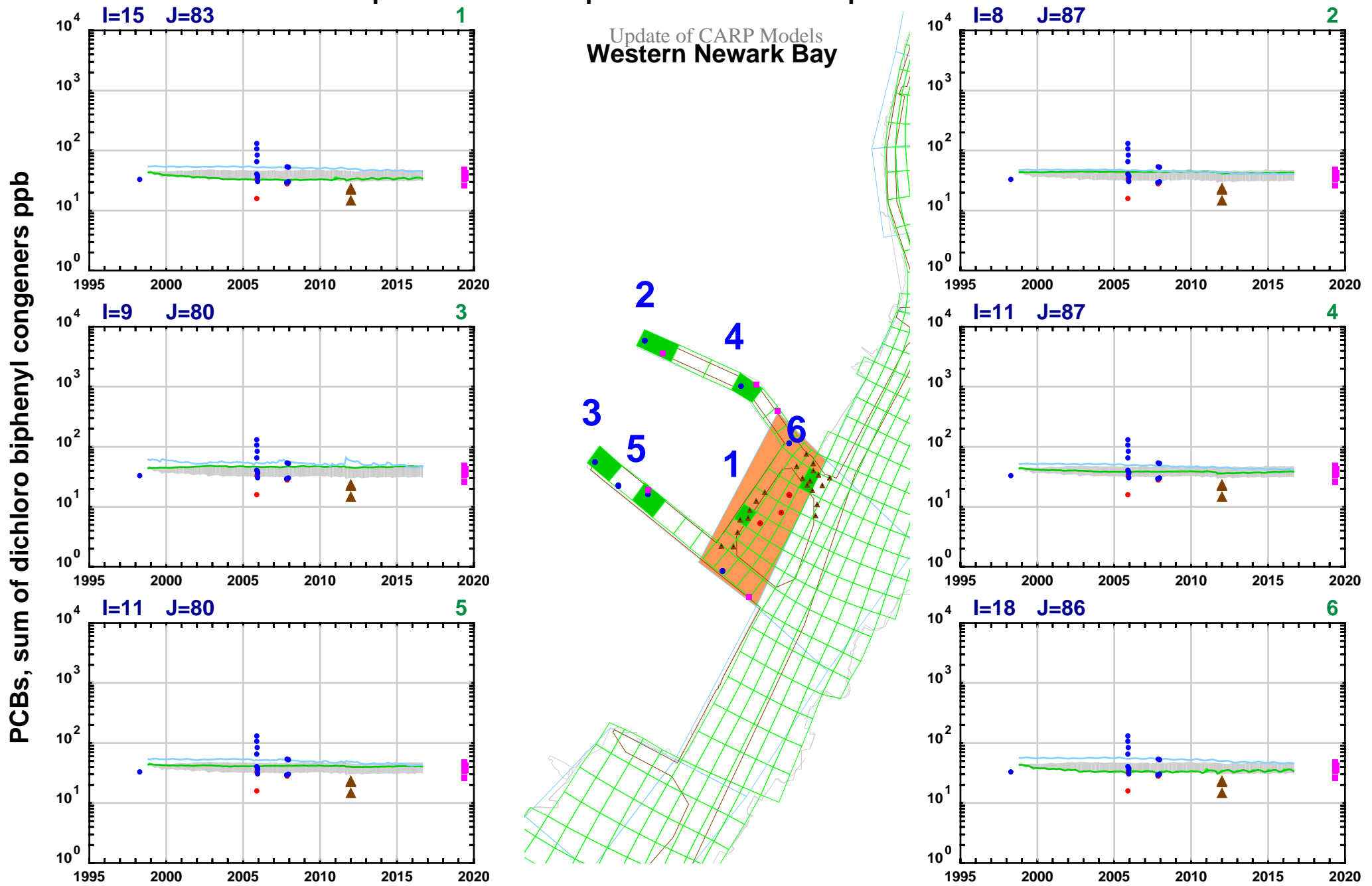


RUN18

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



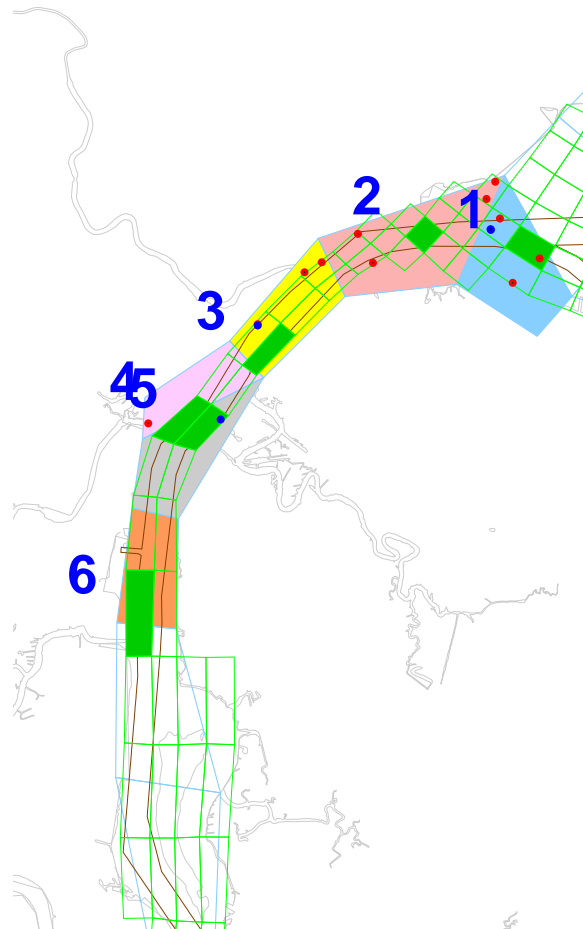
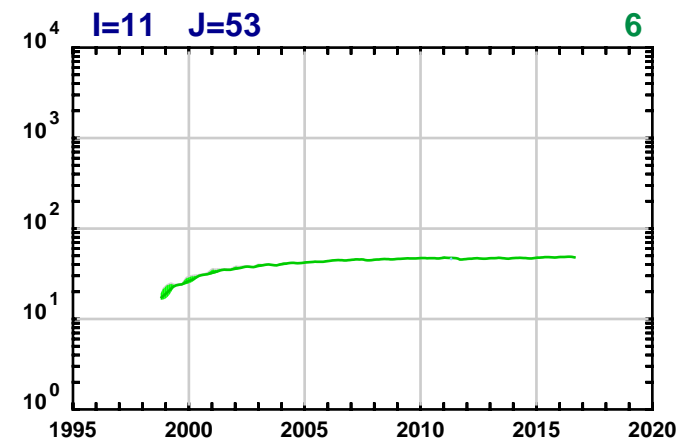
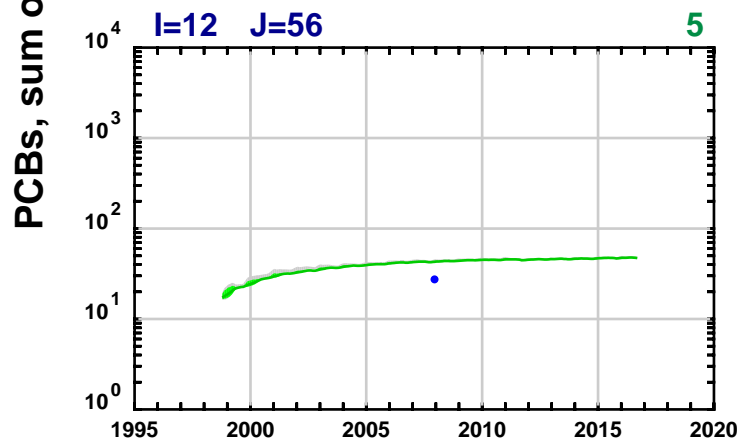
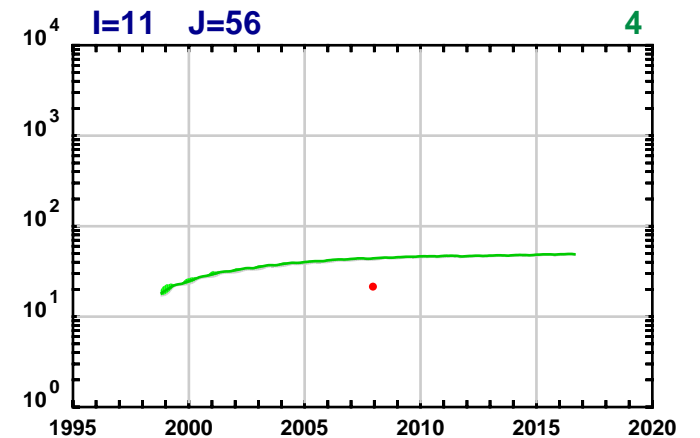
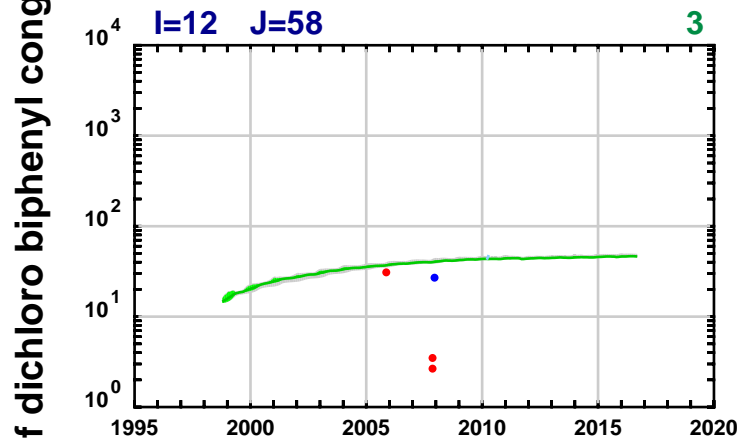
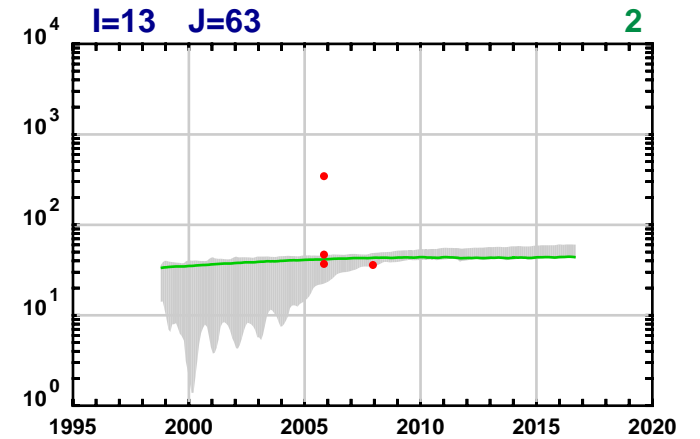
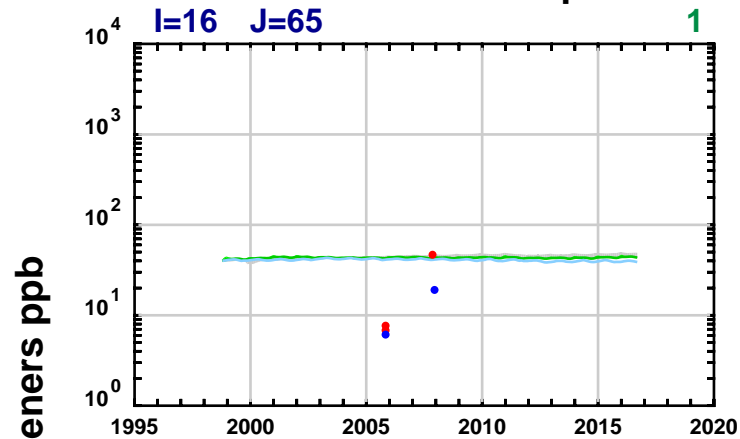
RUN18

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
Arthur Kill 1

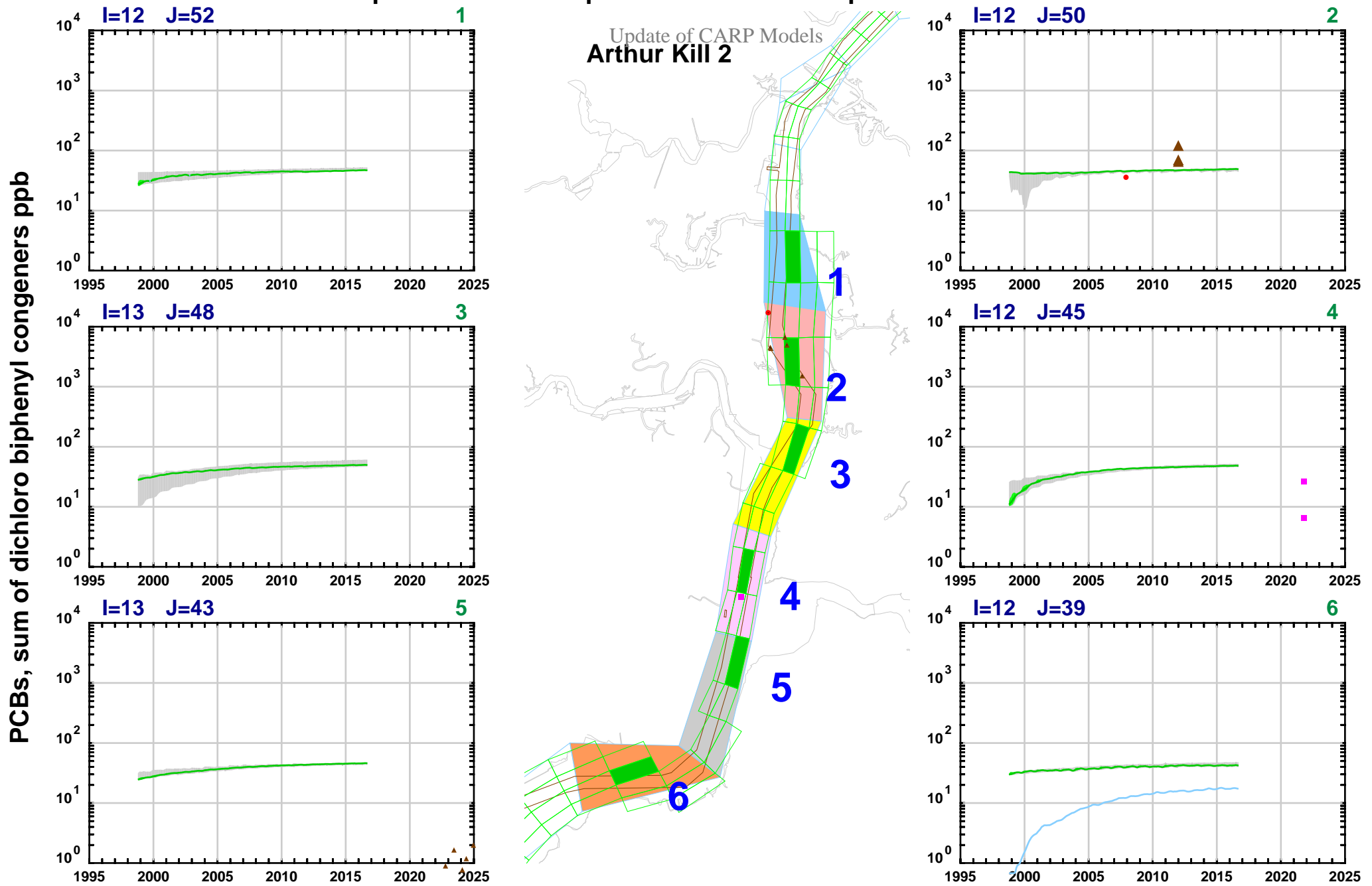


RUN18

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

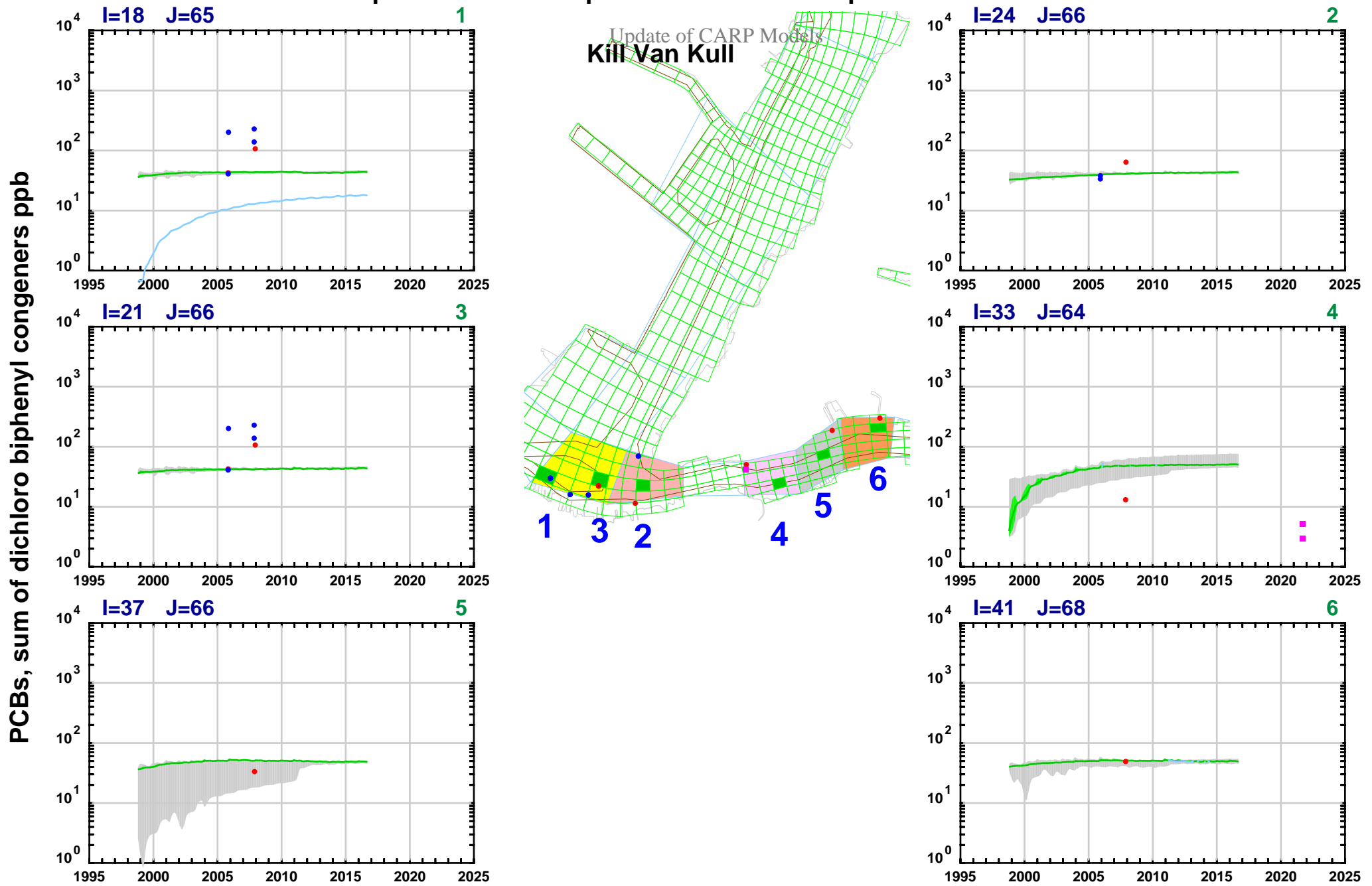


RUN18

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

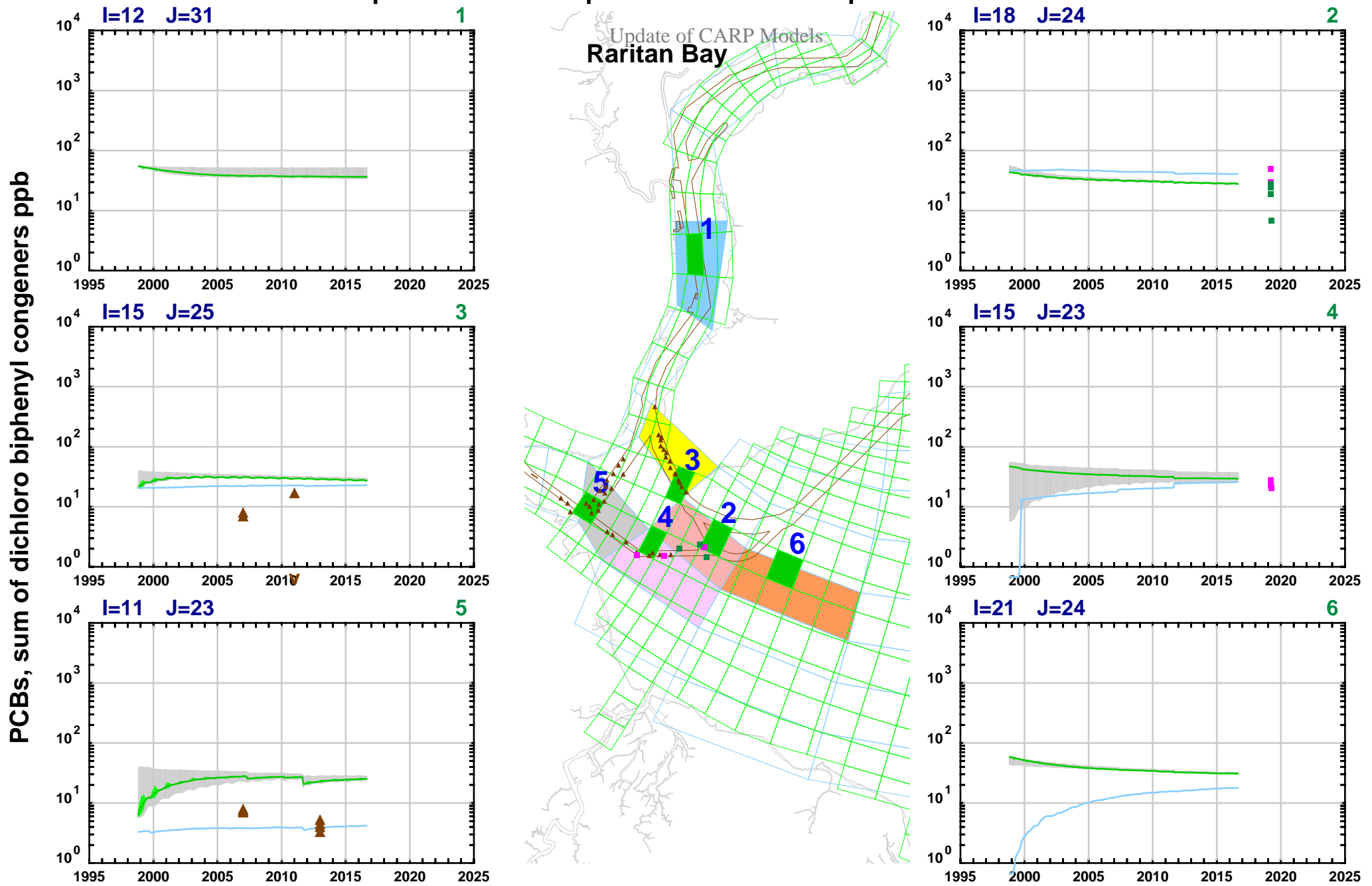


RUN18

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

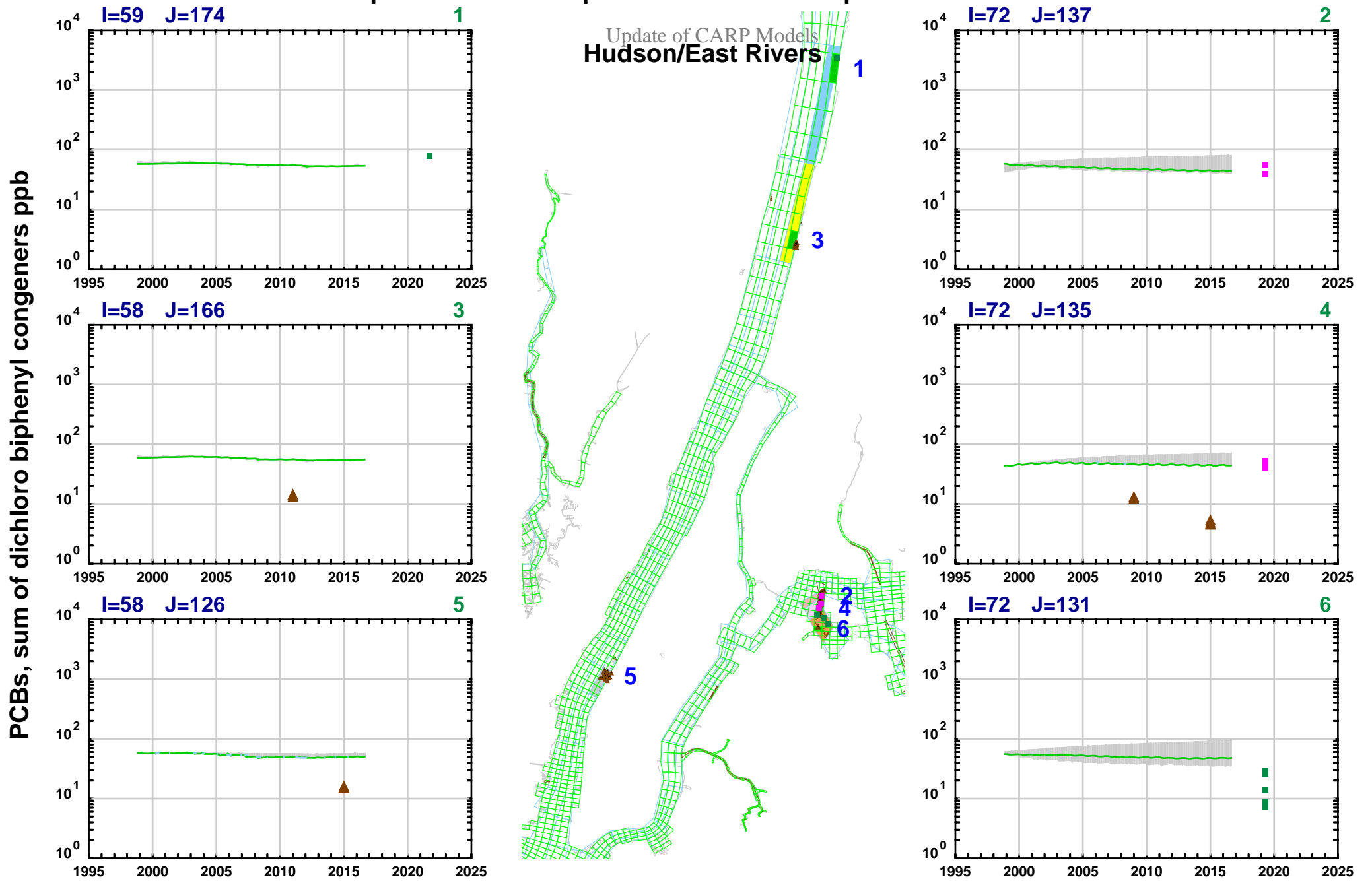


RUN18

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

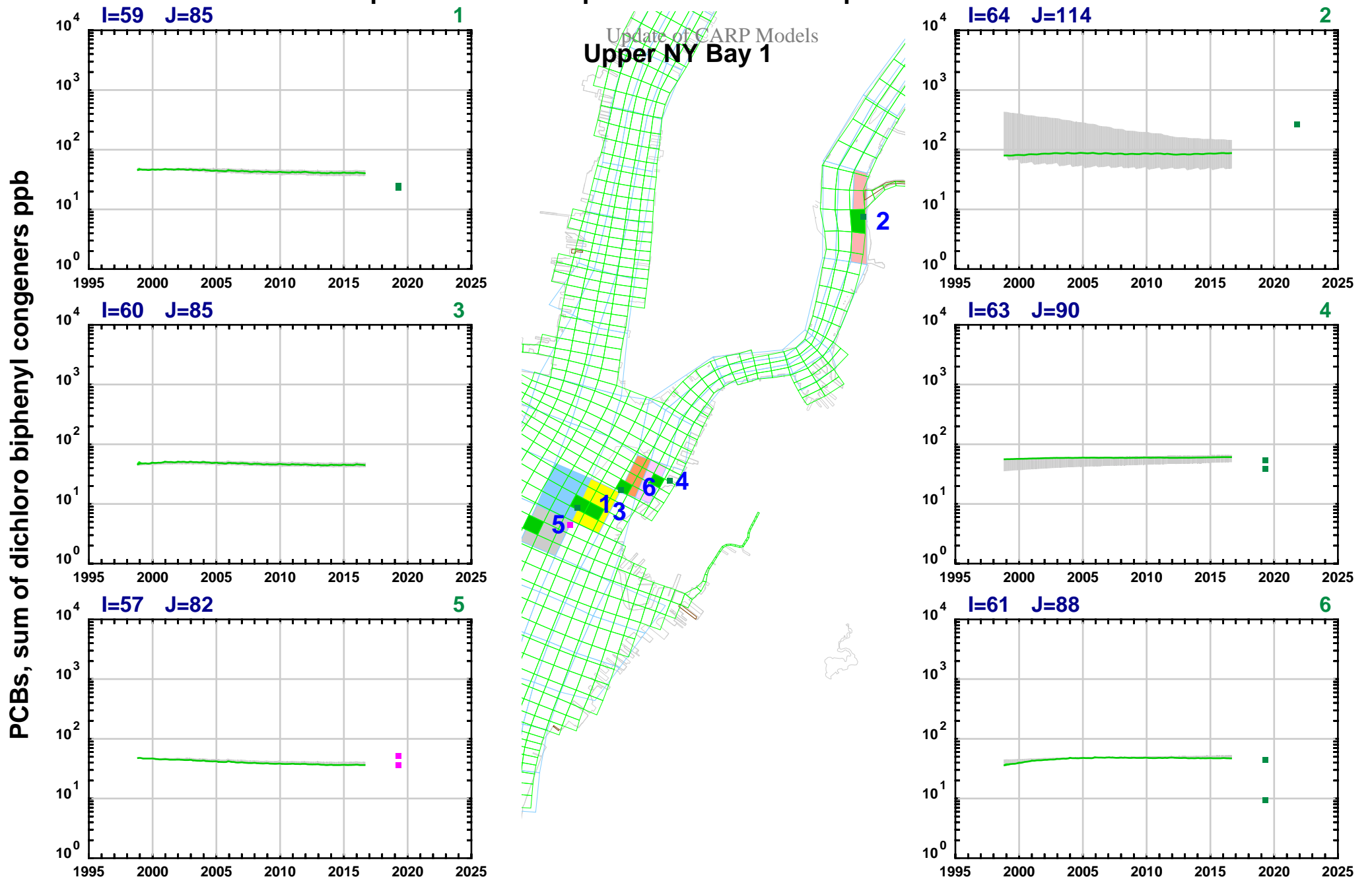


RUN18

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

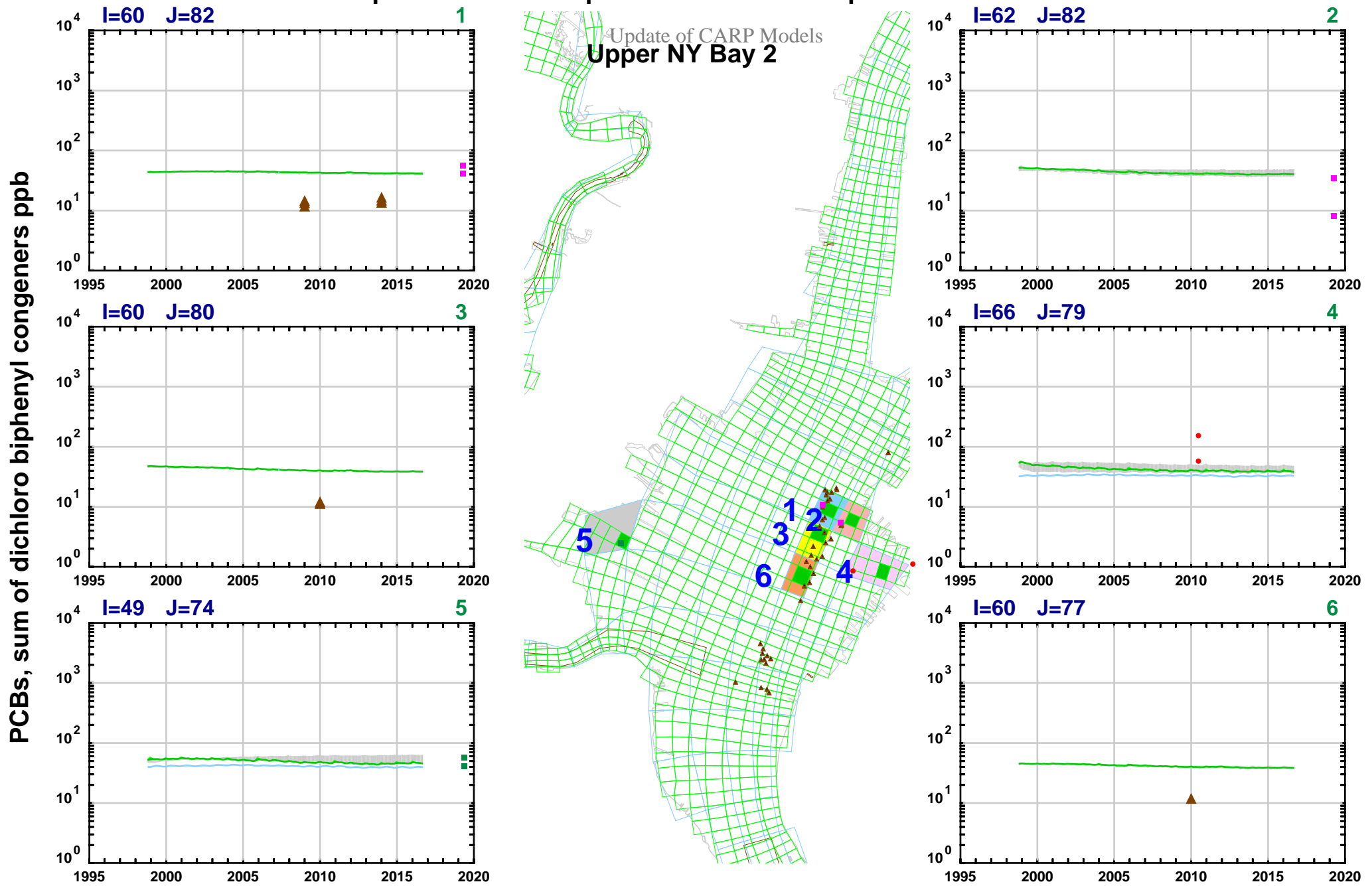


RUN18

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

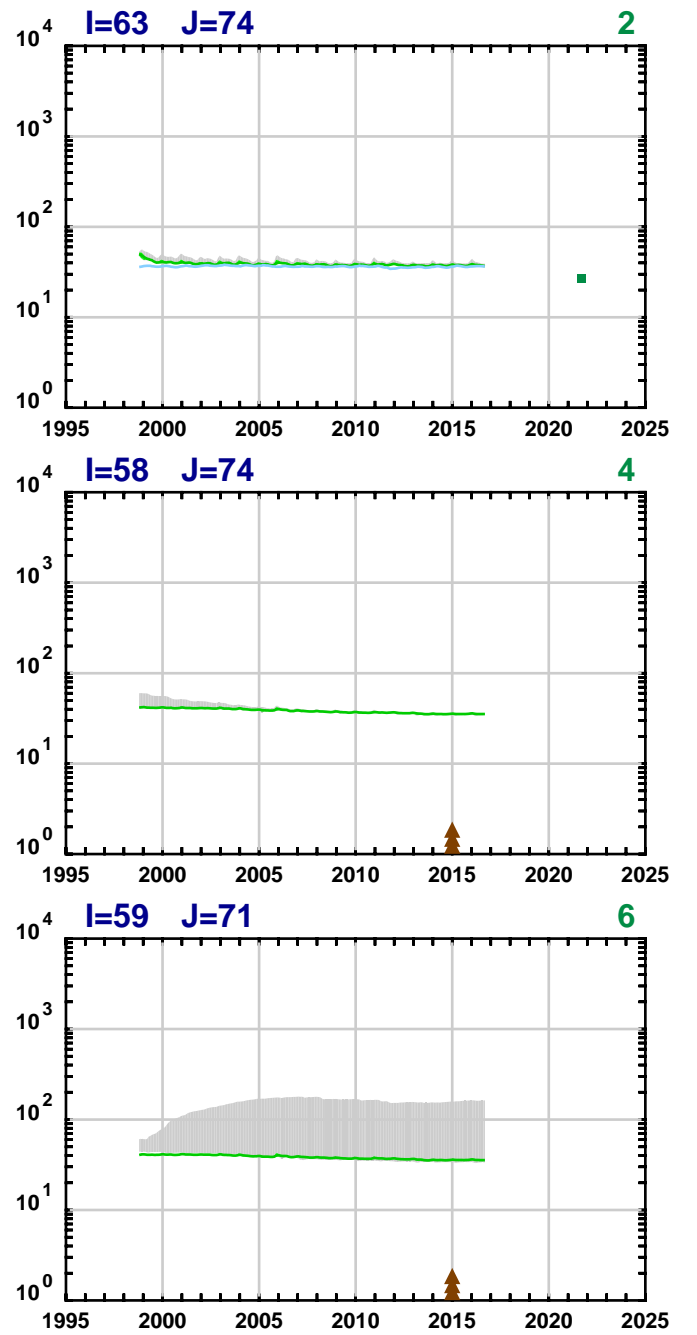
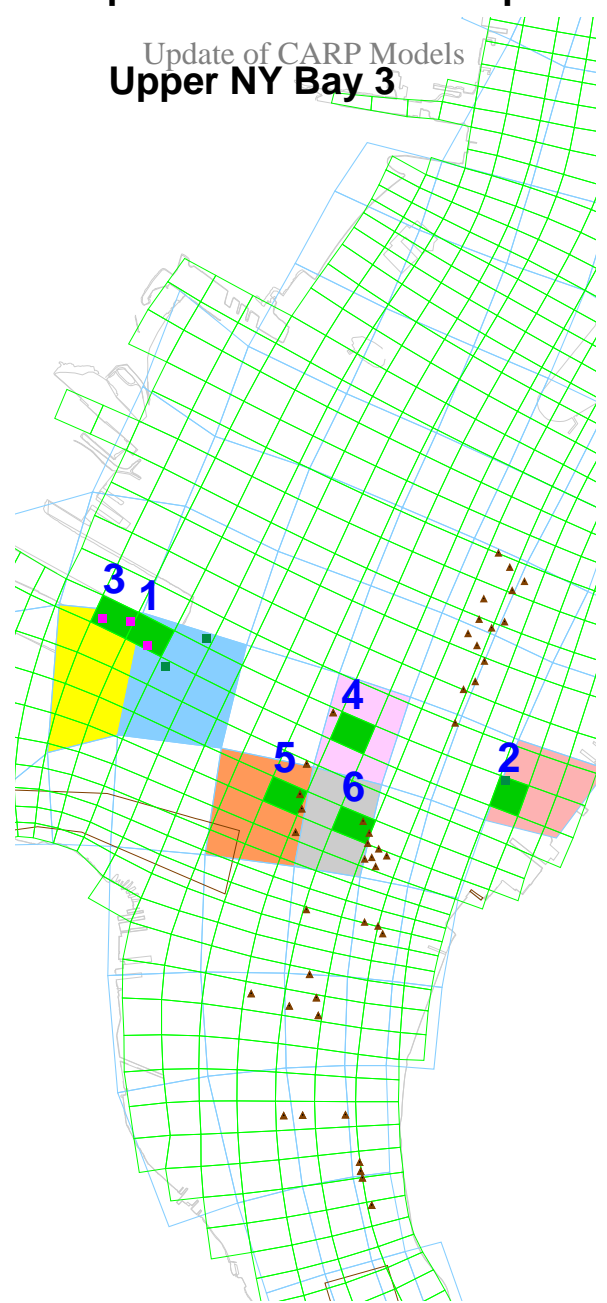
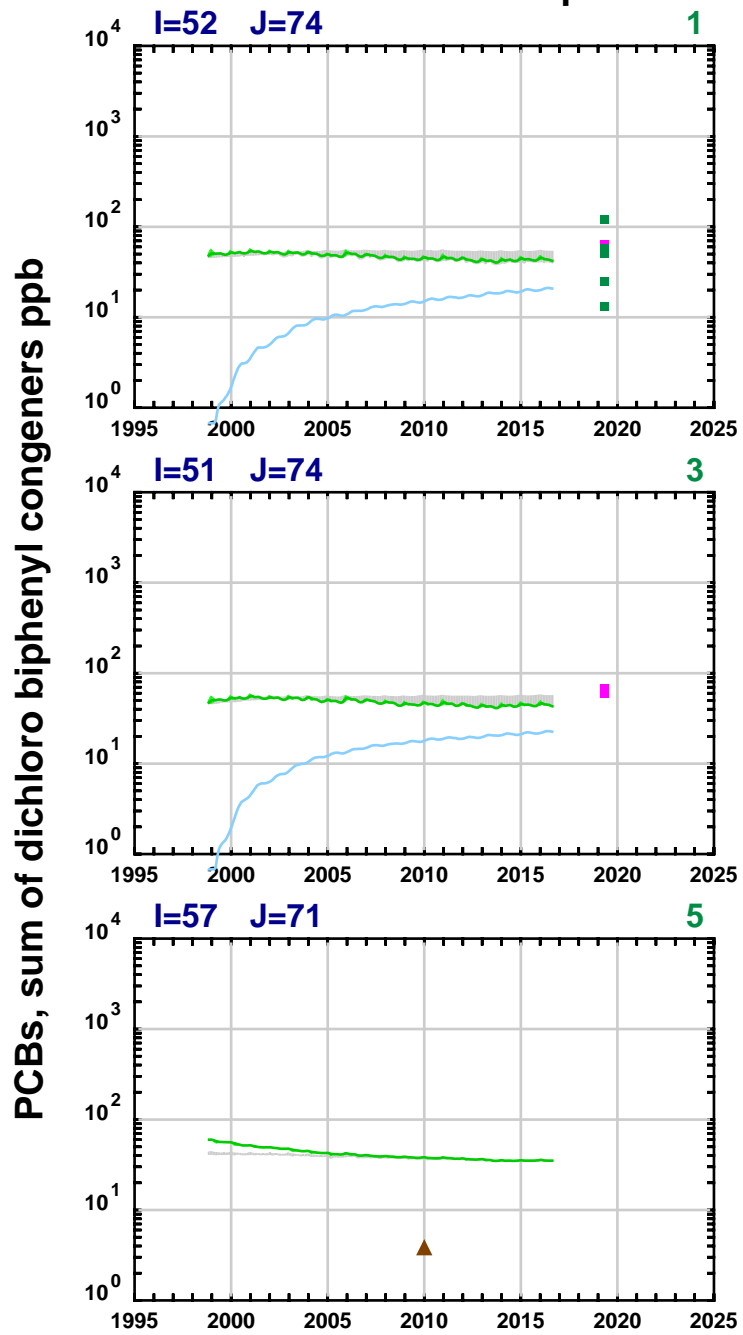


RUN18

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

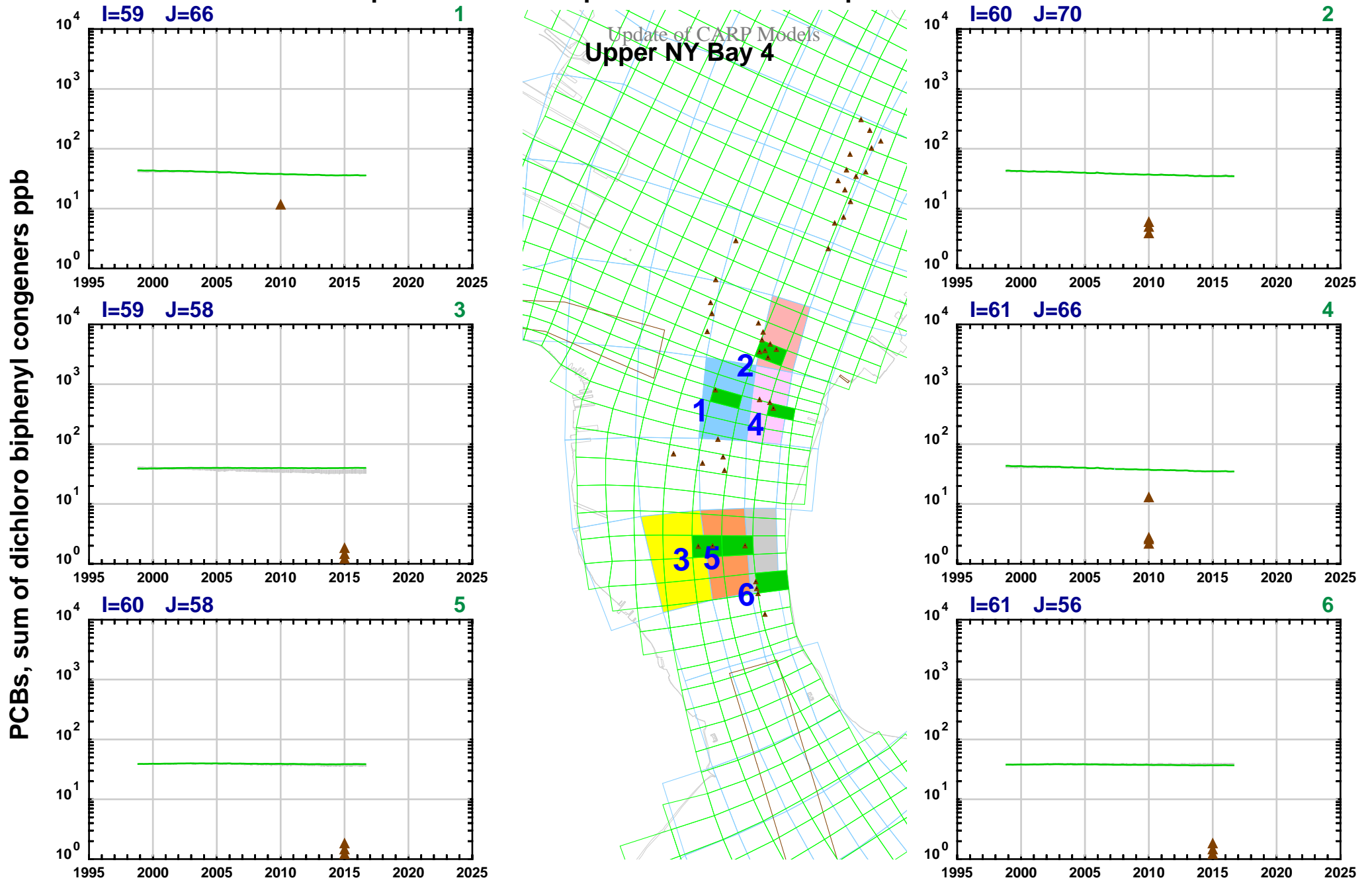


RUN18

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

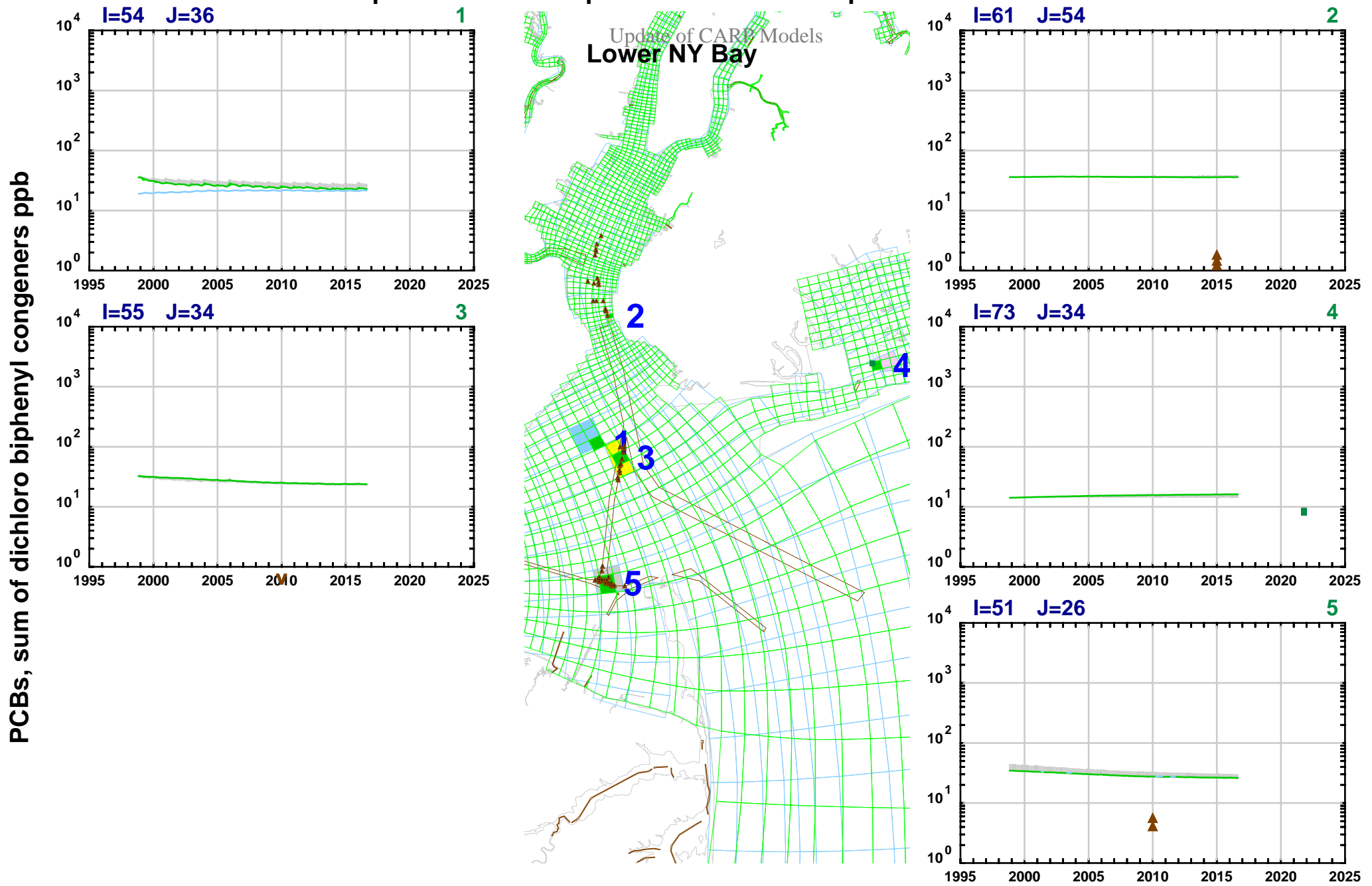


RUN18

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

● 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

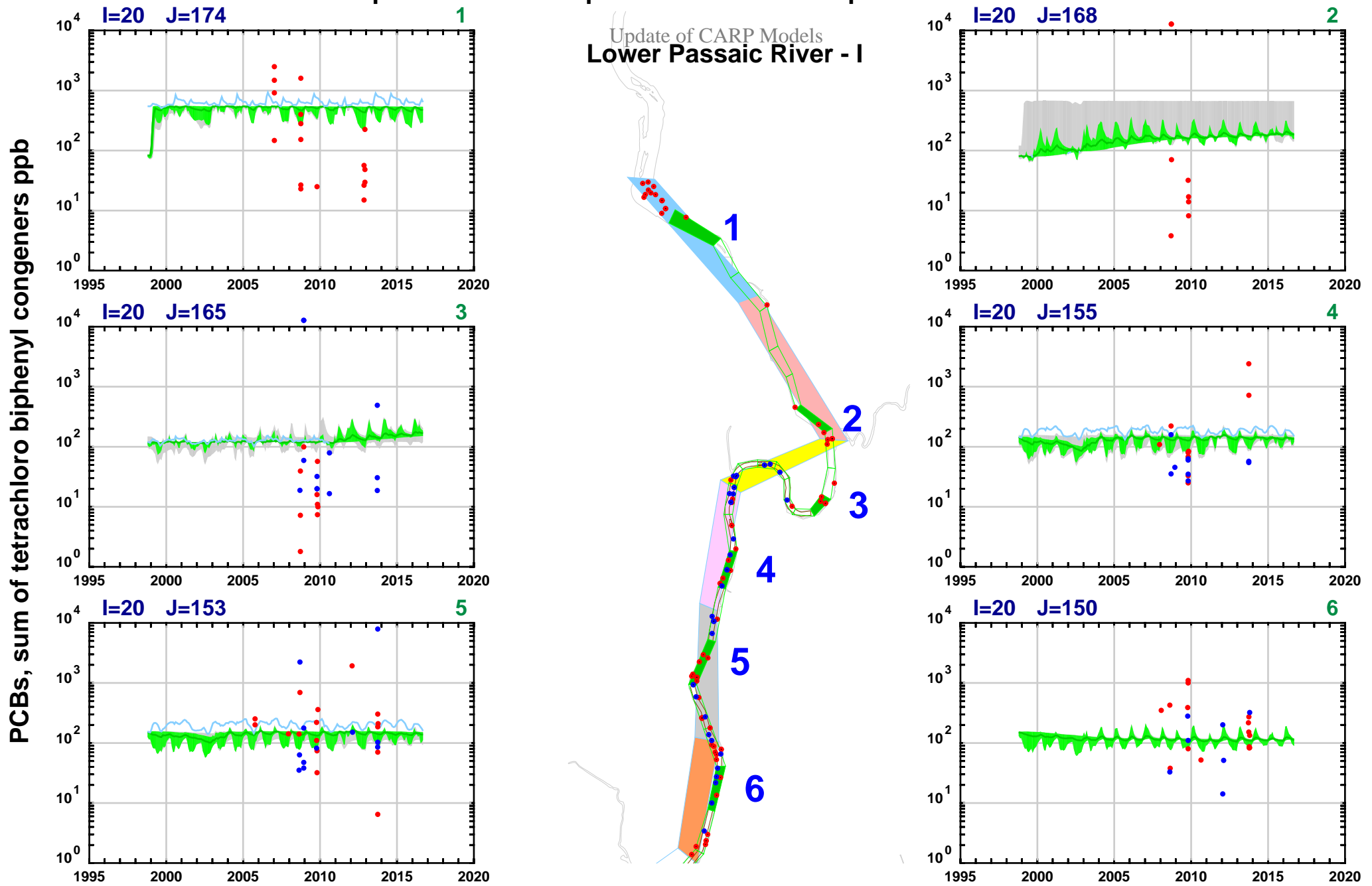


RUN18

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

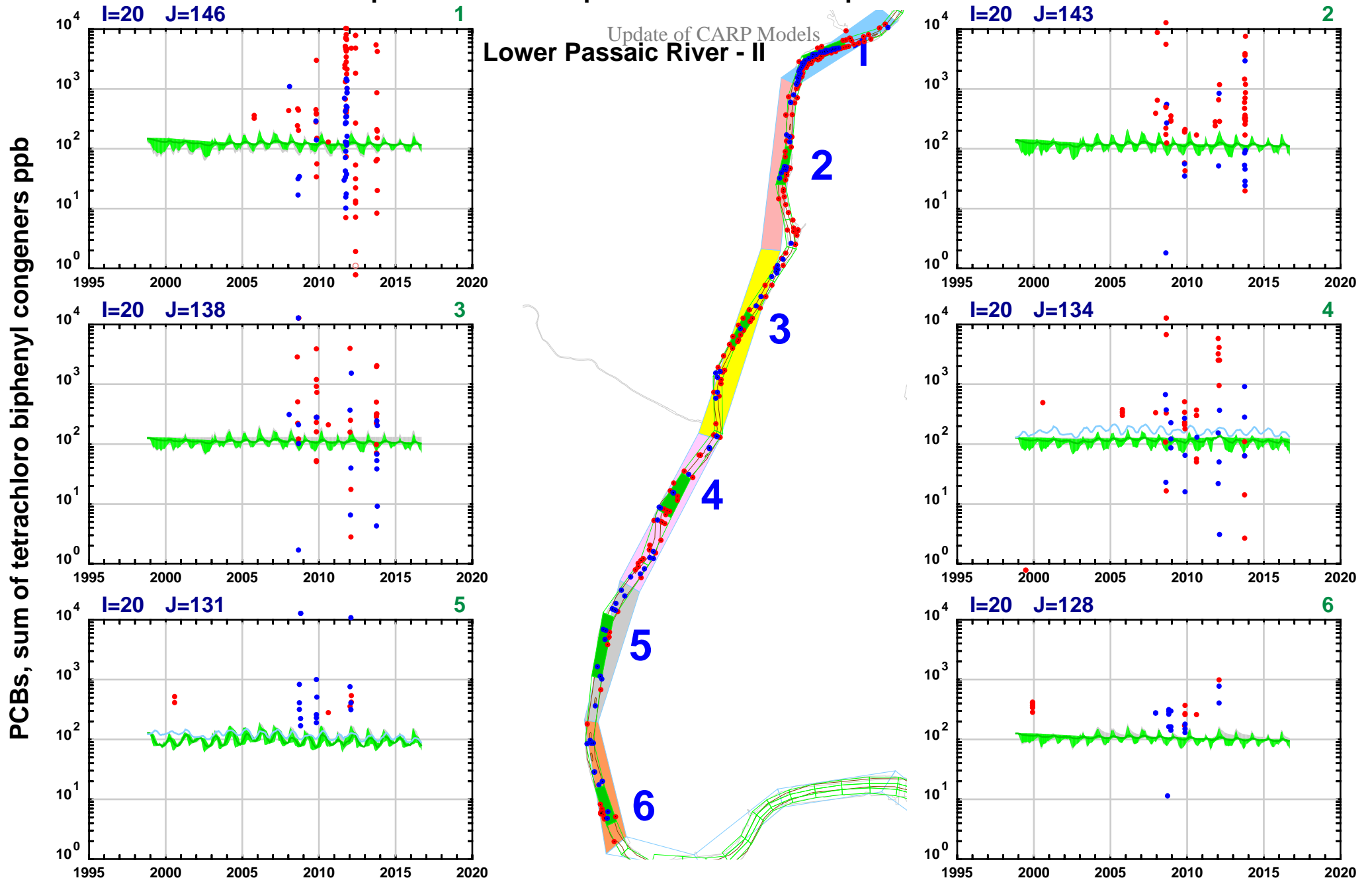


RUN18

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

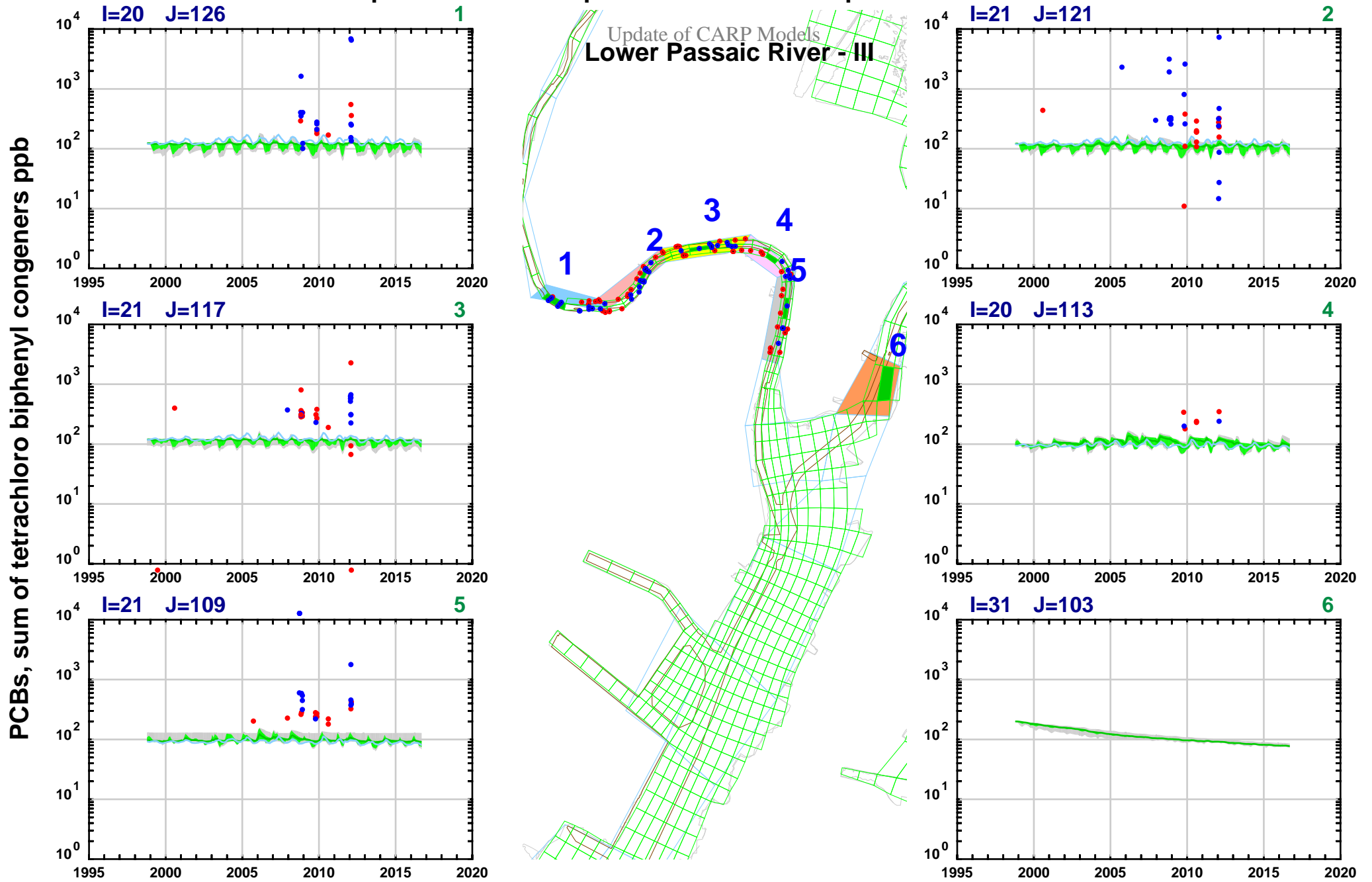


RUN18

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

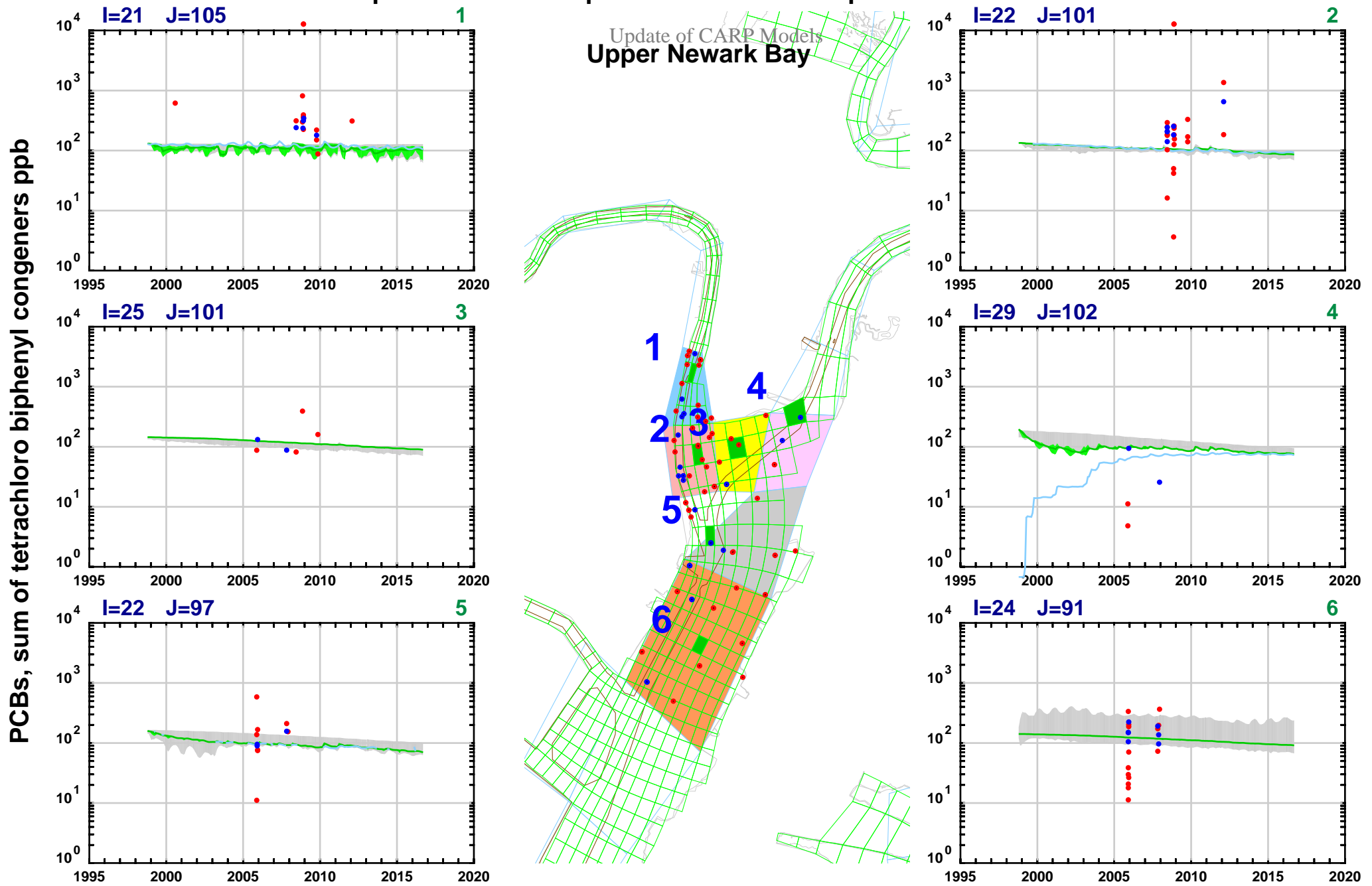


RUN18

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

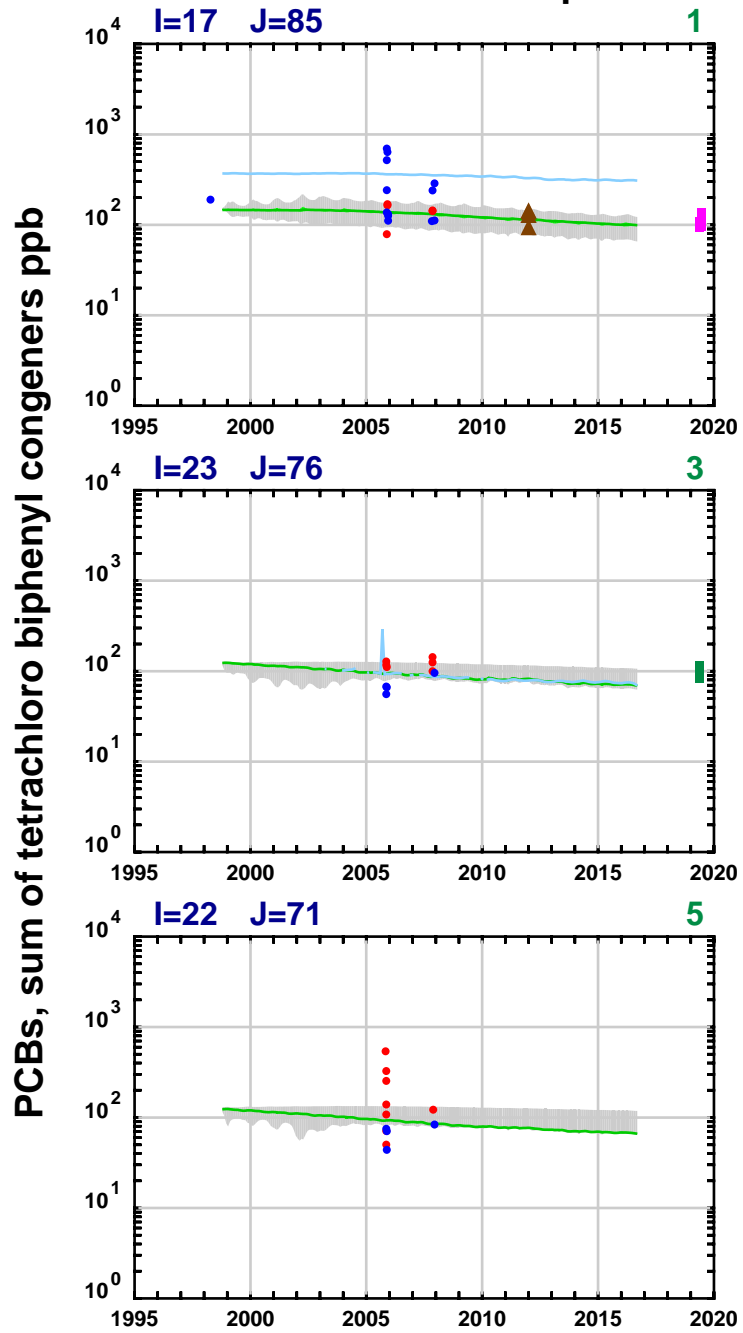


RUN18

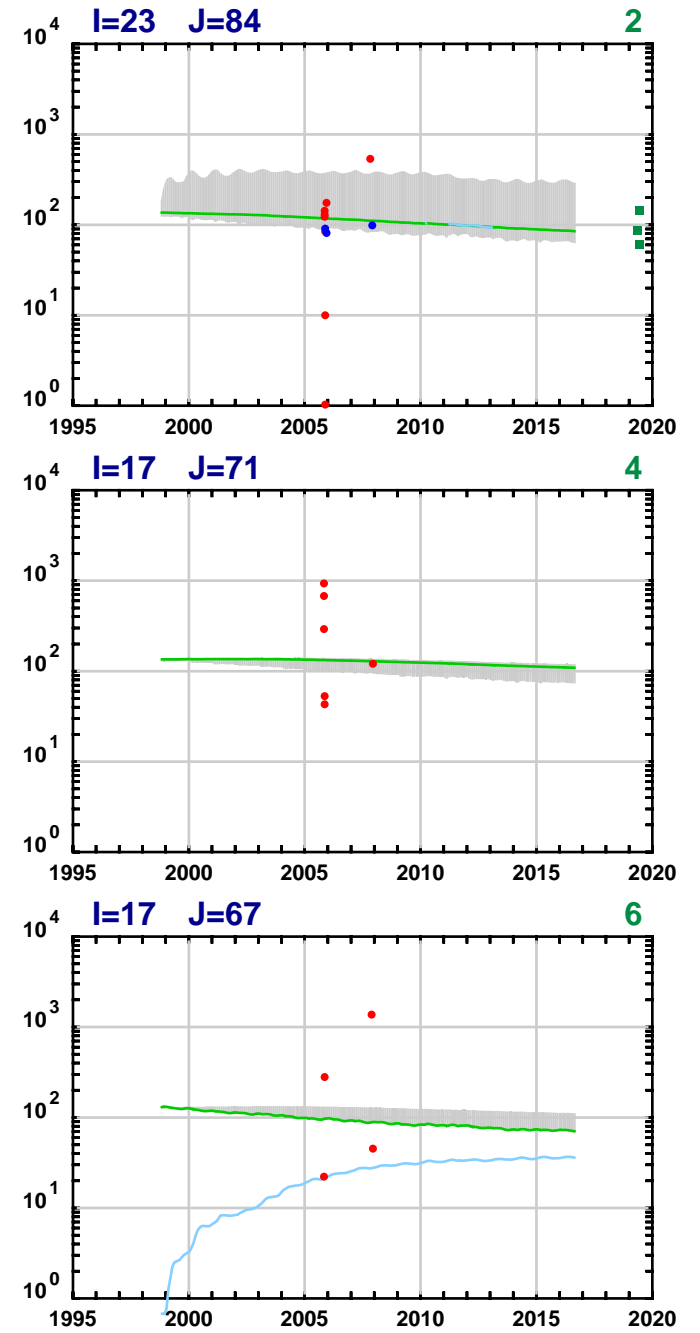
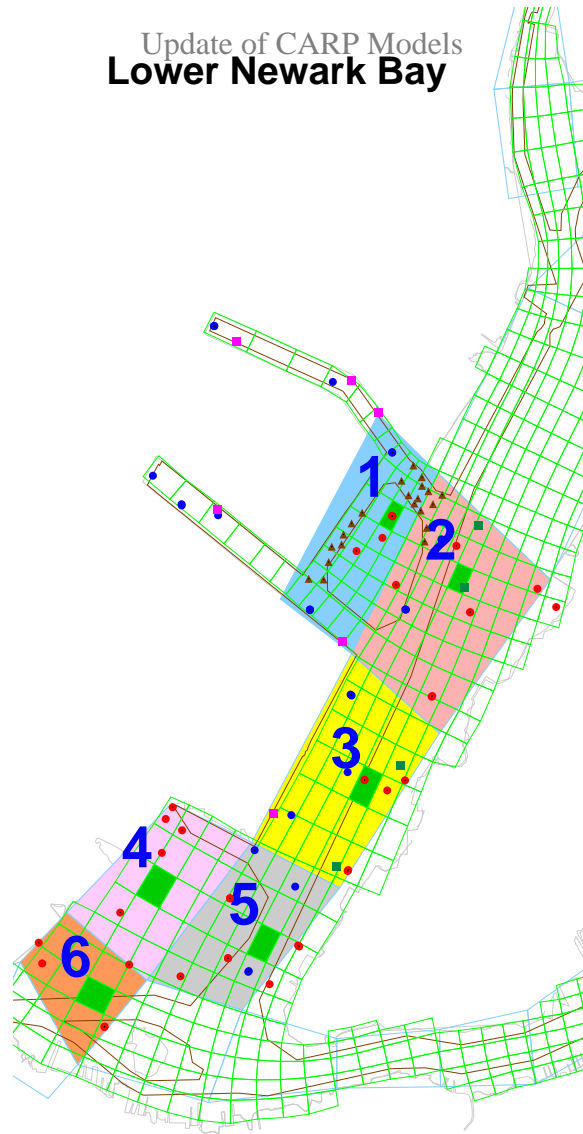
Model: mean and range of values in top sediment
 Model: mean and range of values in bottom sediment

● 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 Newark Bay

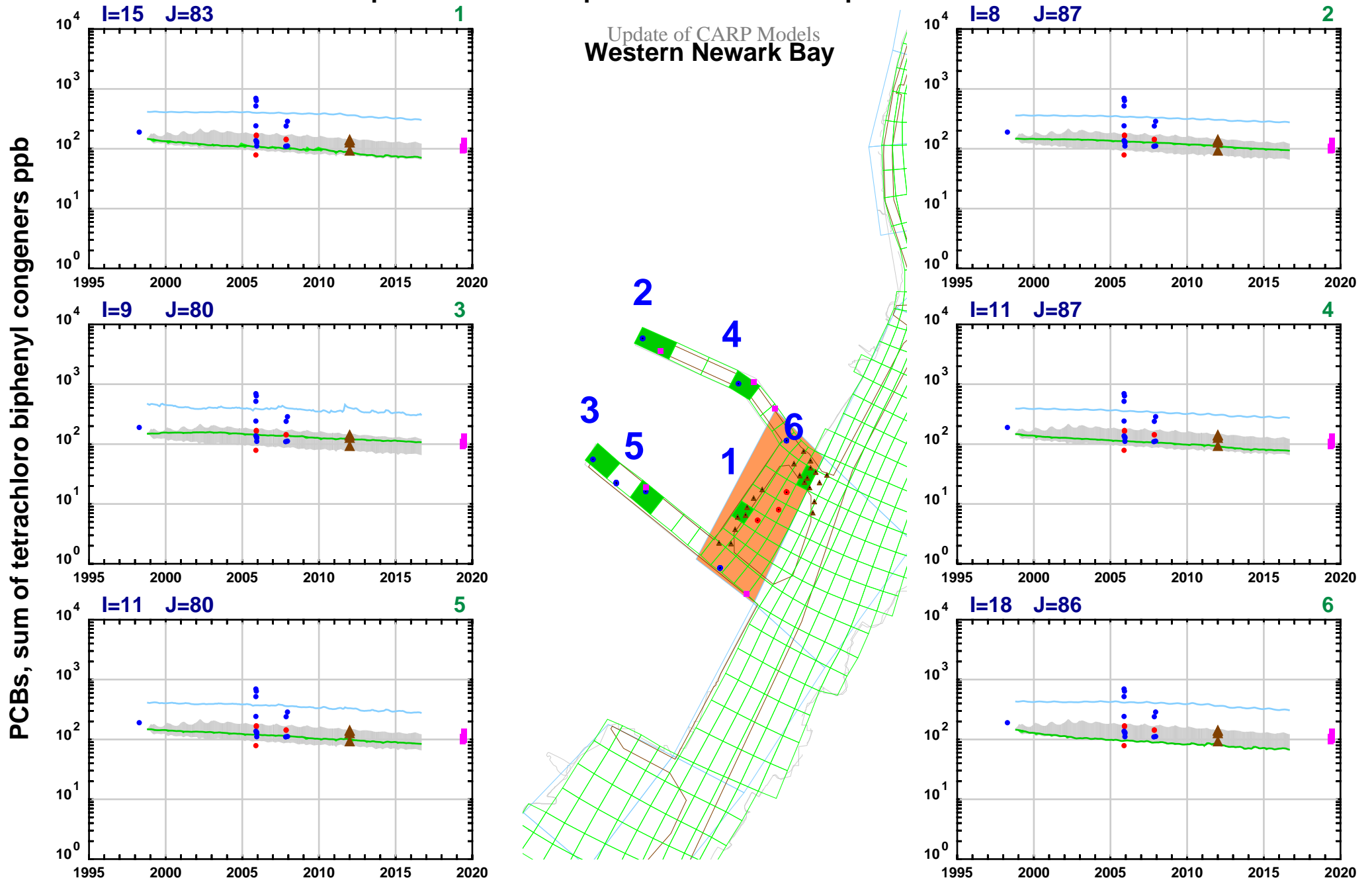


RUN18

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



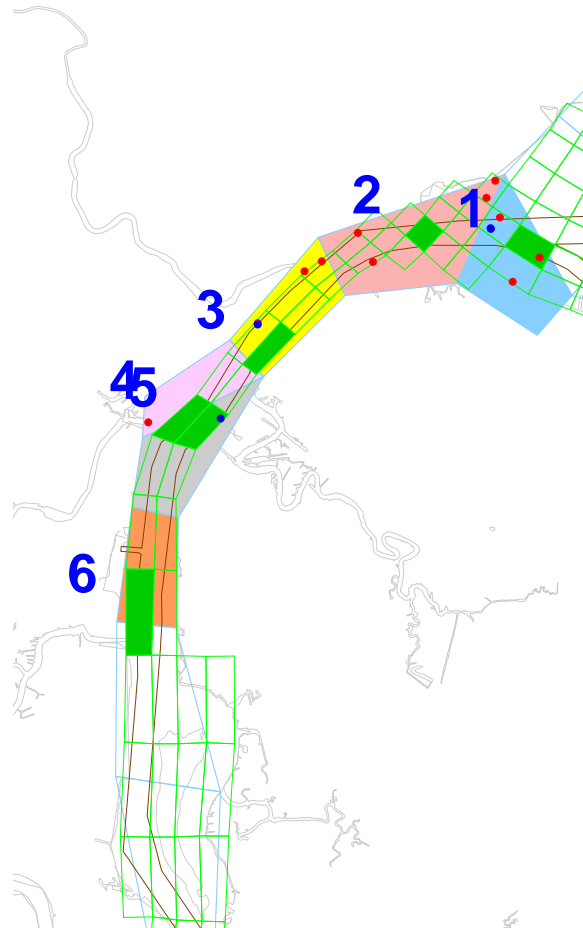
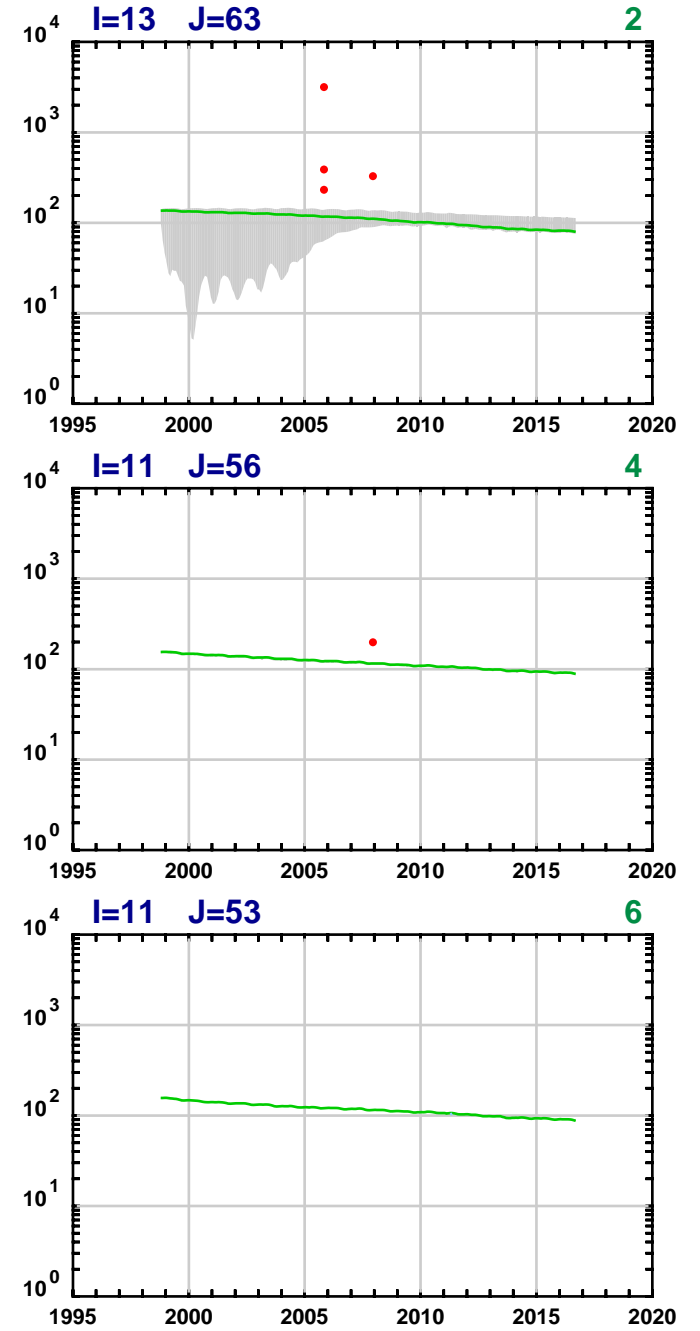
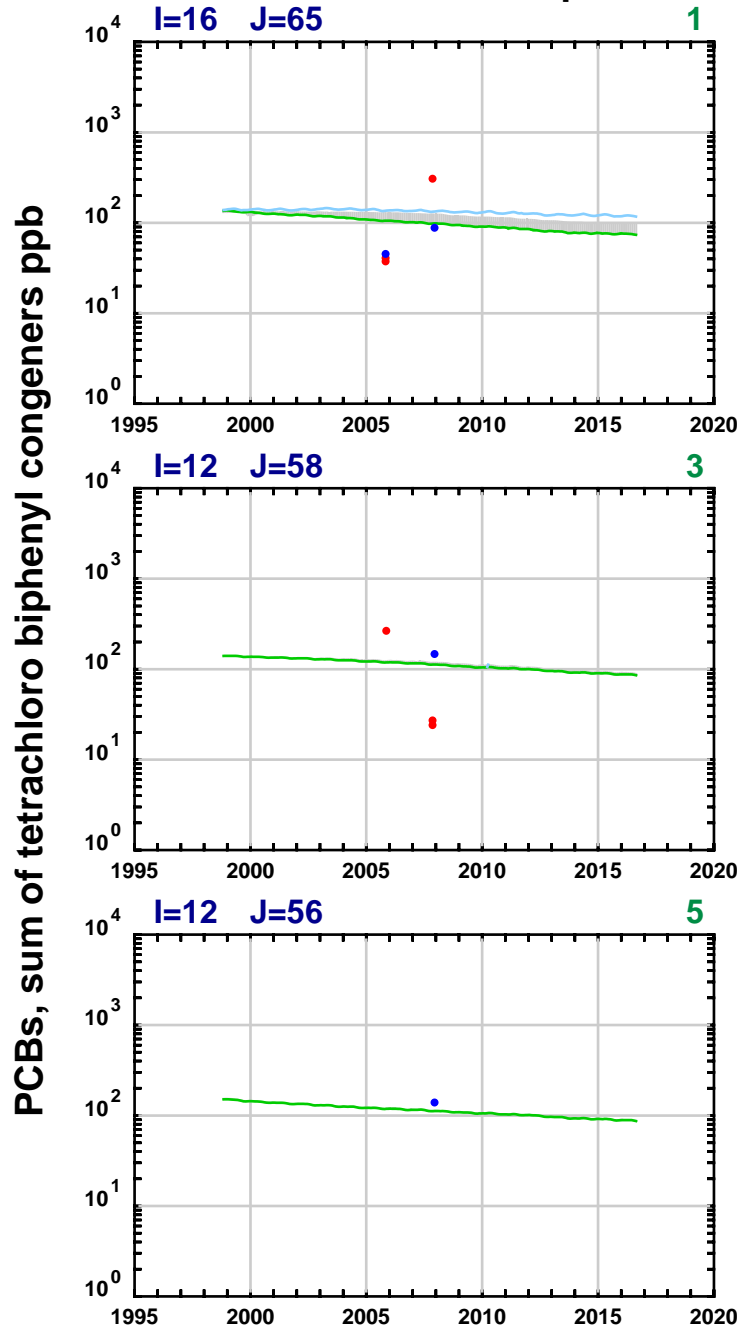
RUN18

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

Update of CARP Models
Arthur Kill 1

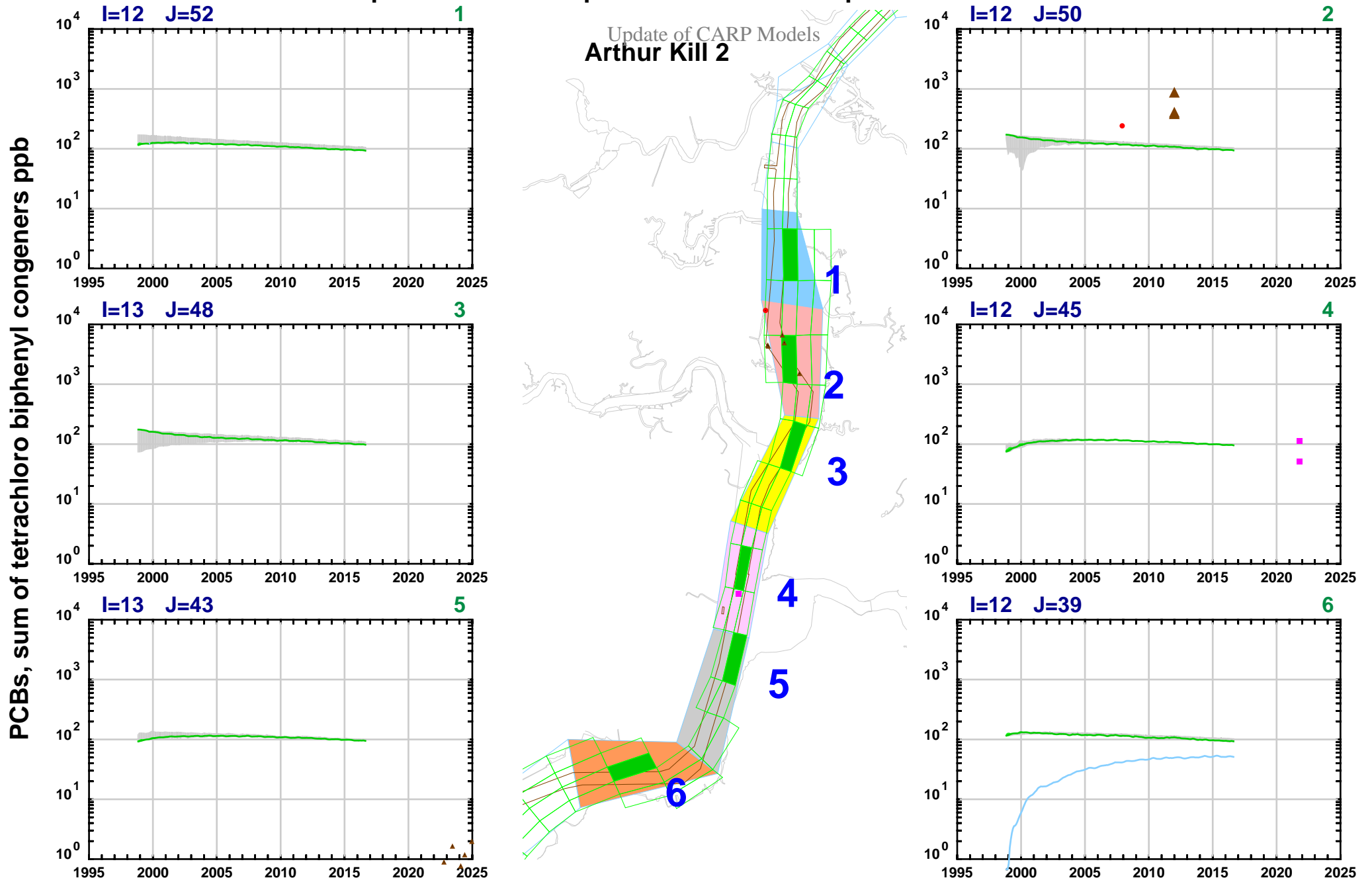


RUN18

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

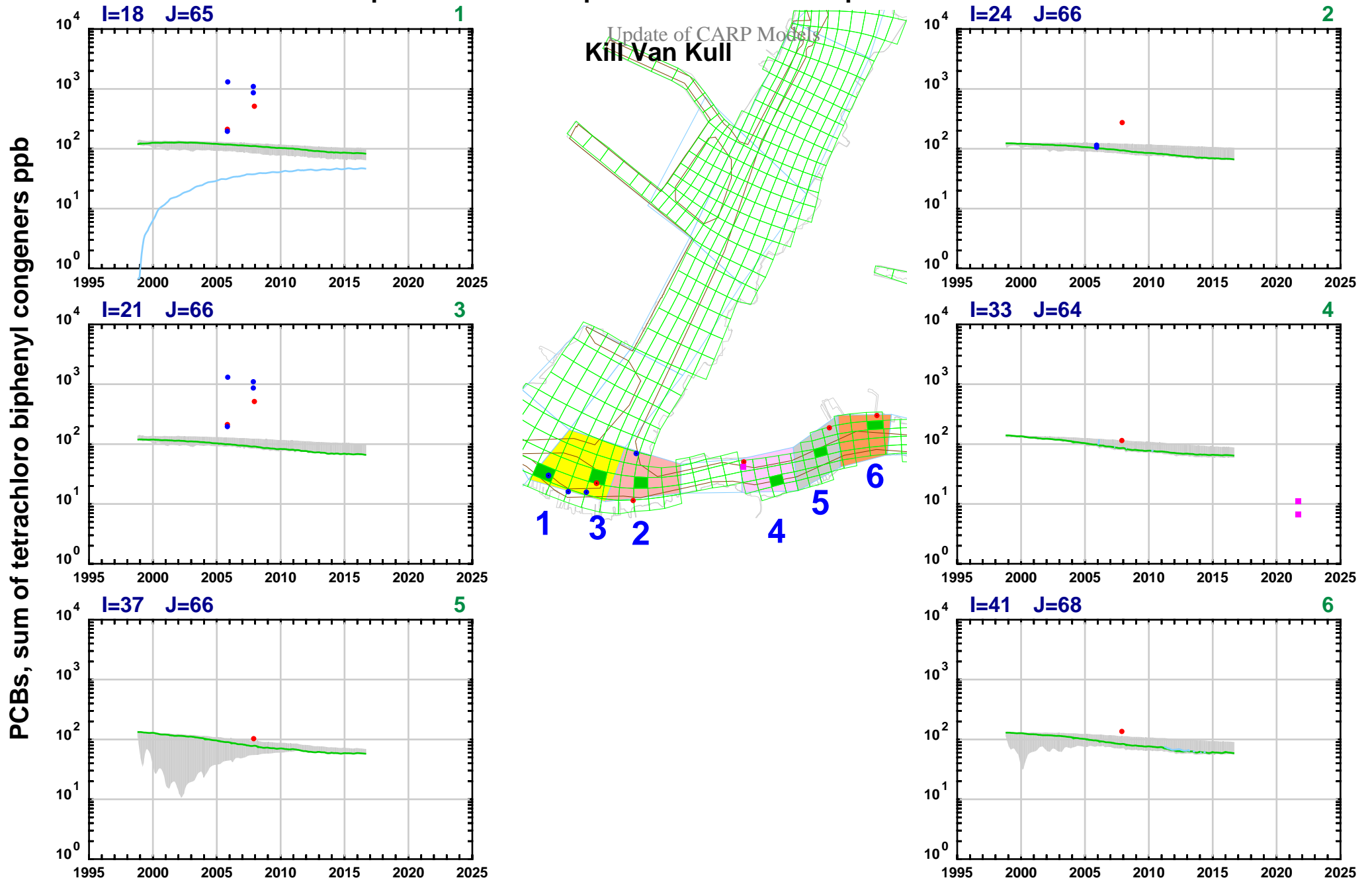
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18

Top 15 cm data comparison with model top 10 cm sediment

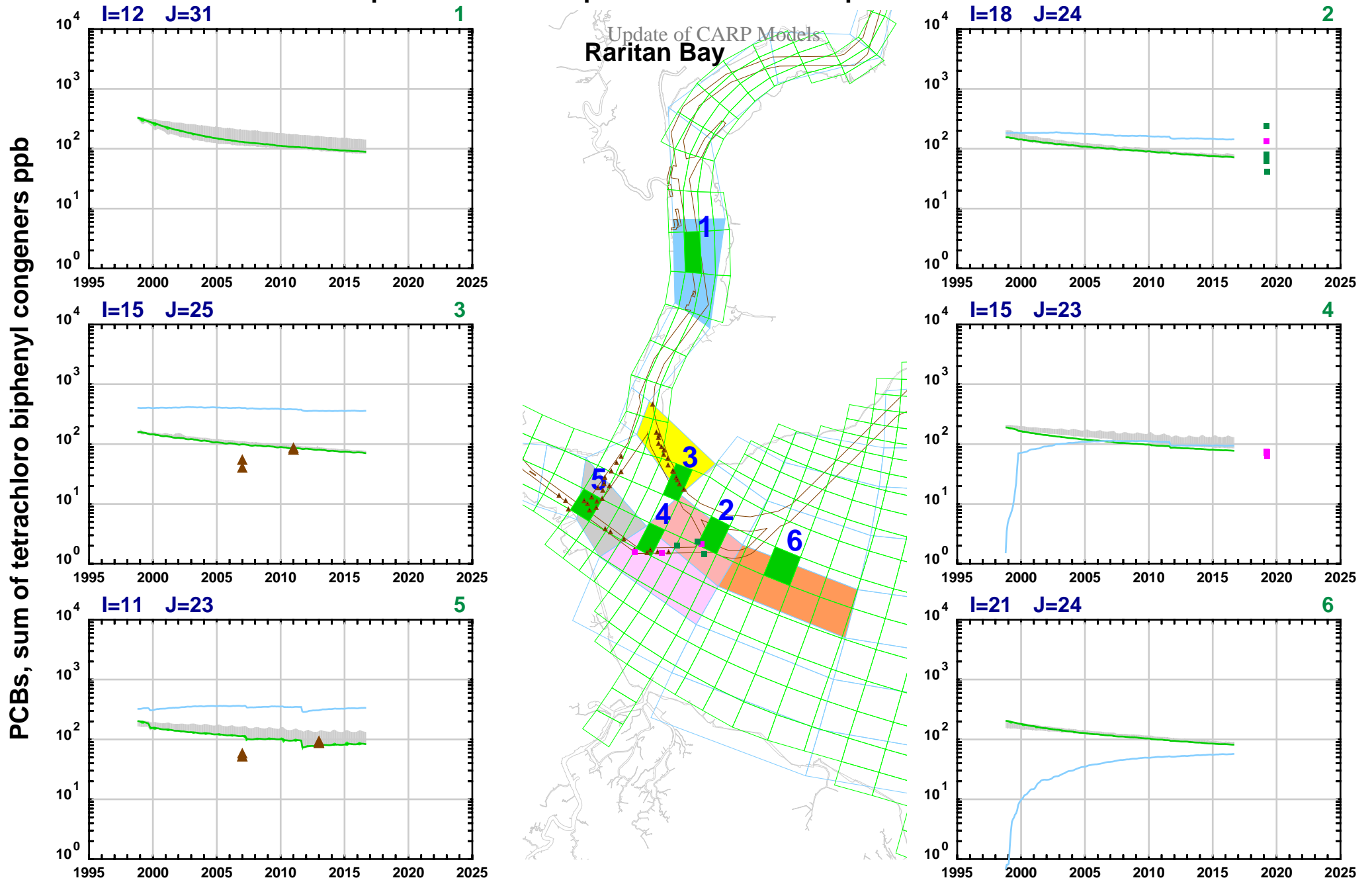


RUN18

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

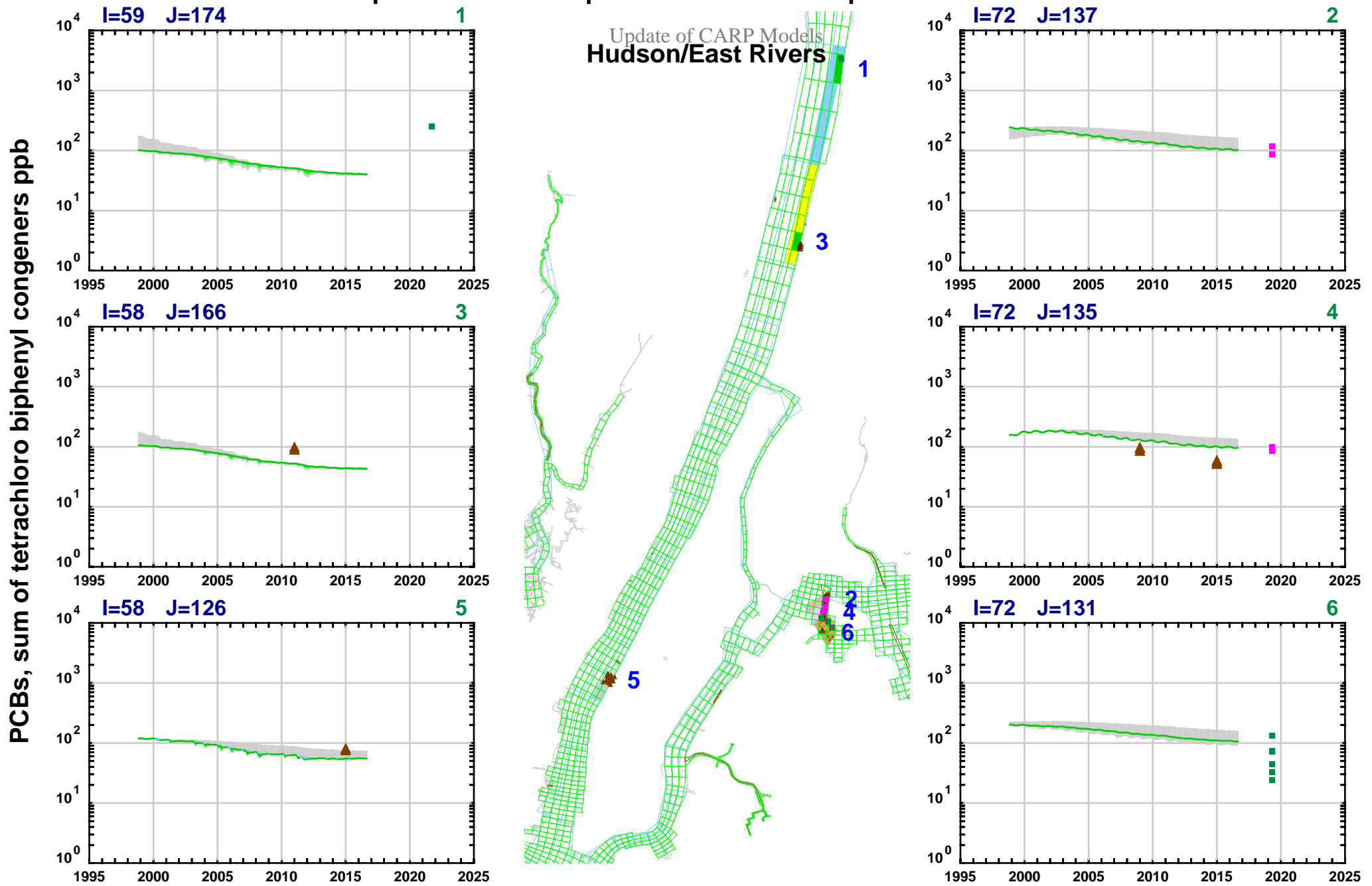


RUN18

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

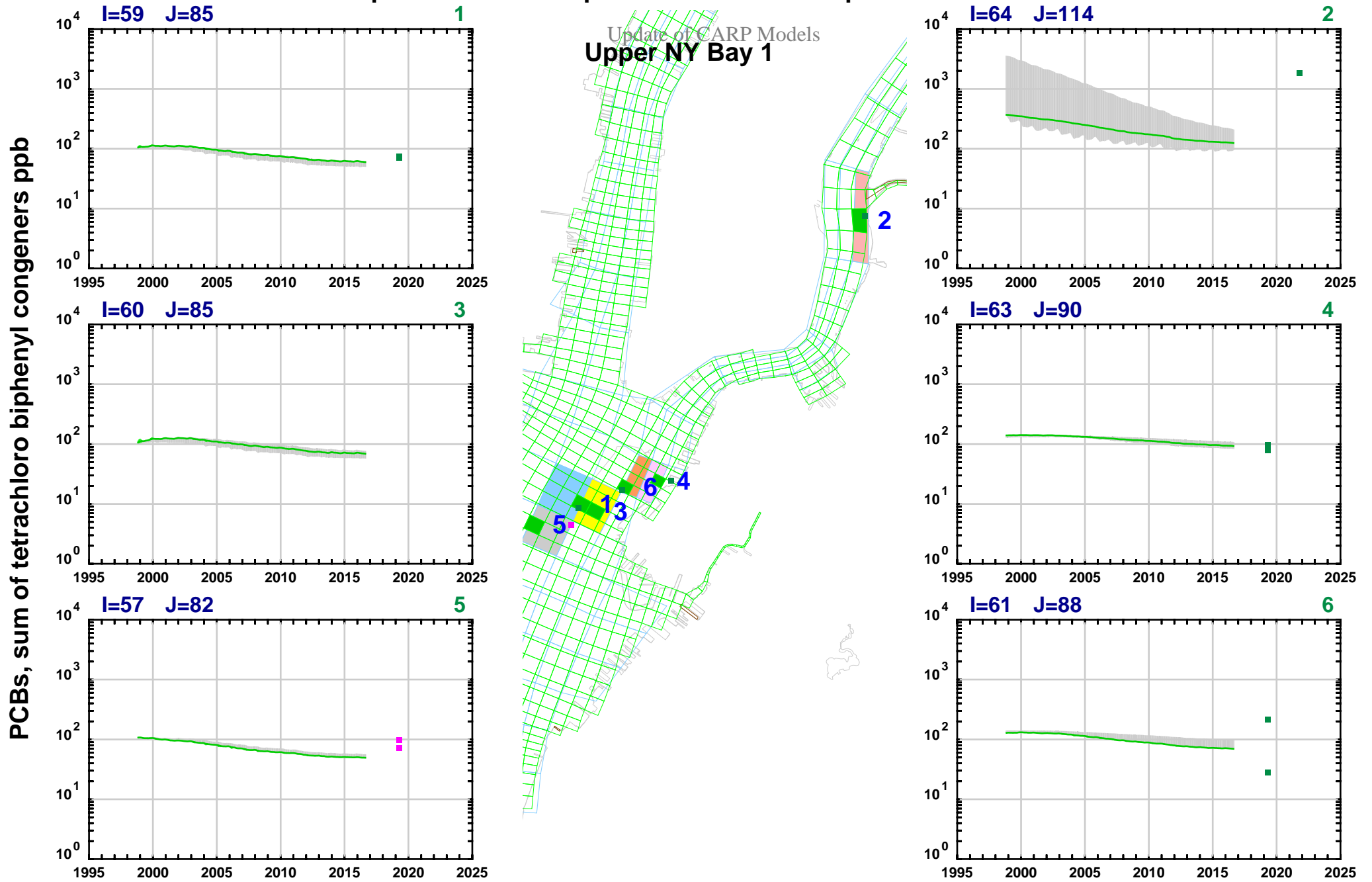


RUN18

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

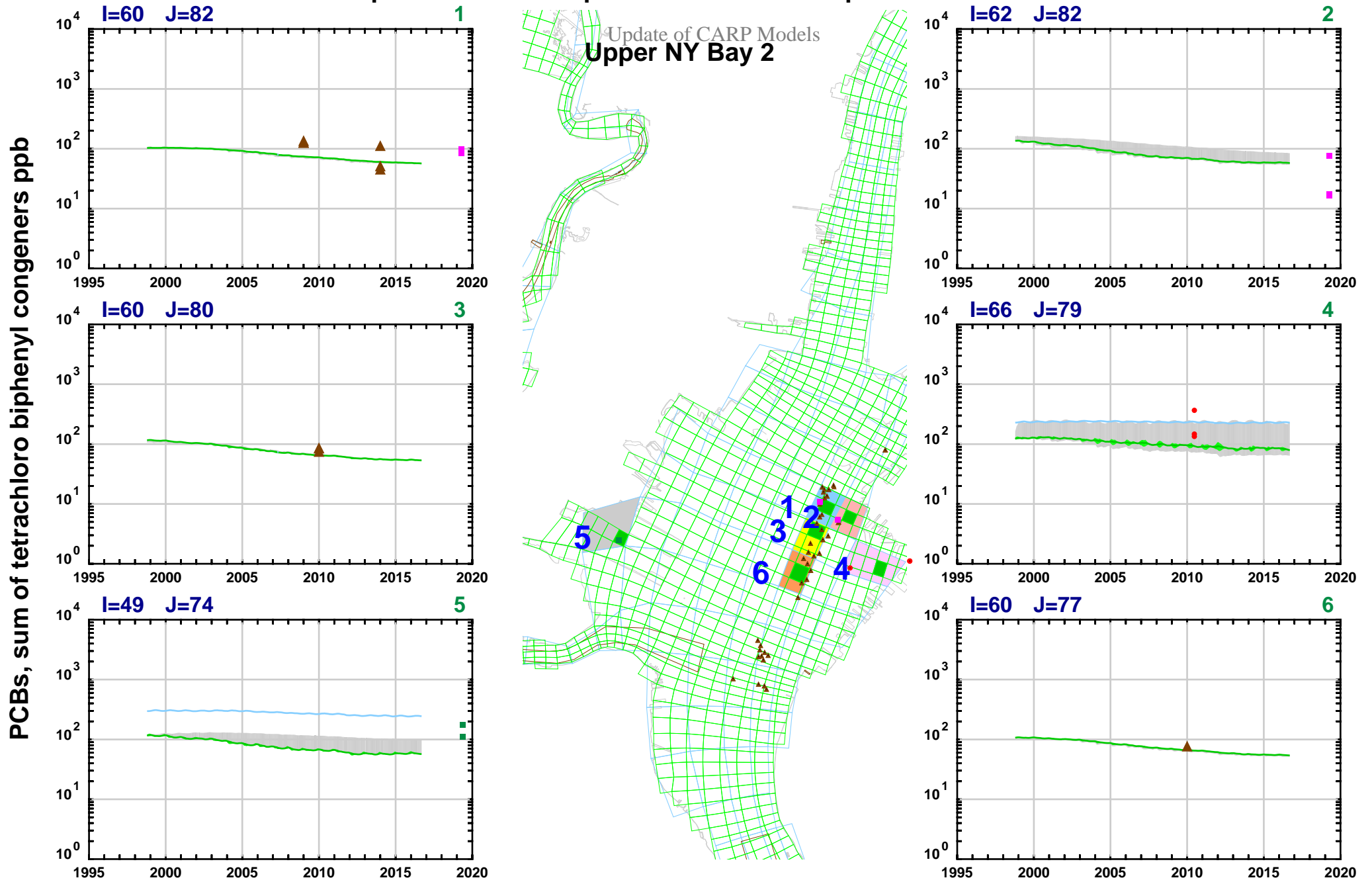


RUN18

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

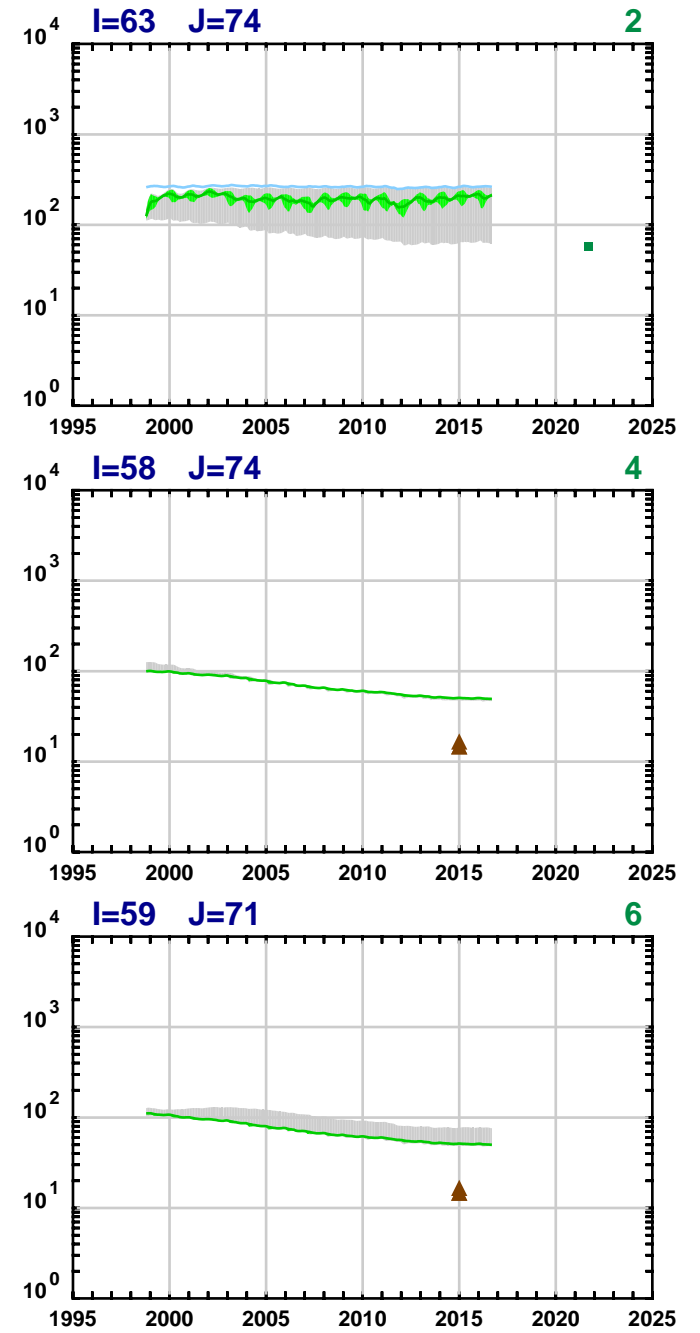
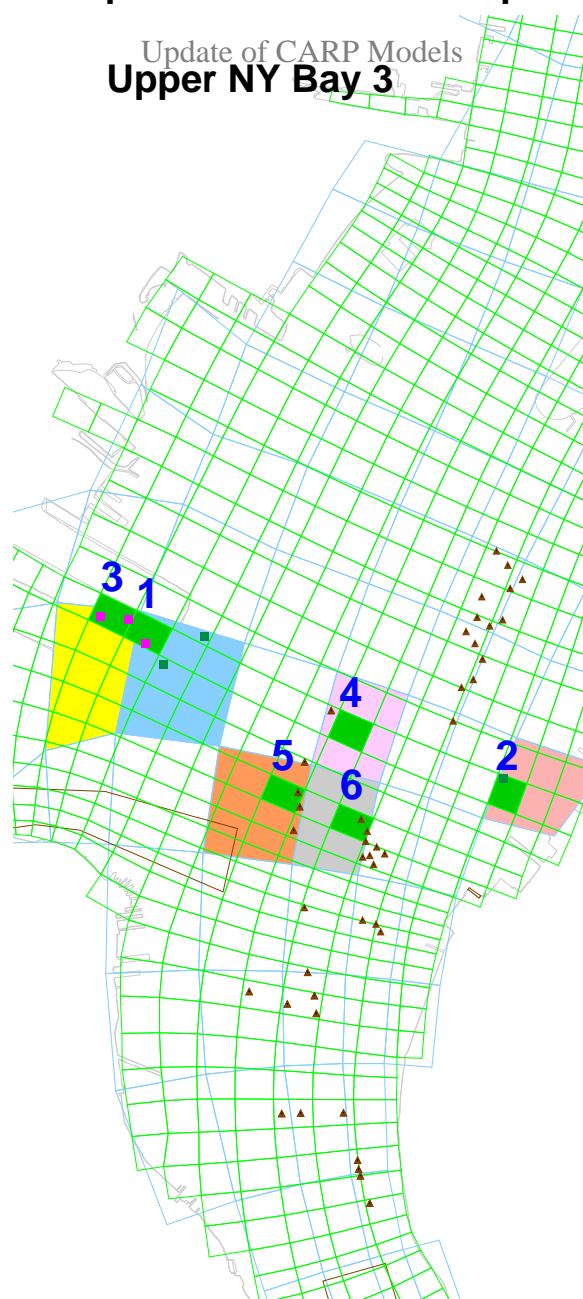
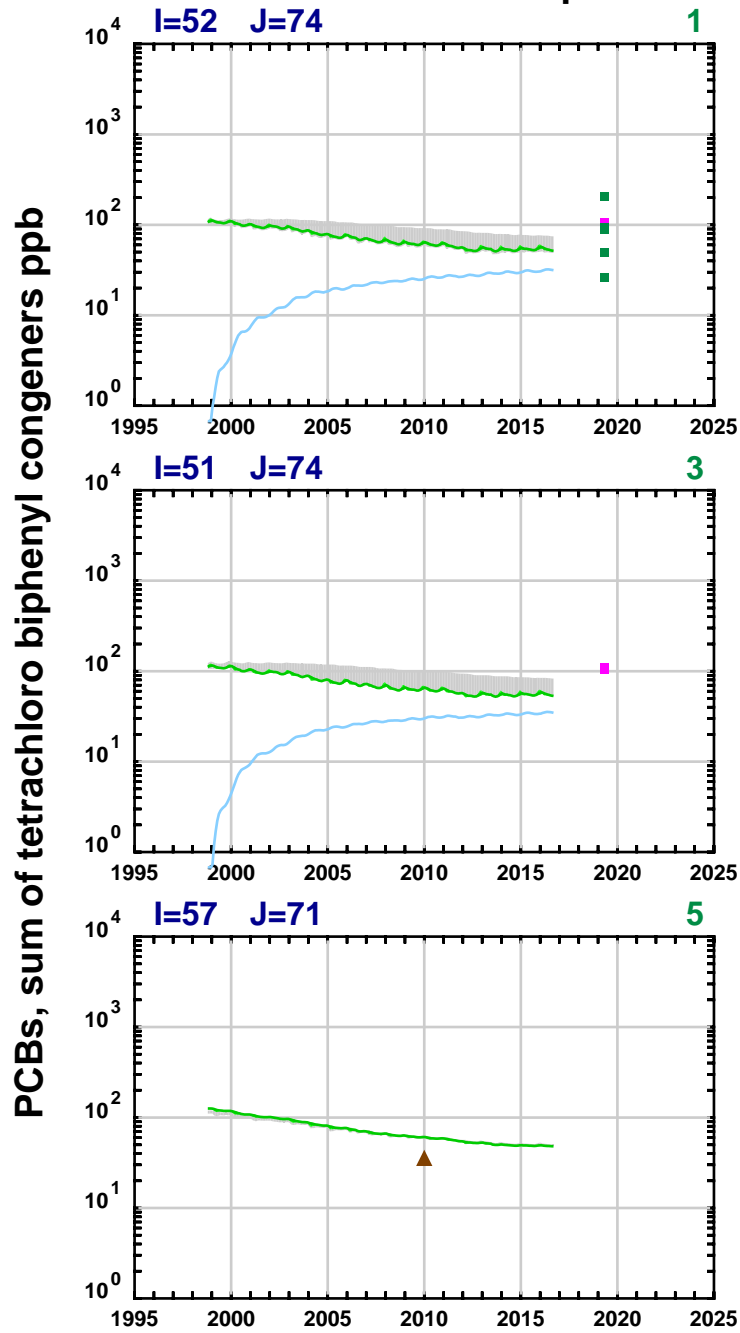


RUN18

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

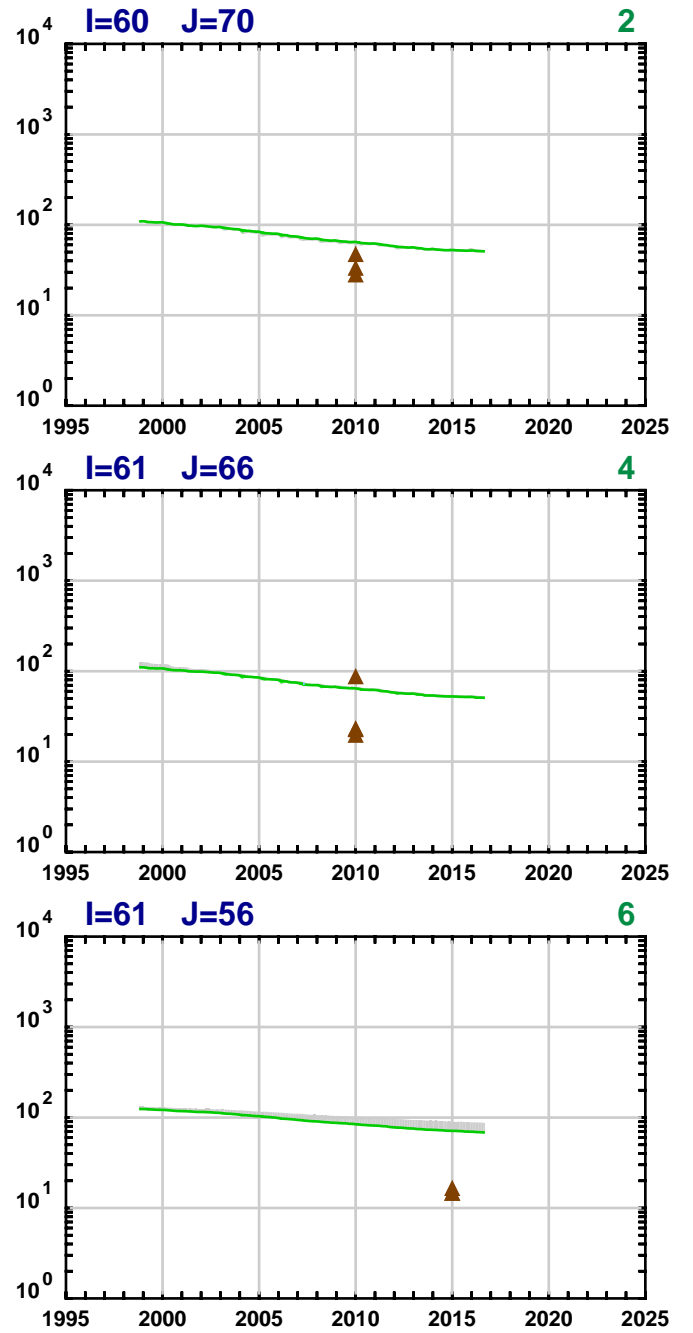
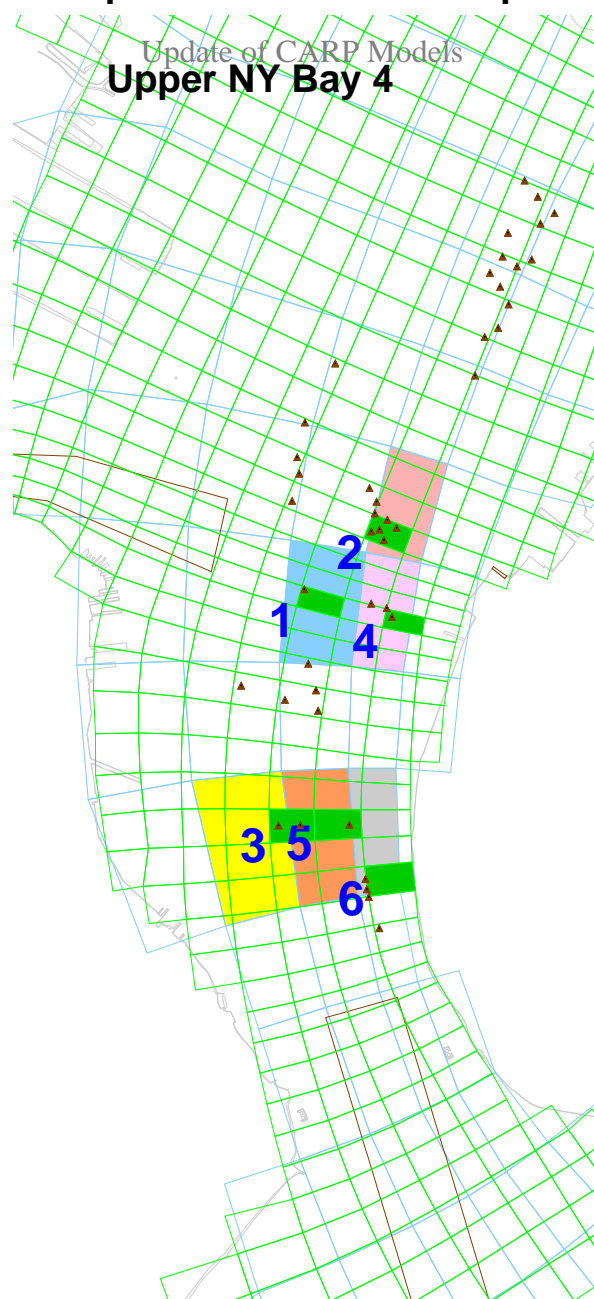
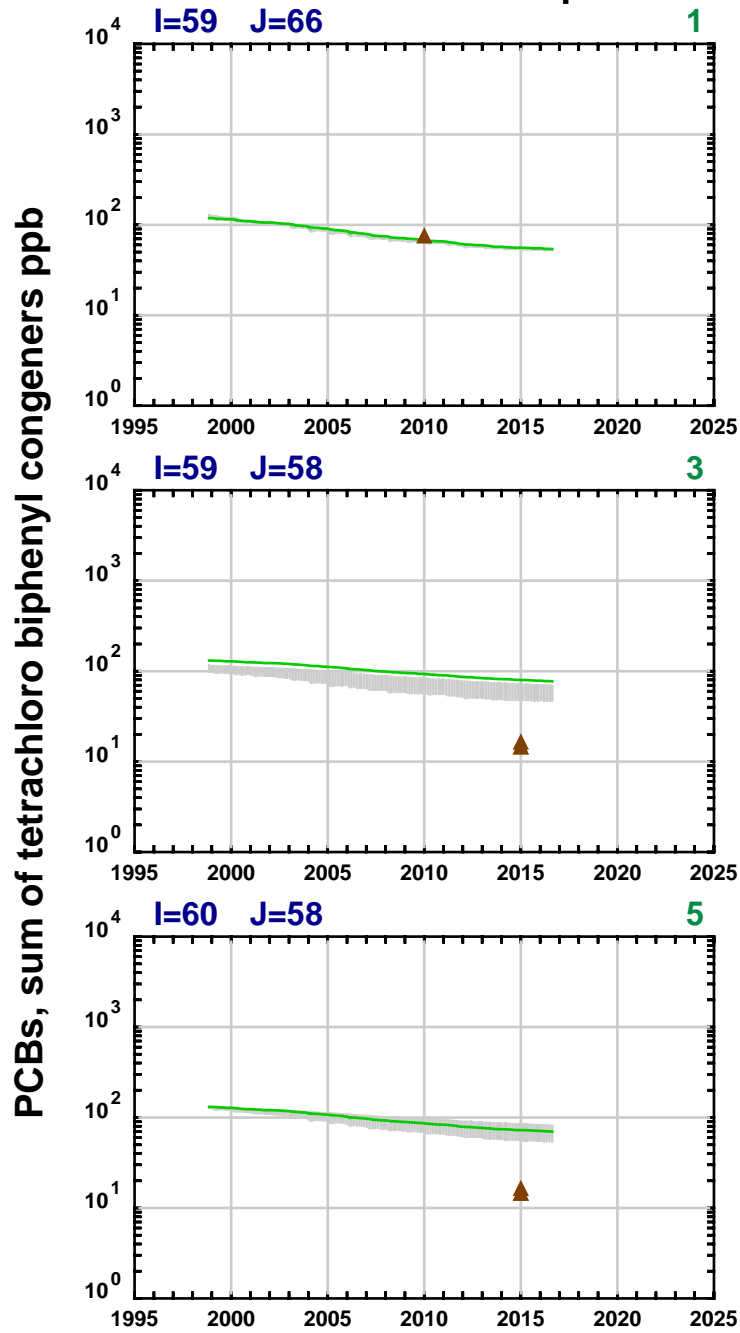


RUN18

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

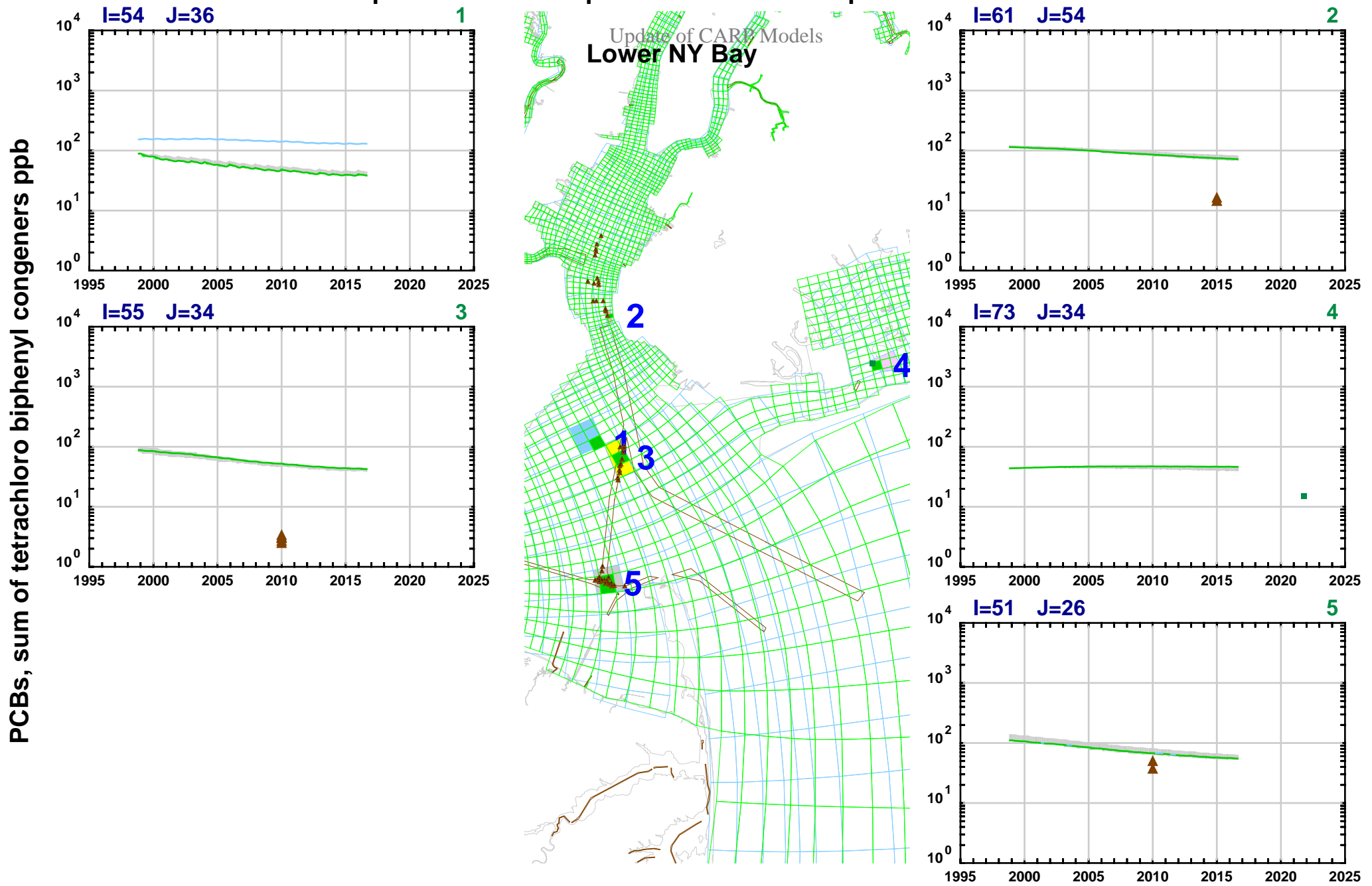


RUN18

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

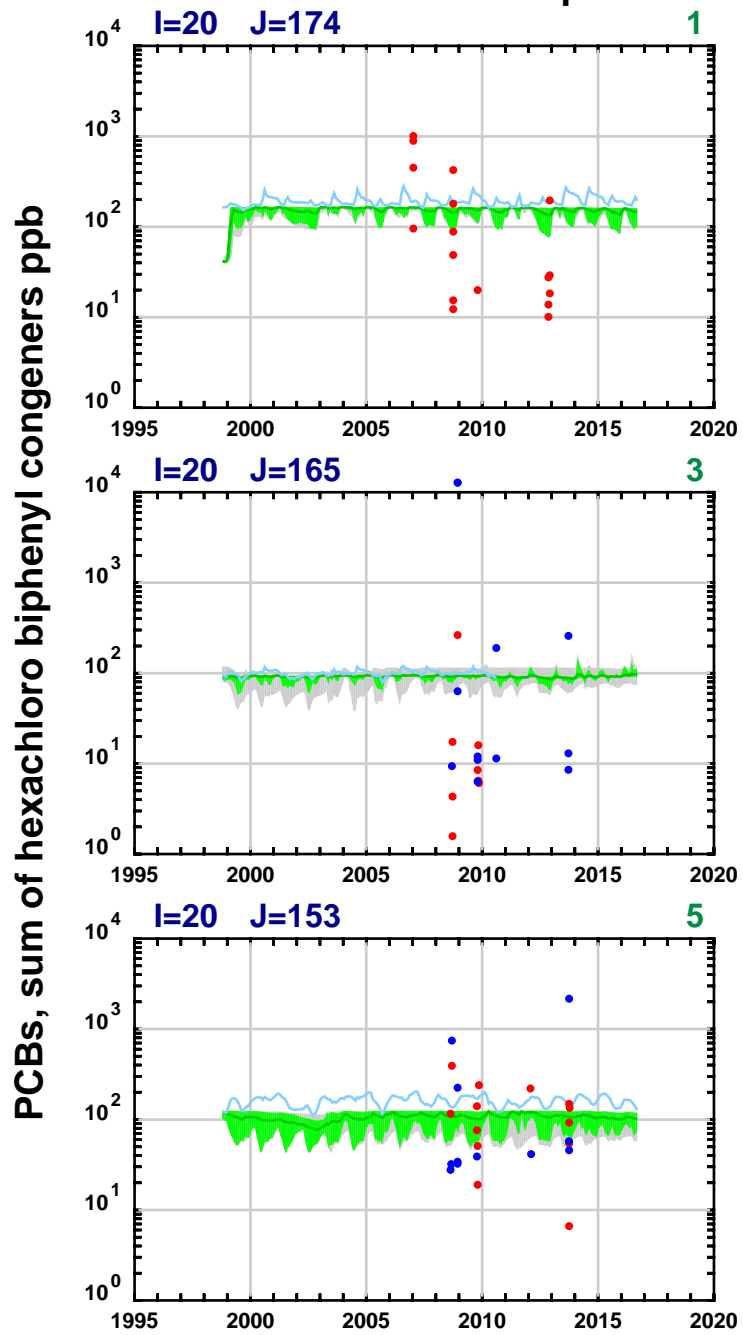


RUN18

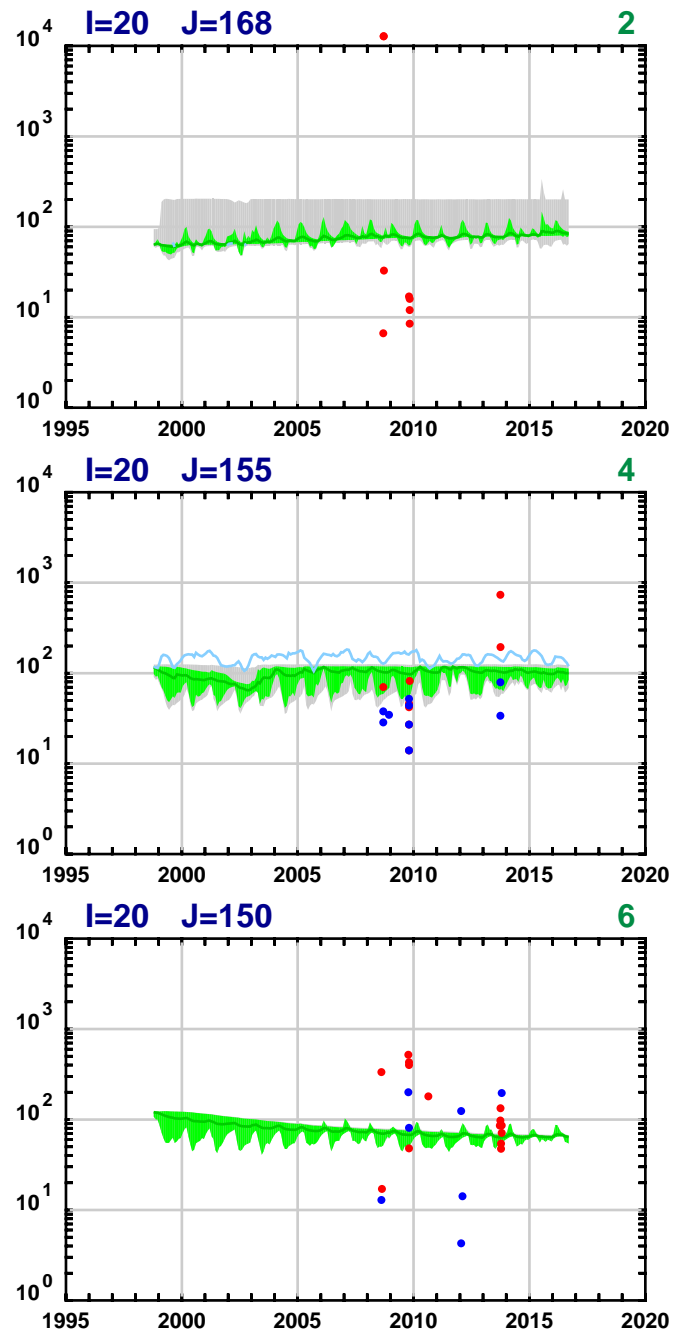
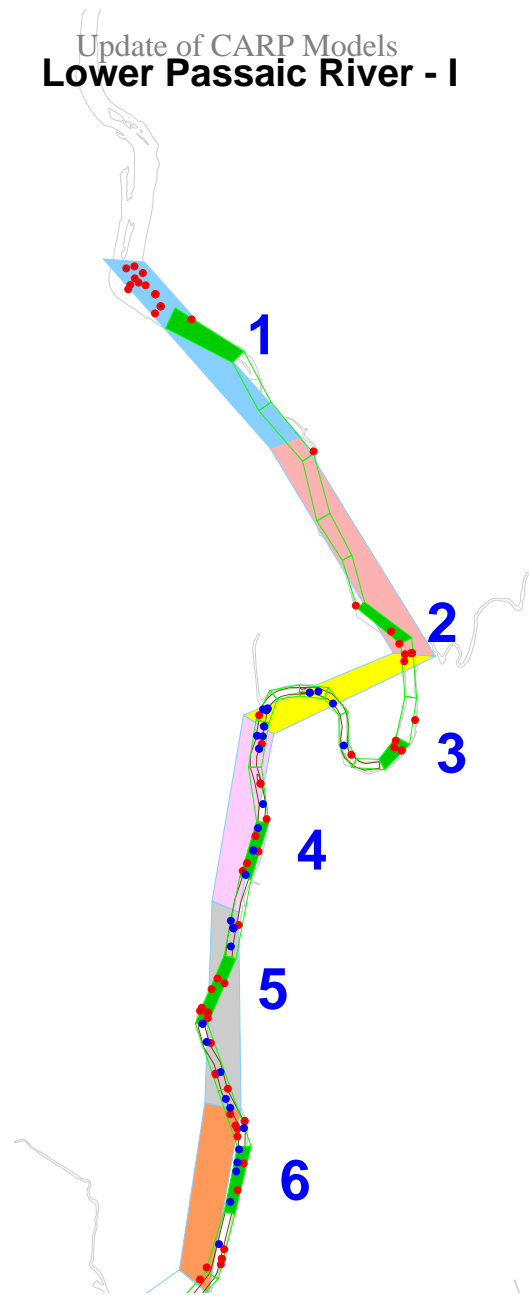
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● 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

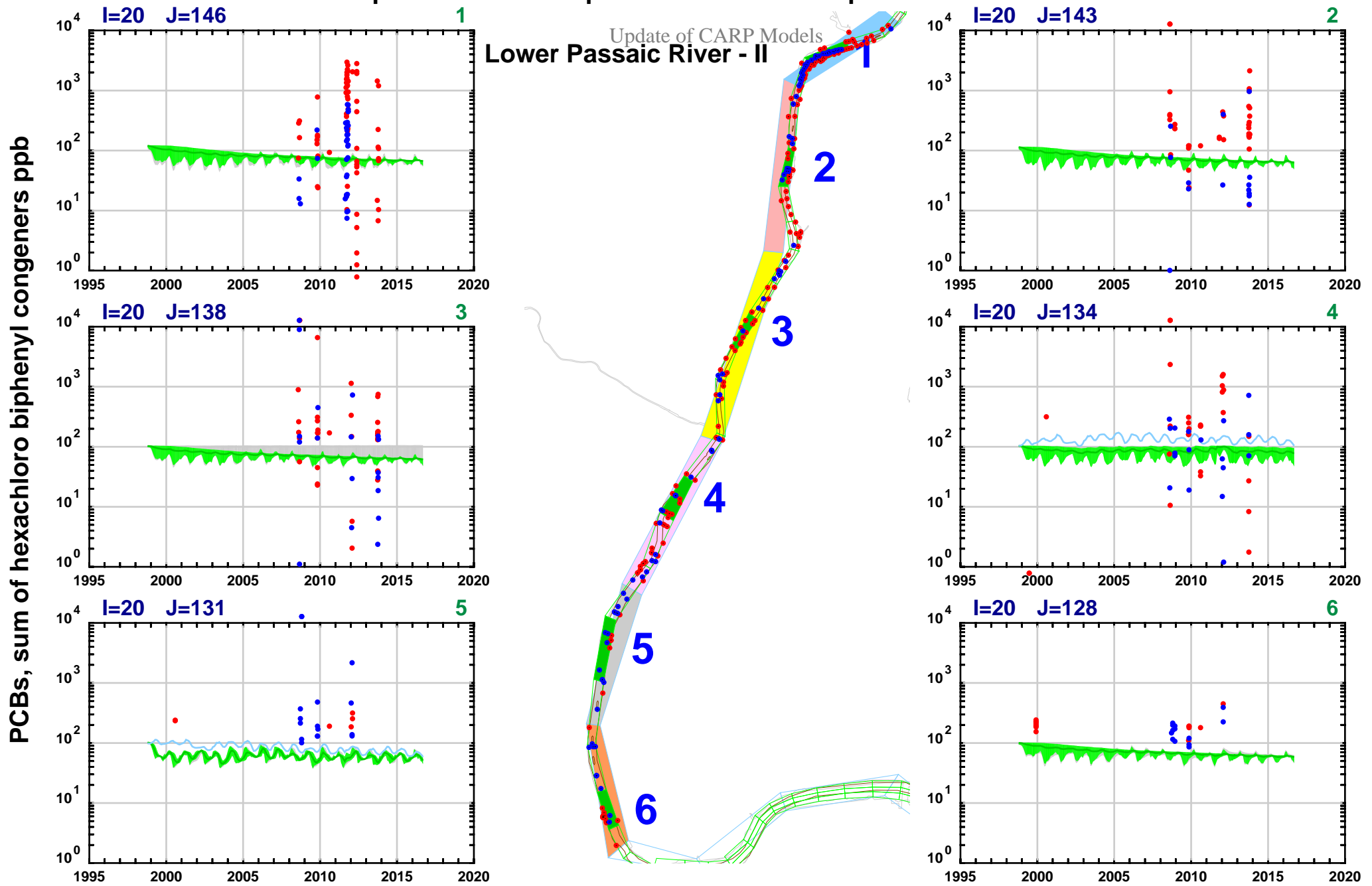


RUN18

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

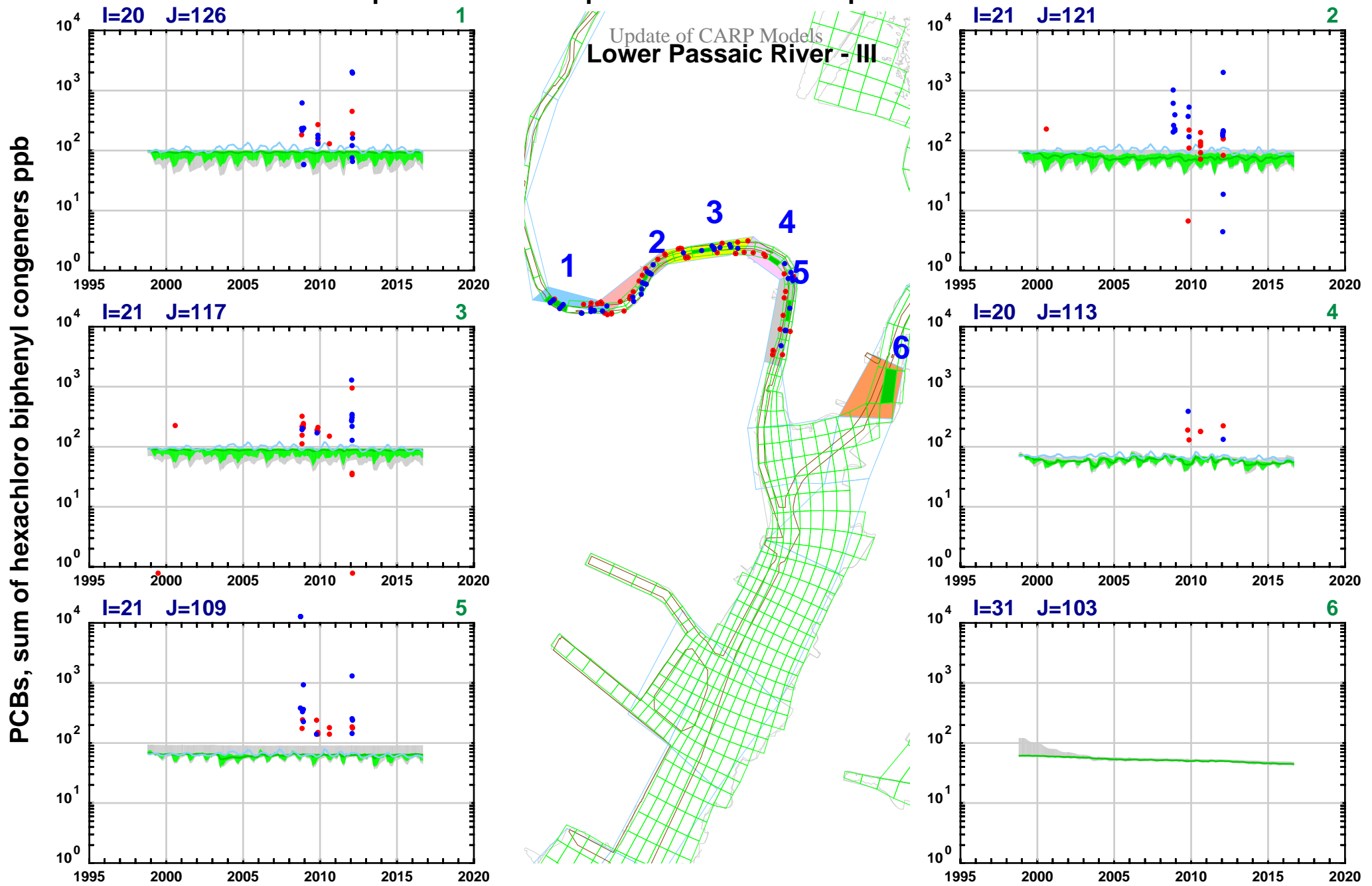


RUN18

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

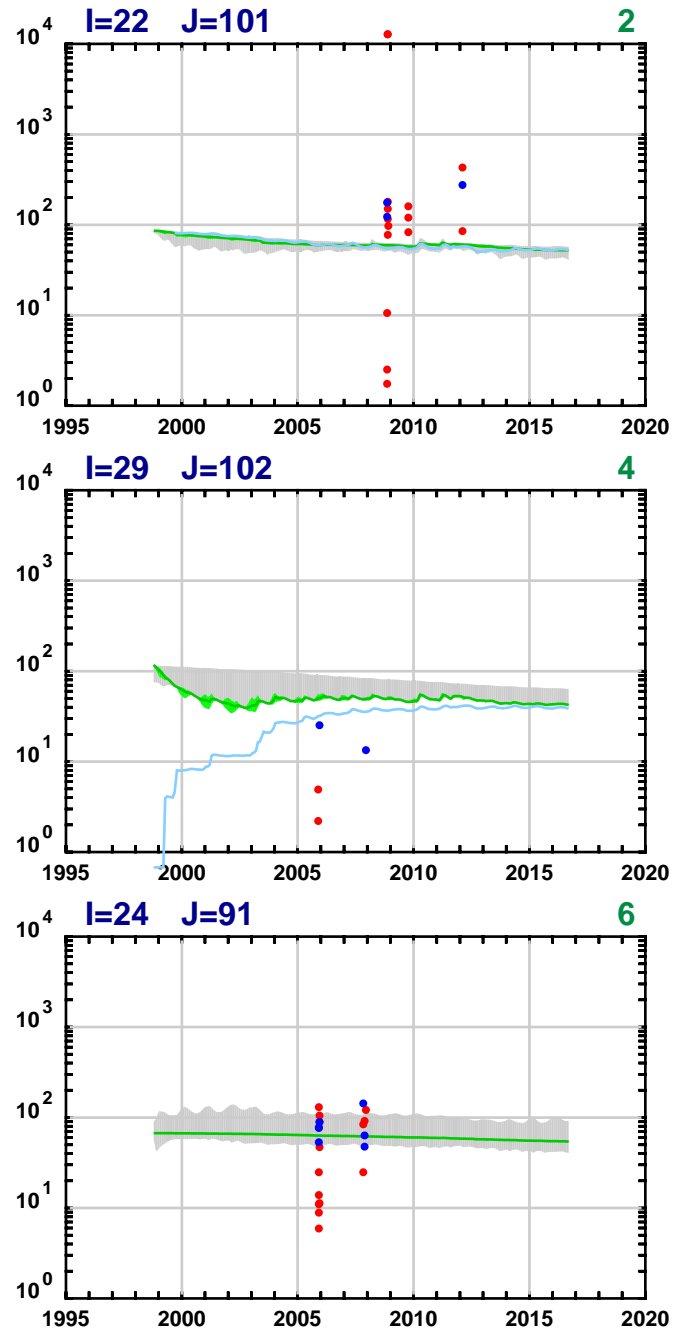
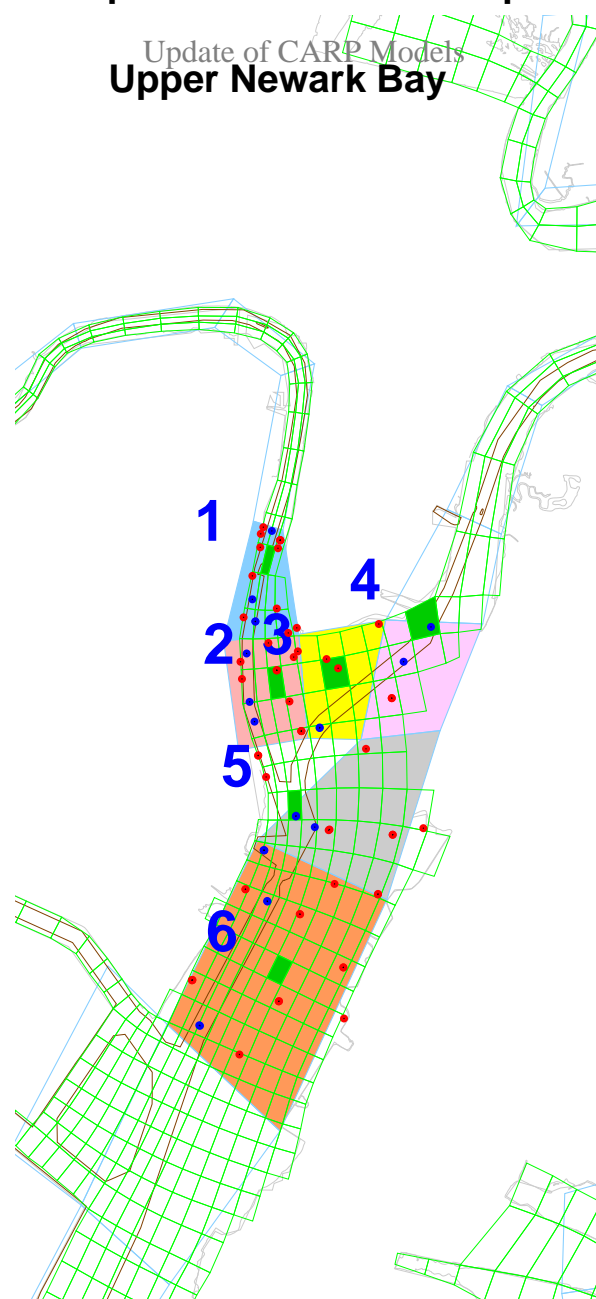
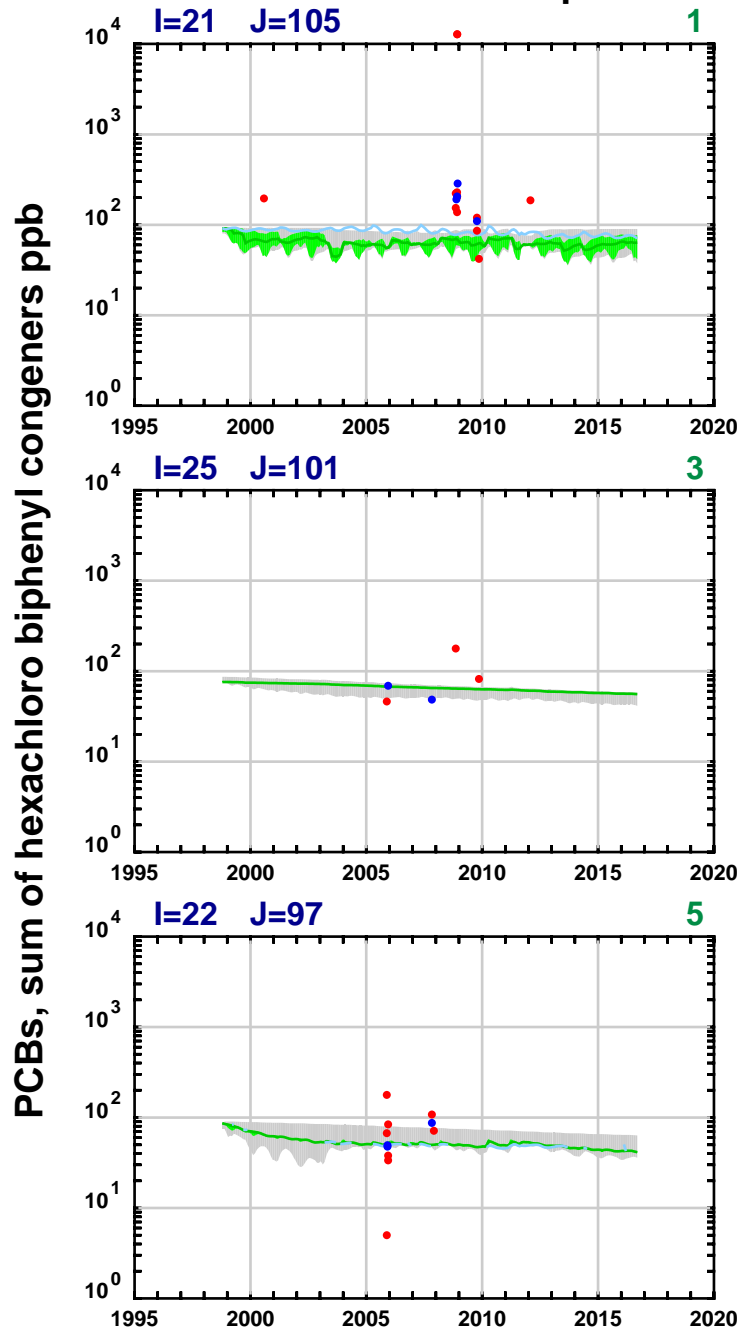


RUN18

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

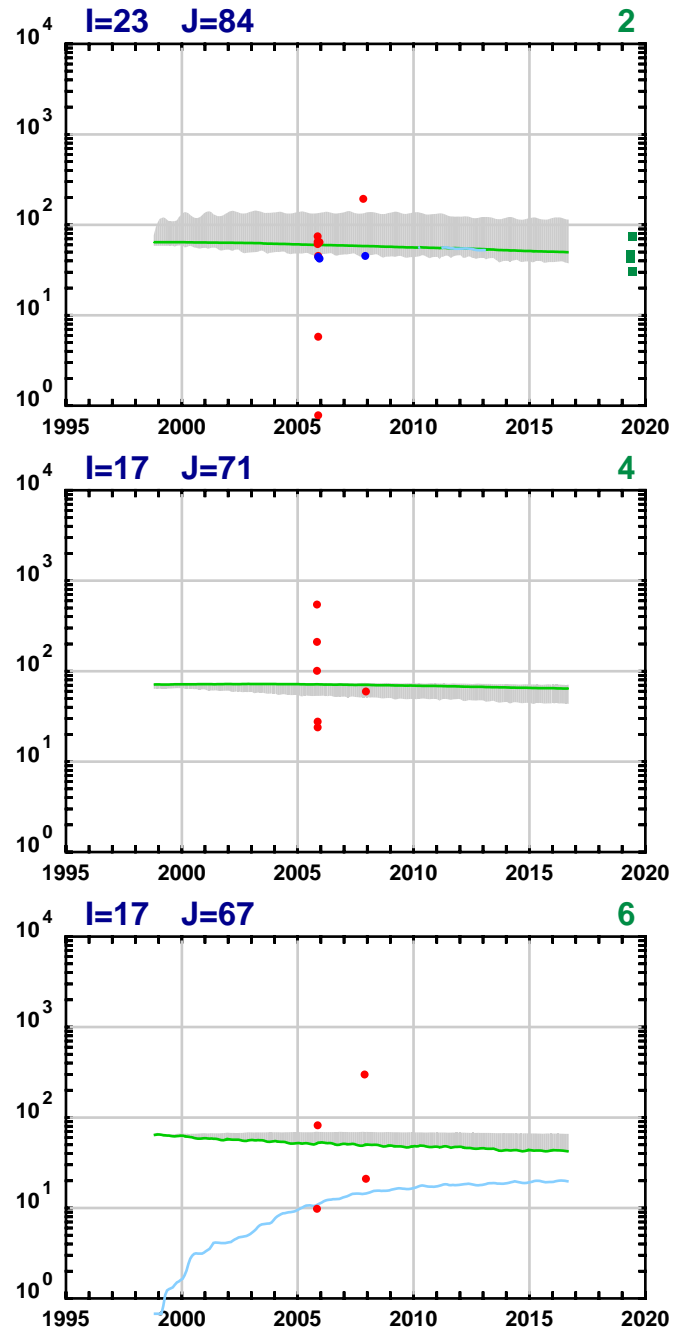
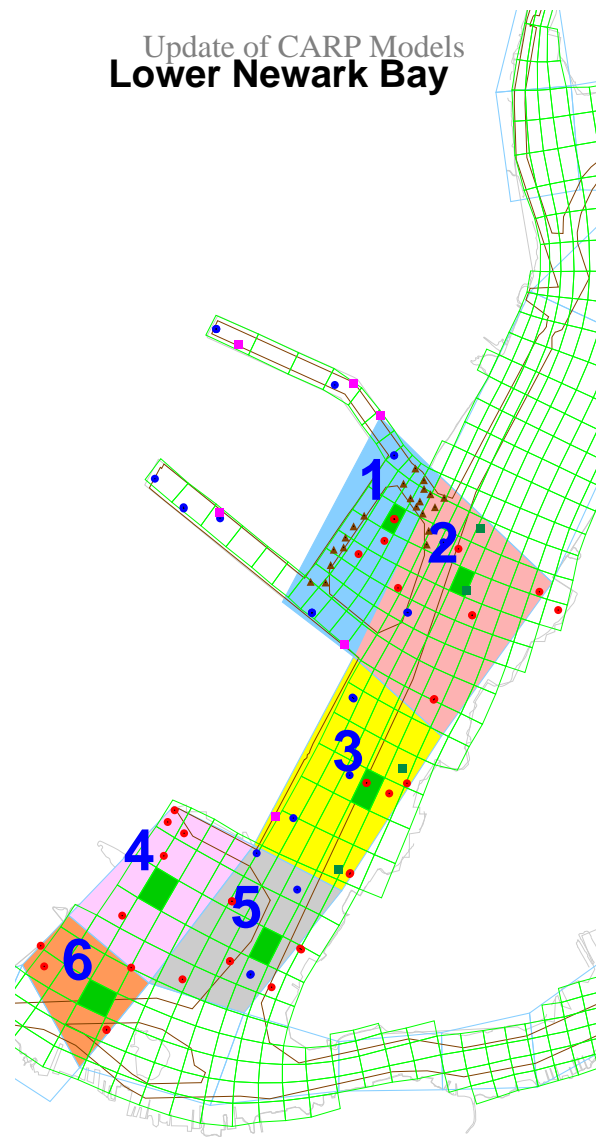
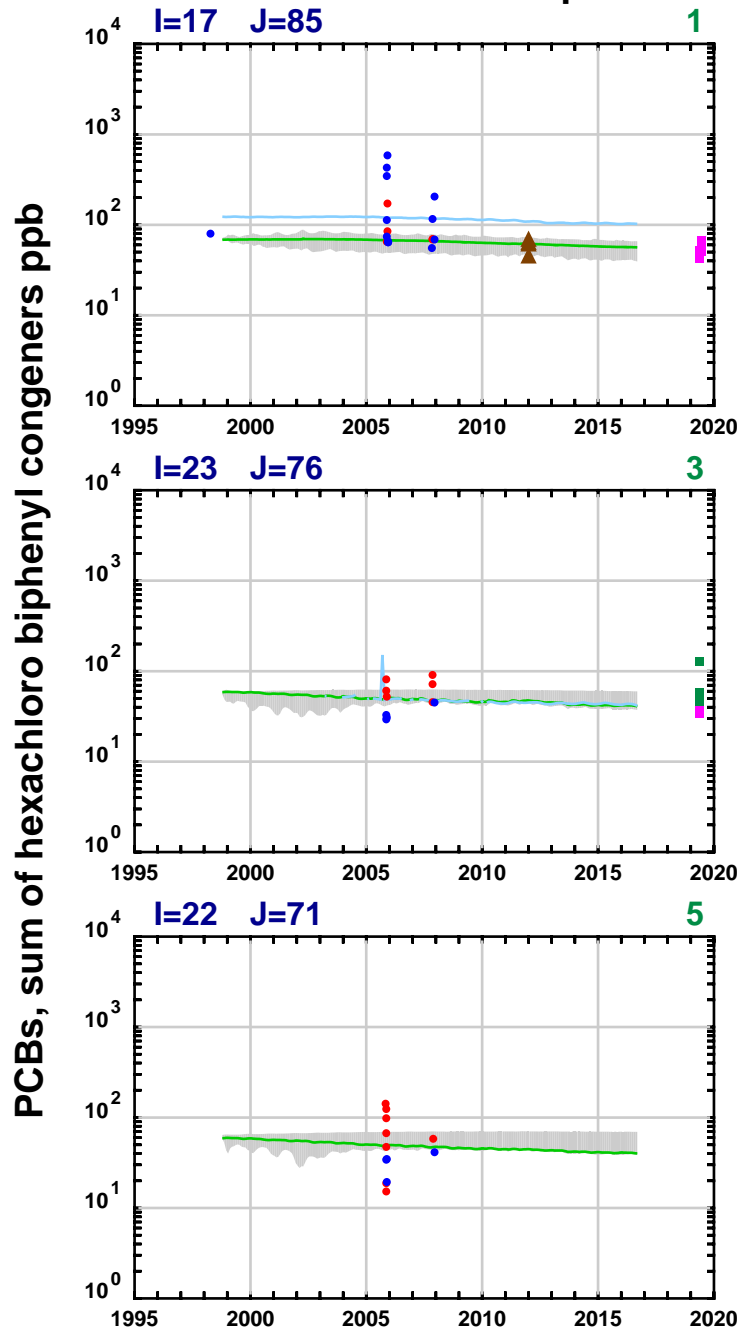


RUN18

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

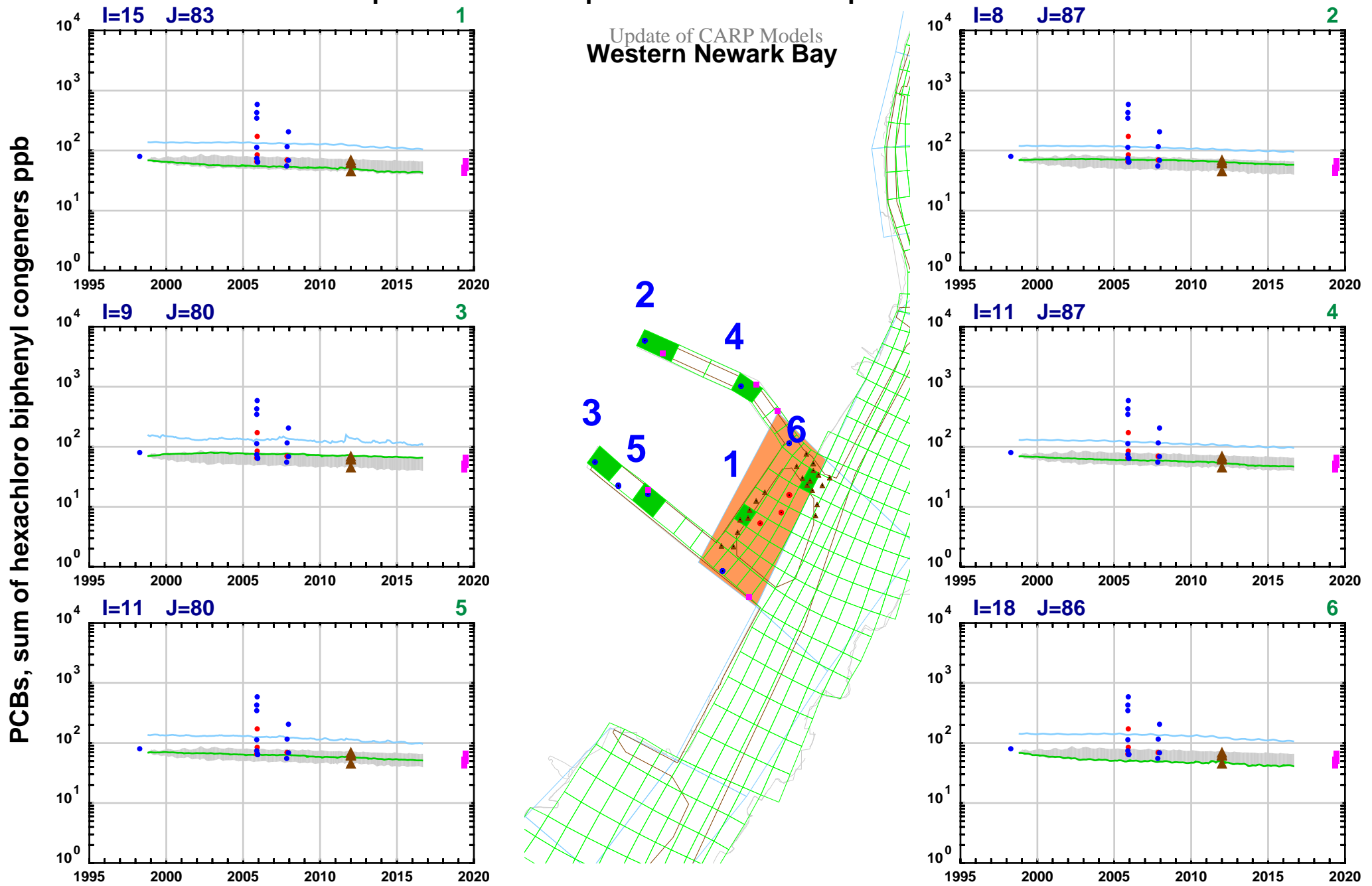


RUN18

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



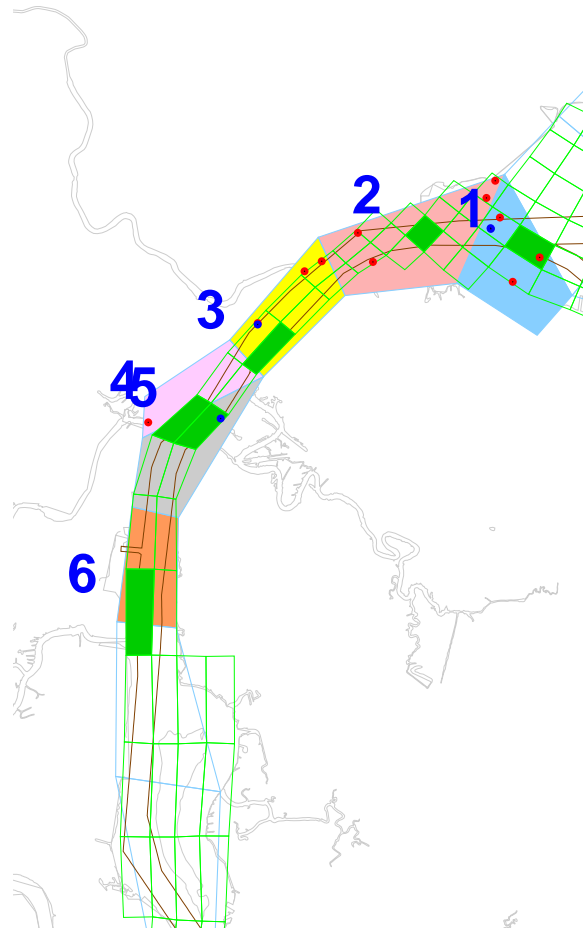
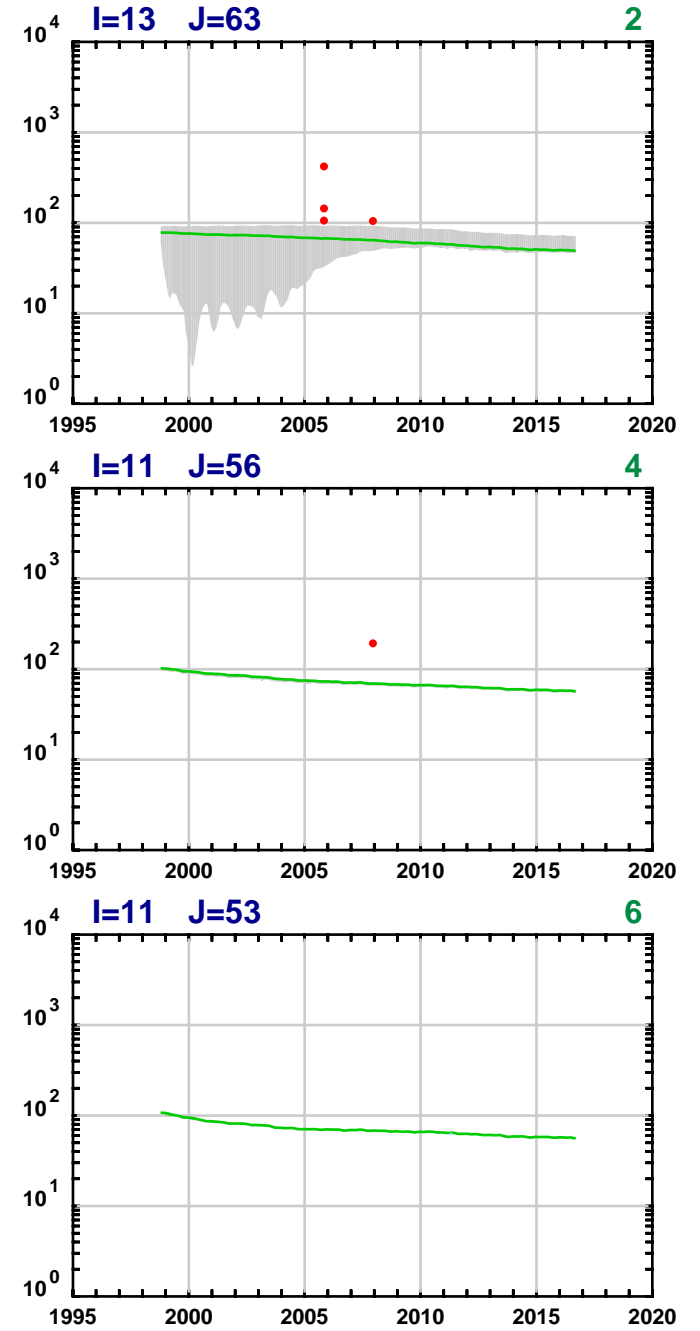
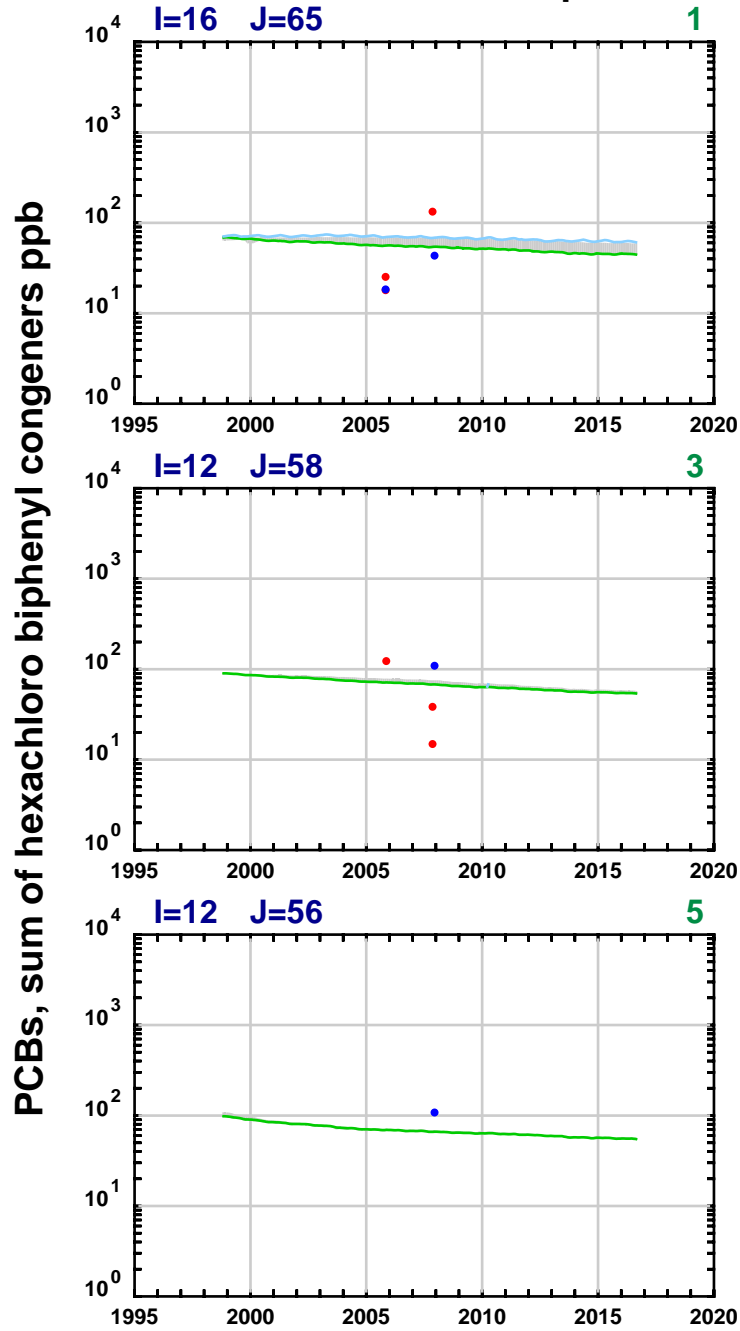
RUN18

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
Arthur Kill 1

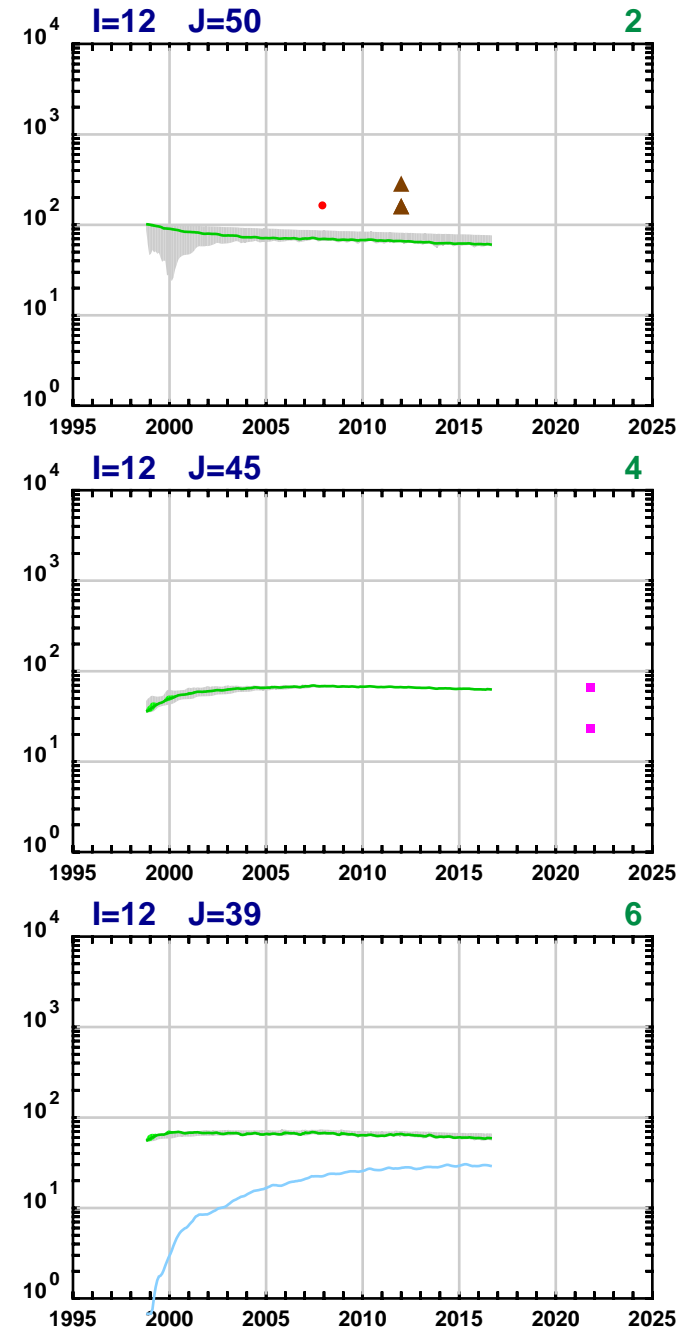
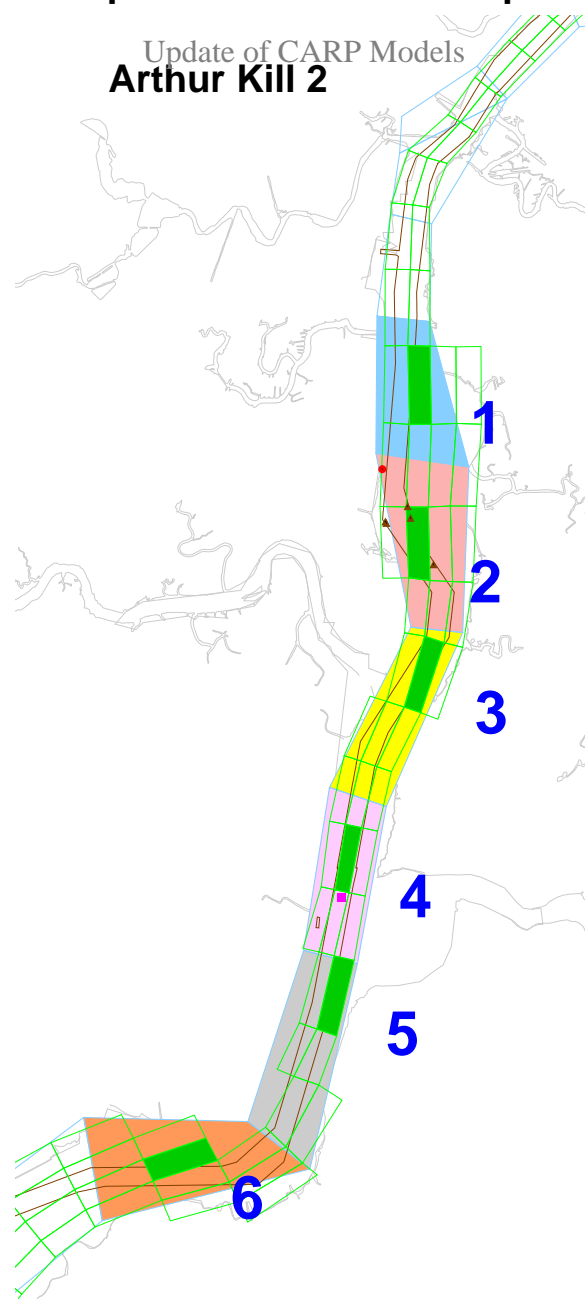
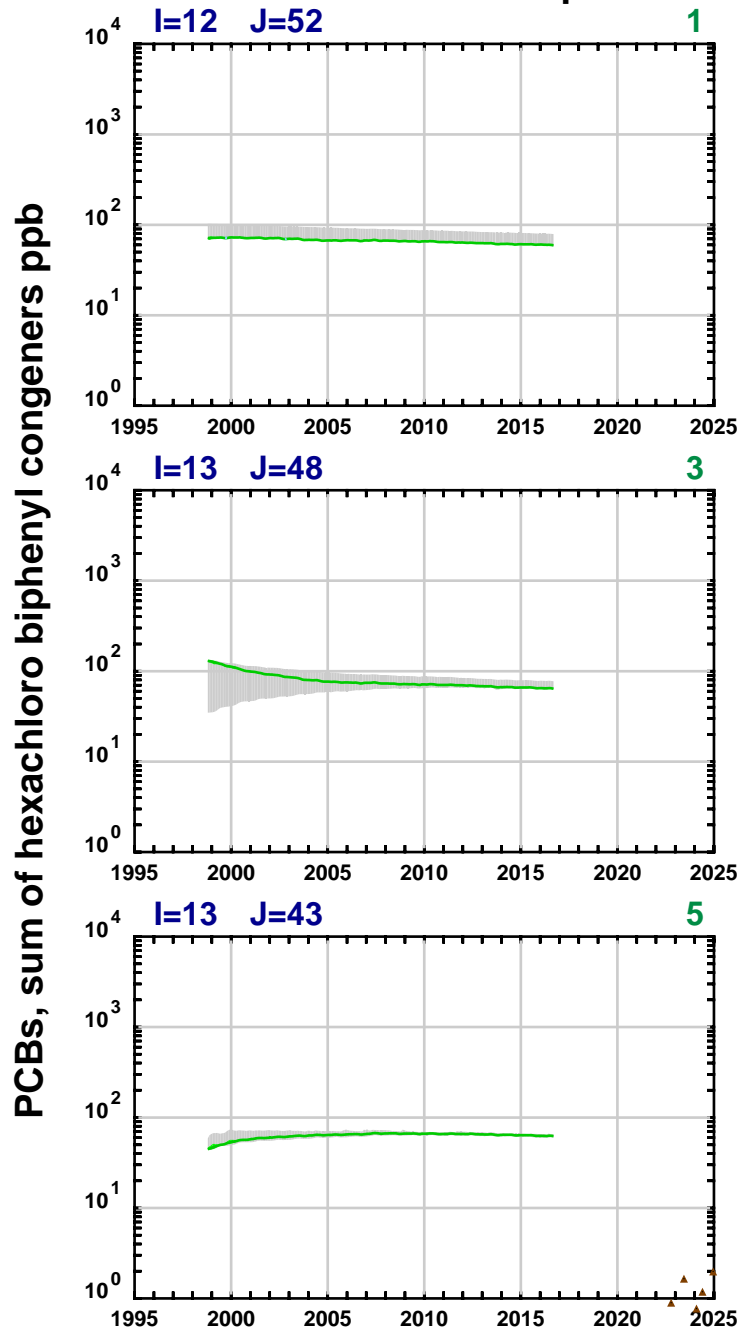


RUN18

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

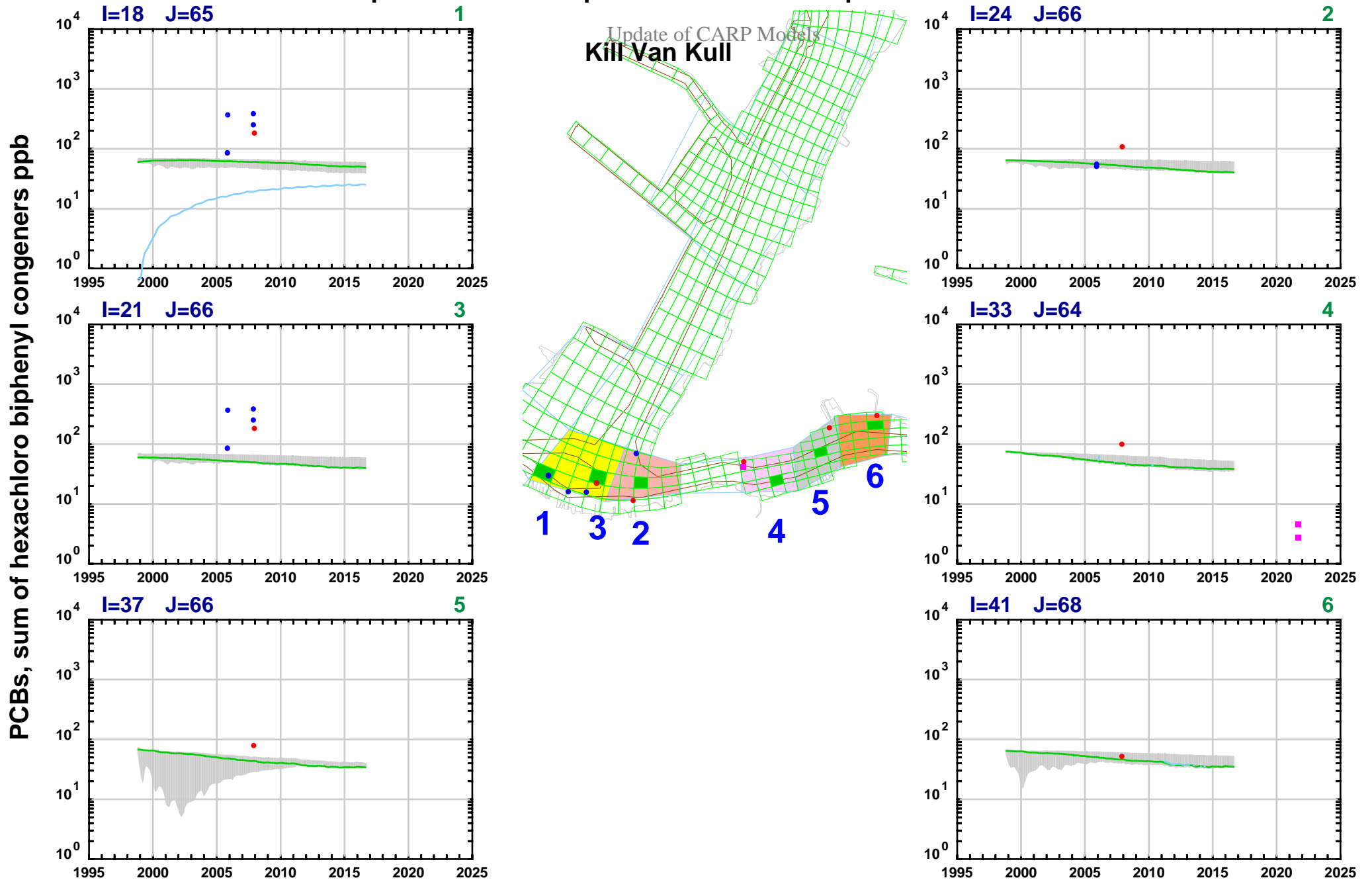


RUN18

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

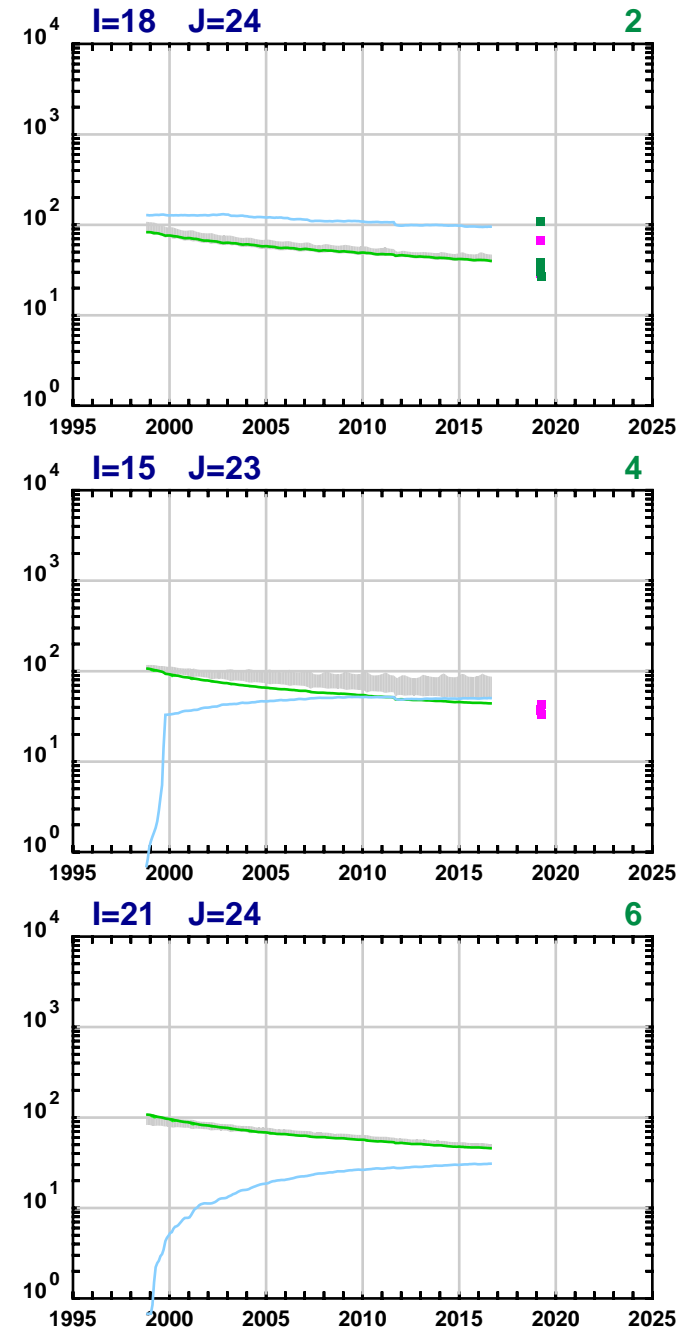
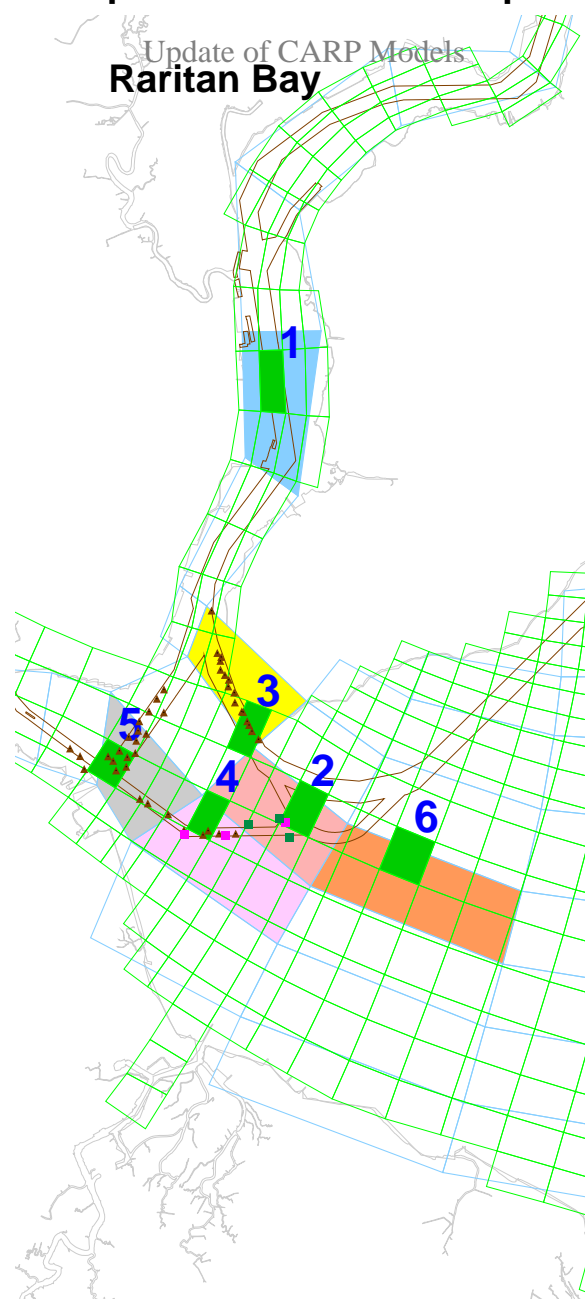
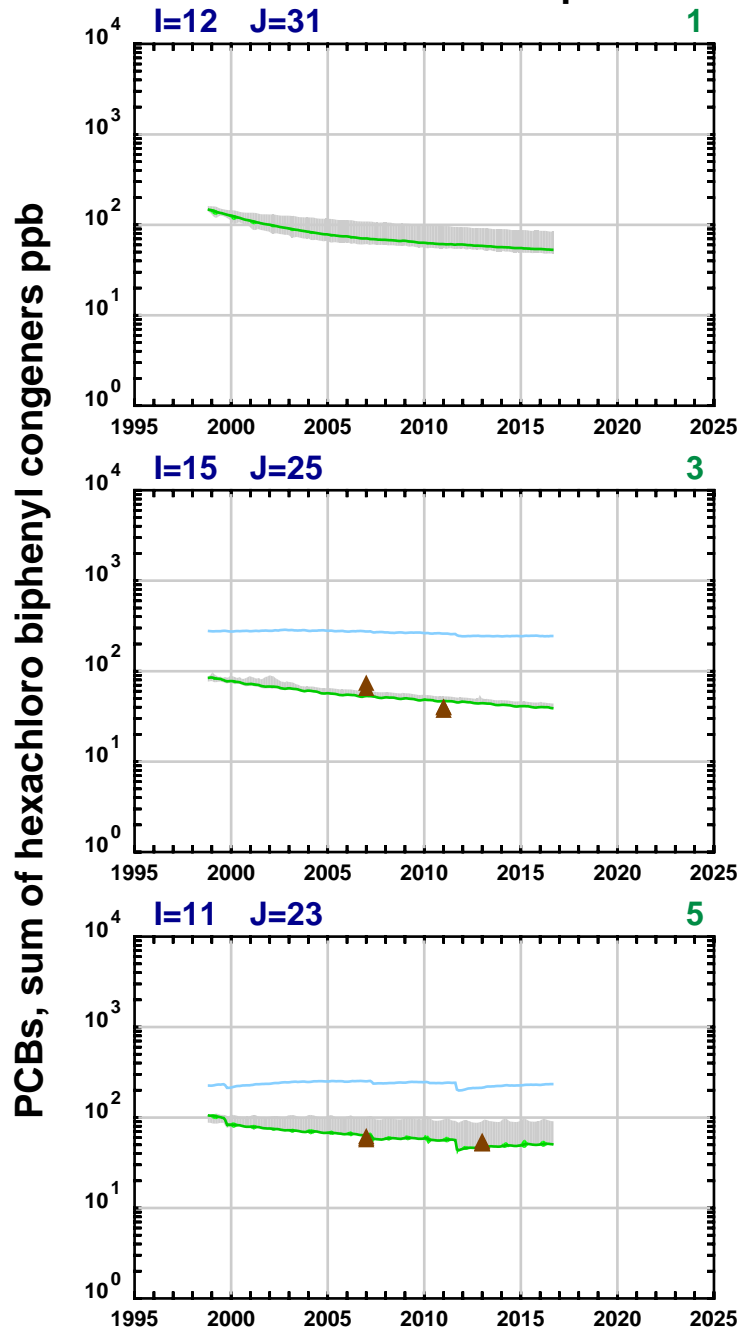


RUN18

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

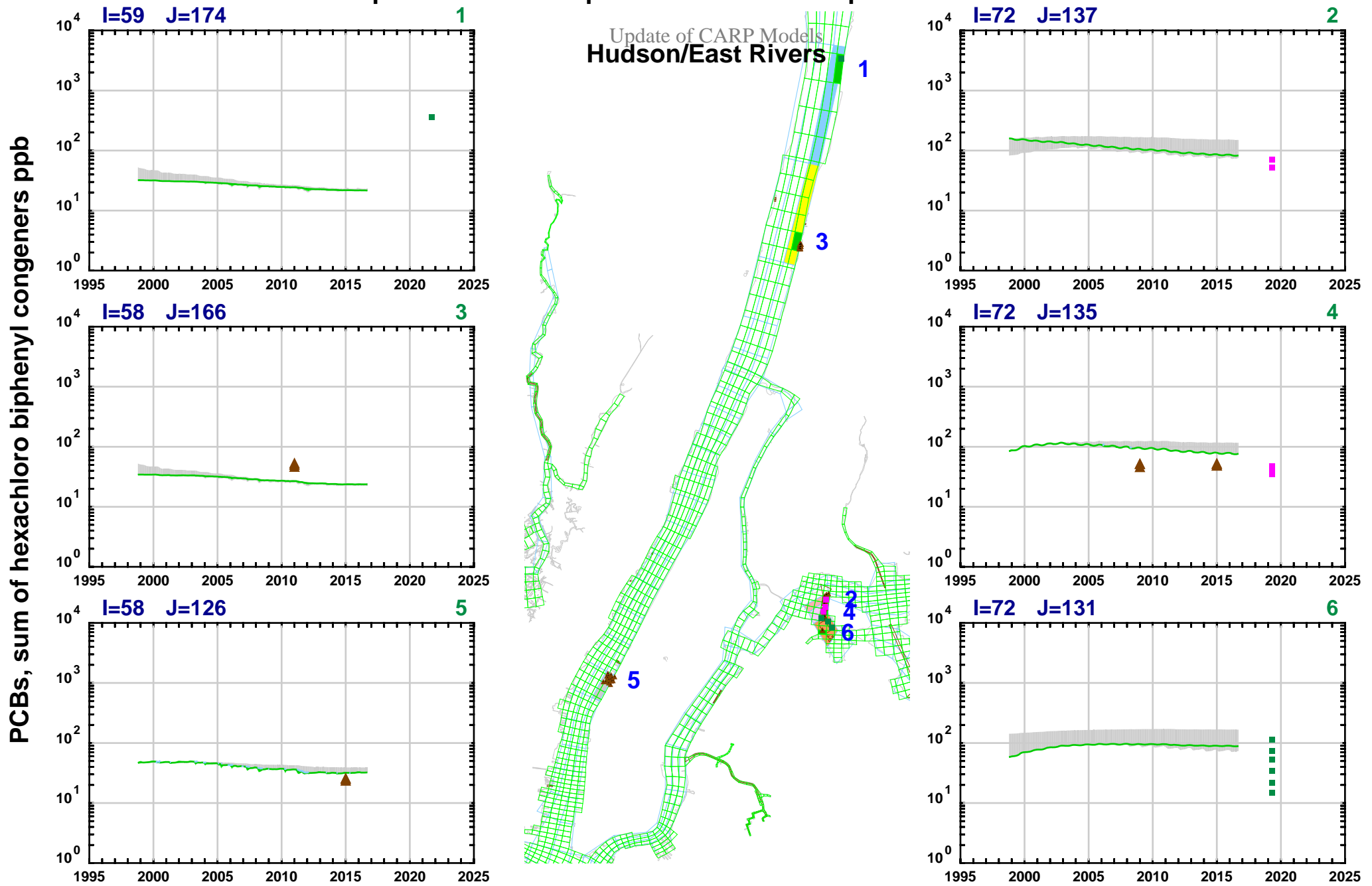


RUN18

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

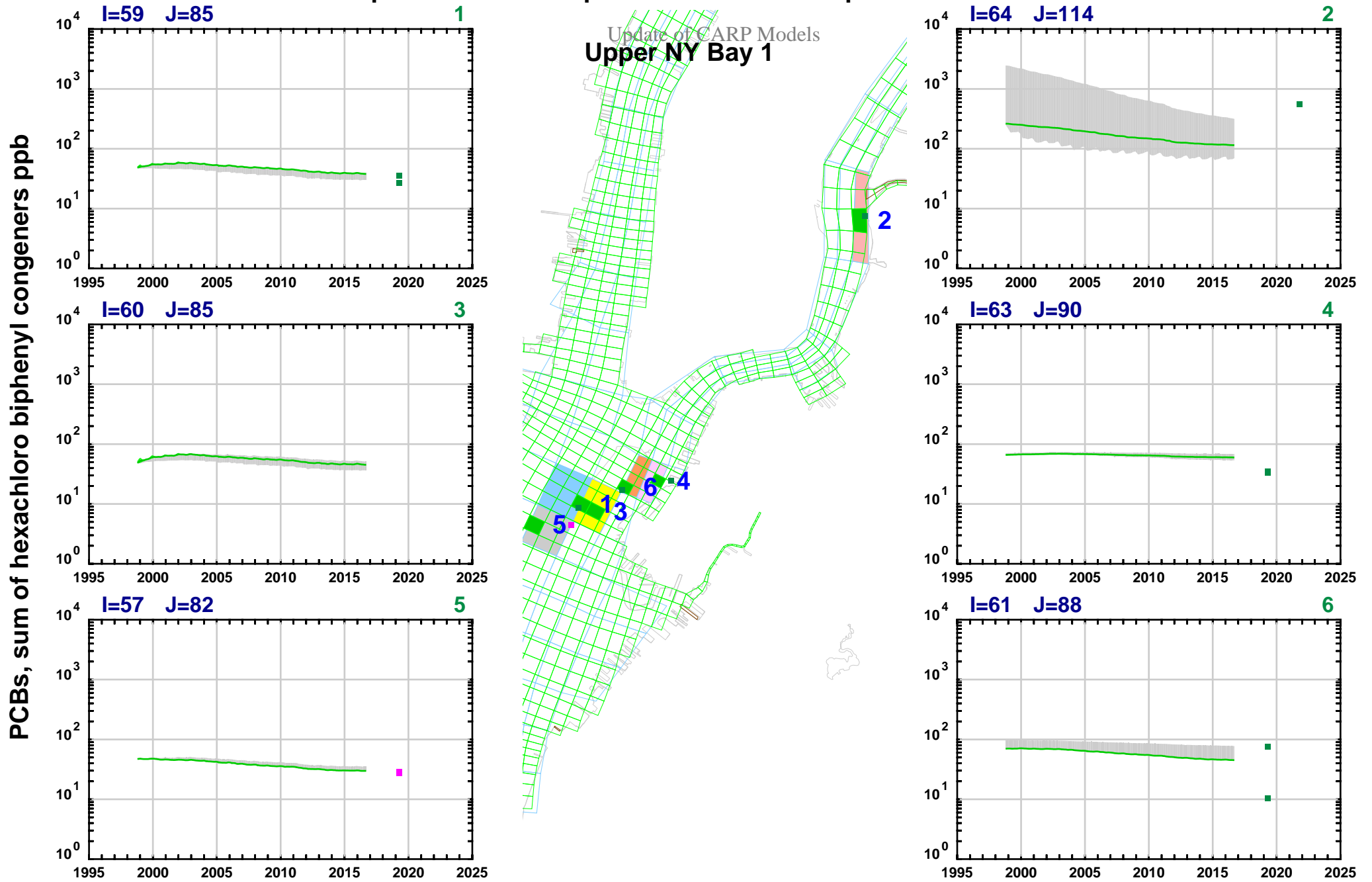


RUN18

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

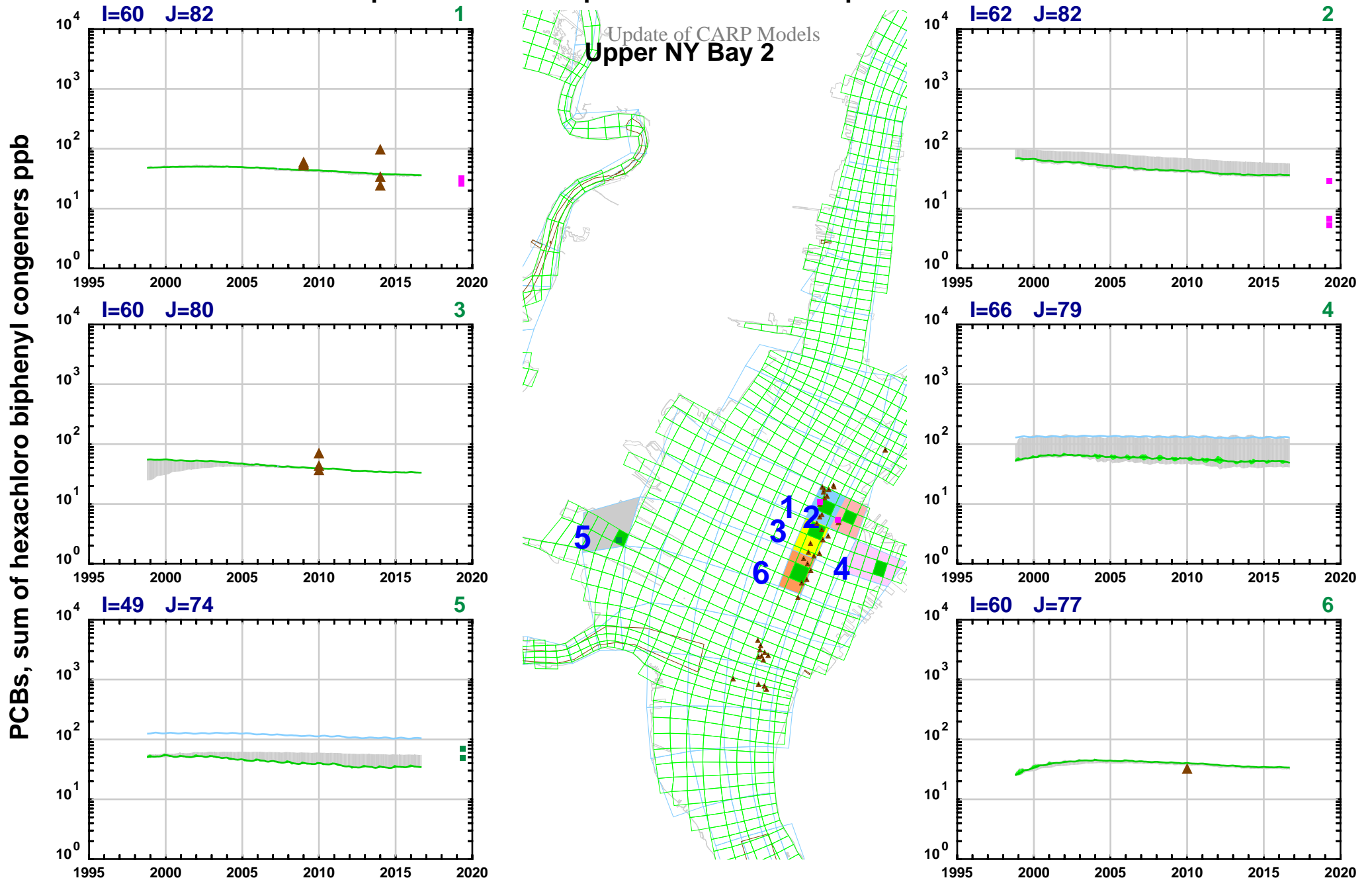


RUN18

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

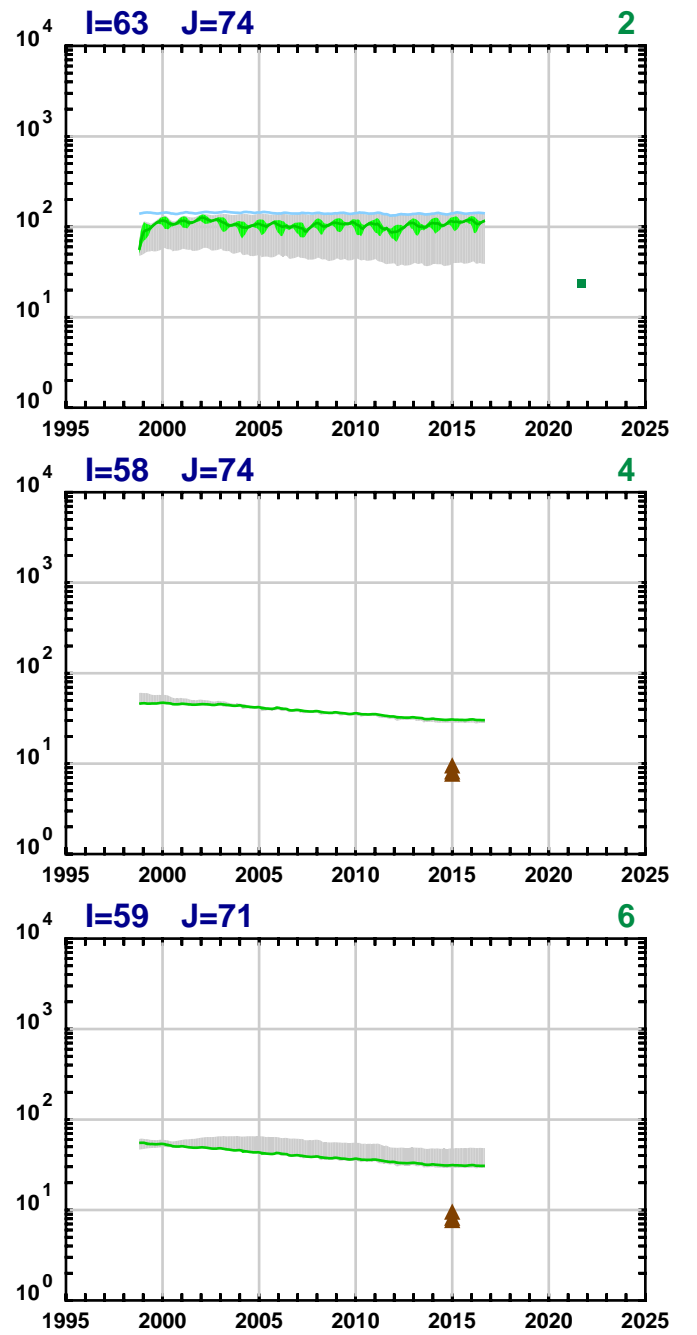
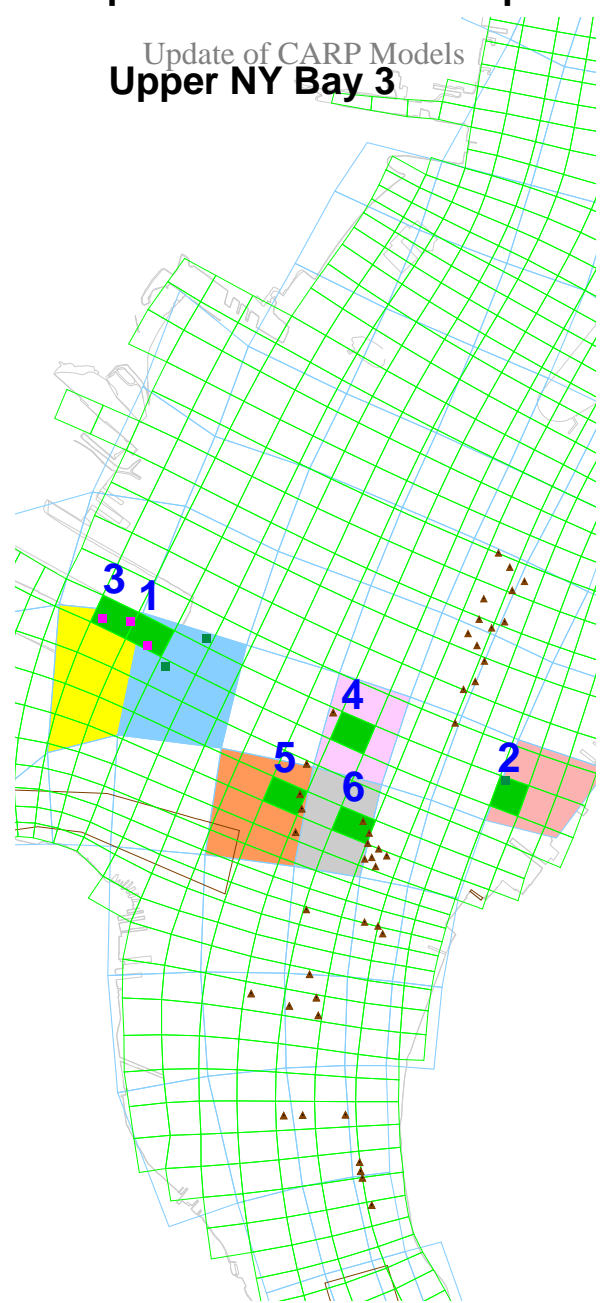
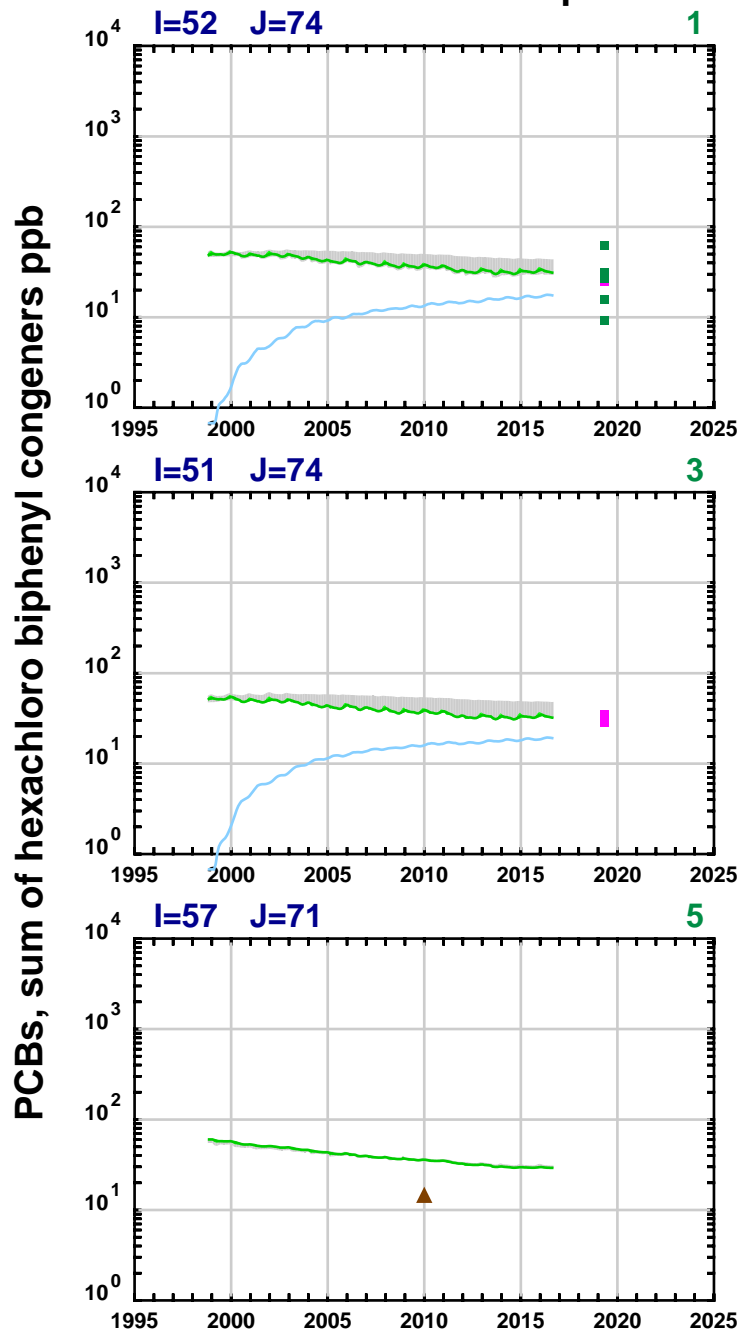


RUN18

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

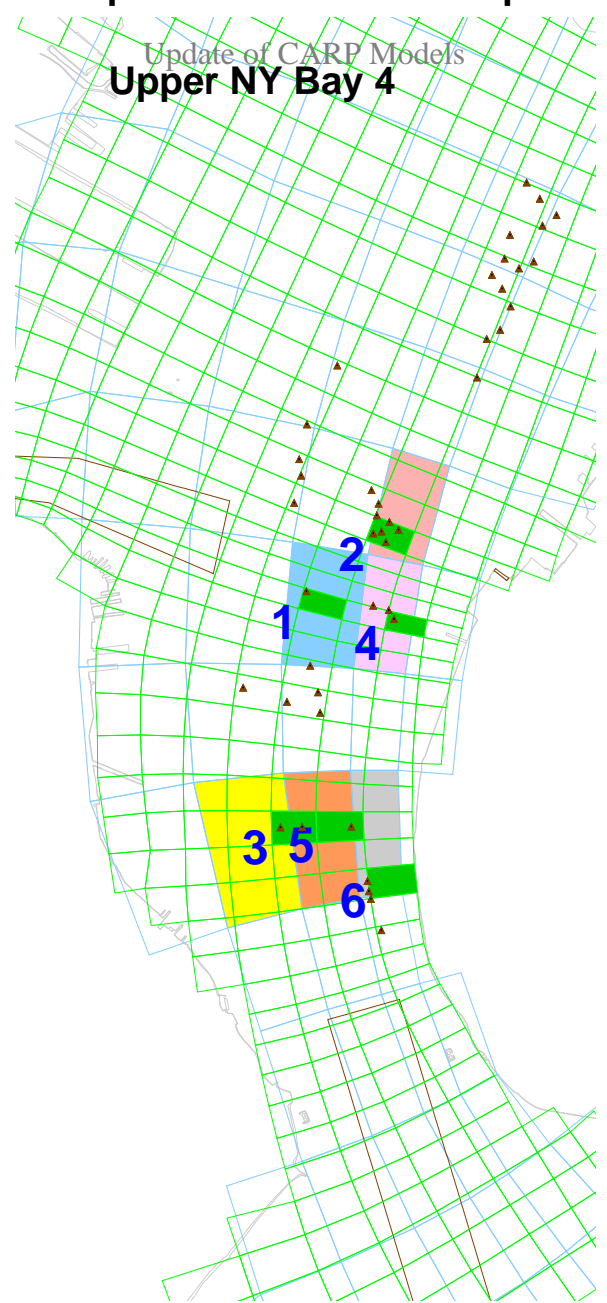
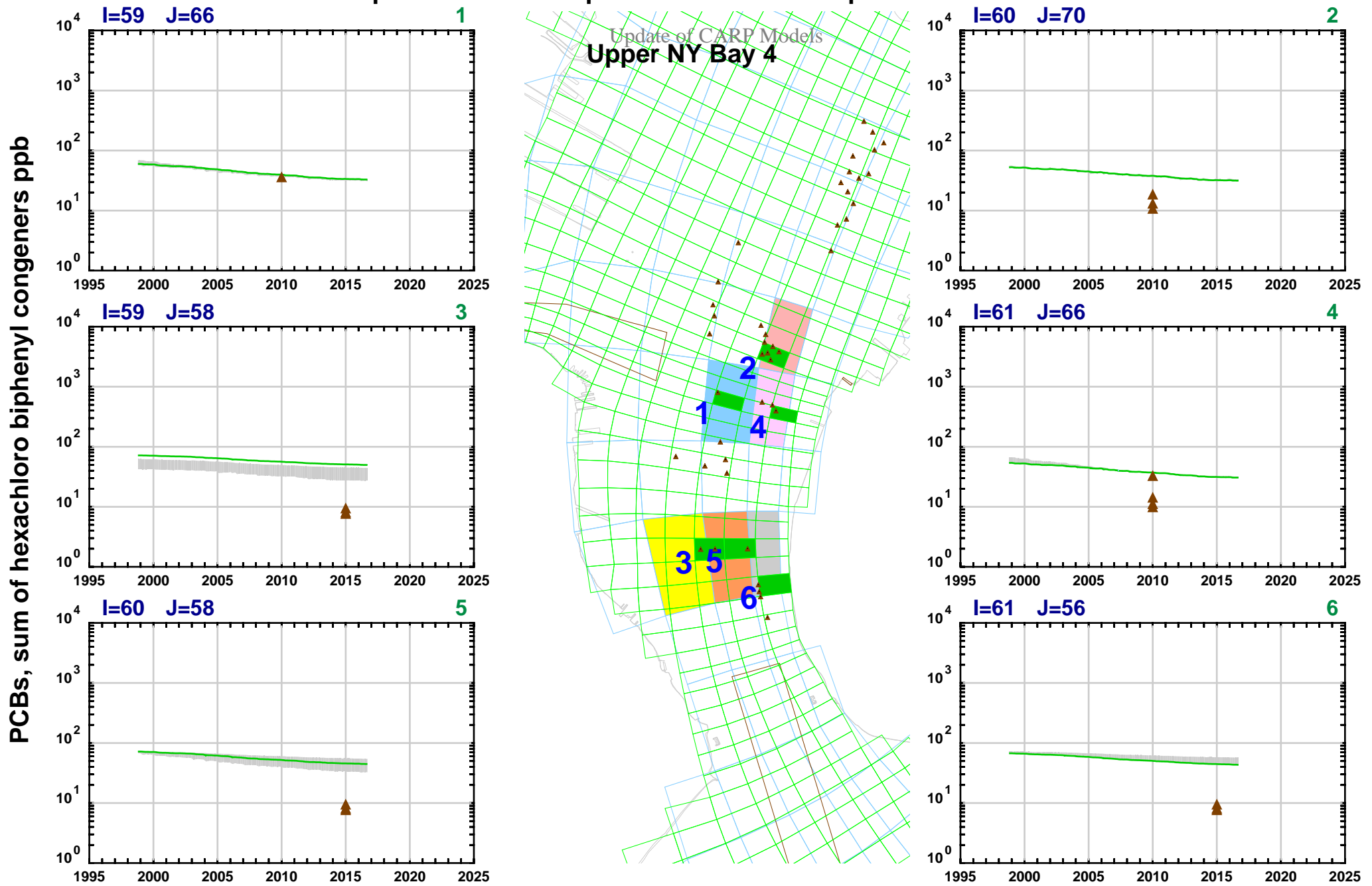


RUN18

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

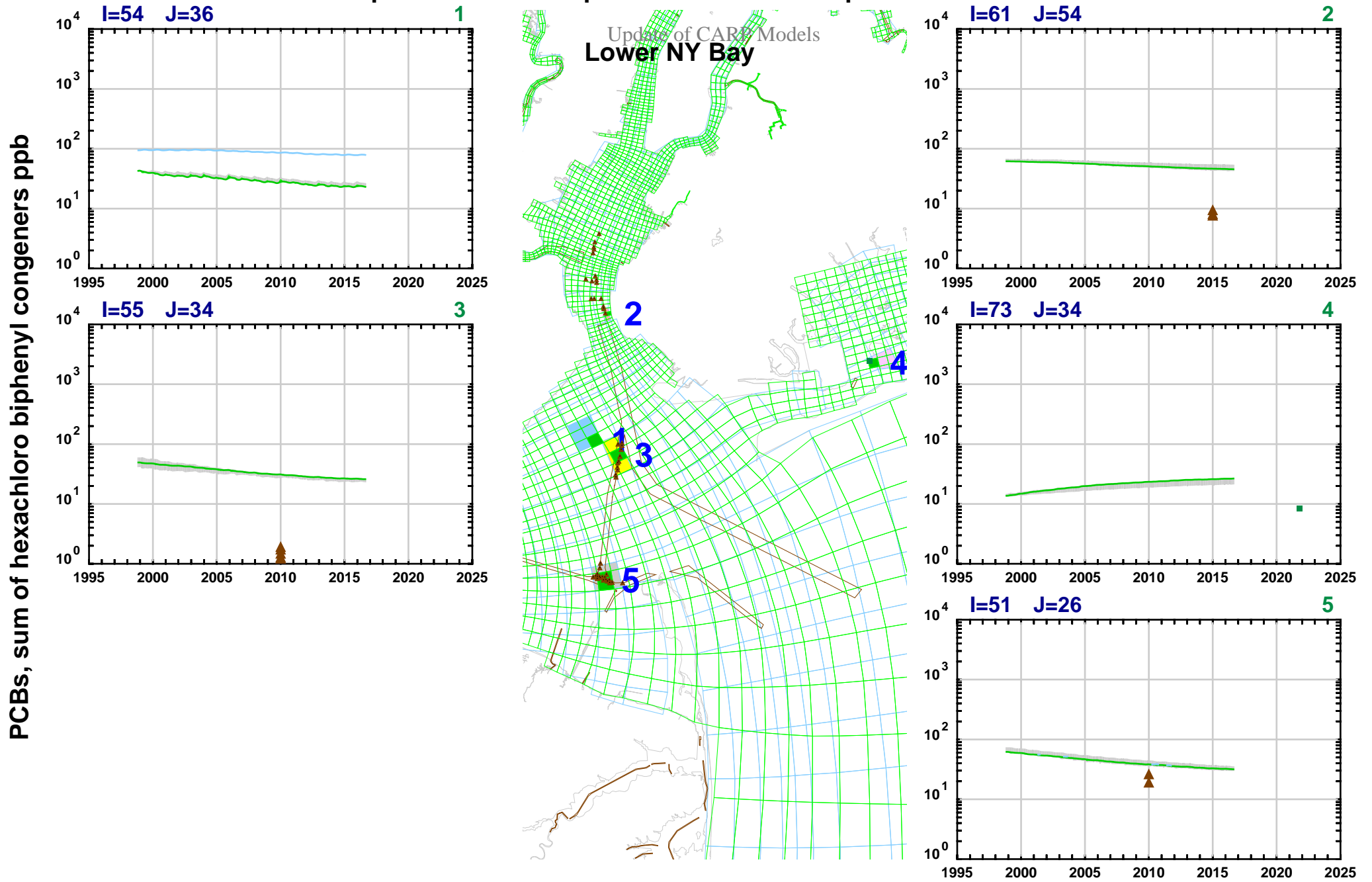


RUN18

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

● 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

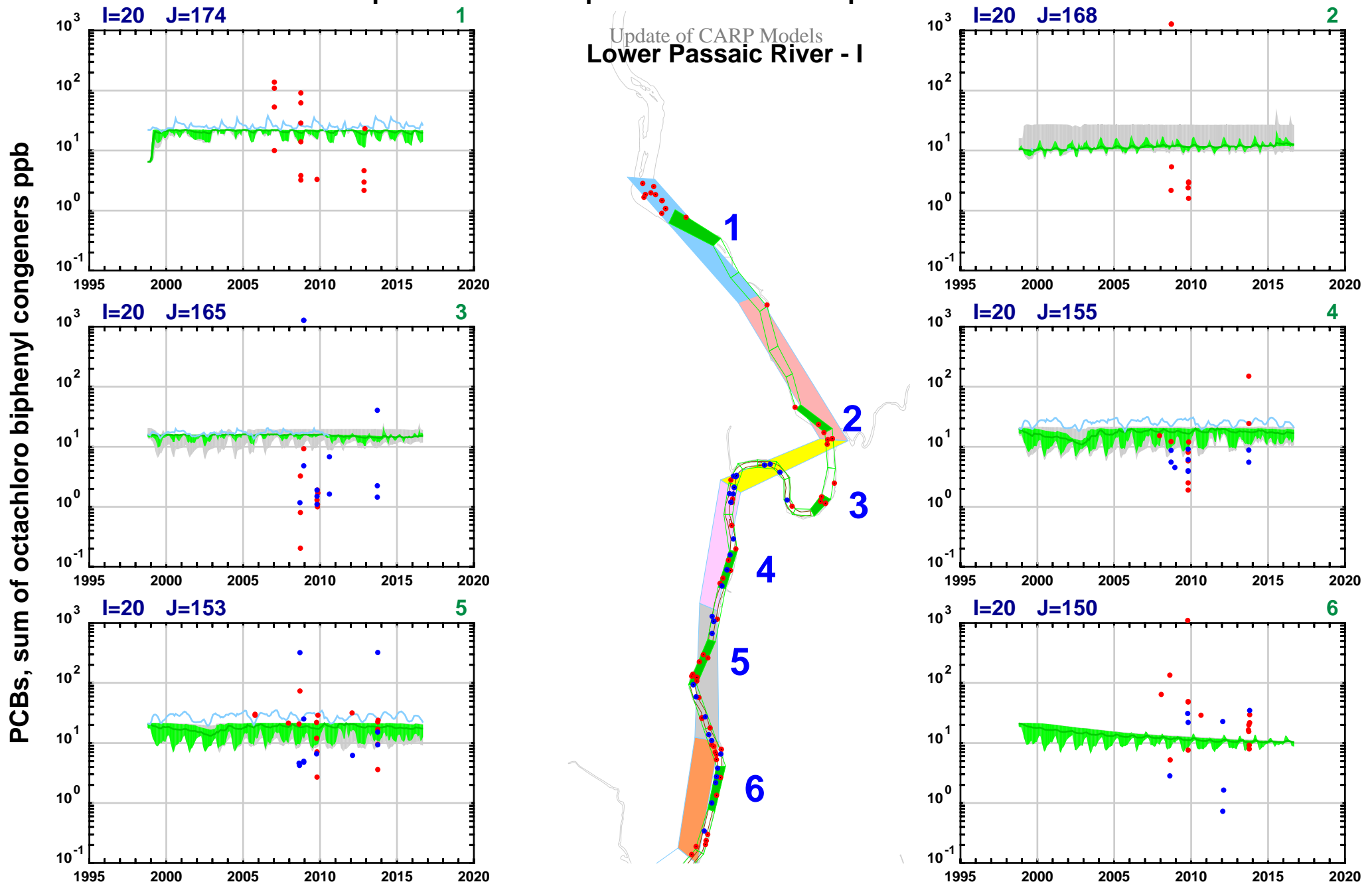


RUN18

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

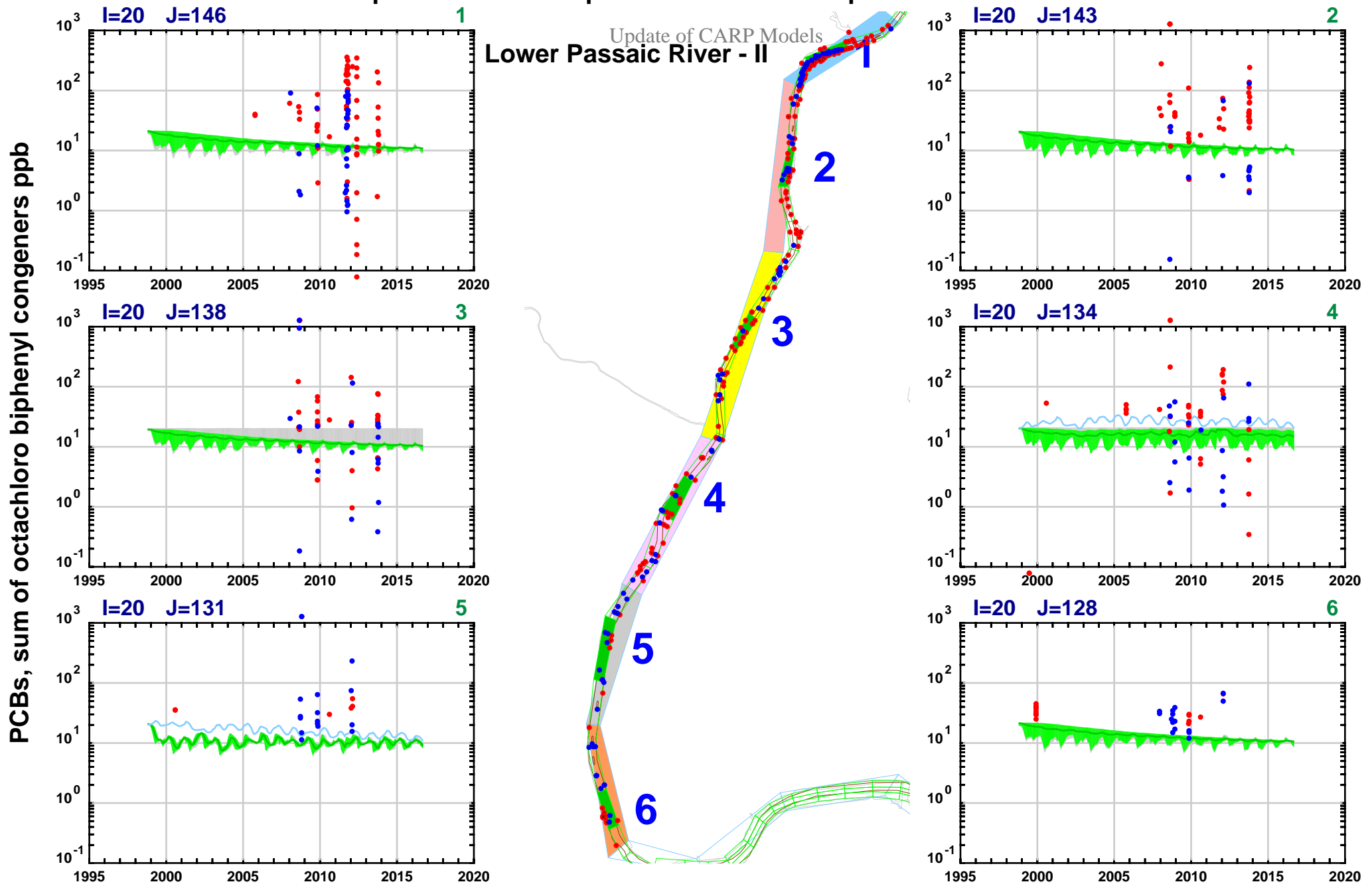


RUN18

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

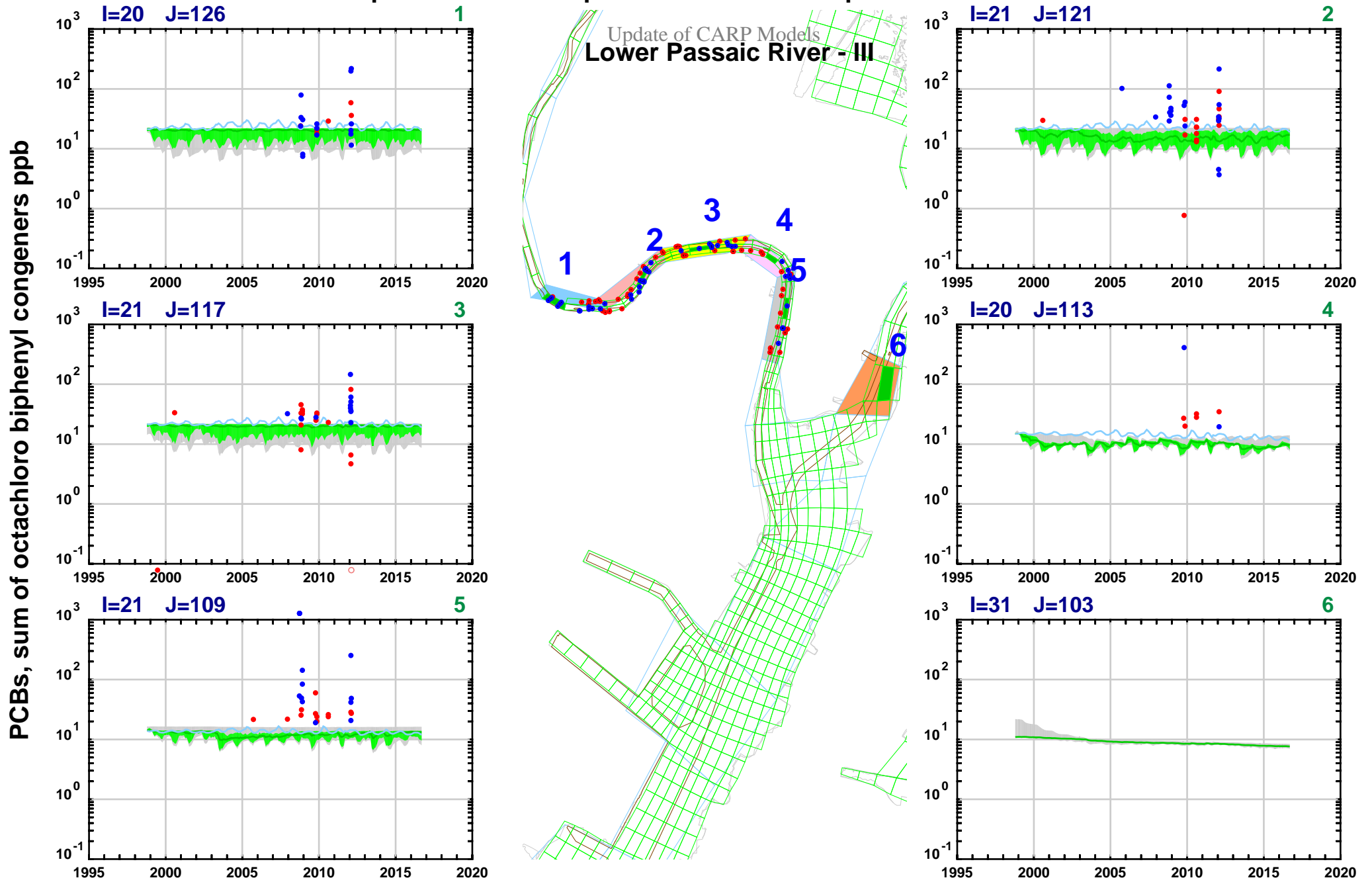


RUN18

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

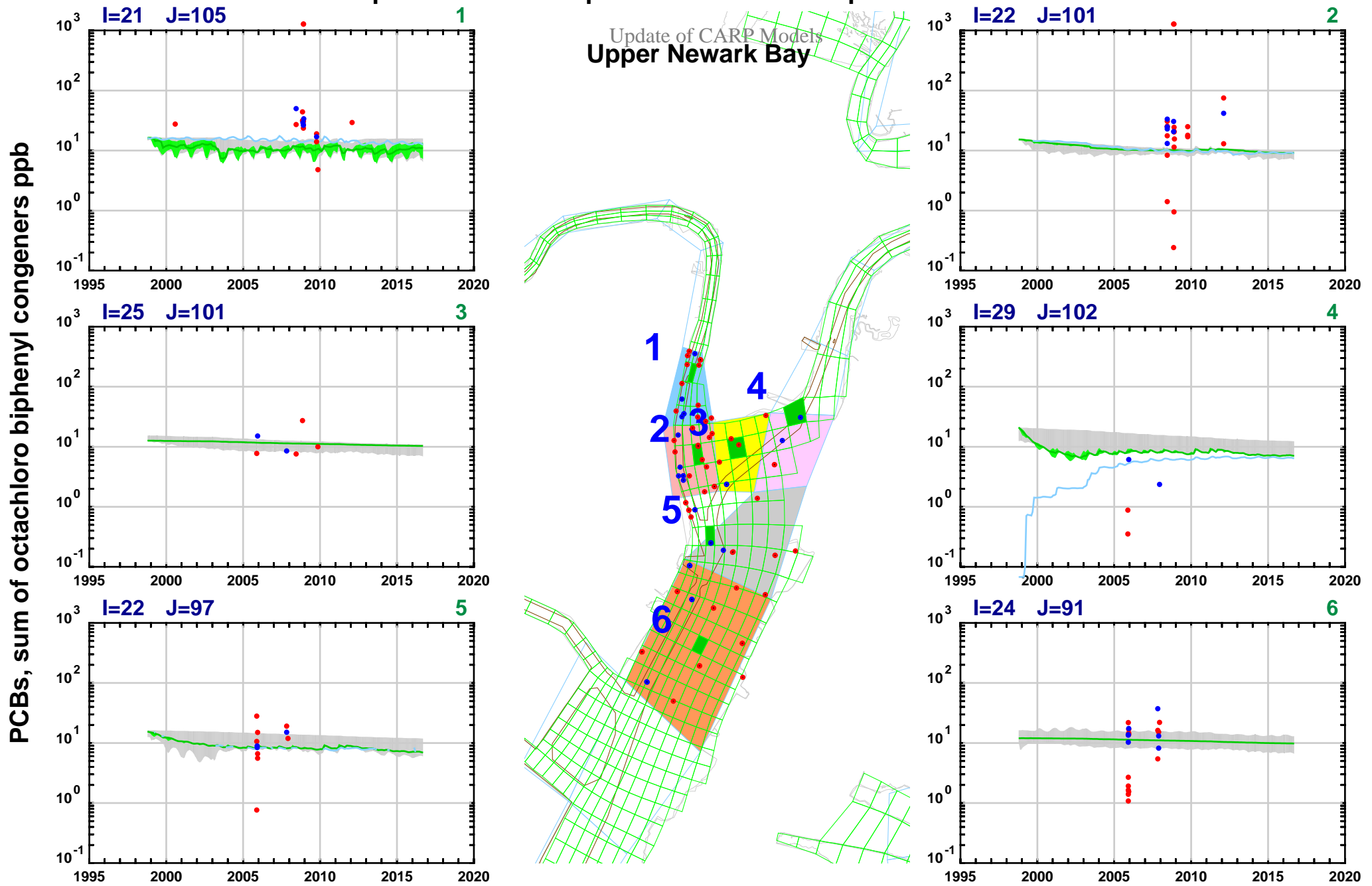


RUN18

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



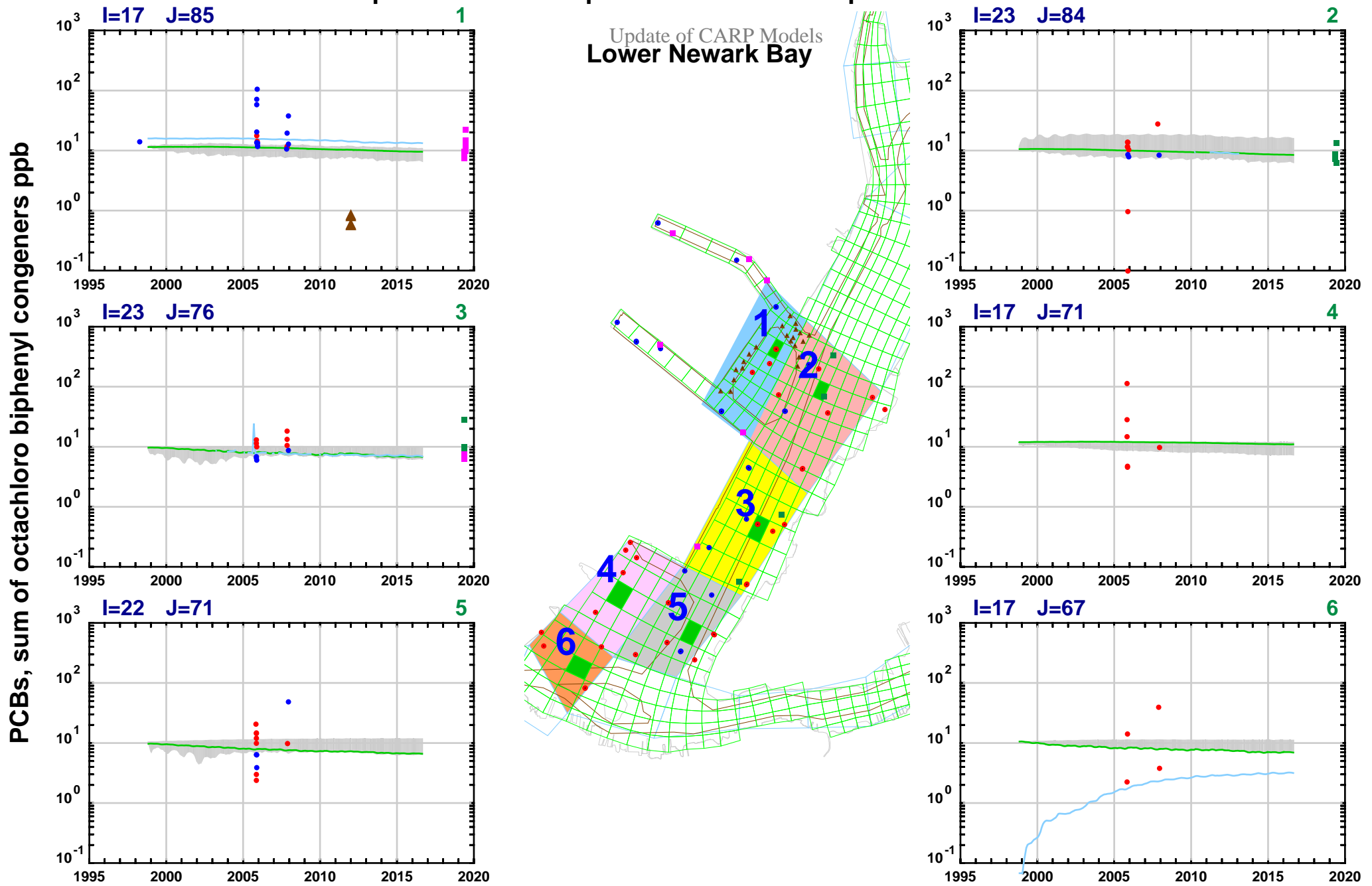
Update of CARP Models
Upper Newark Bay

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



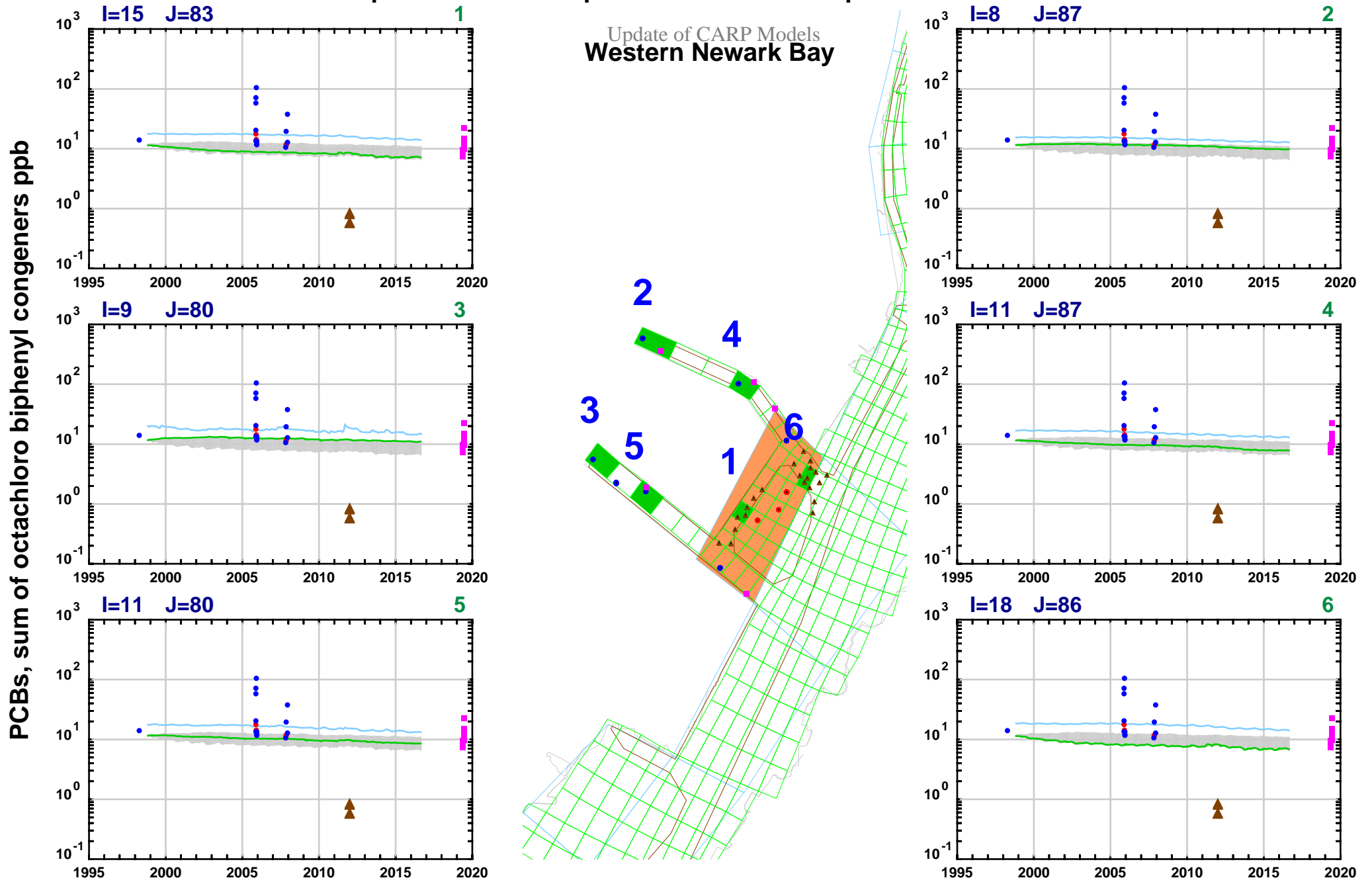
Update of CARP Models
Lower Newark Bay

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



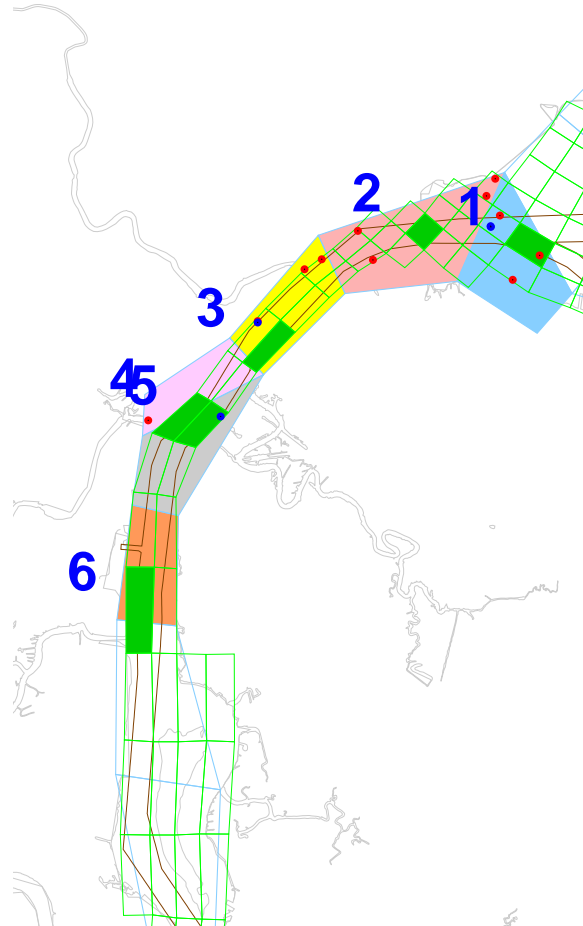
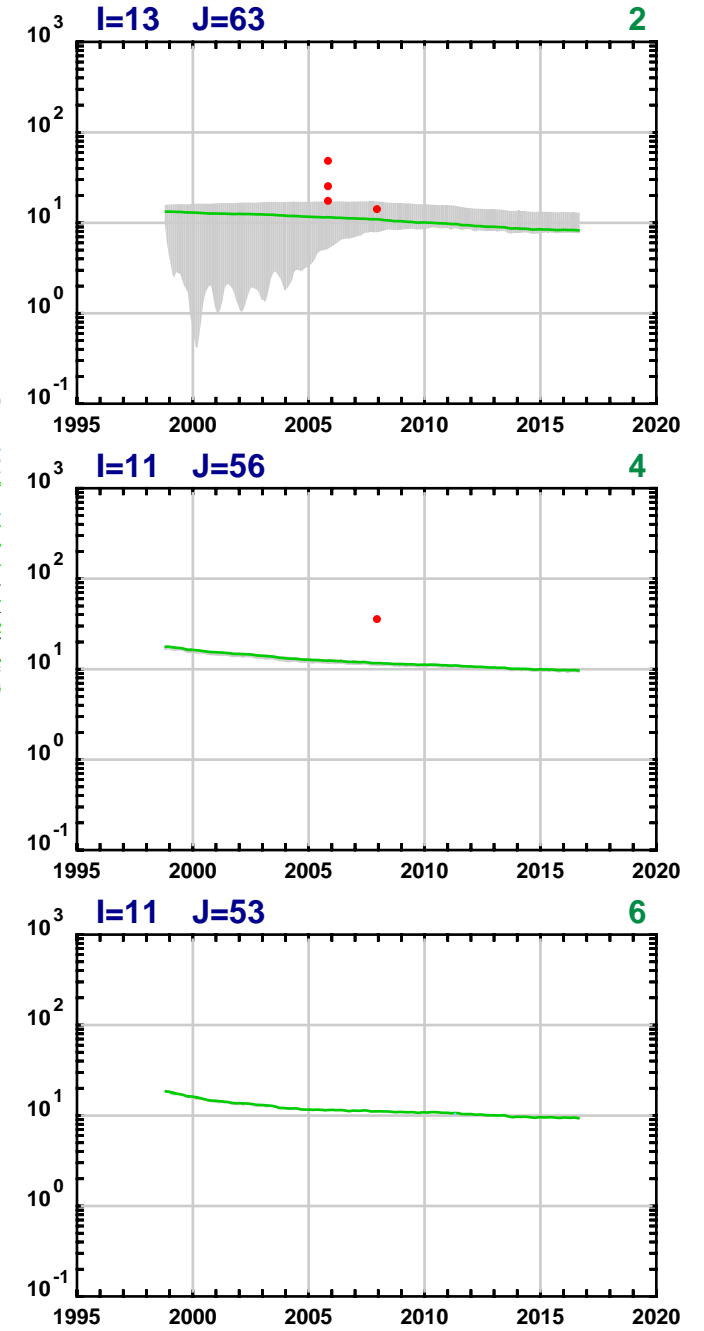
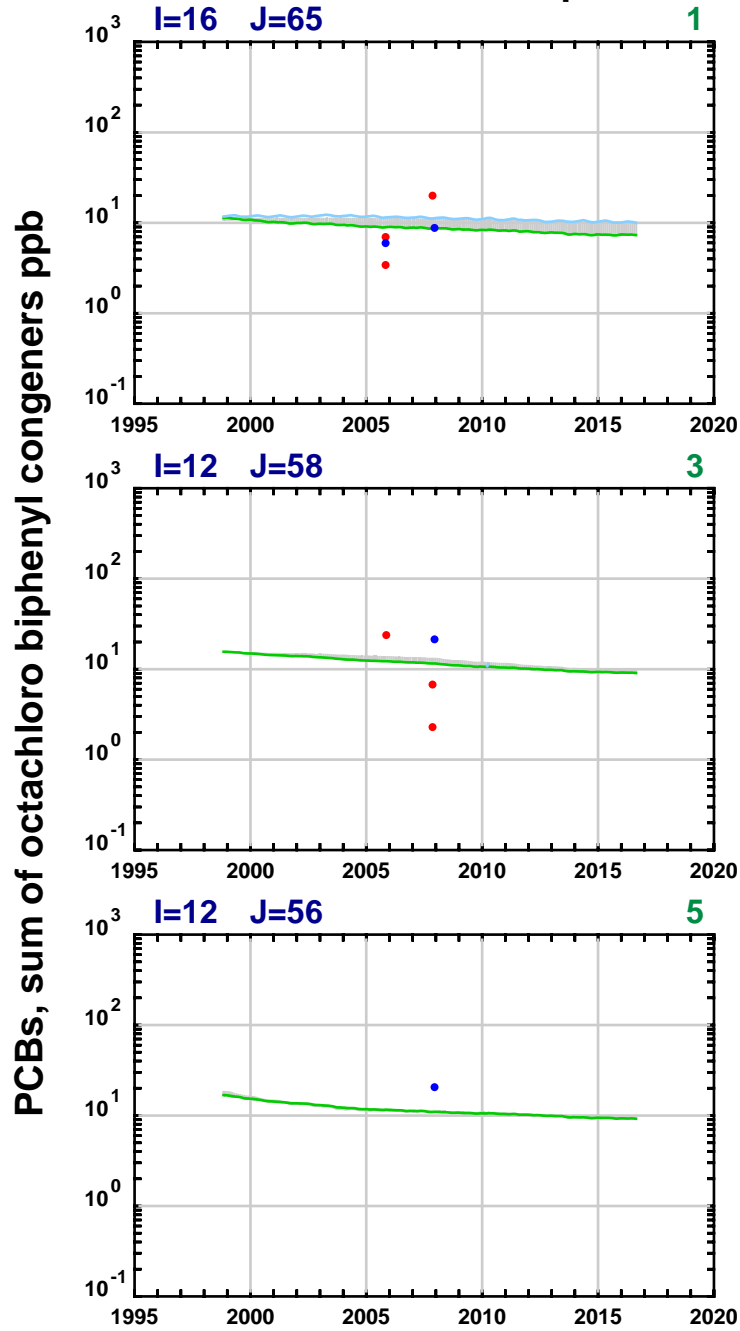
RUN18

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

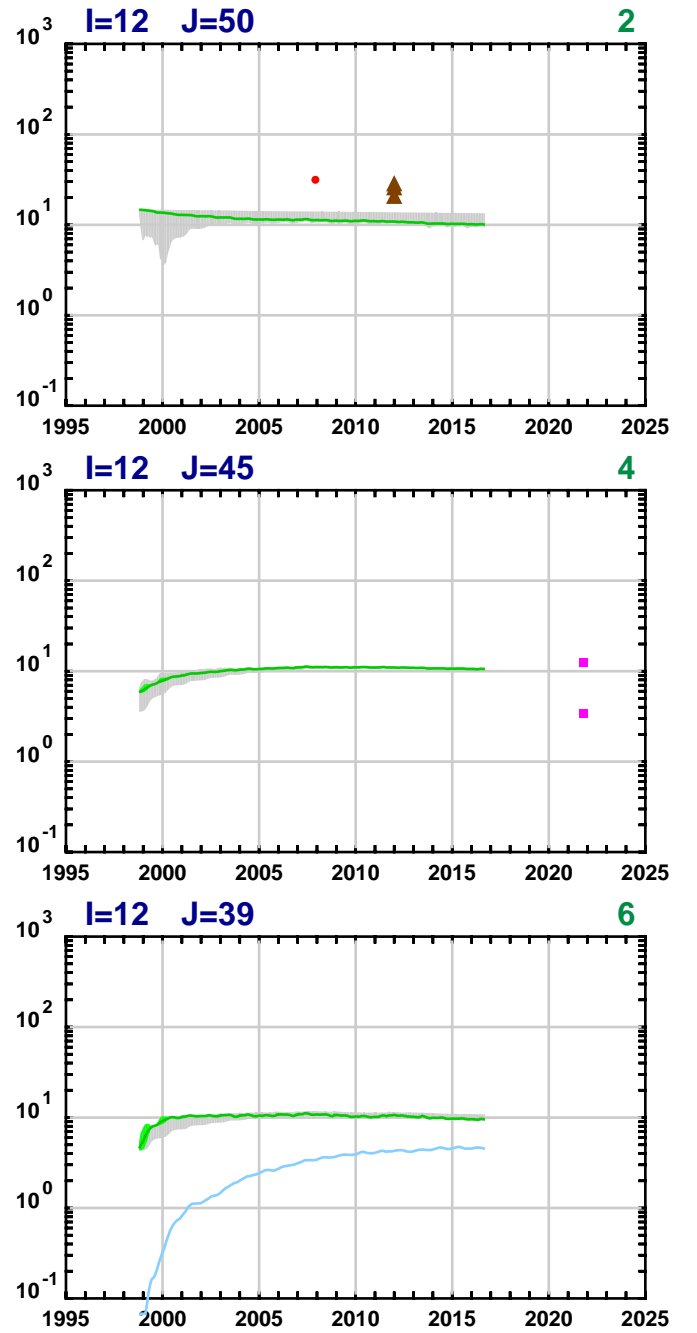
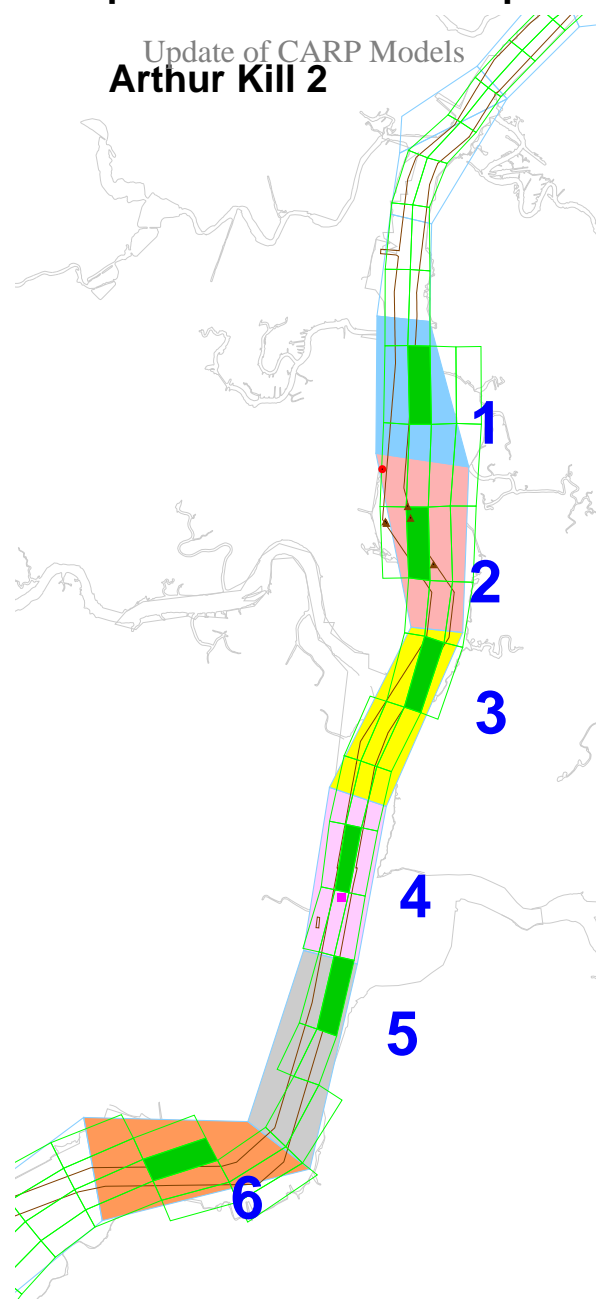
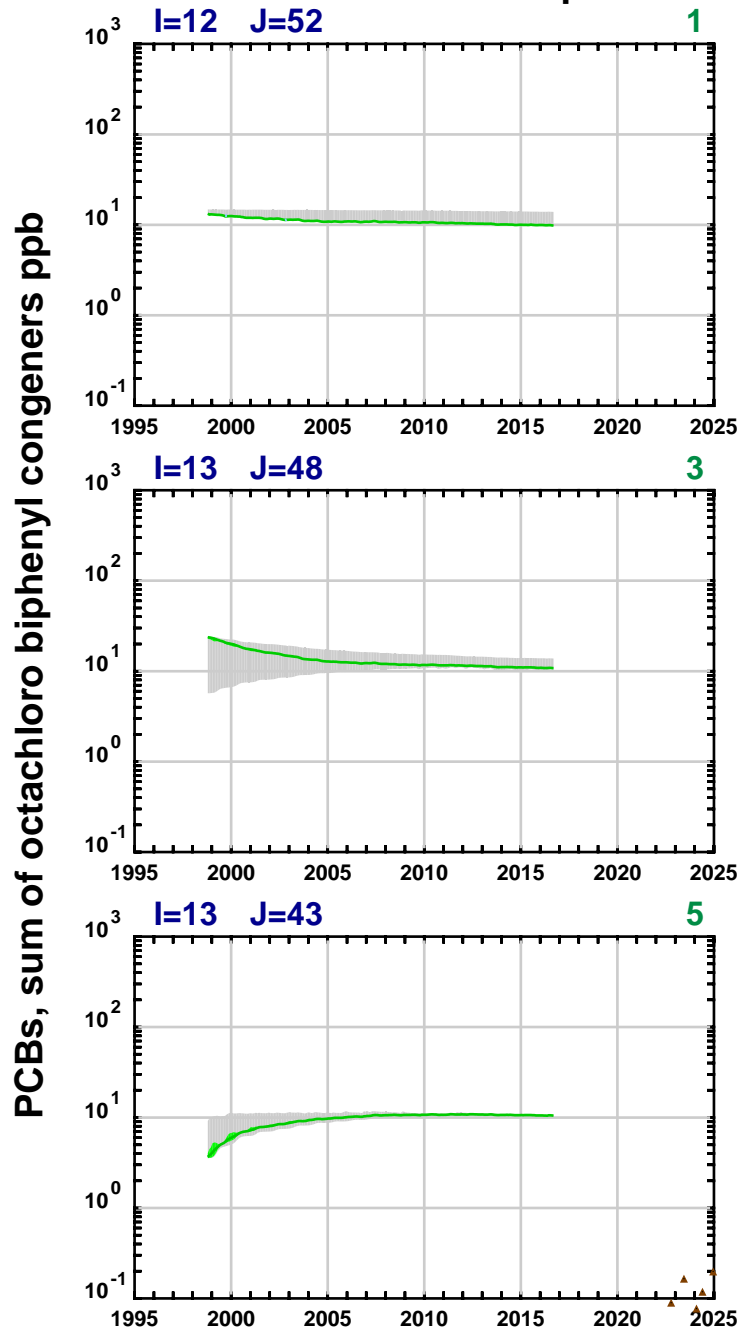


RUN18

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

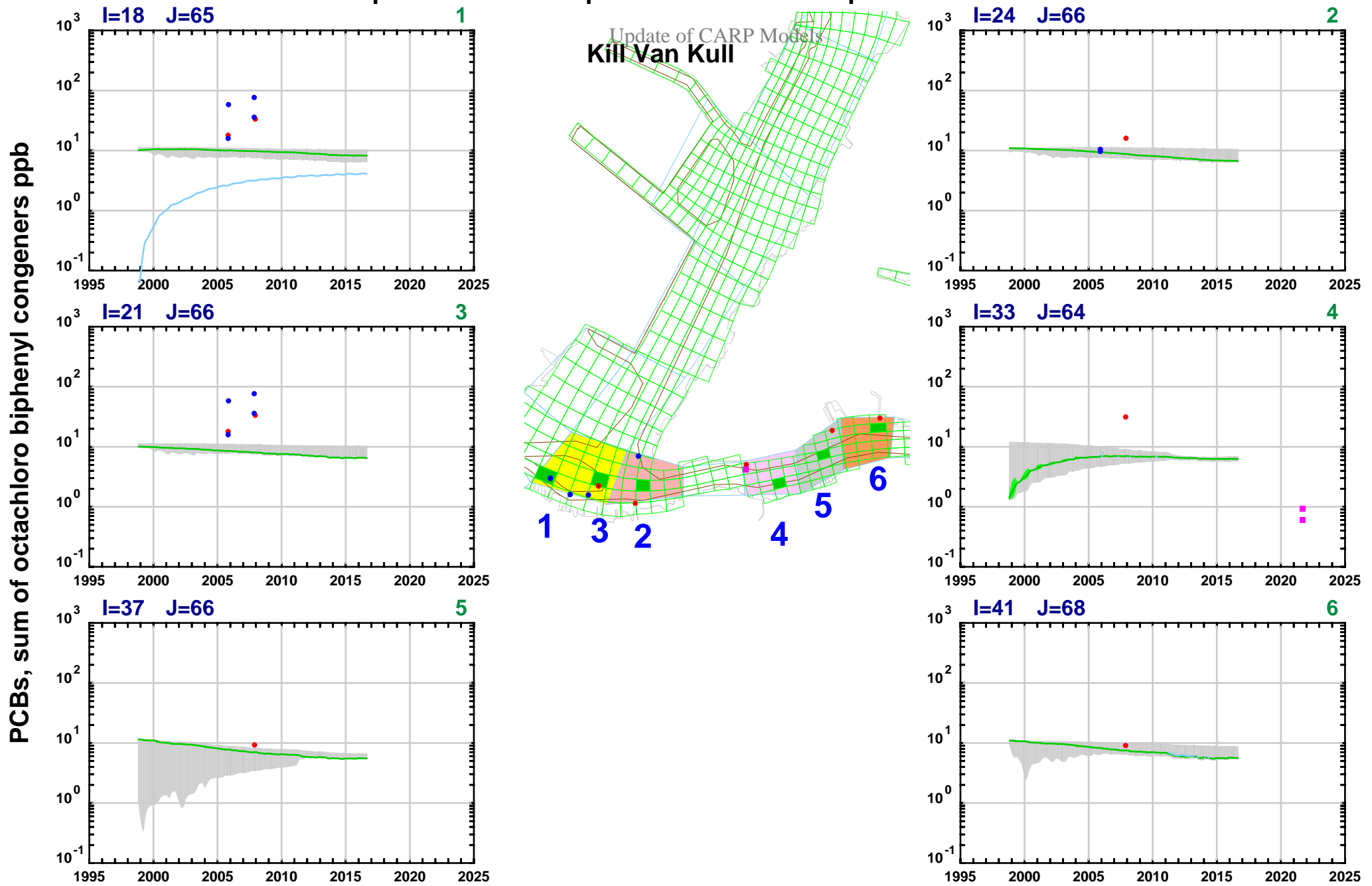


RUN18

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

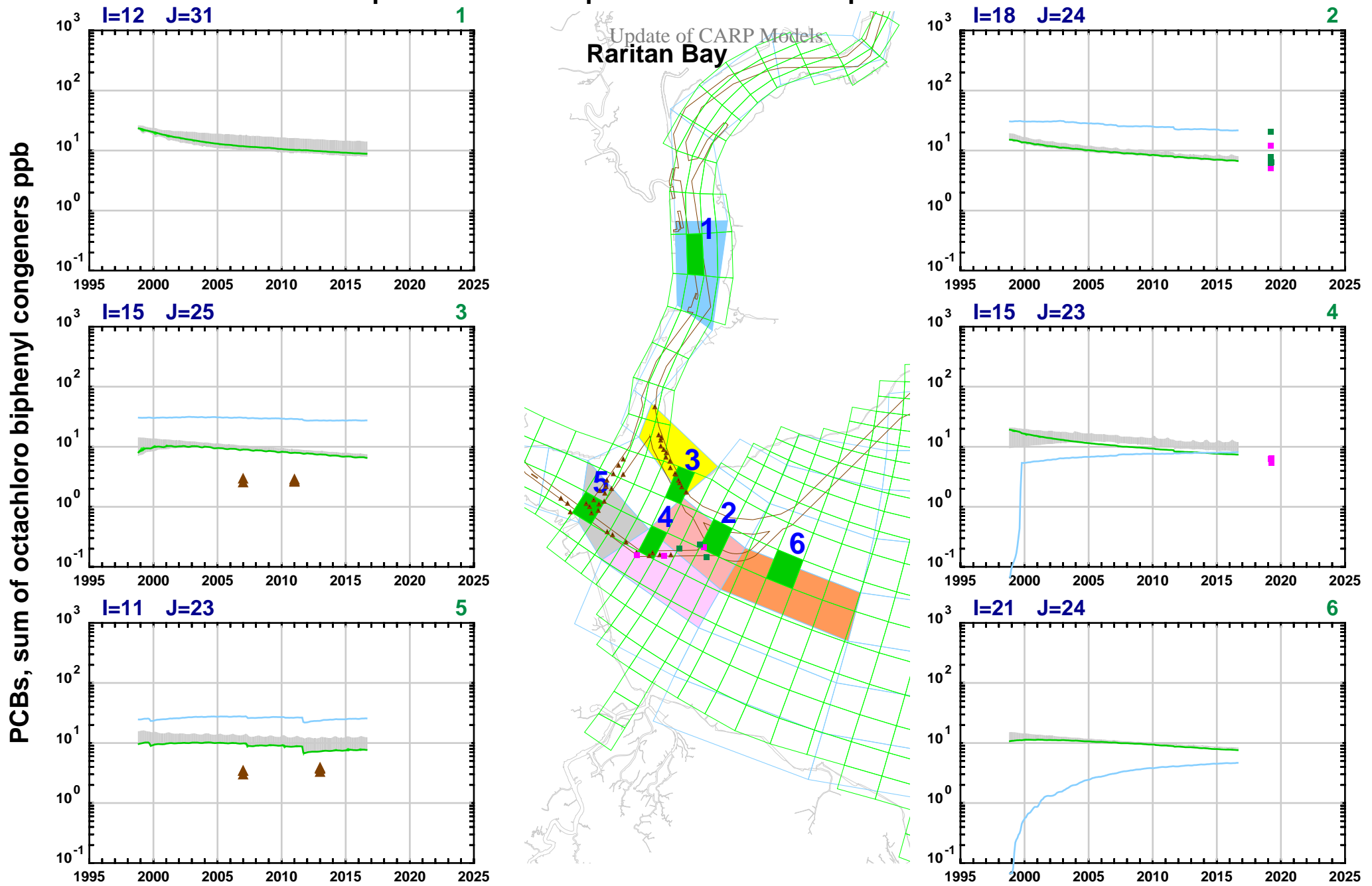


RUN18

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

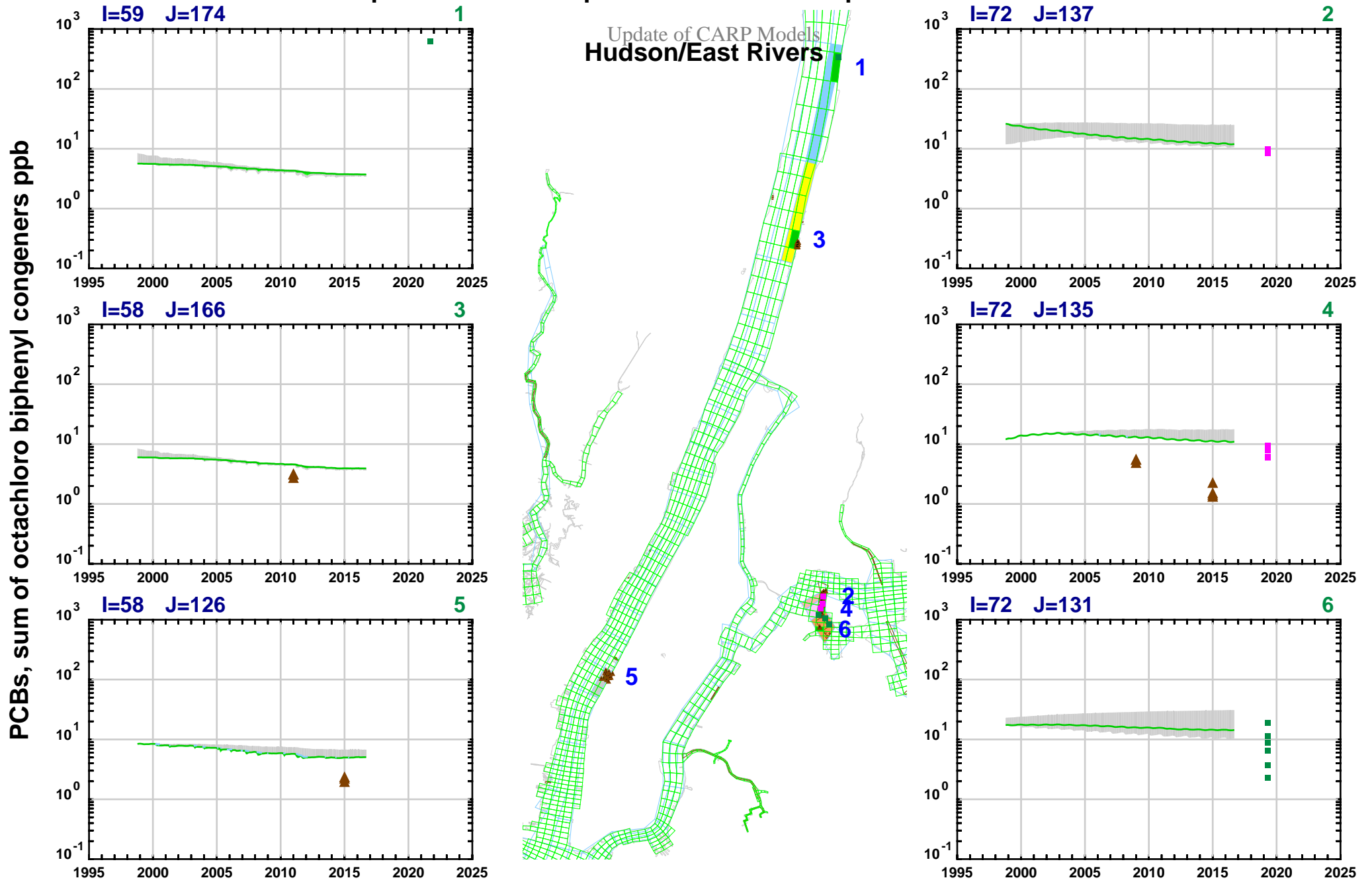


RUN18

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

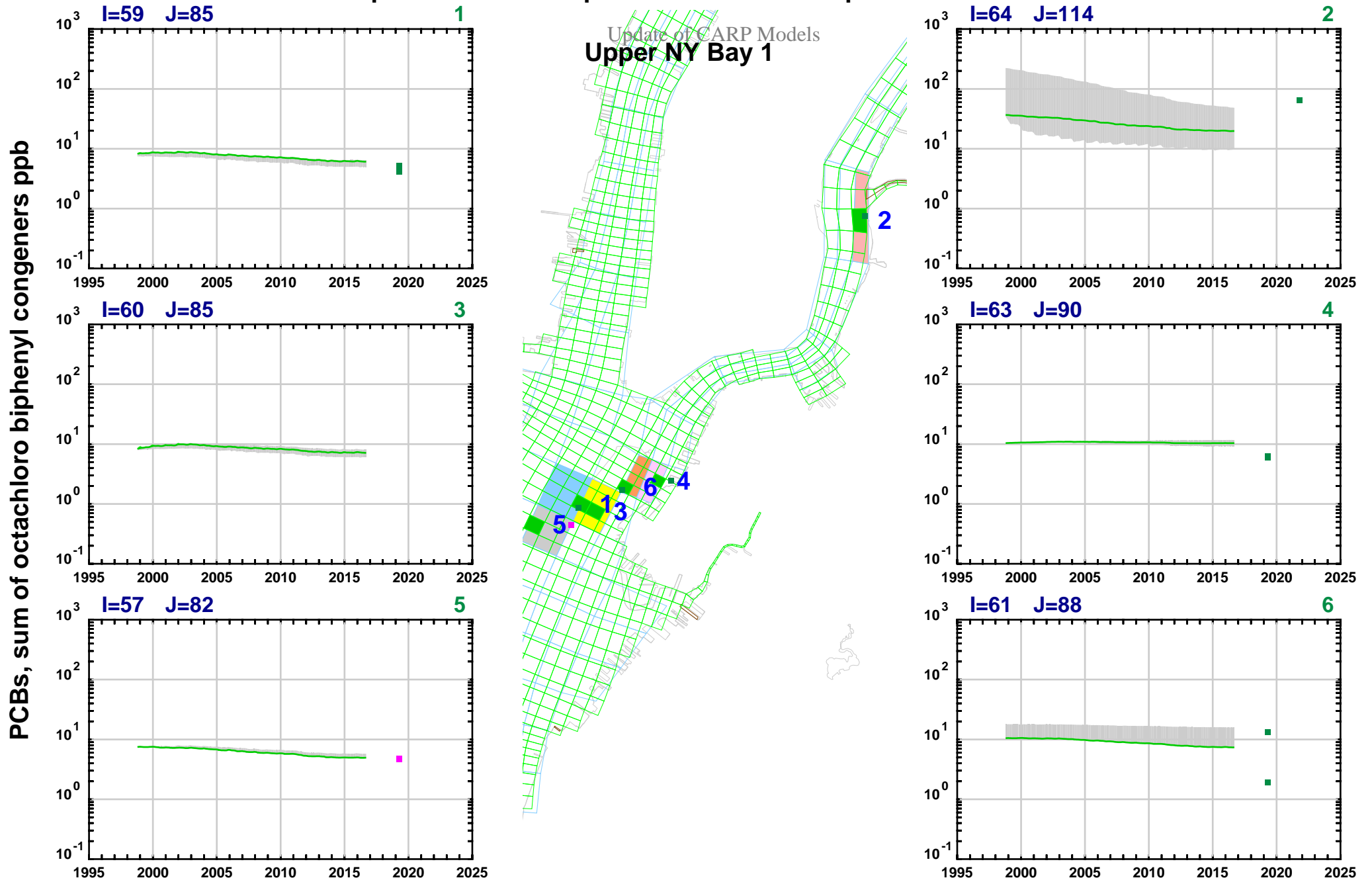


RUN18

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

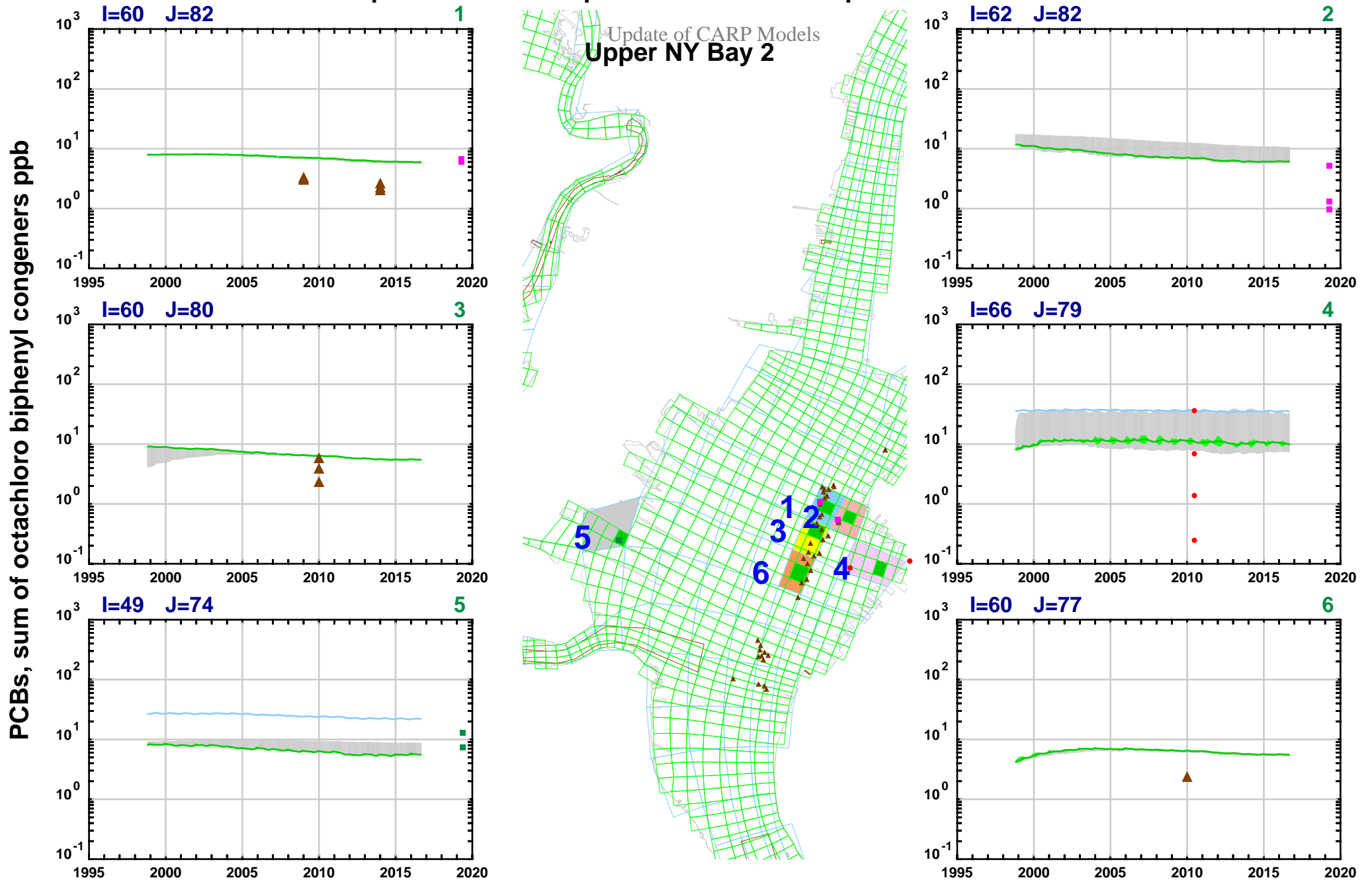


RUN18

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

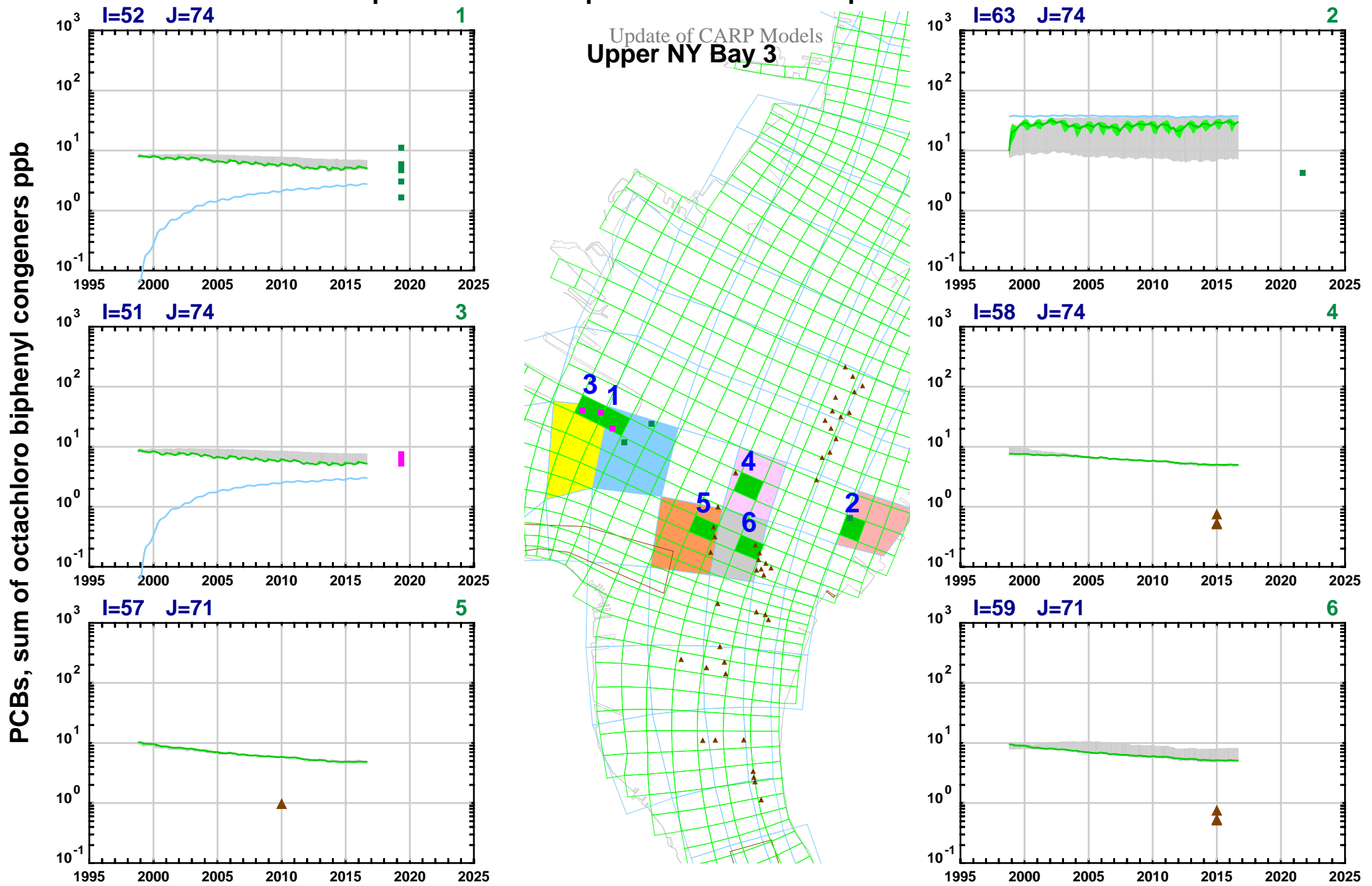


RUN18

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

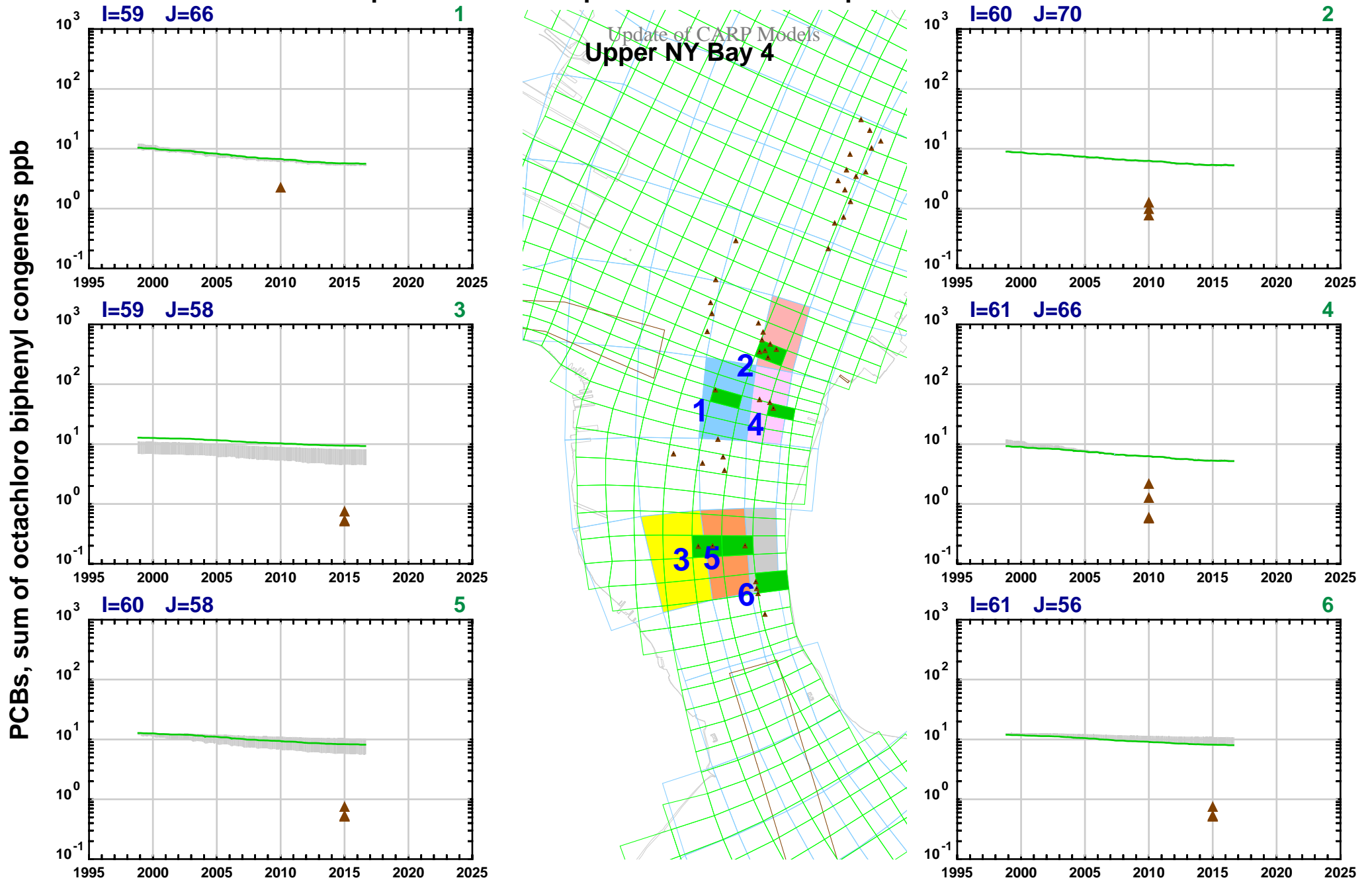


RUN18

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

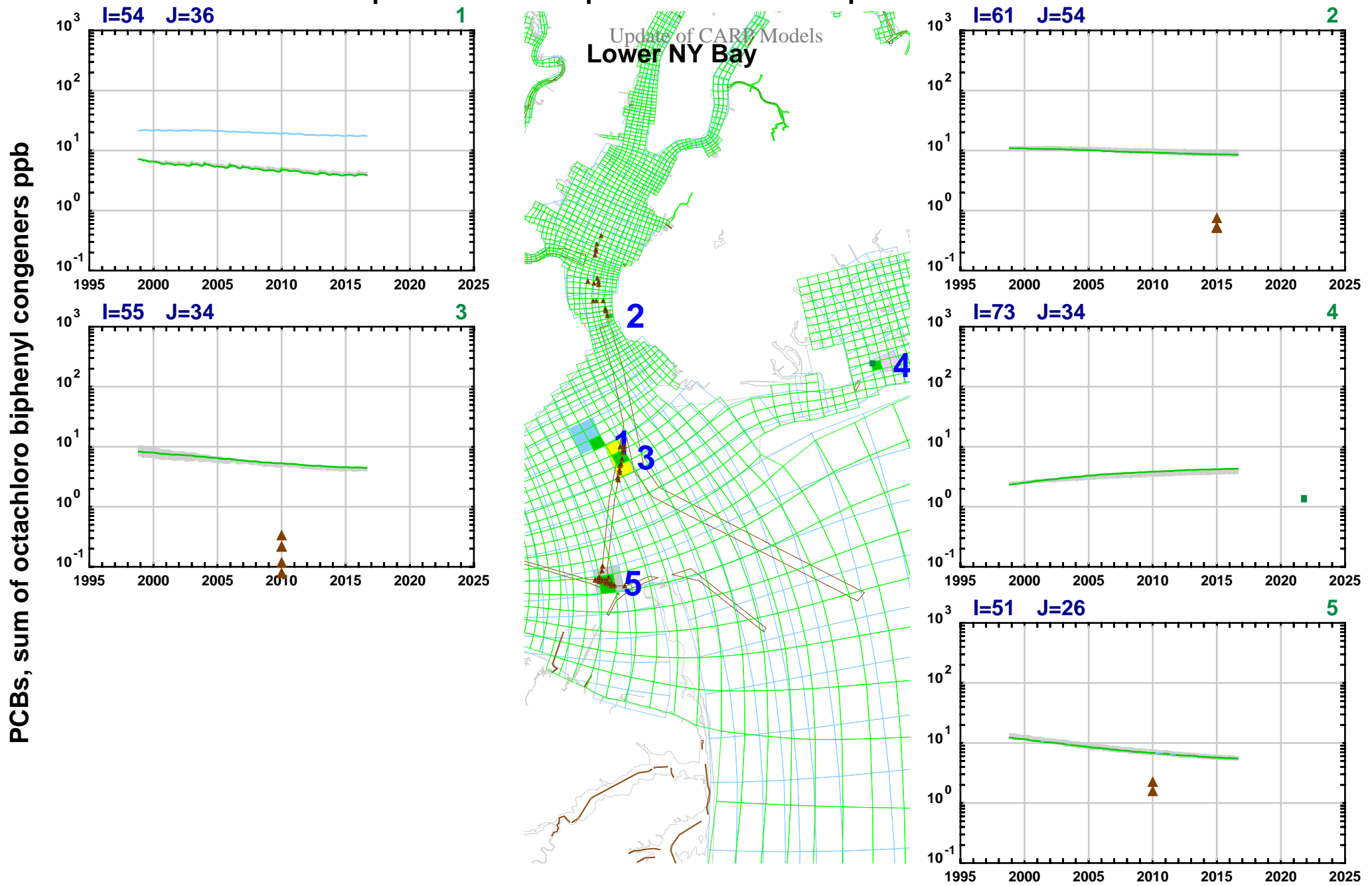


RUN18

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

● 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



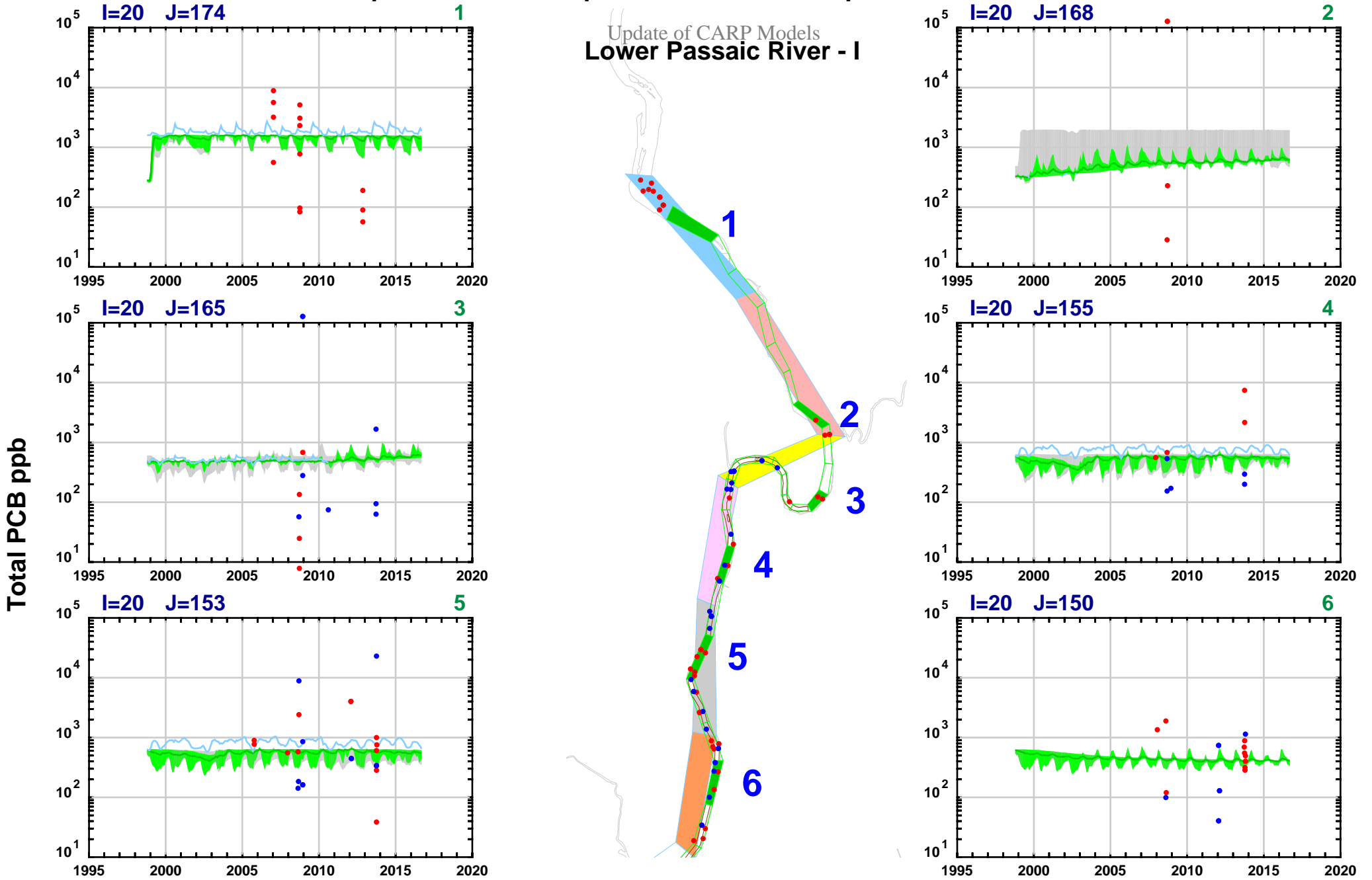
RUN18

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

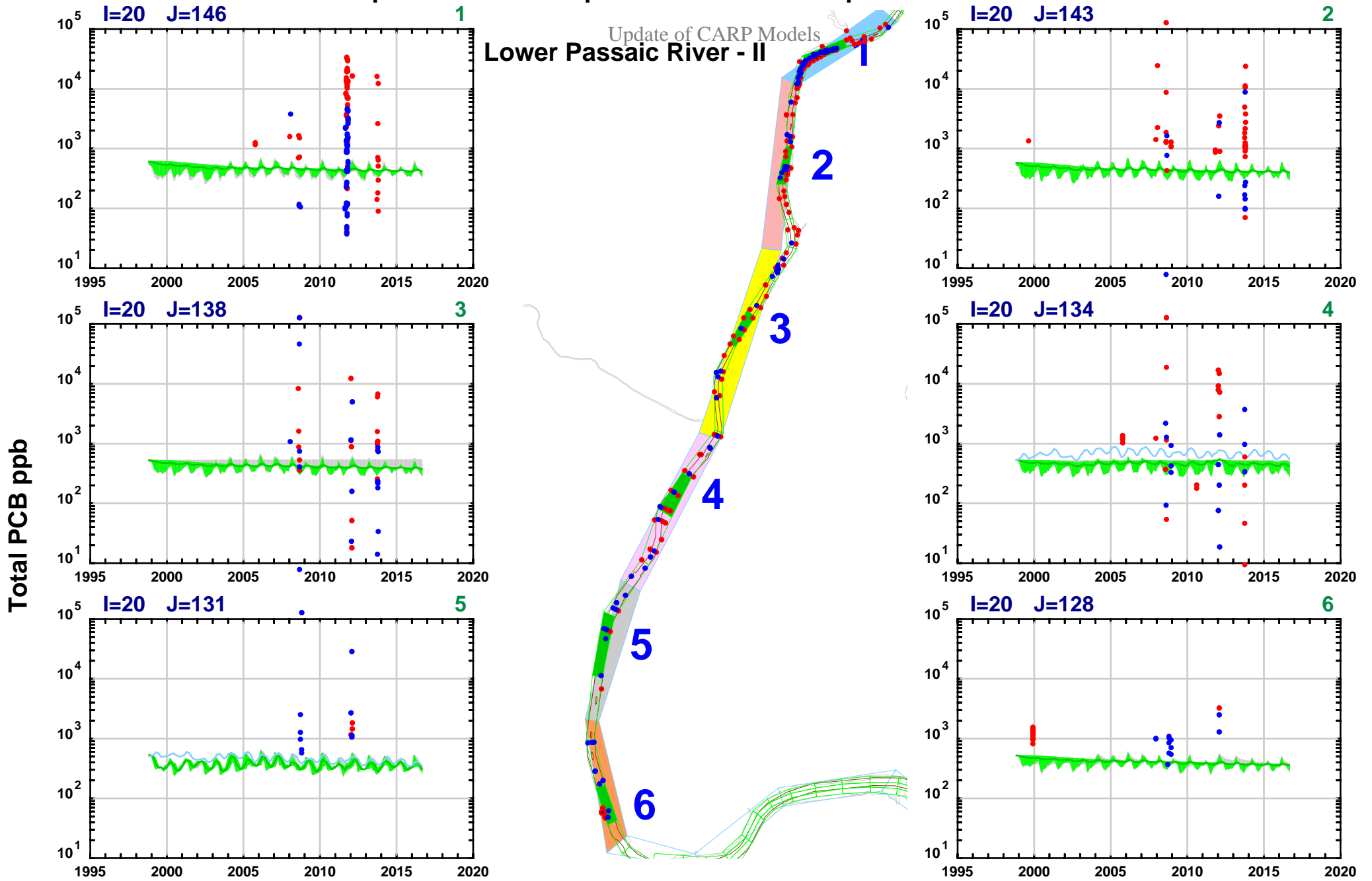


RUN18

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

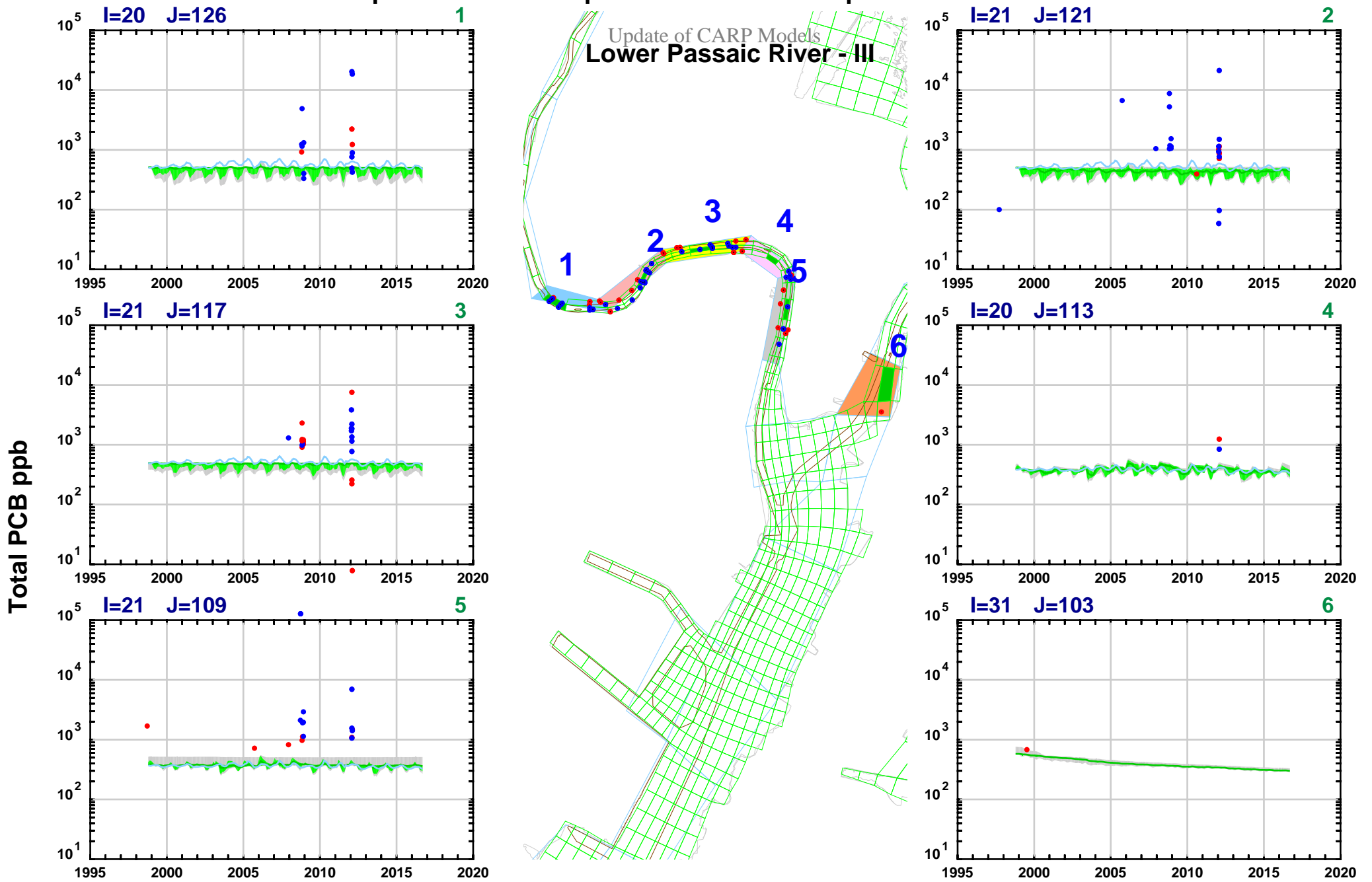


RUN18

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

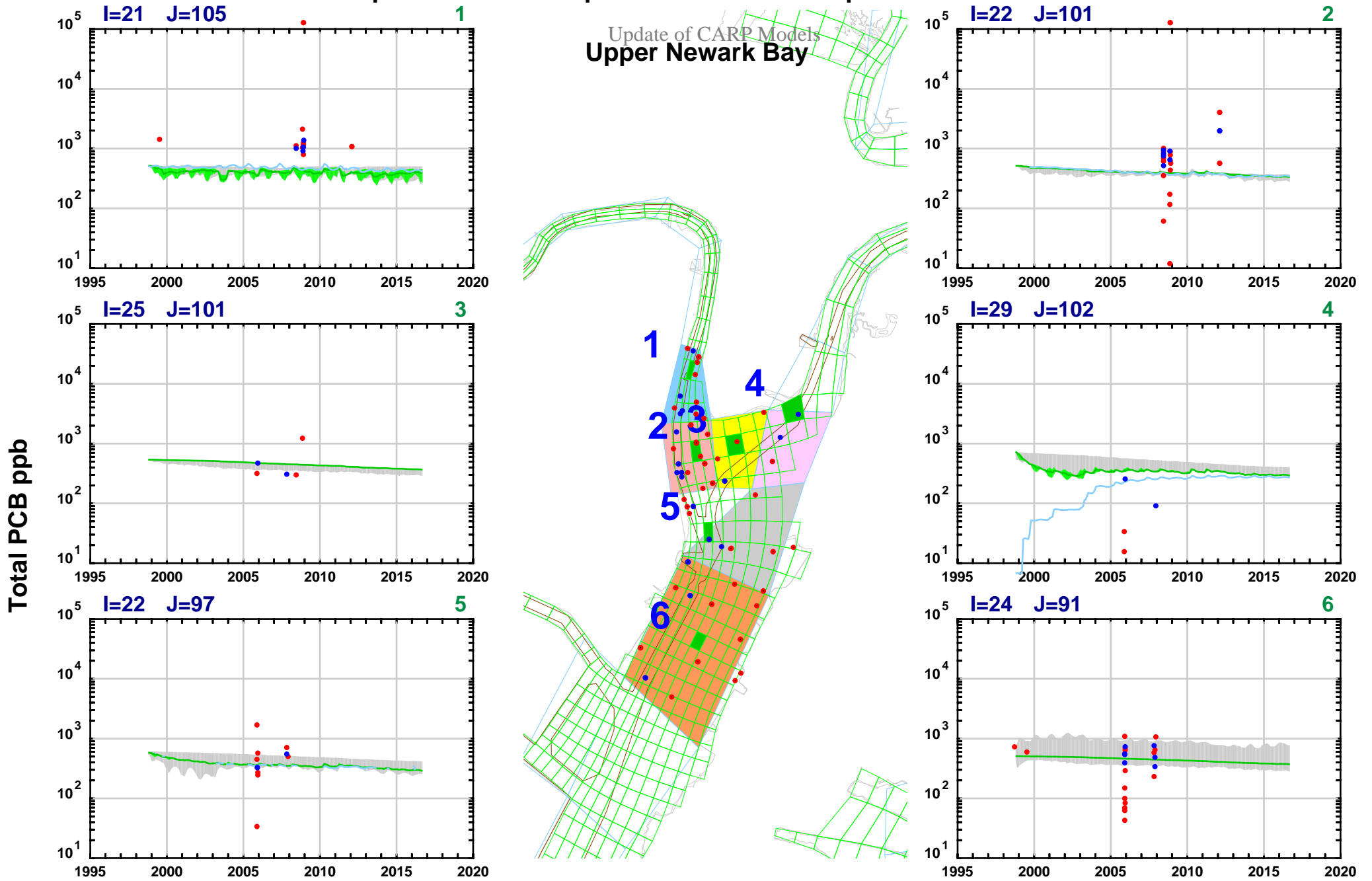


RUN18

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



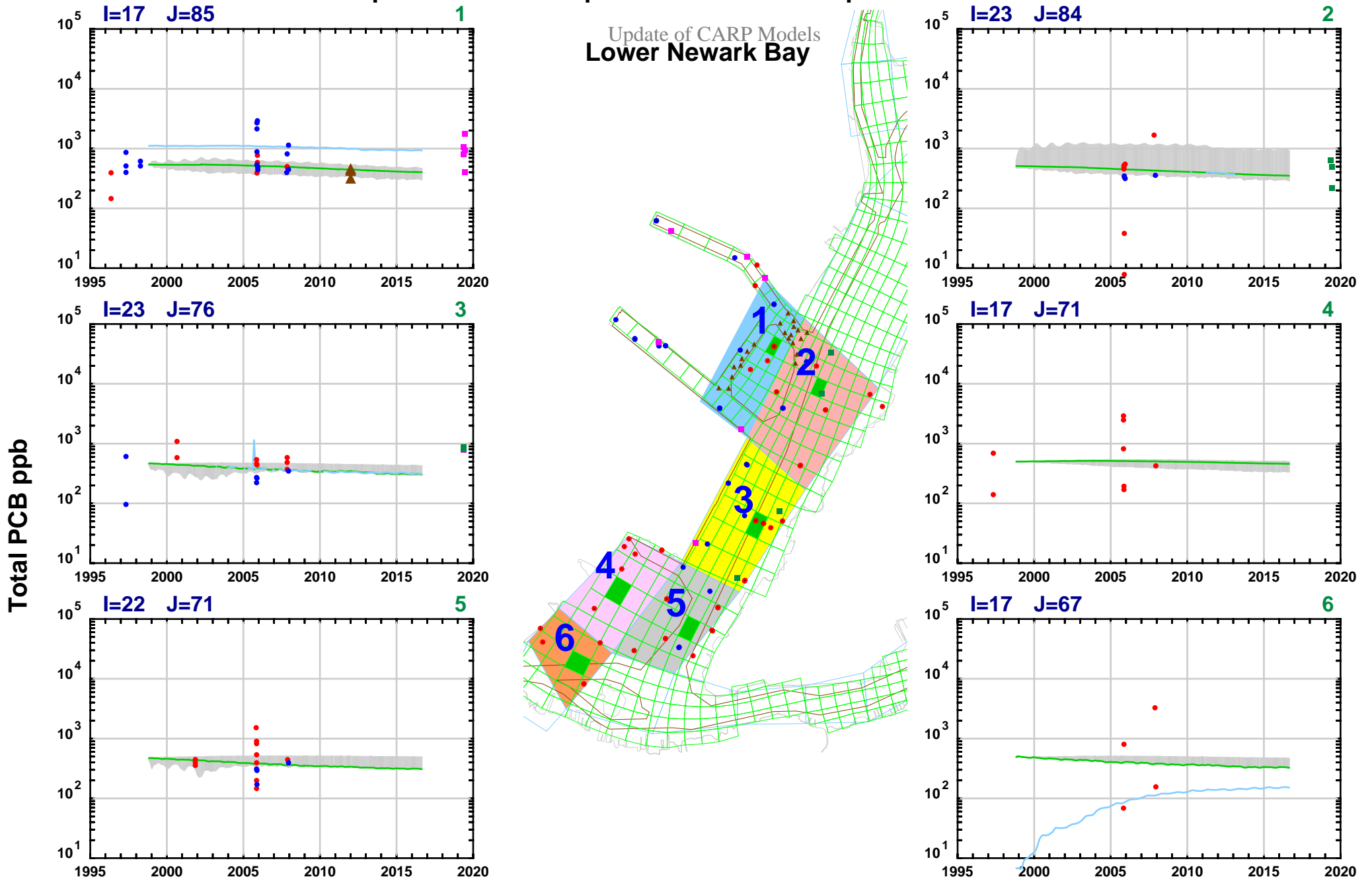
RUN18

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



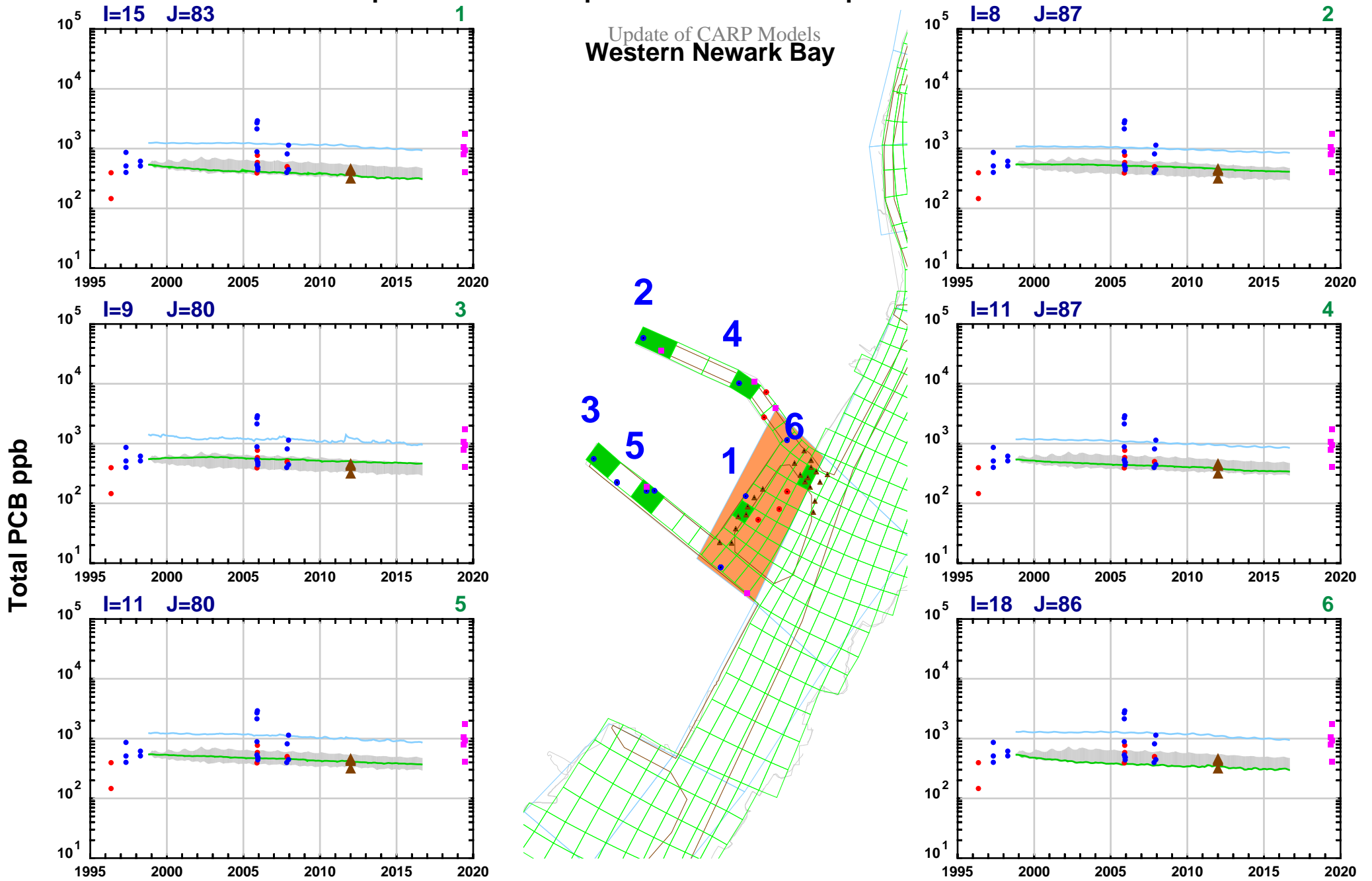
RUN18

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



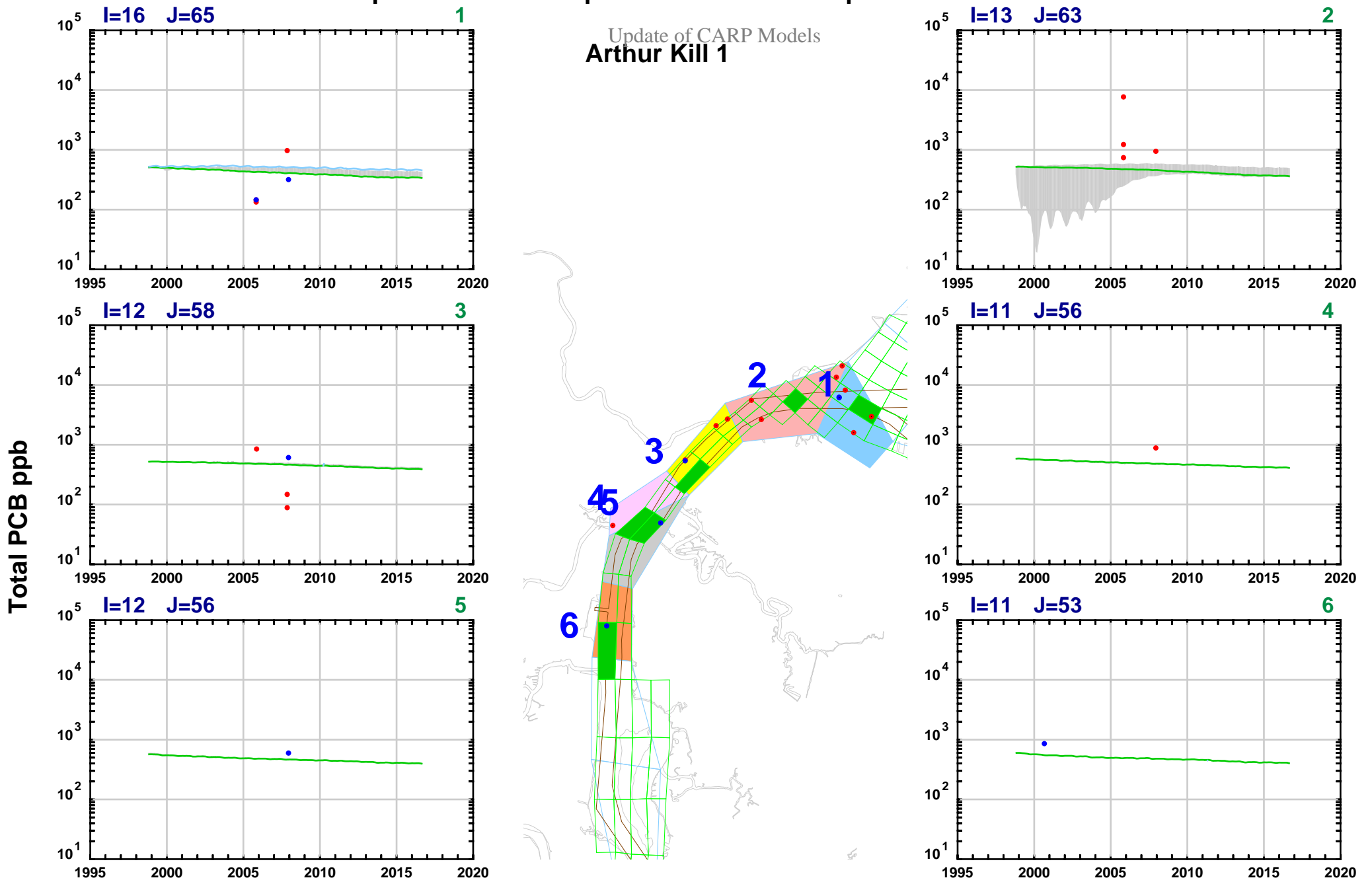
RUN18

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

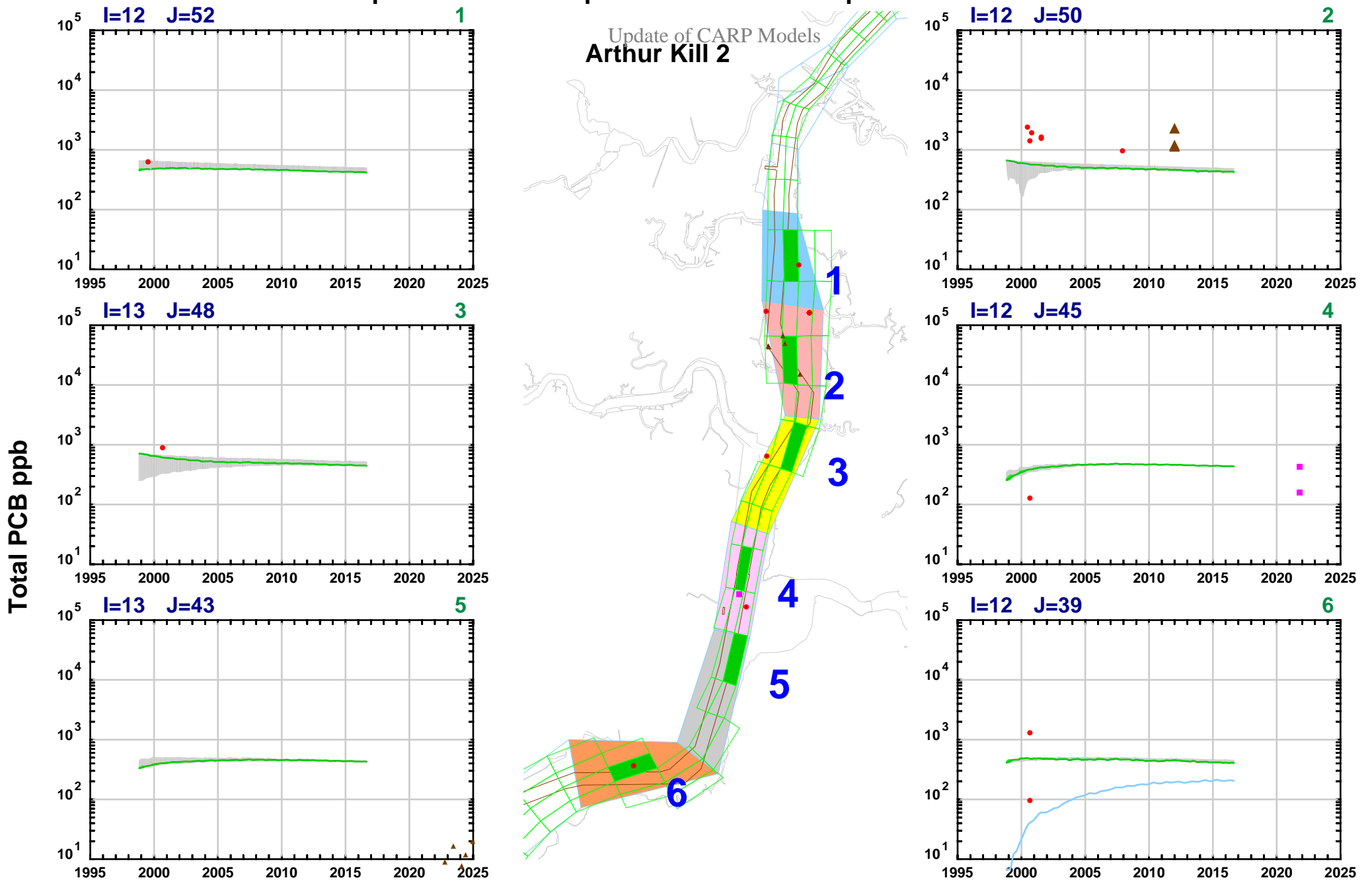


RUN18

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

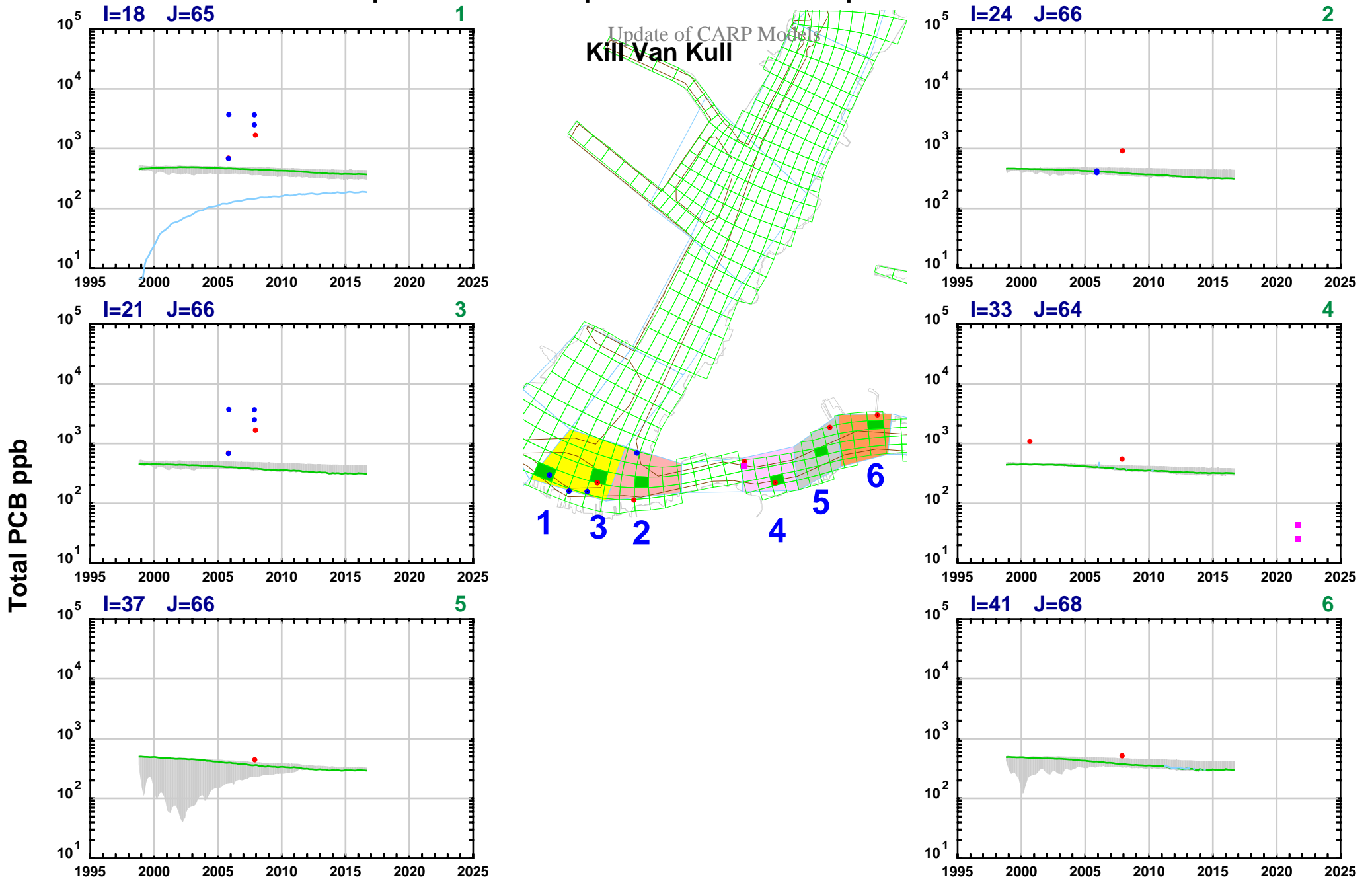


RUN18

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

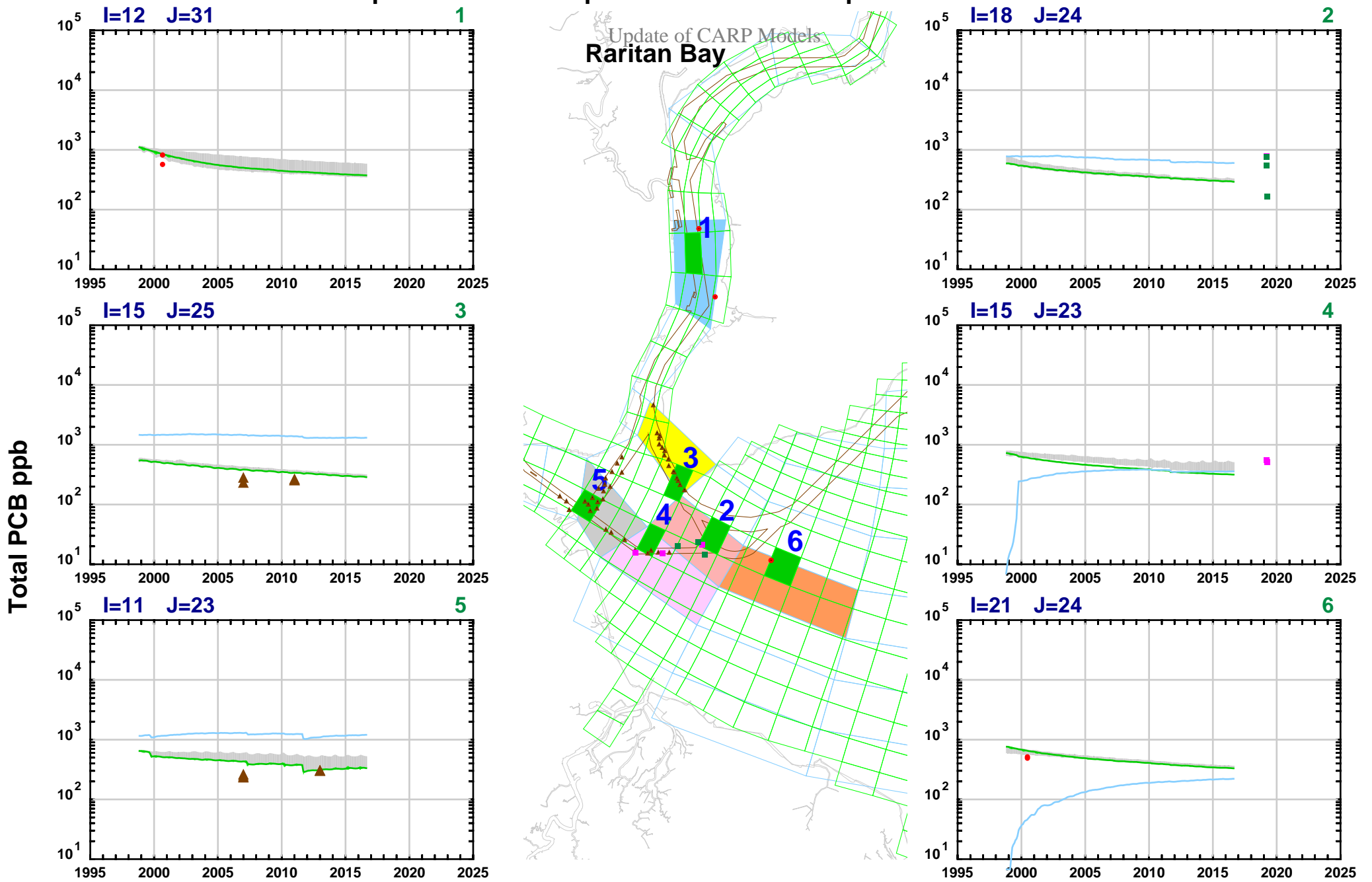


RUN18

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

● 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

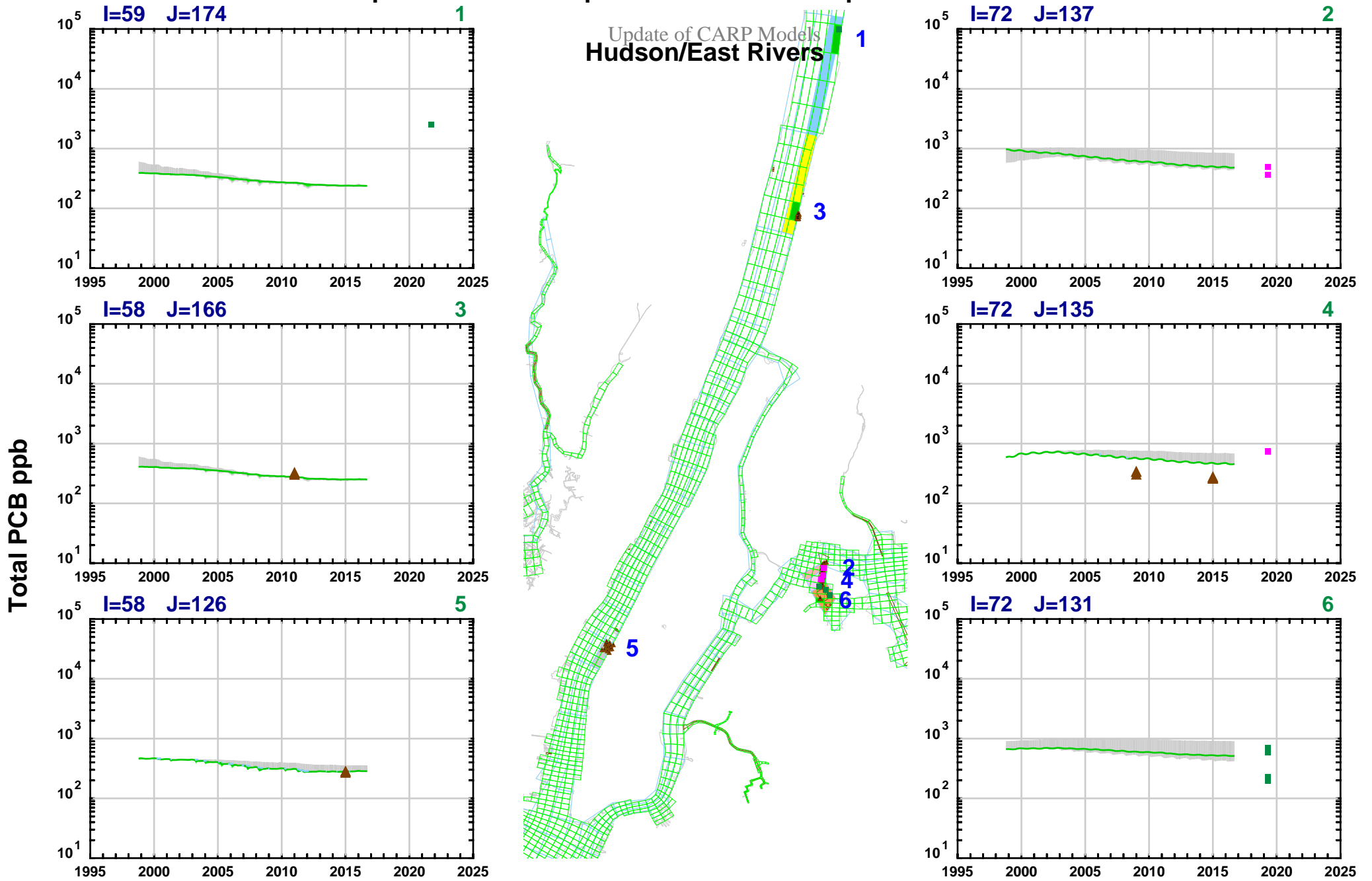


RUN18

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

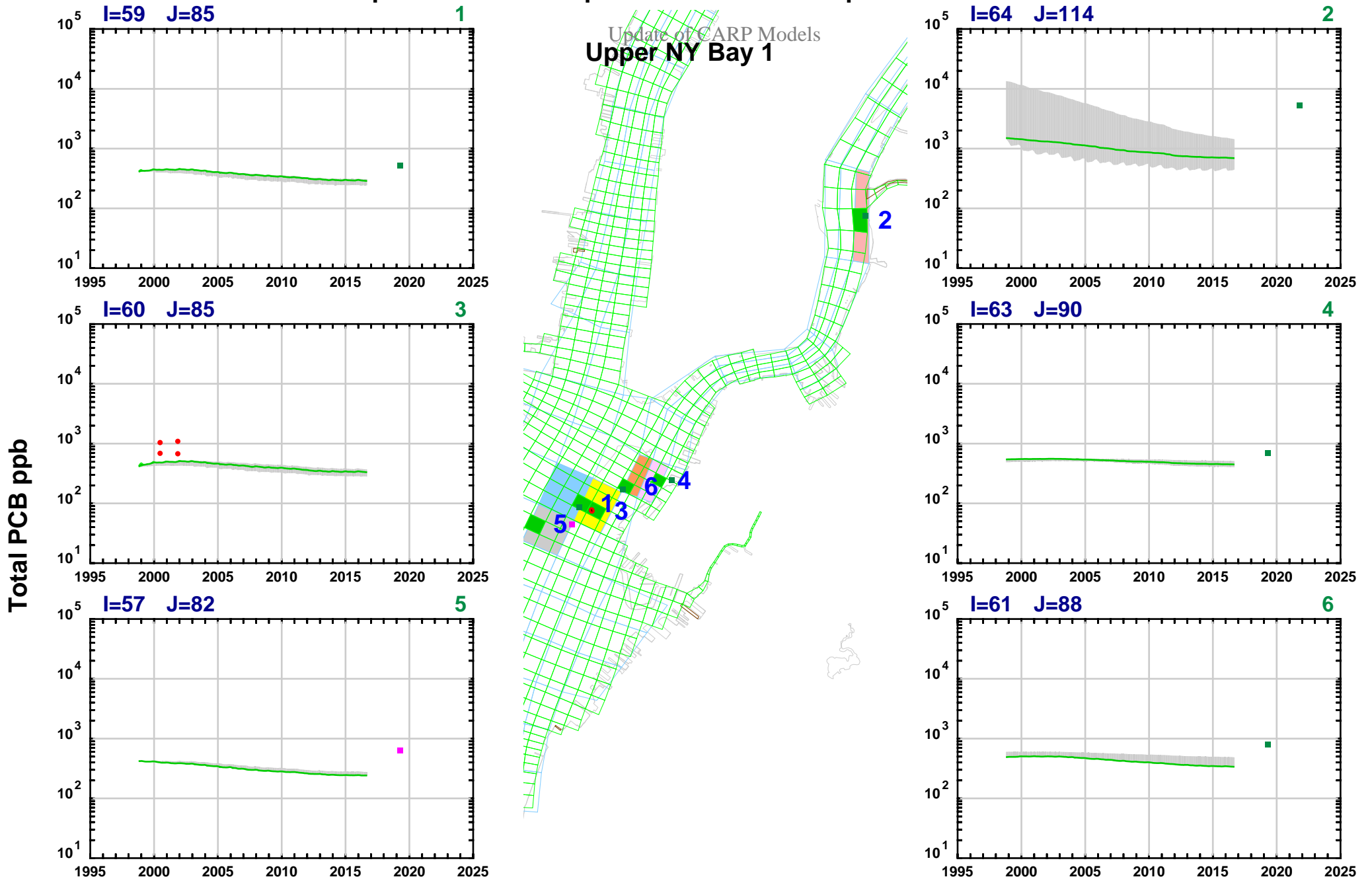


RUN18

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

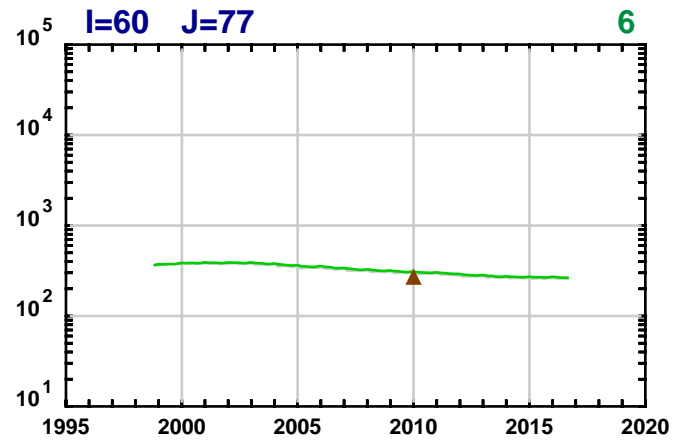
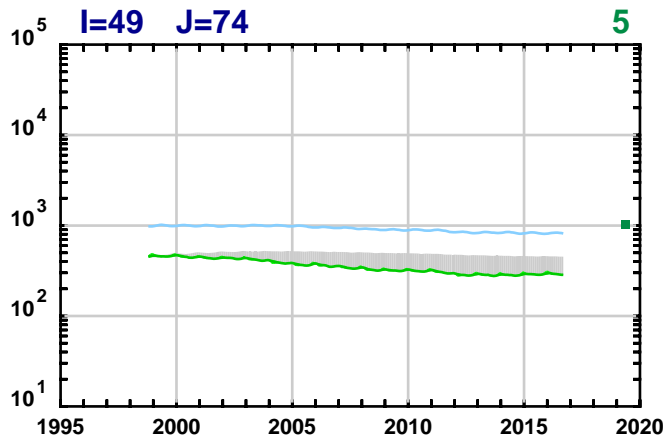
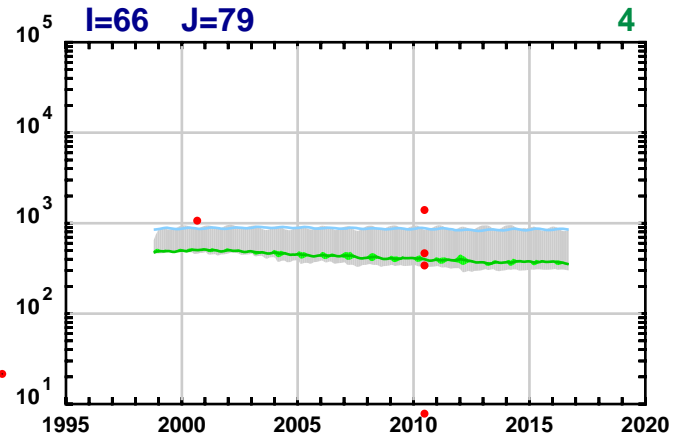
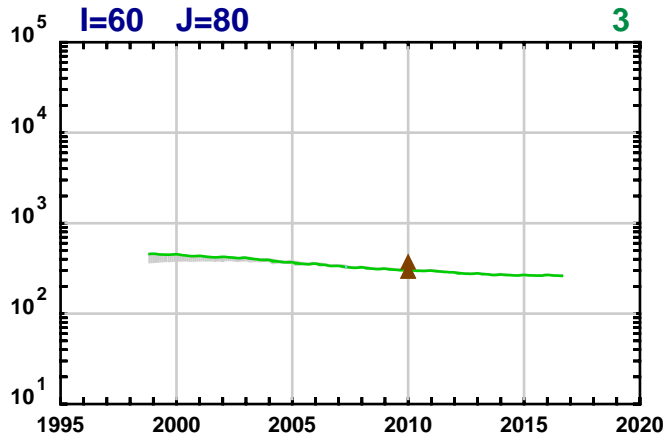
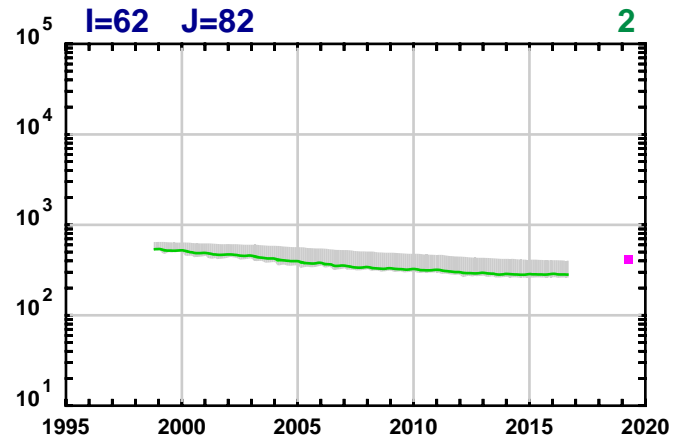
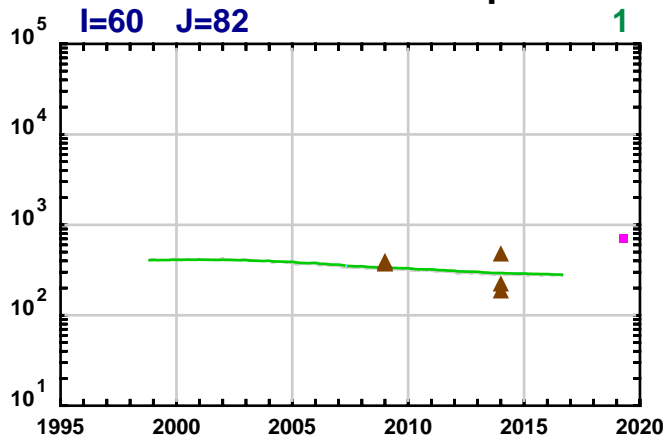
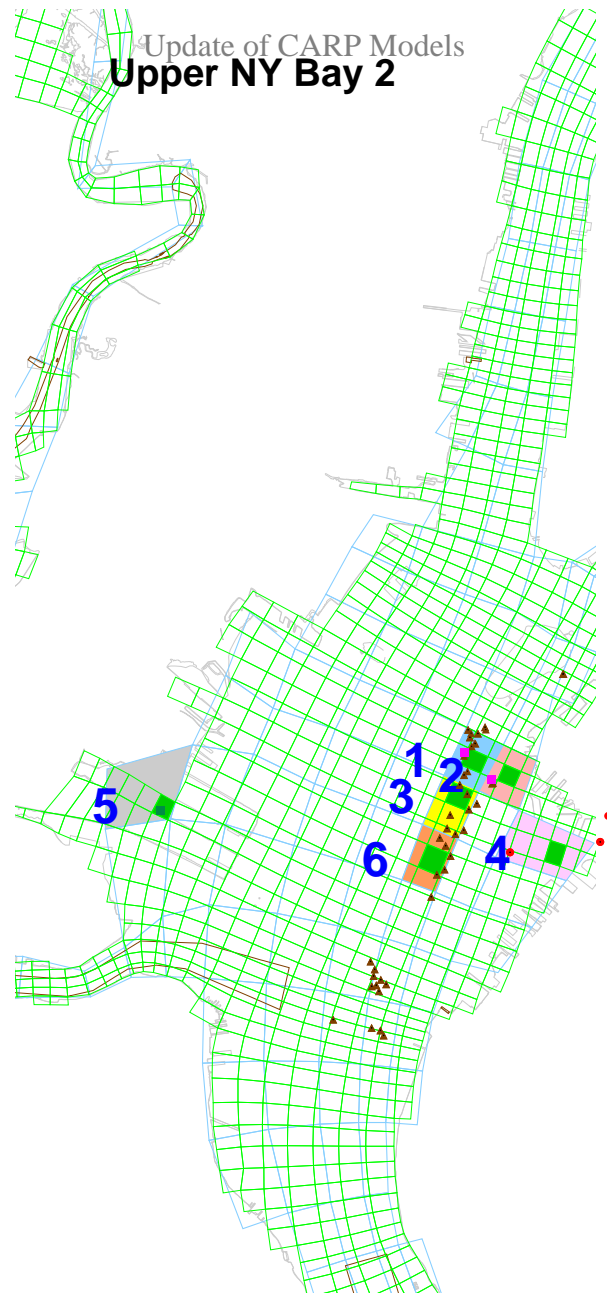


RUN18

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



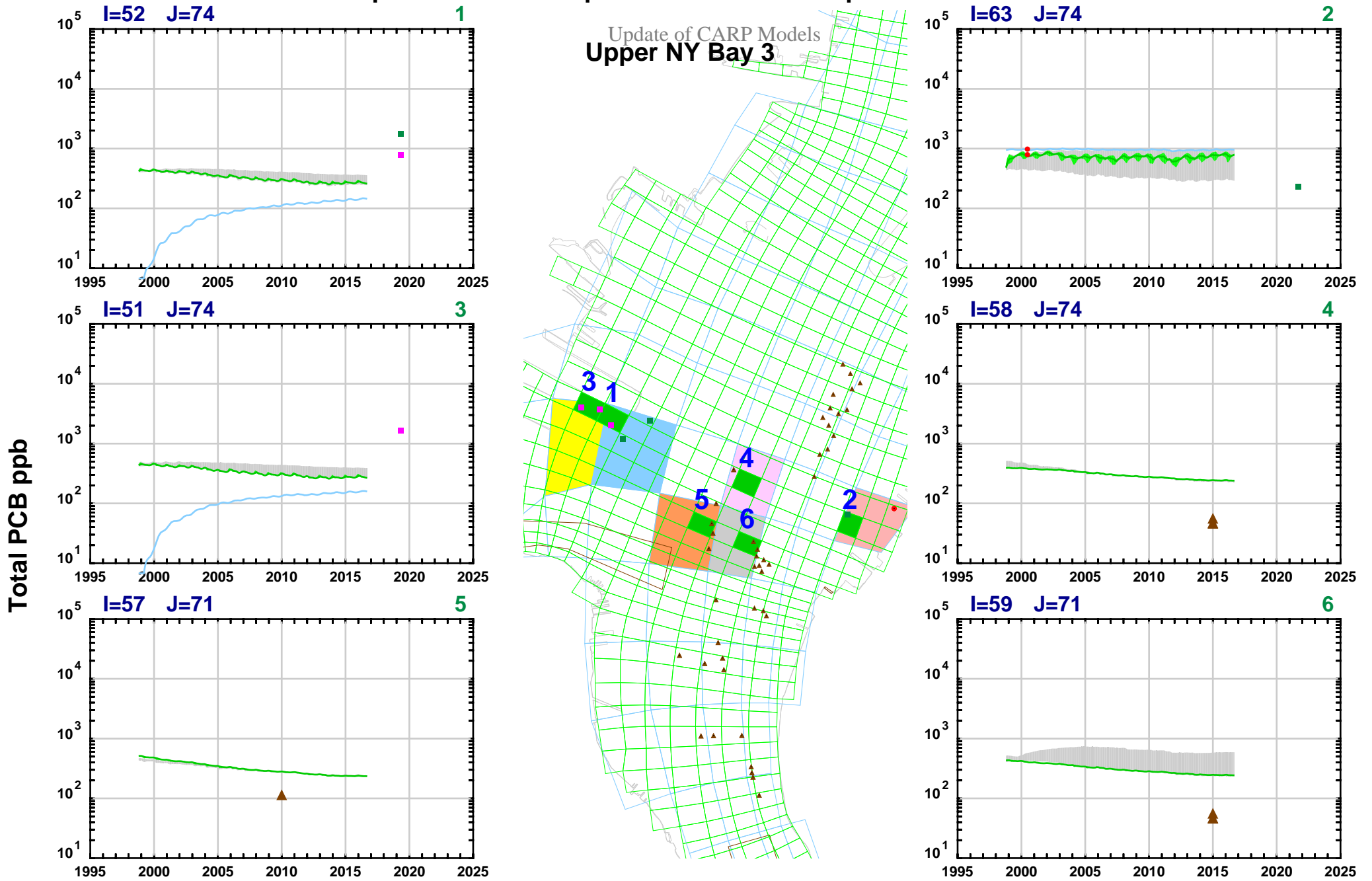
Total PCB ppb

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

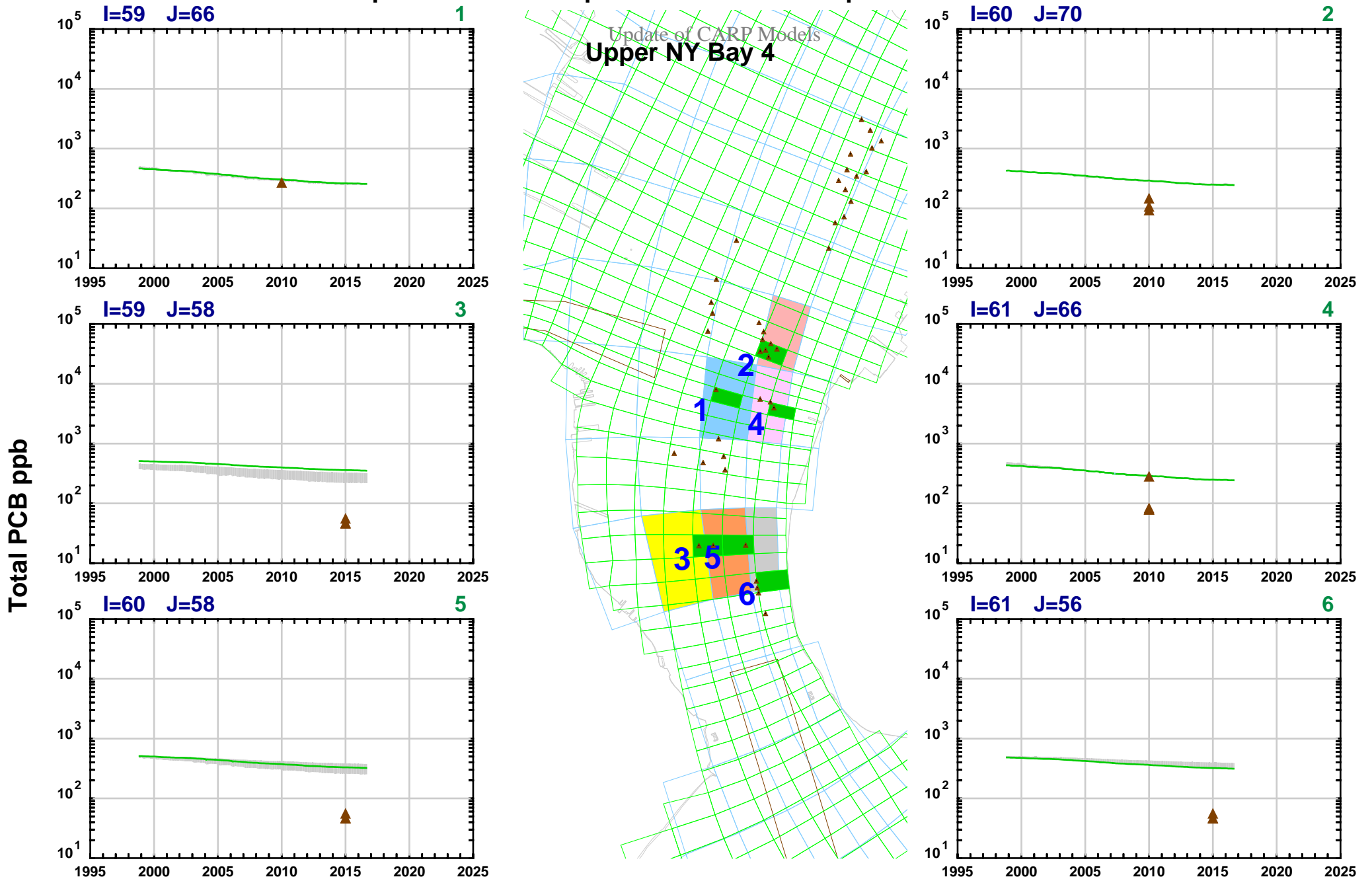


RUN18

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

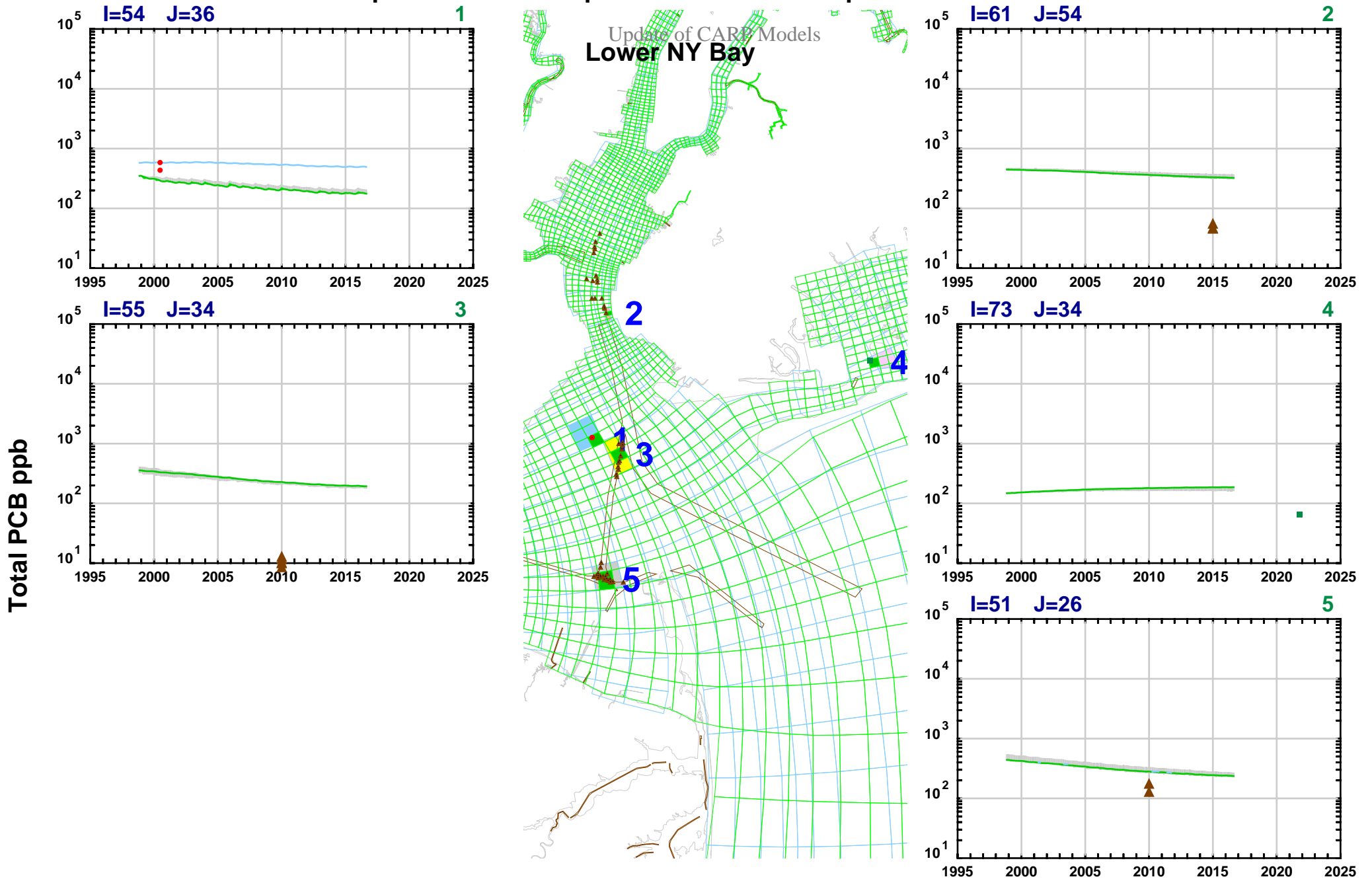


RUN18

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



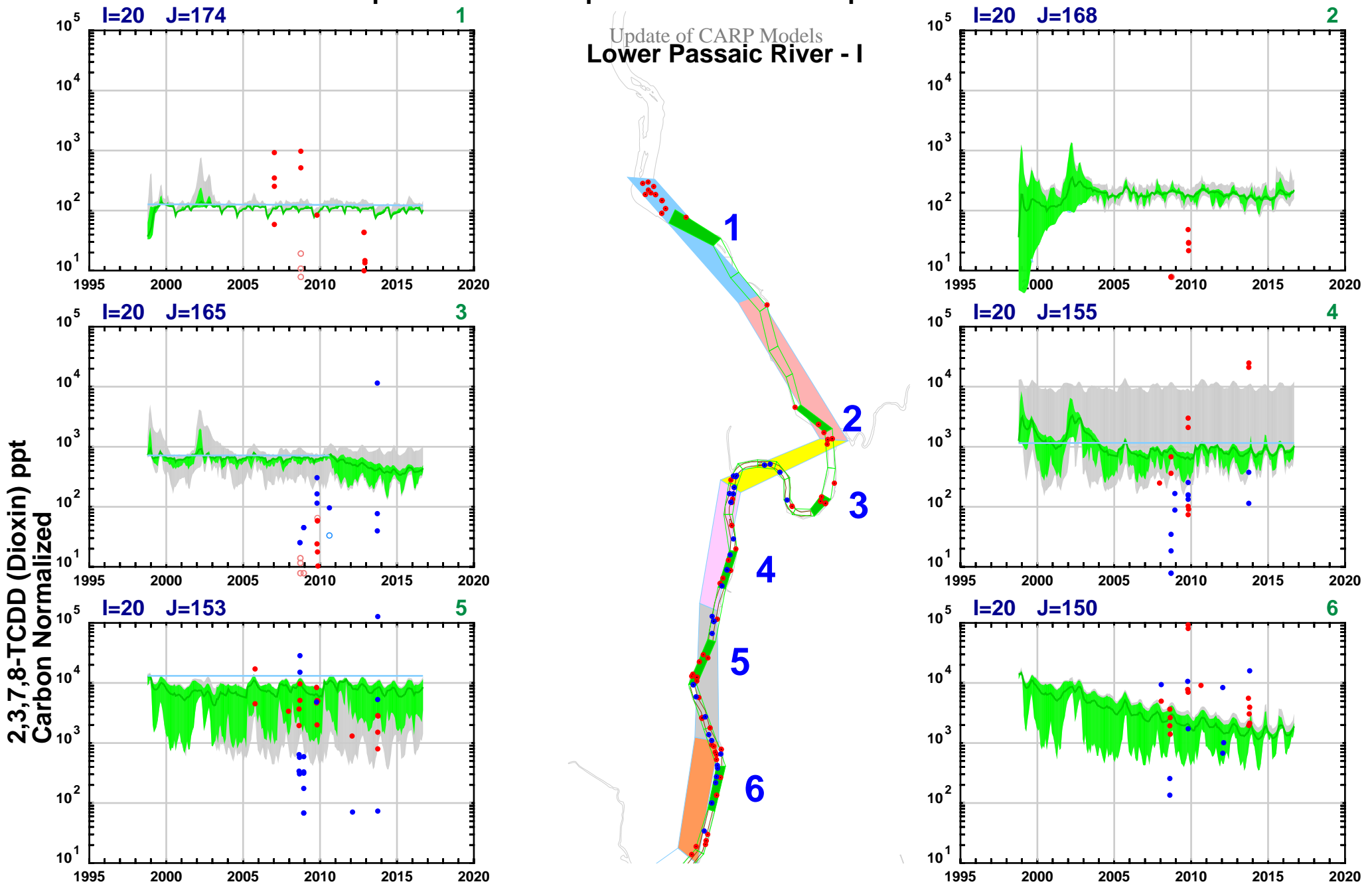
RUN18

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



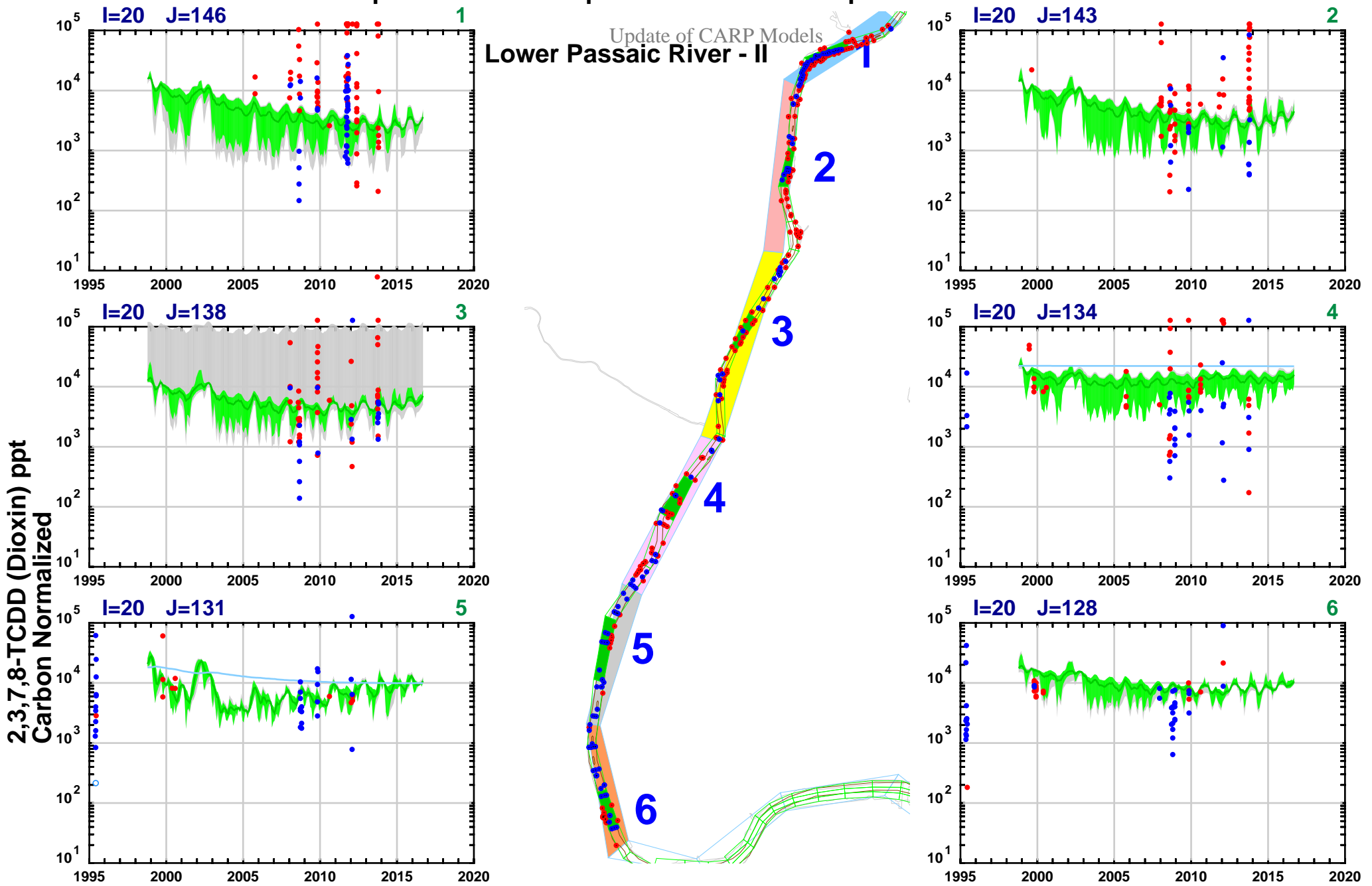
RUN18

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

Update of CARP Models
Lower Passaic River - II



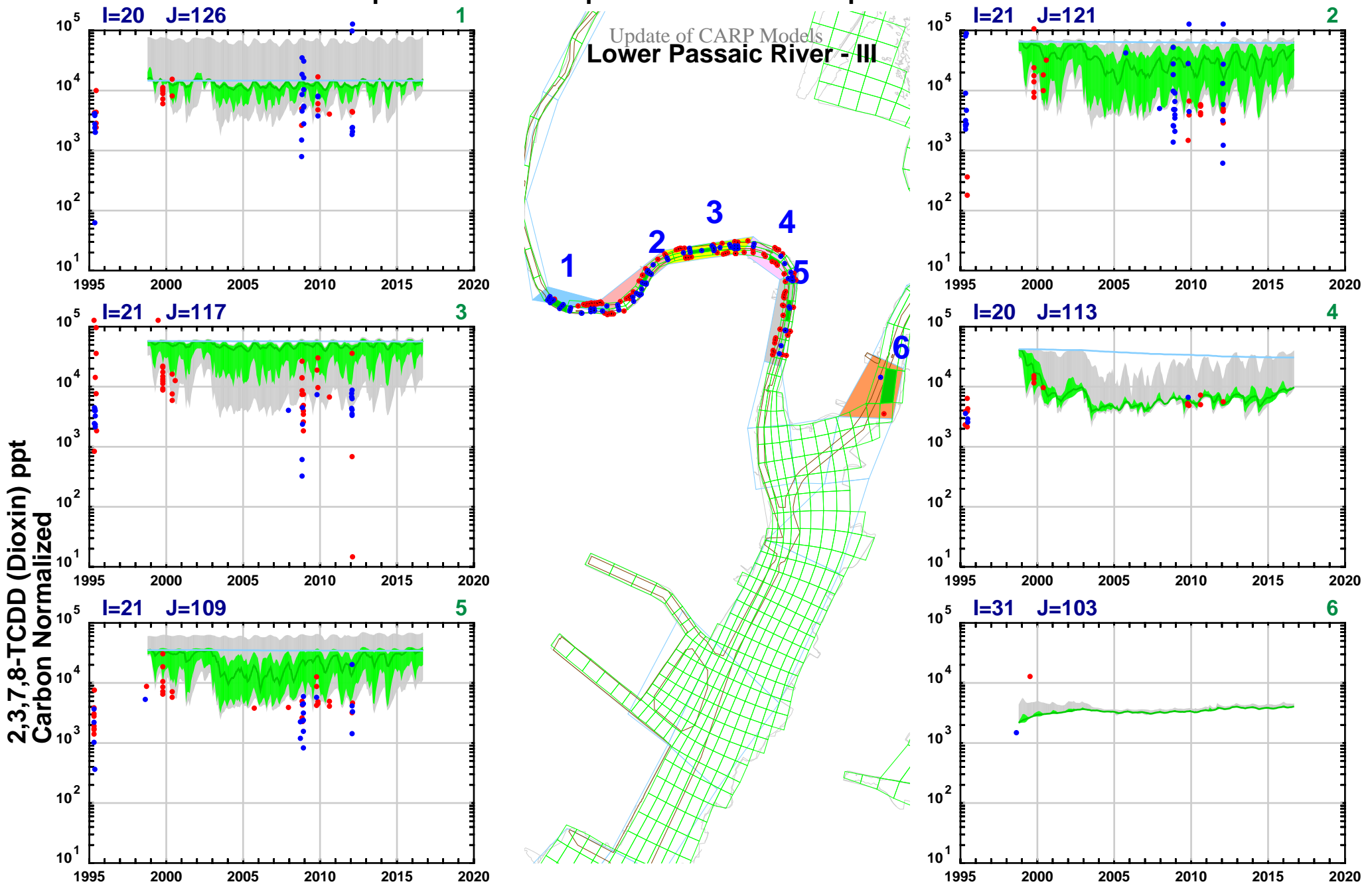
2,3,7,8-TCDD (Dioxin) ppt
Carbon Normalized

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



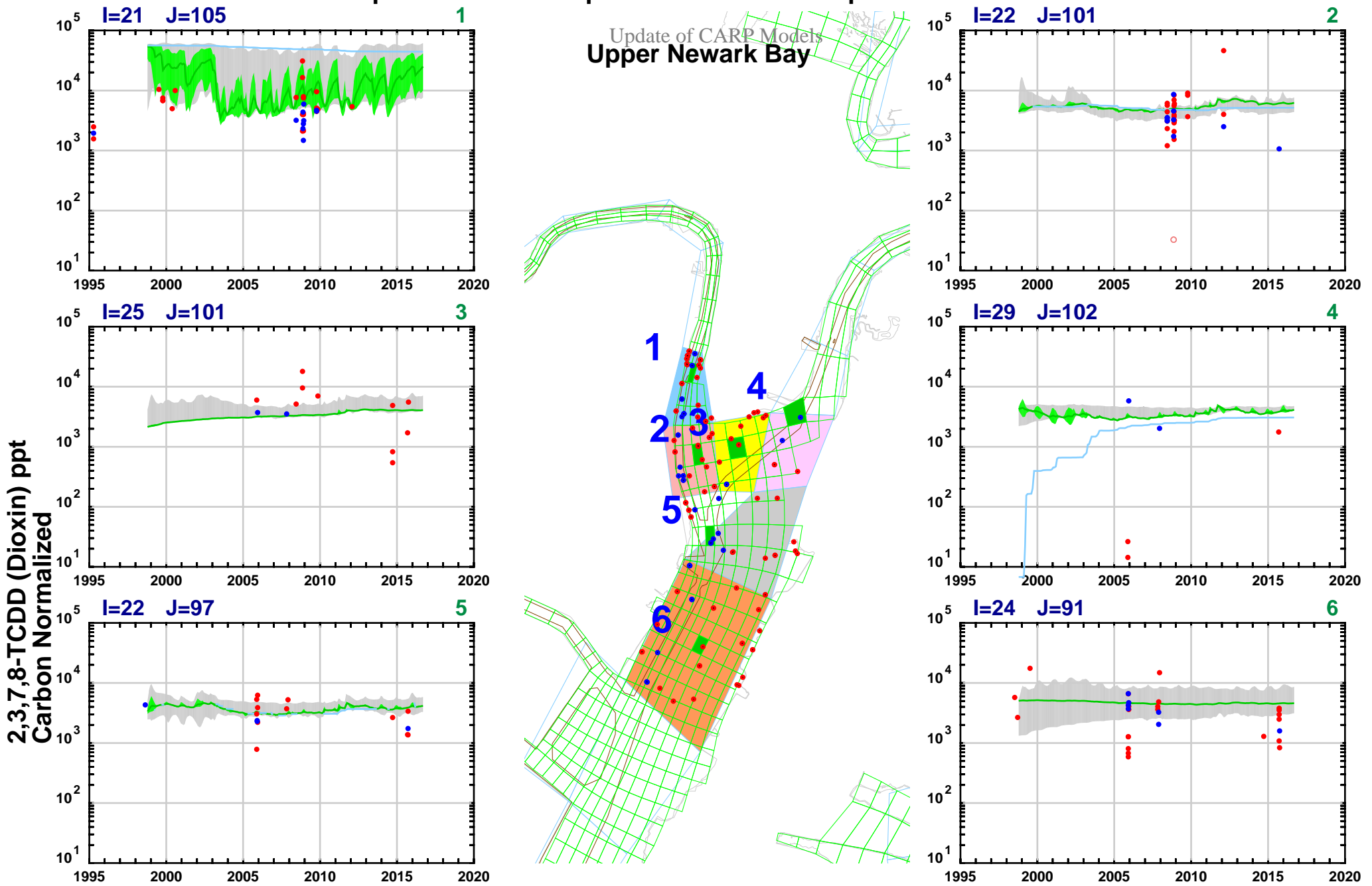
2,3,7,8-TCDD (Dioxin) ppt
Carbon Normalized

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



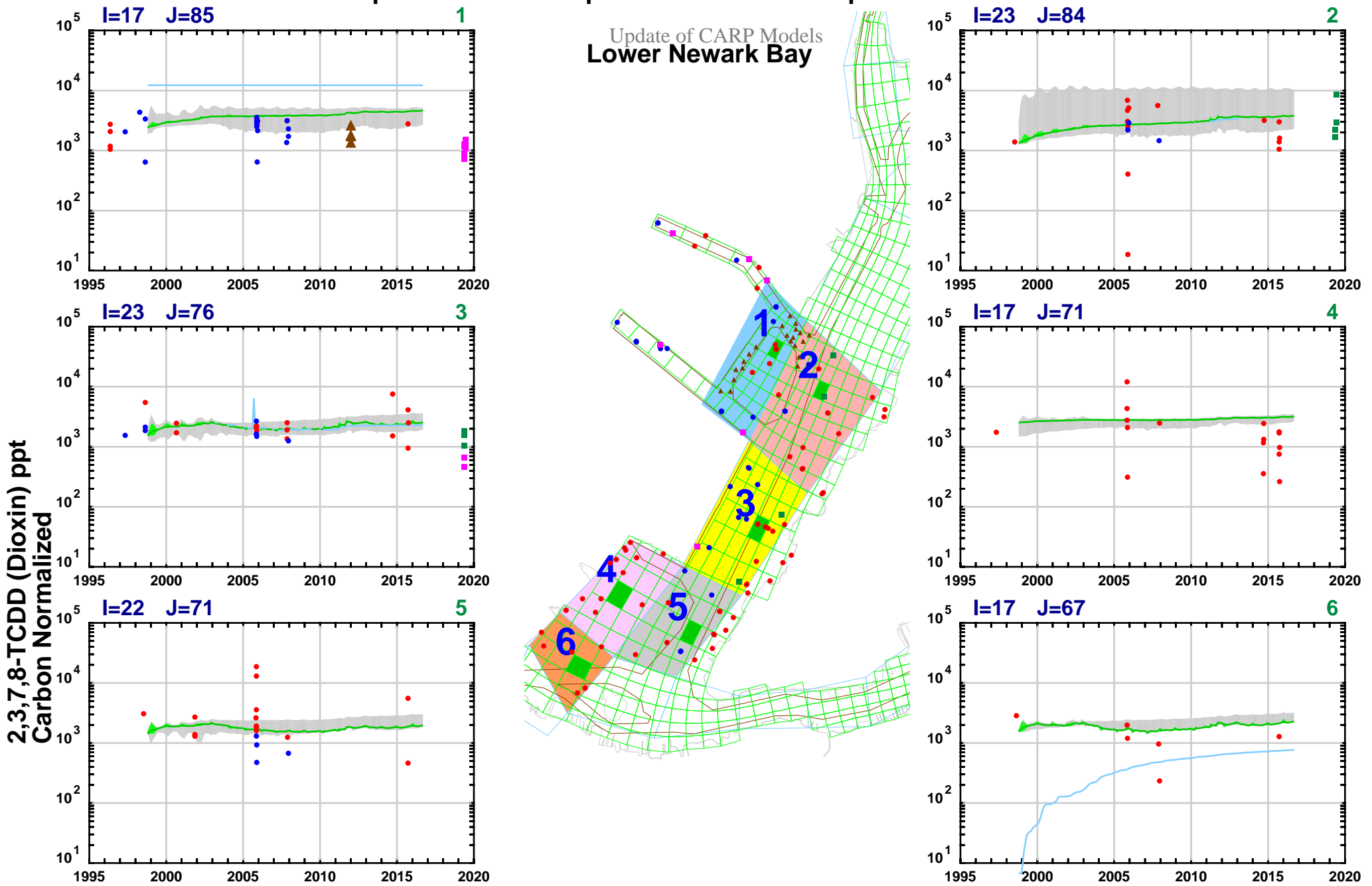
RUN18

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



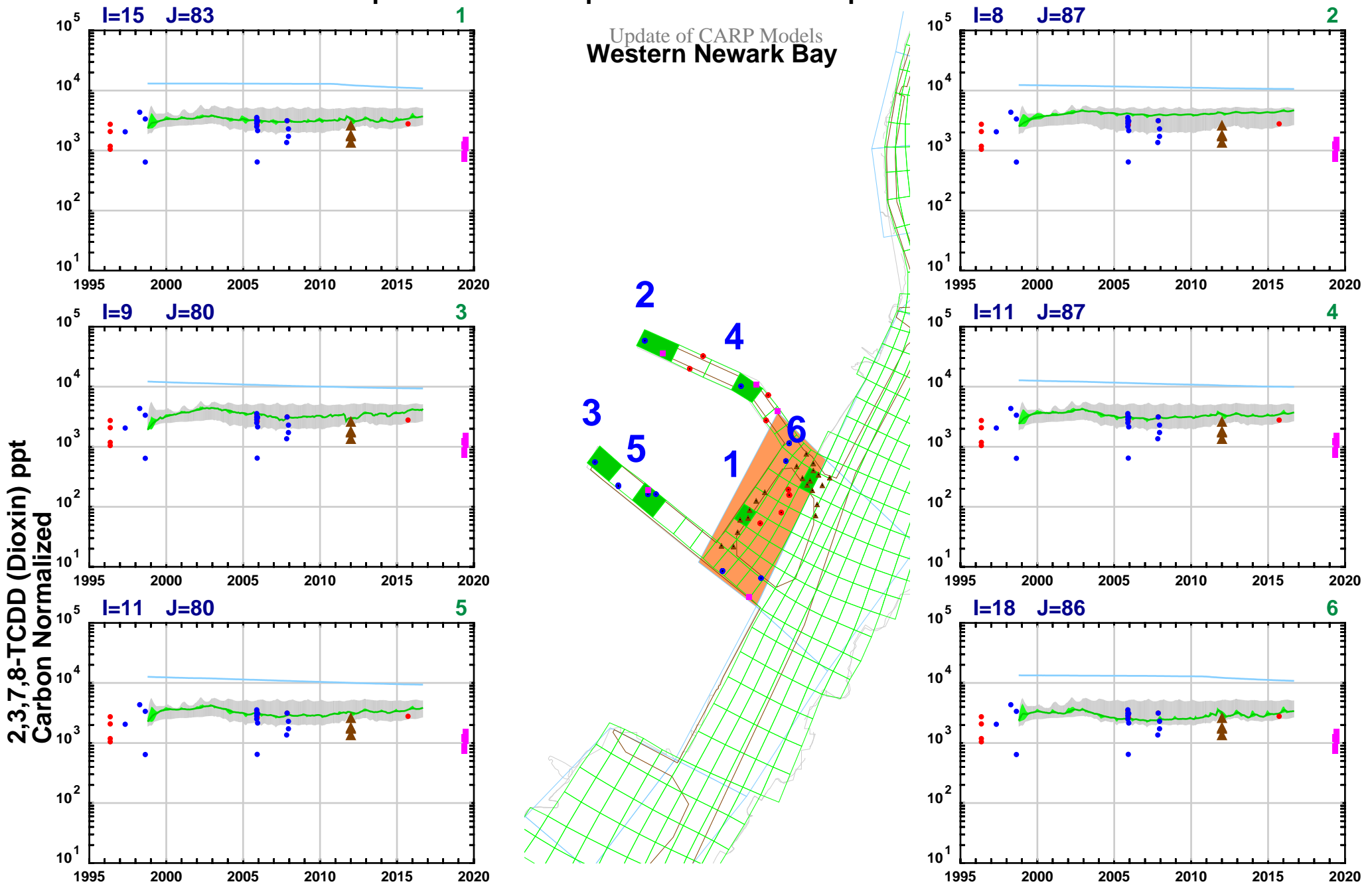
RUN18

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



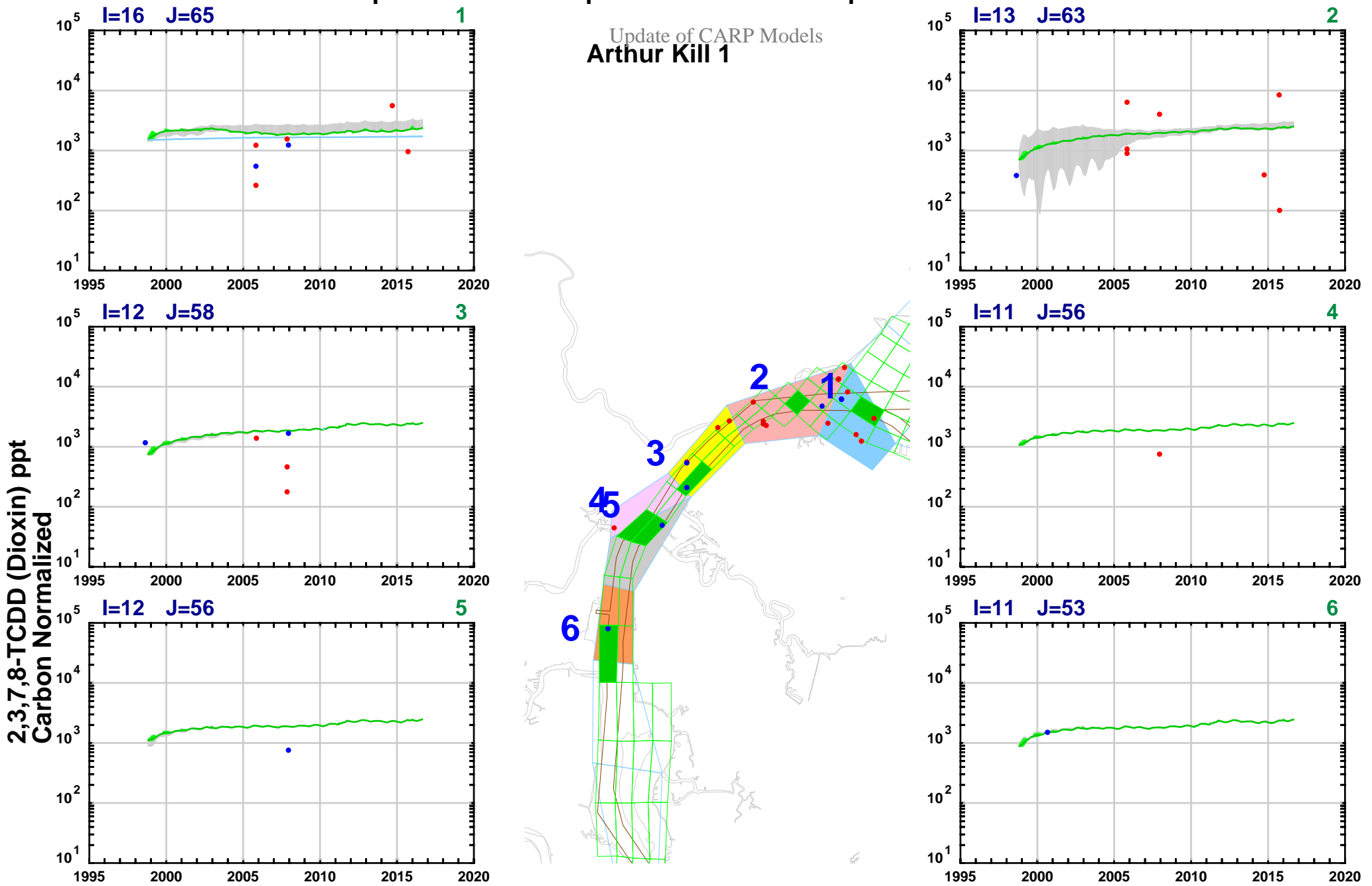
RUN18

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

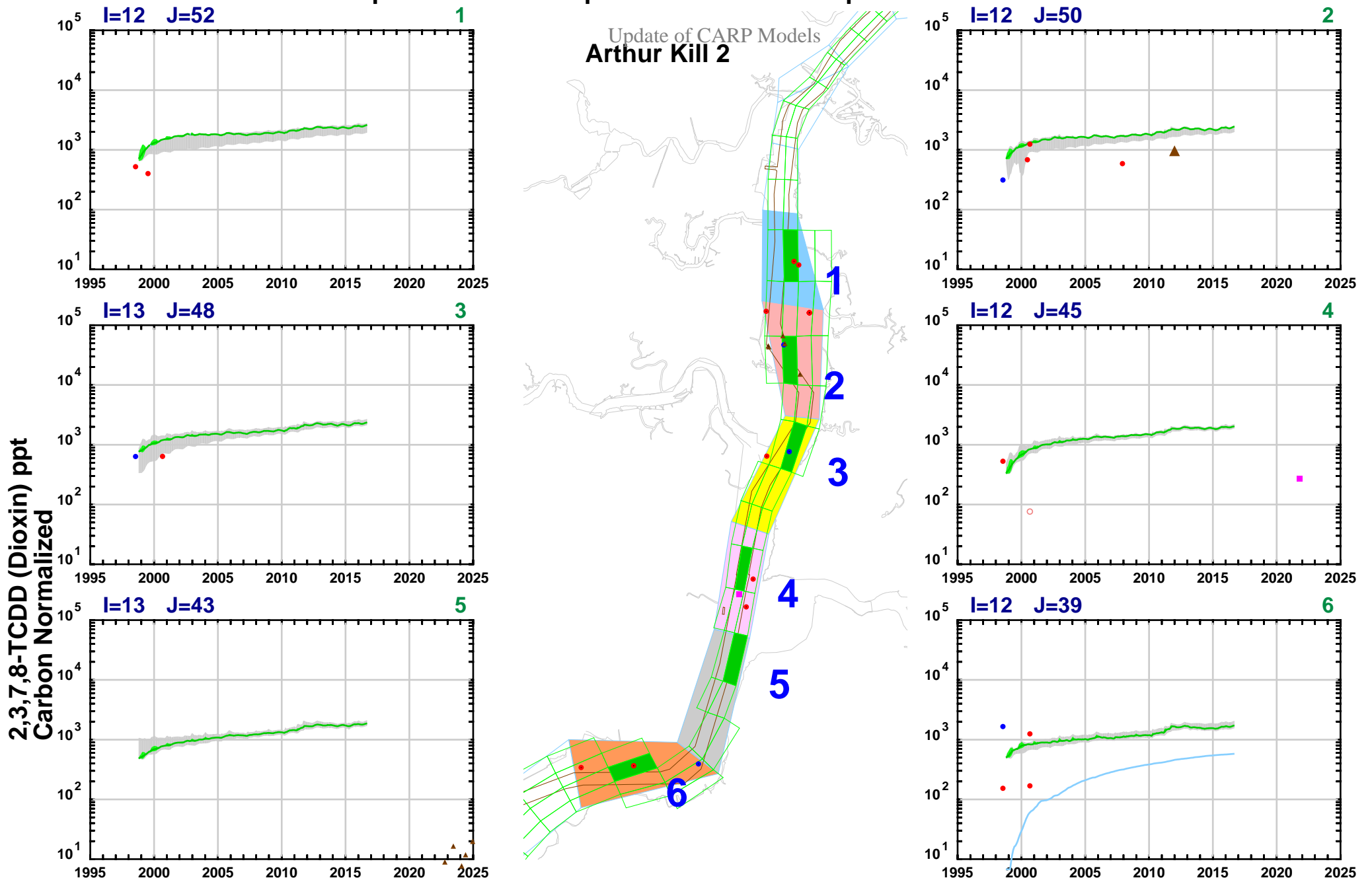


RUN18

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

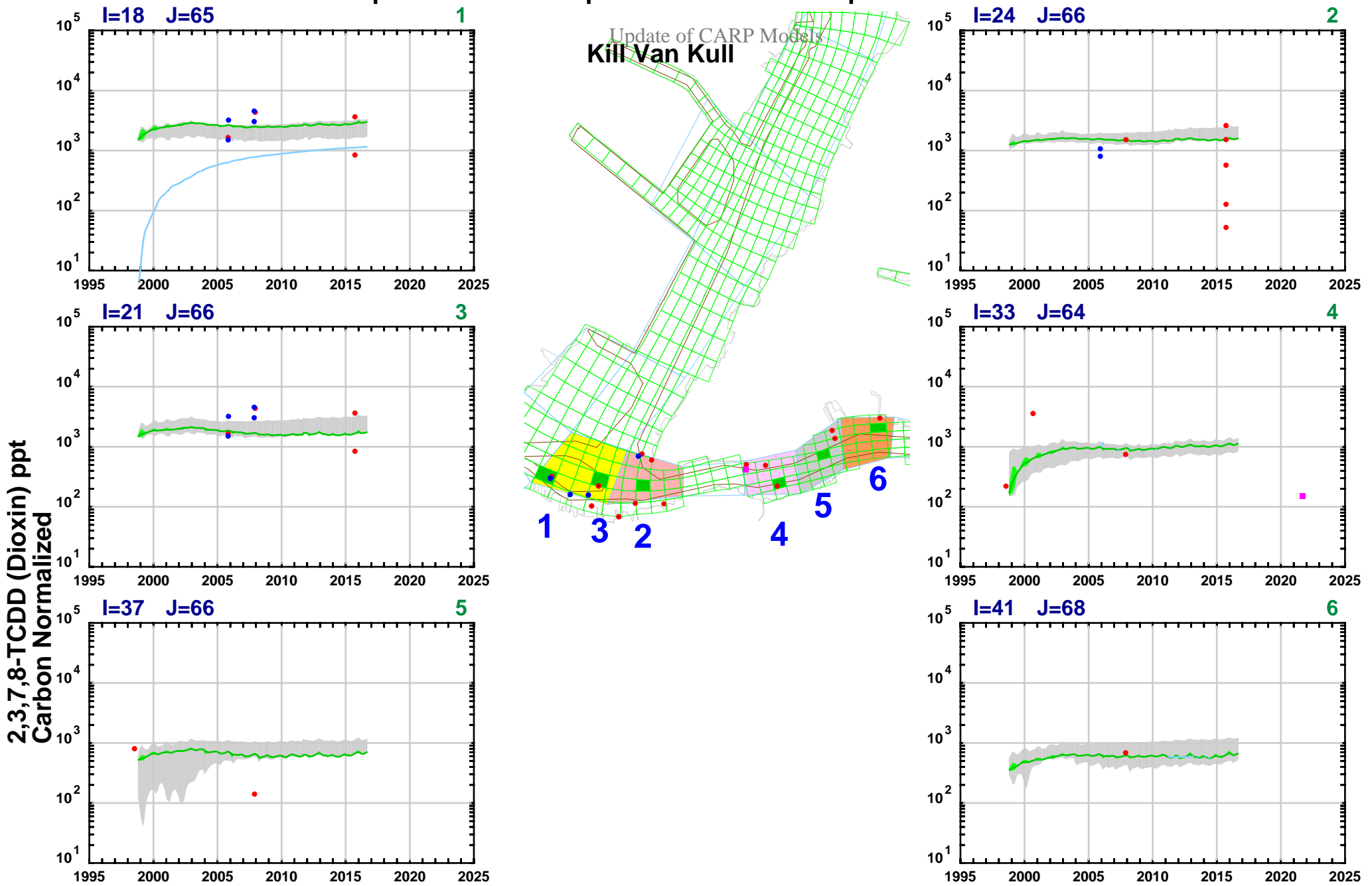


RUN18

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

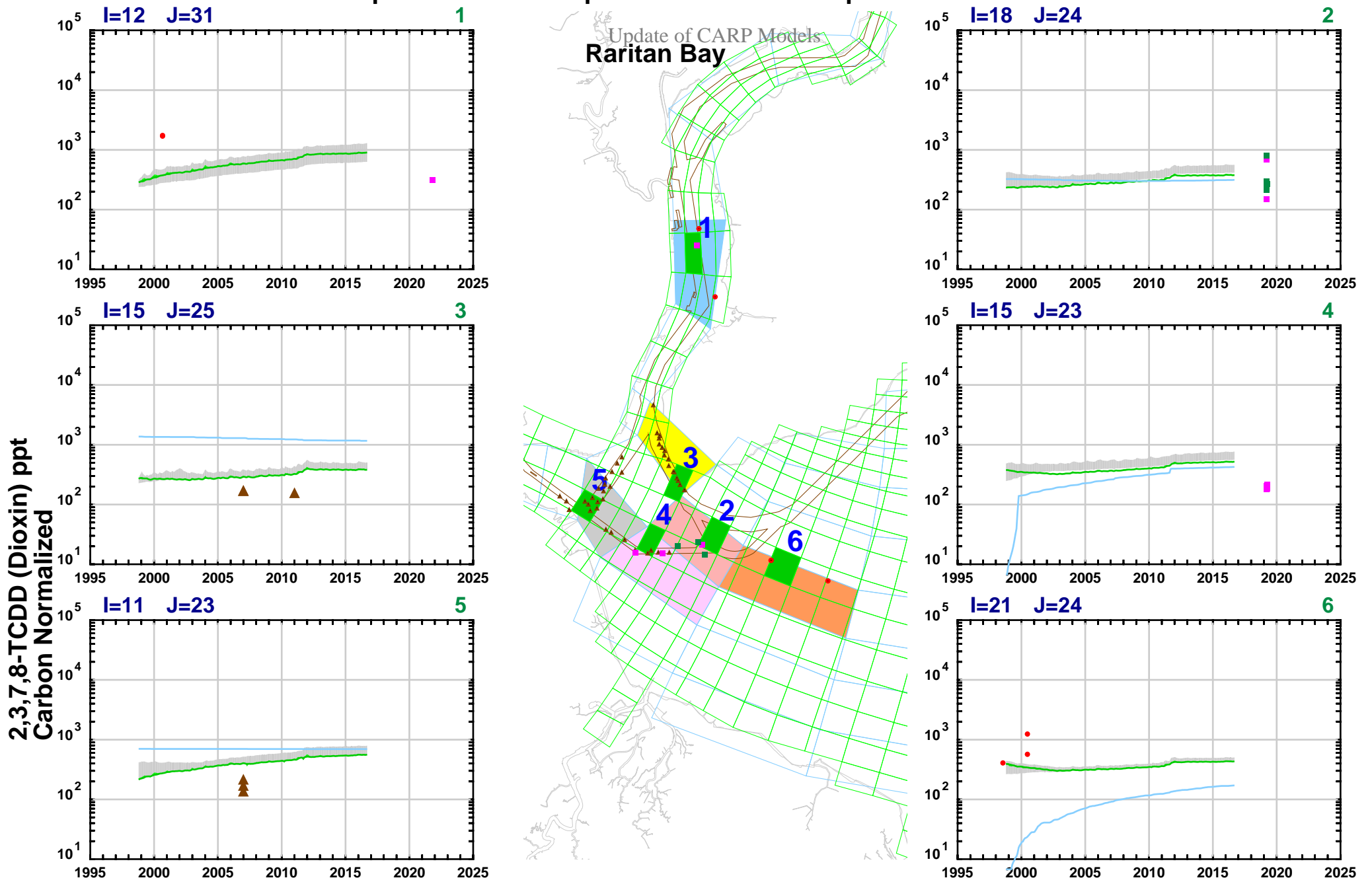


RUN18

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

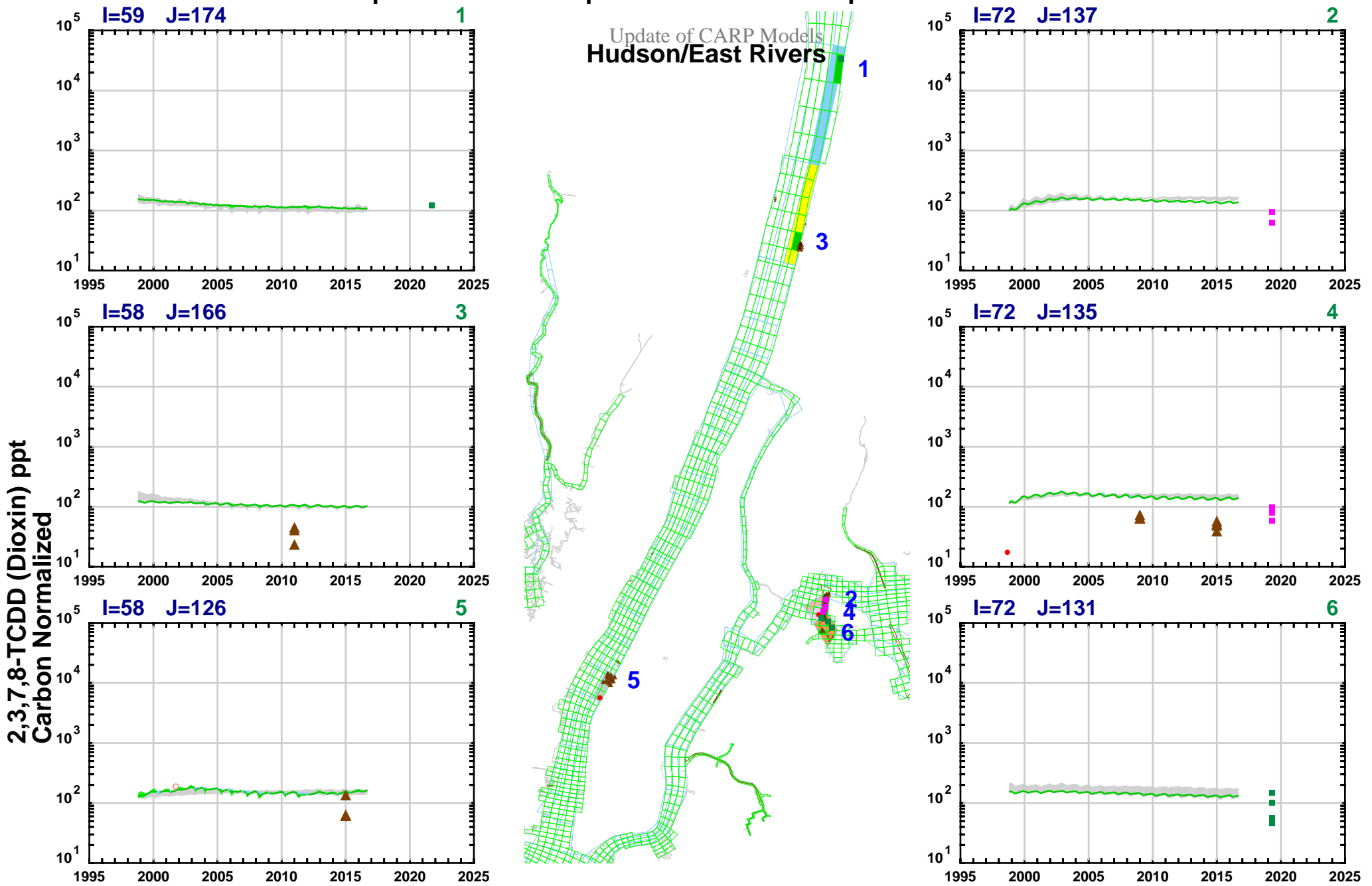


RUN18

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

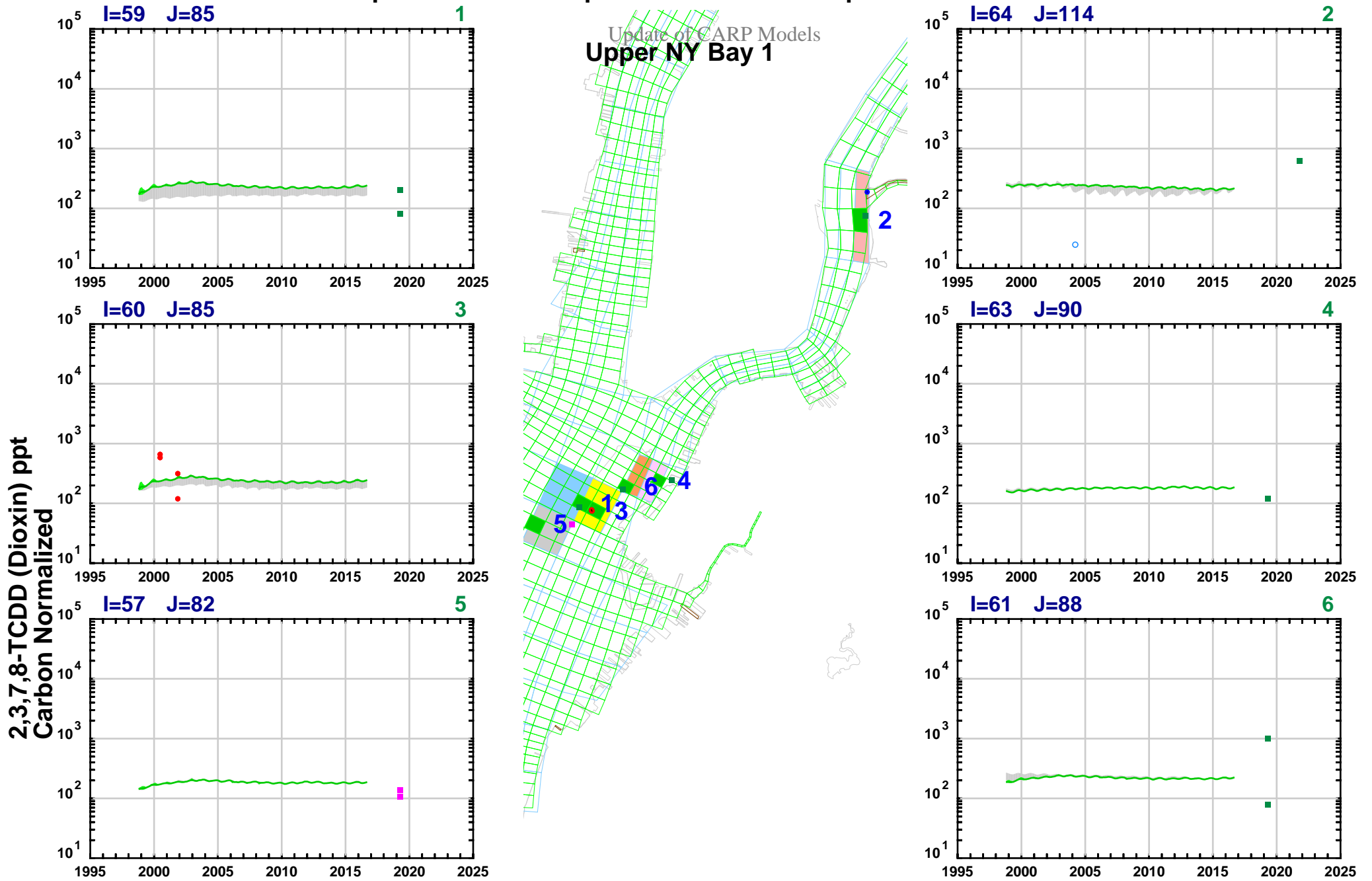


RUN18

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

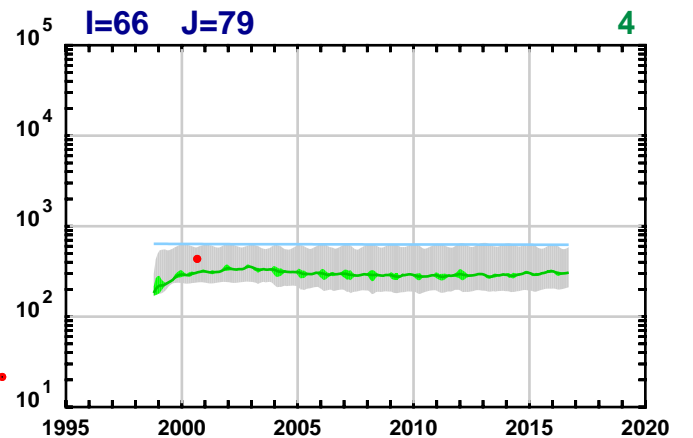
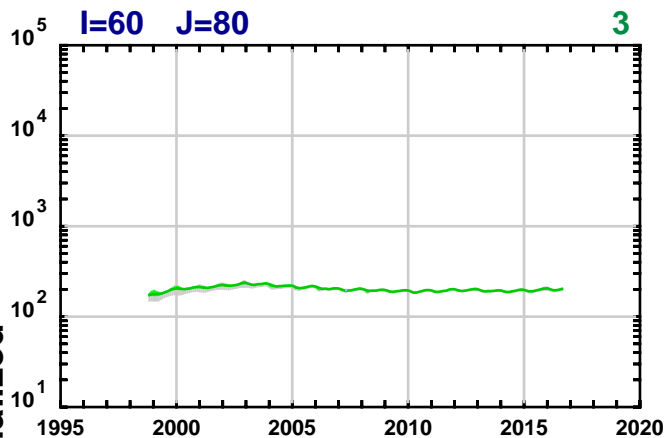
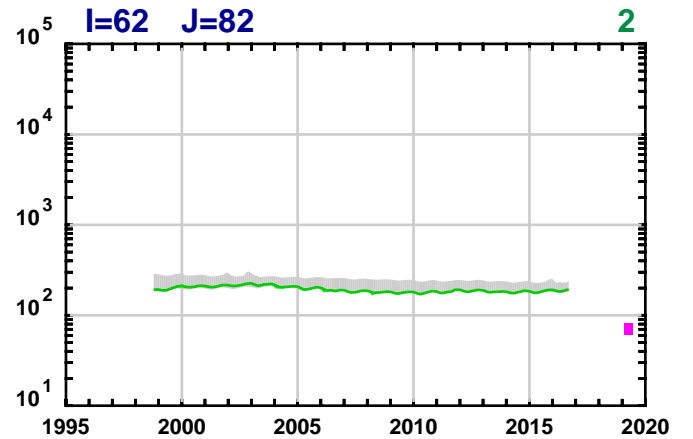
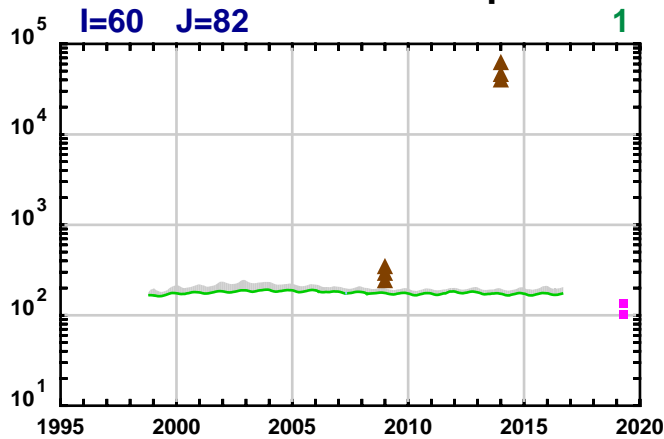
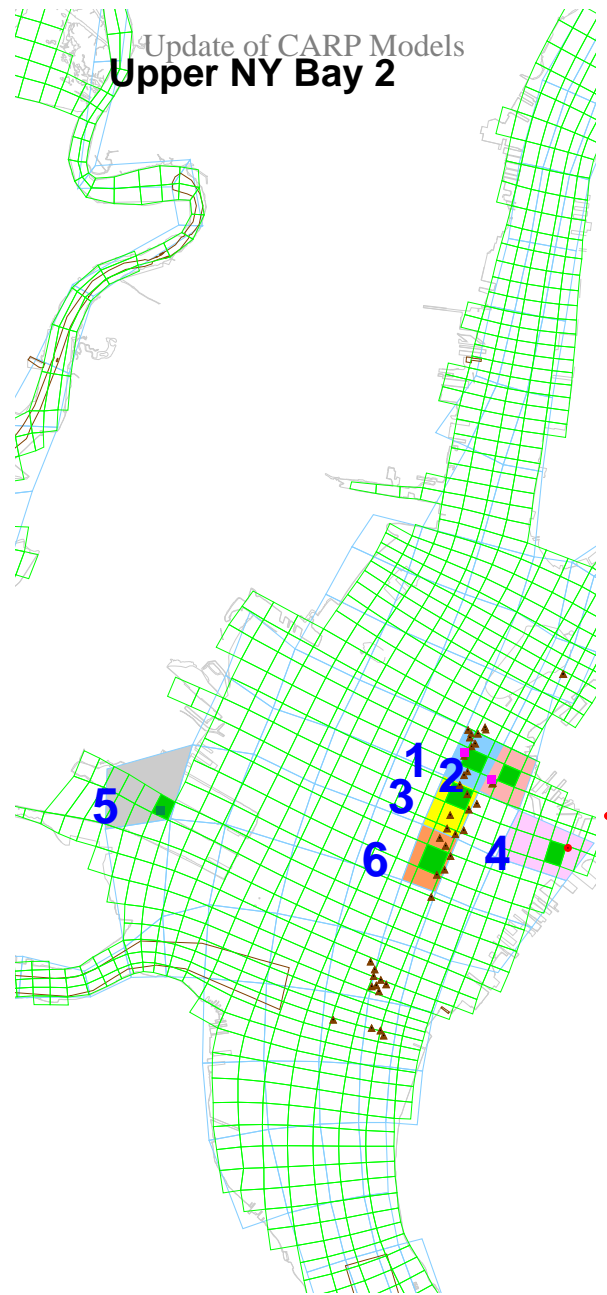


RUN18

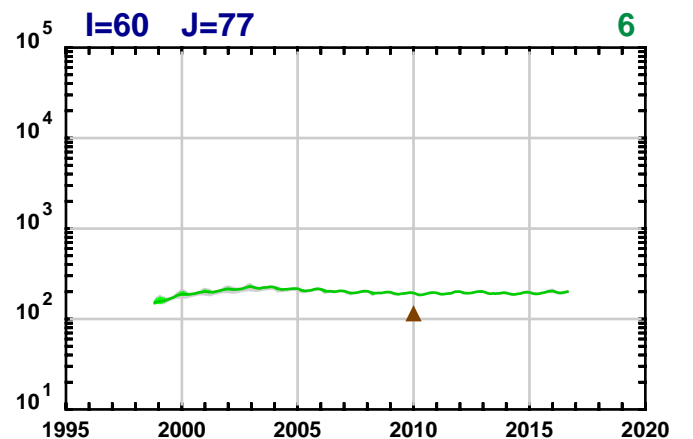
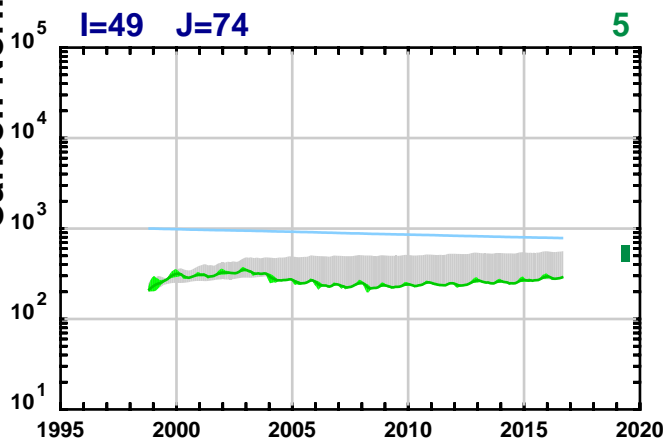
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● 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



2,3,7,8-TCDD (Dioxin) ppt
Carbon Normalized

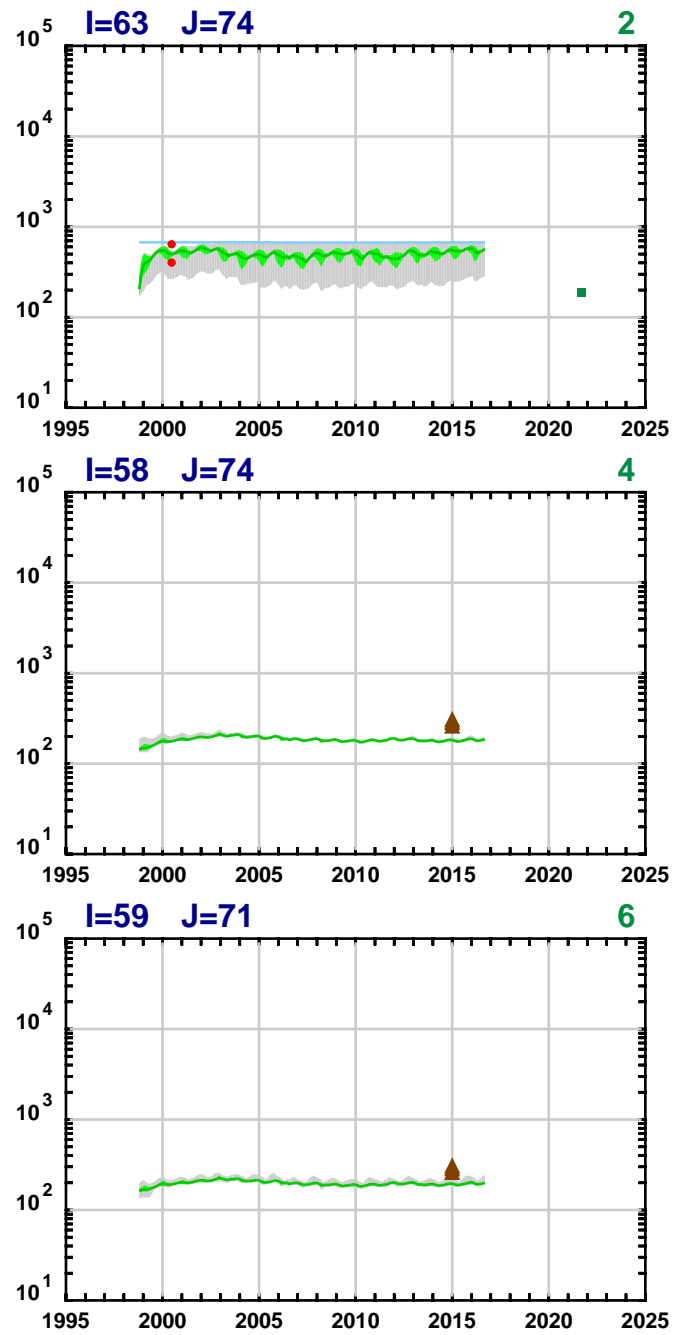
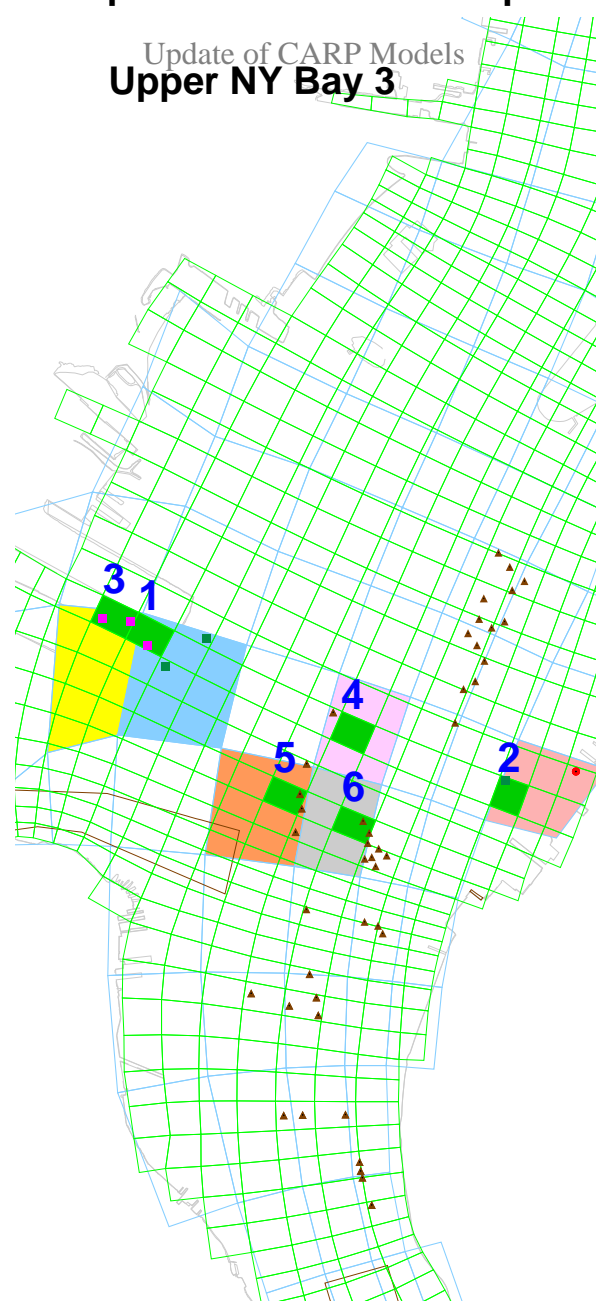
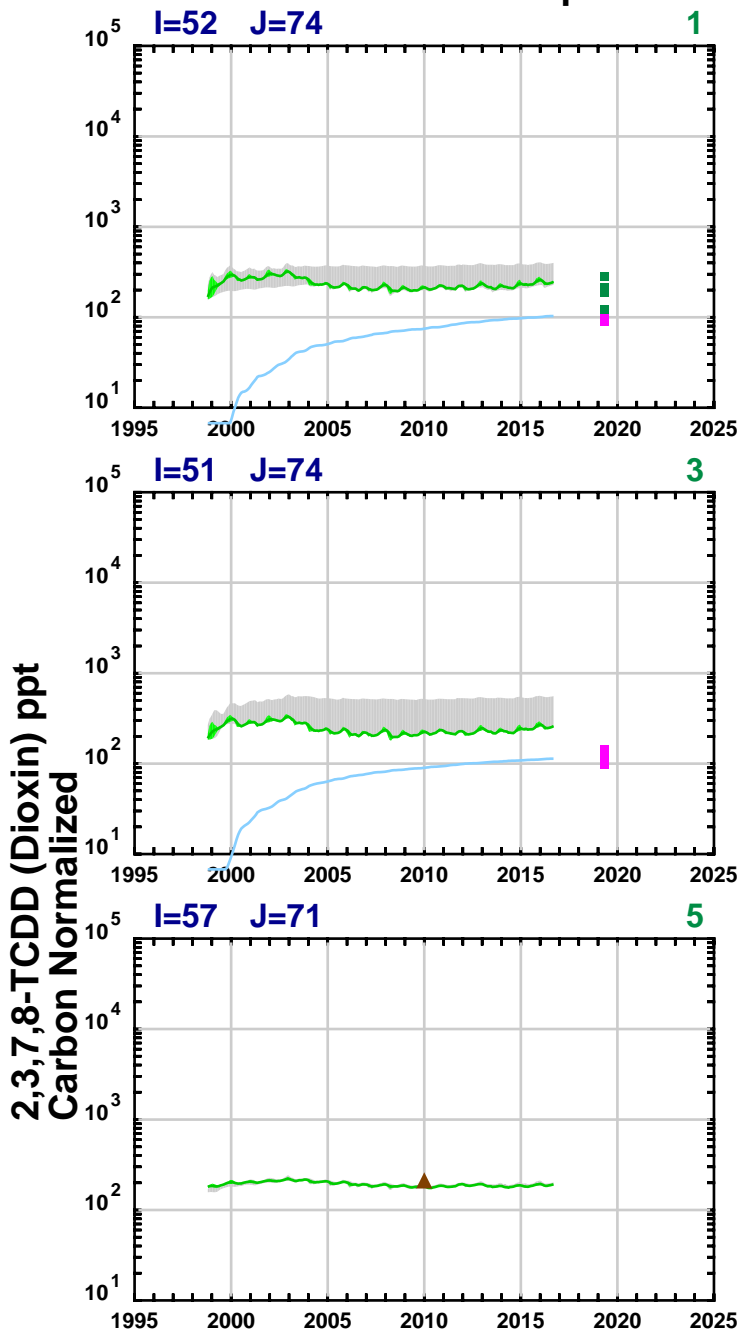


RUN18

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

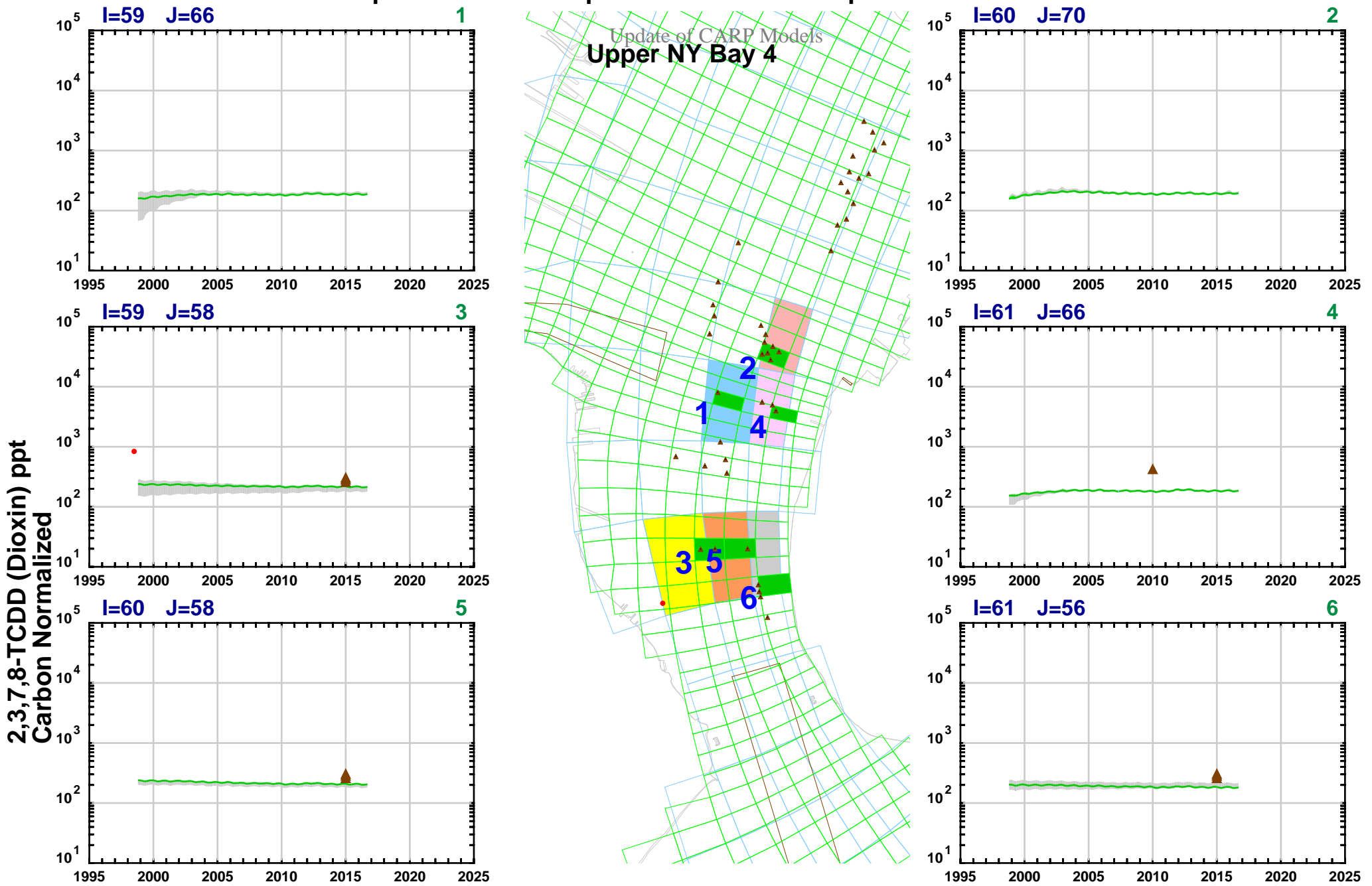


RUN18

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

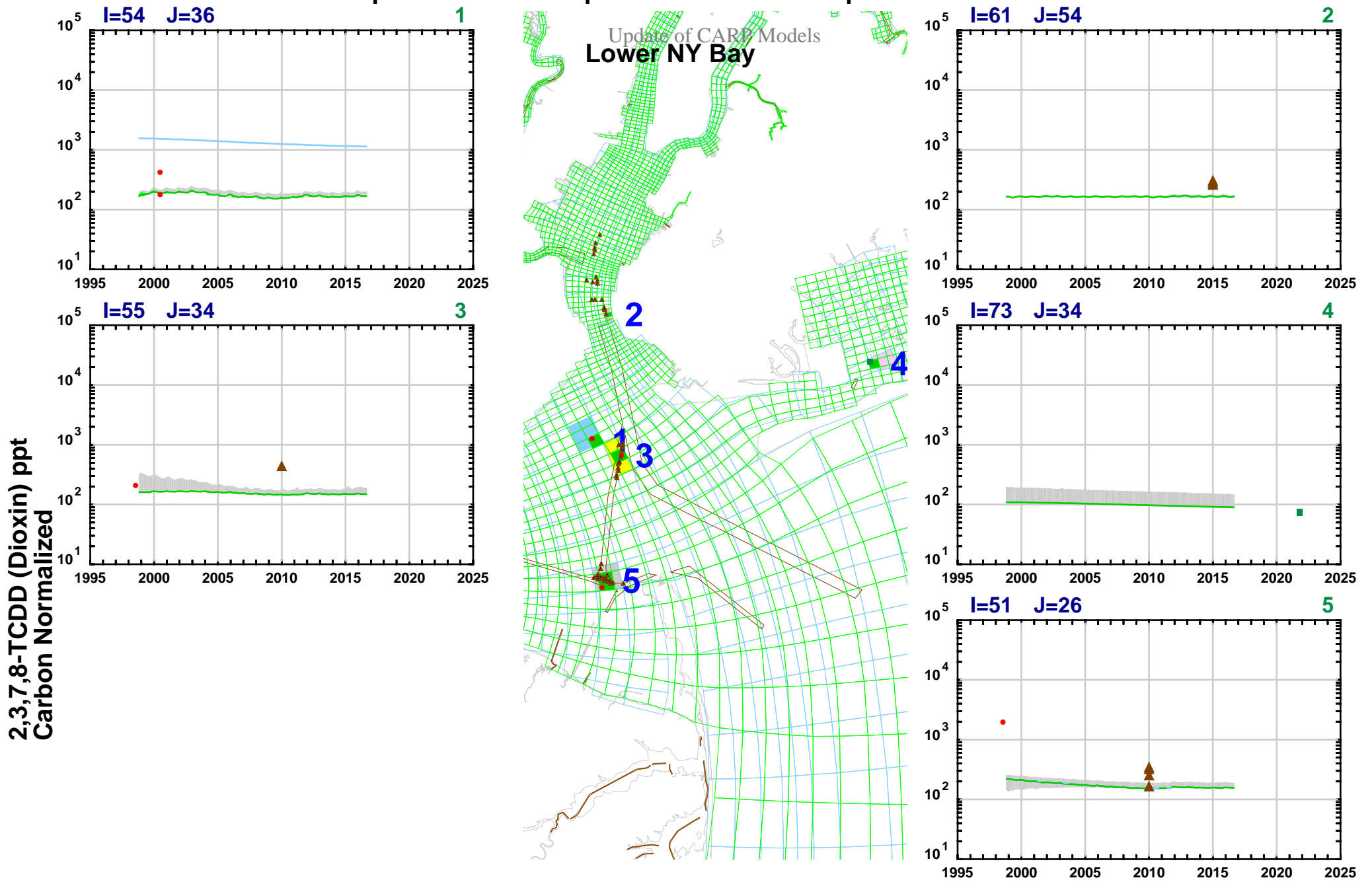


RUN18

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



2,3,7,8-TCDD (Dioxin) ppt
Carbon Normalized

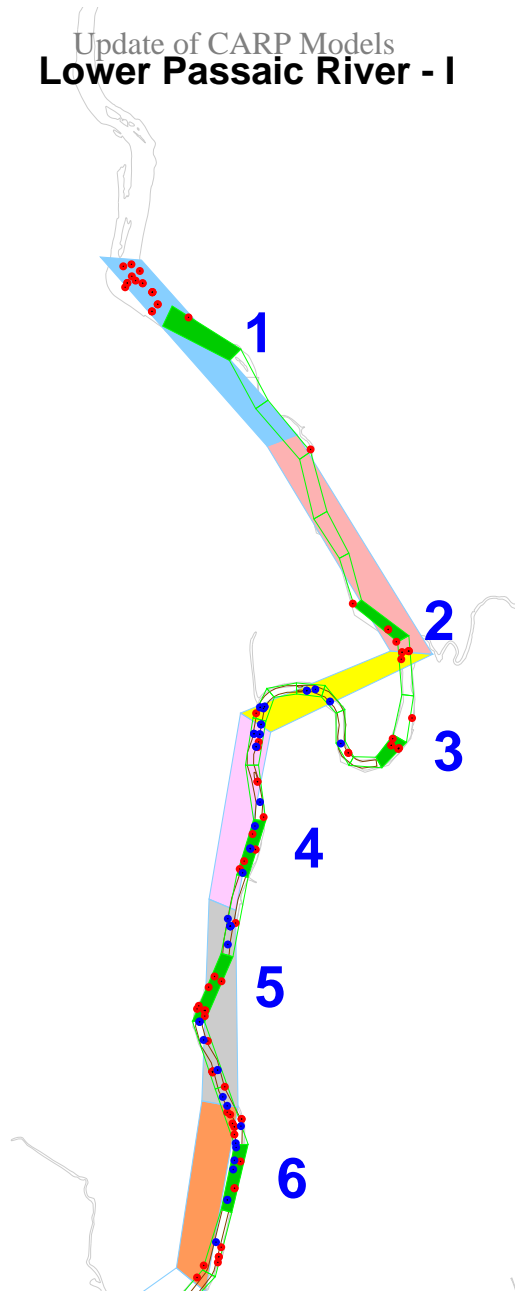
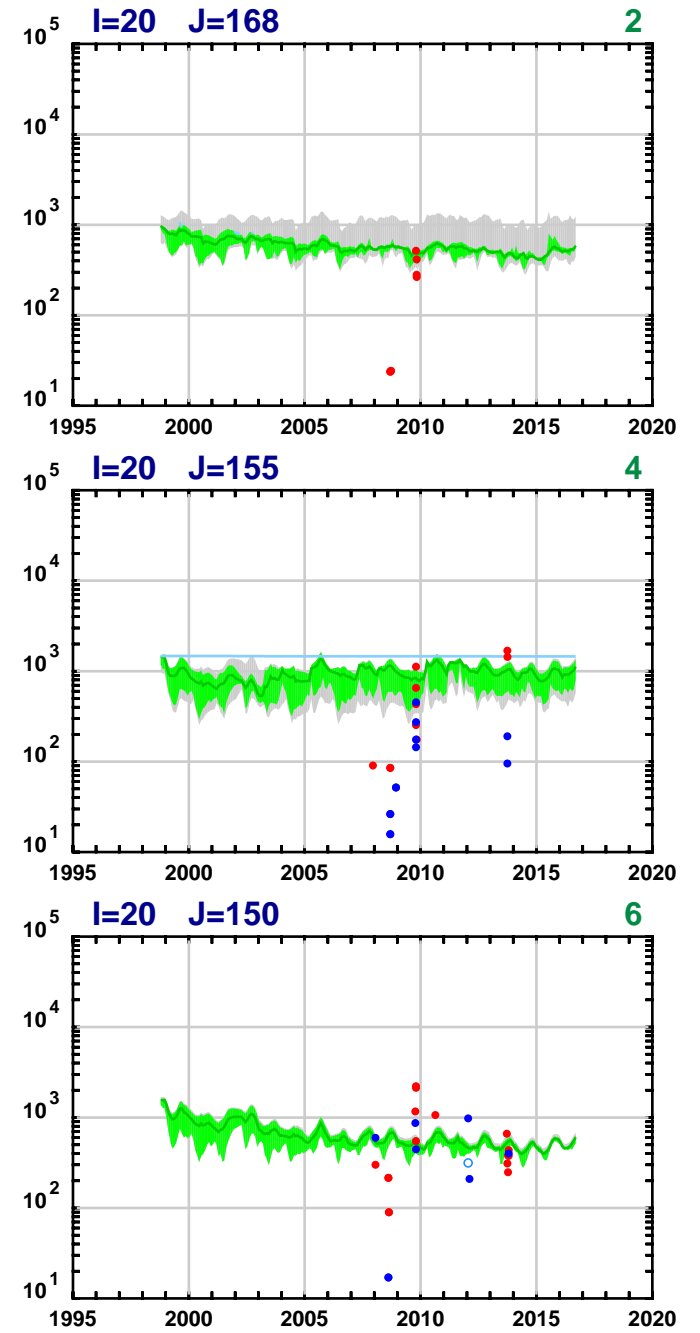
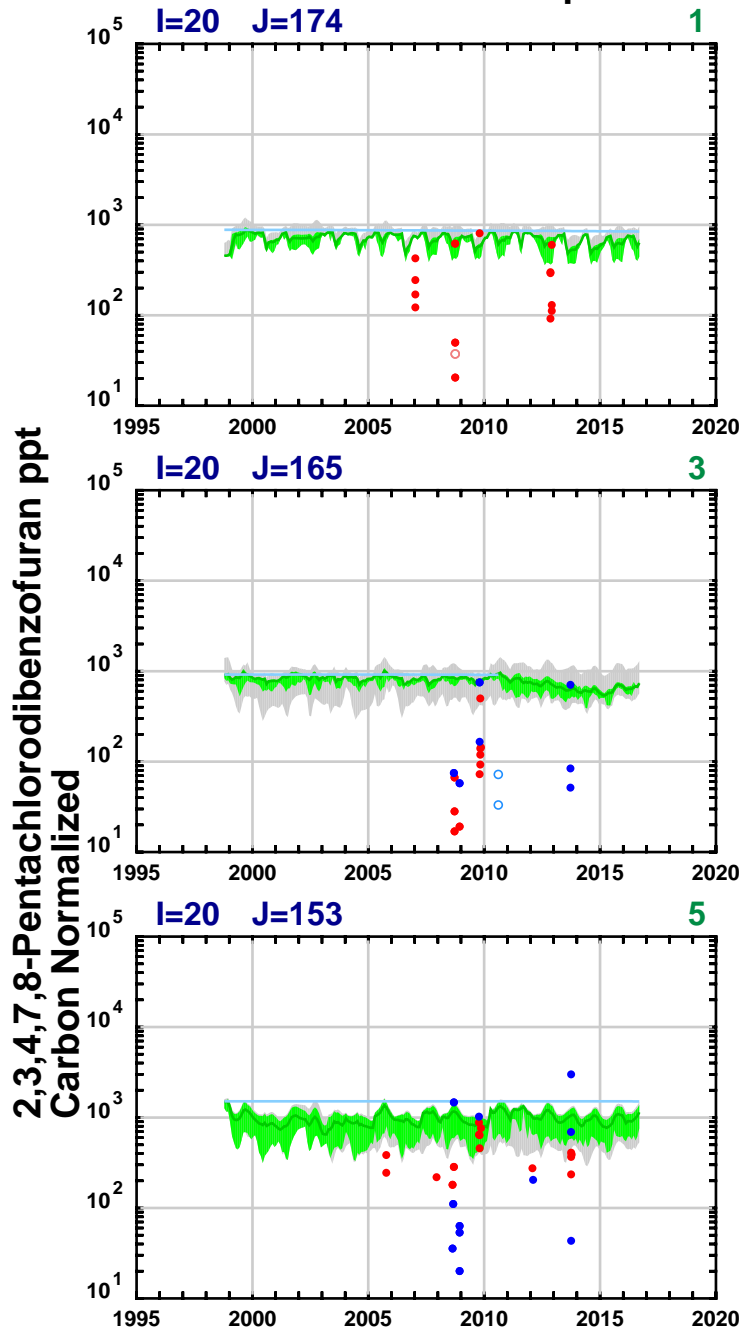
RUN18

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
 ■ CAPP2 In-channel ■ CAPP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

Update of CARP Models
Lower Passaic River - I

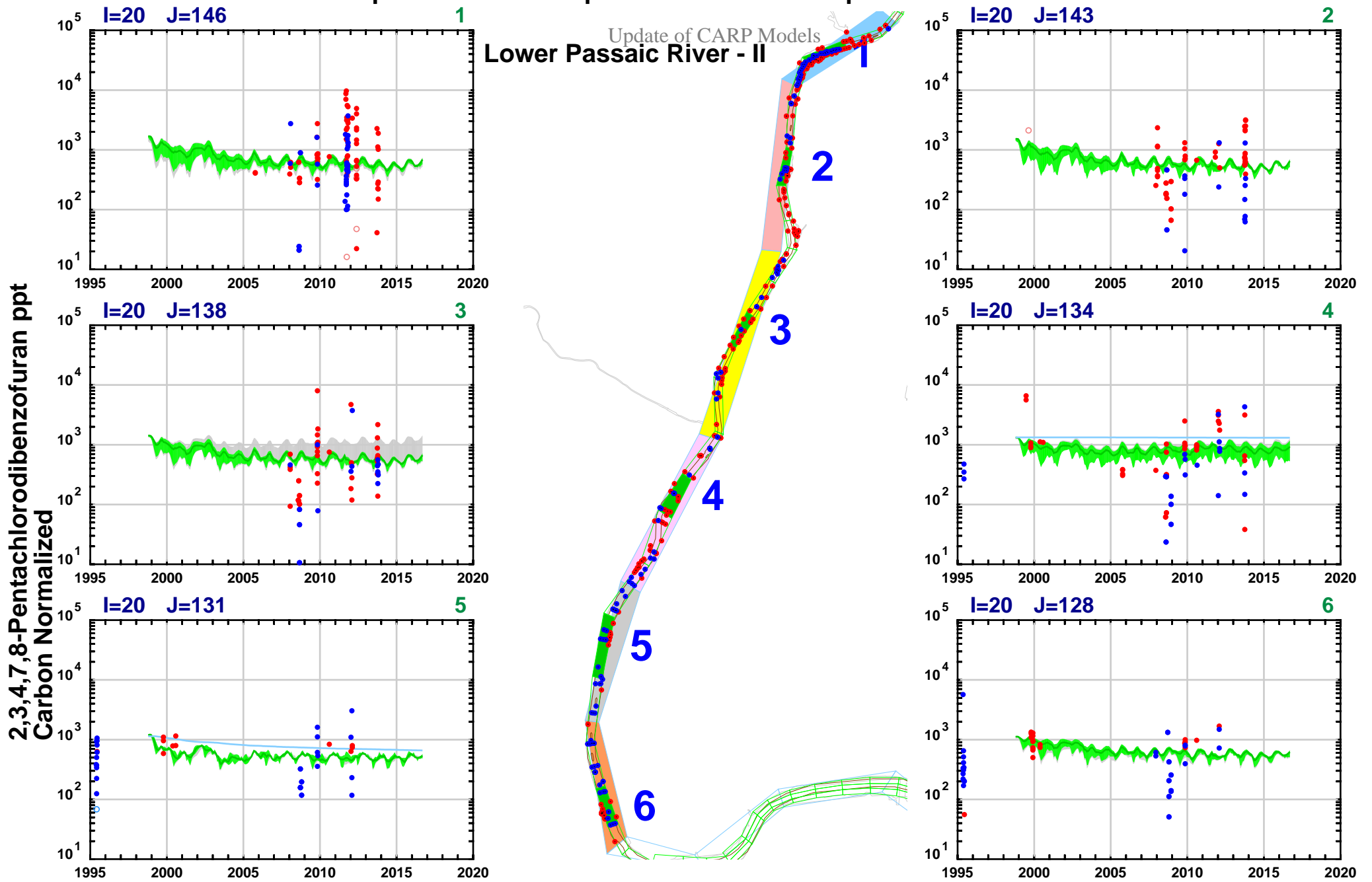


RUN18

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

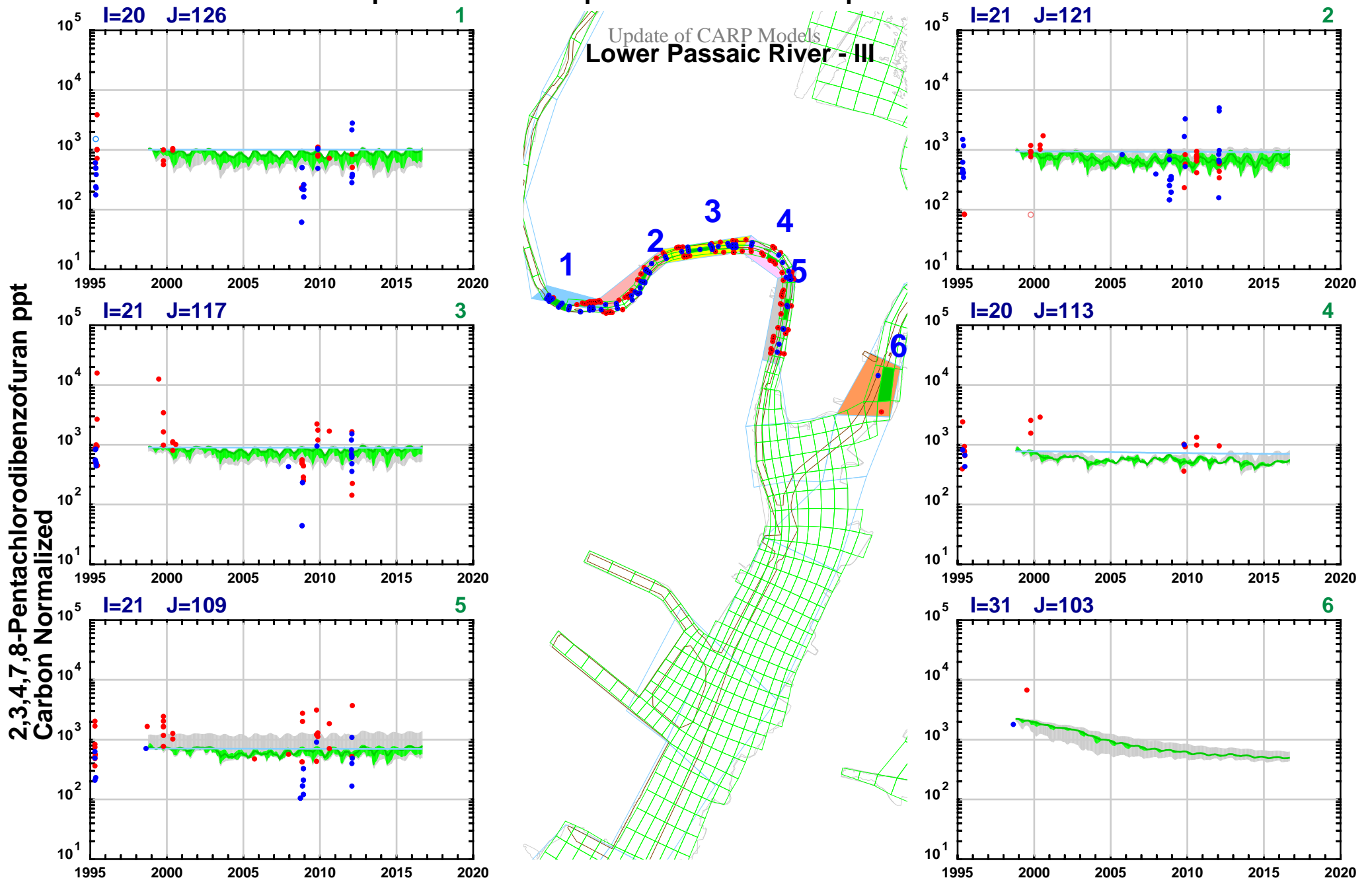


RUN18

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

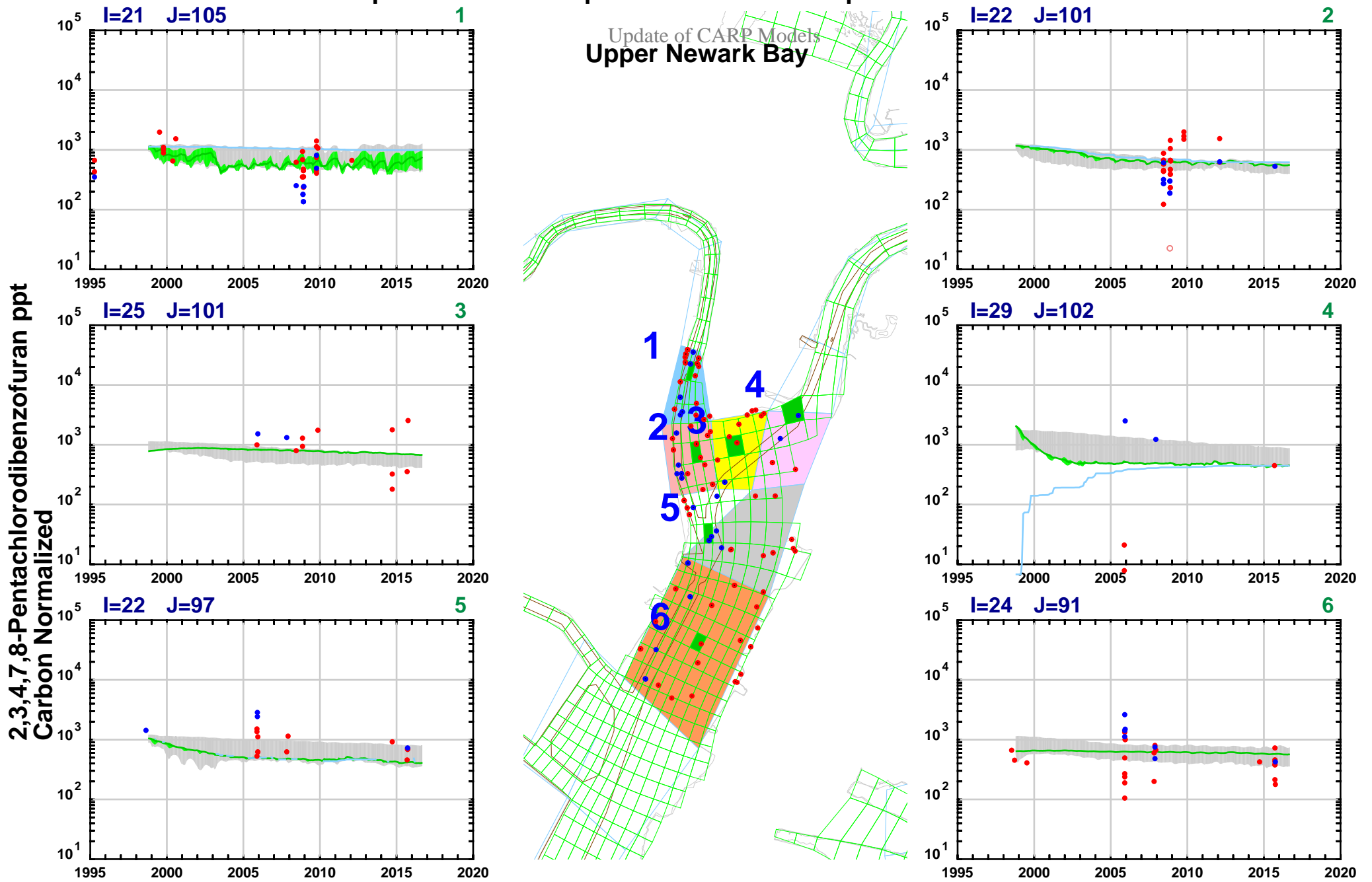


RUN18

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



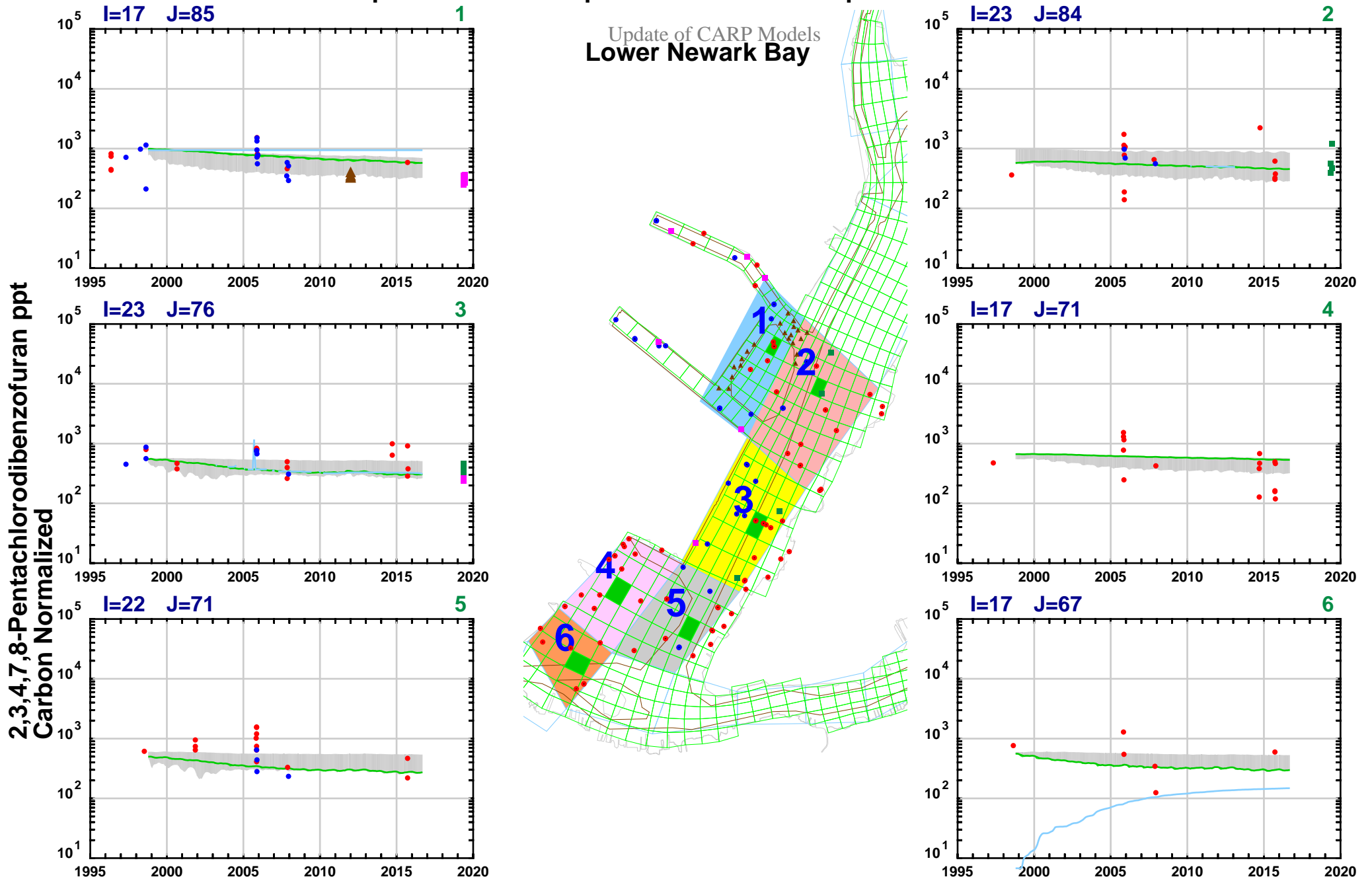
RUN18

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



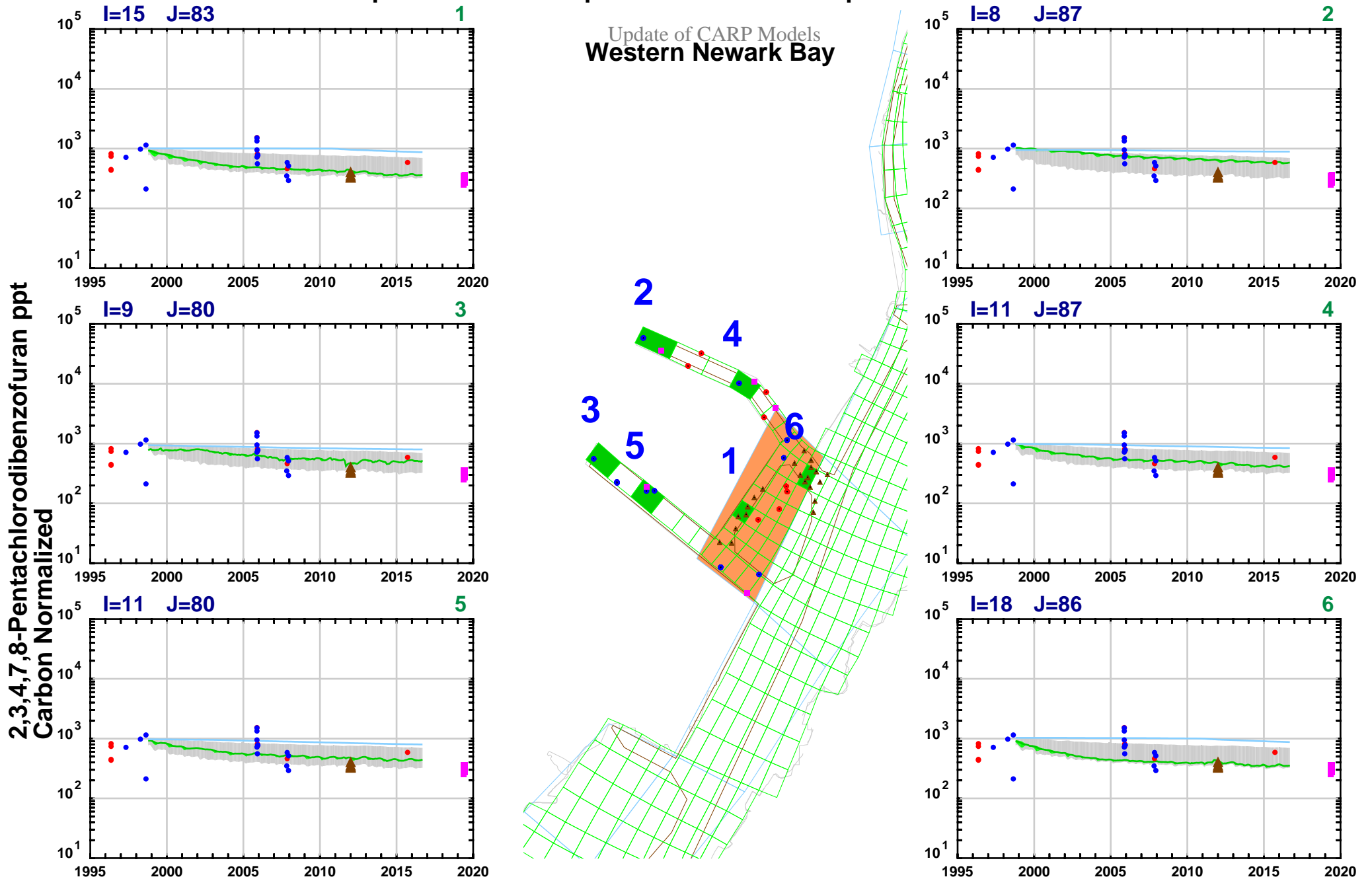
RUN18

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

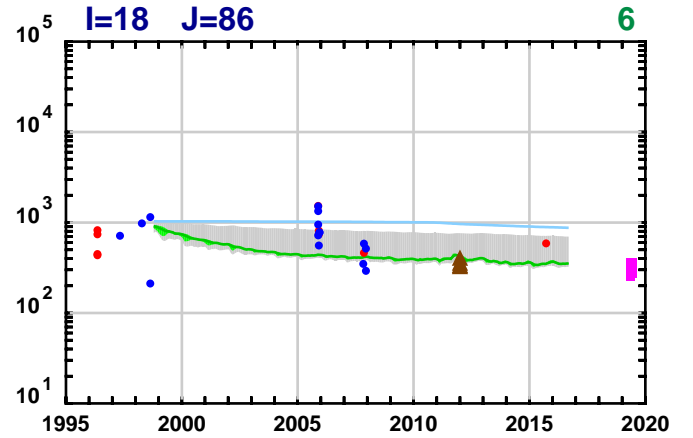
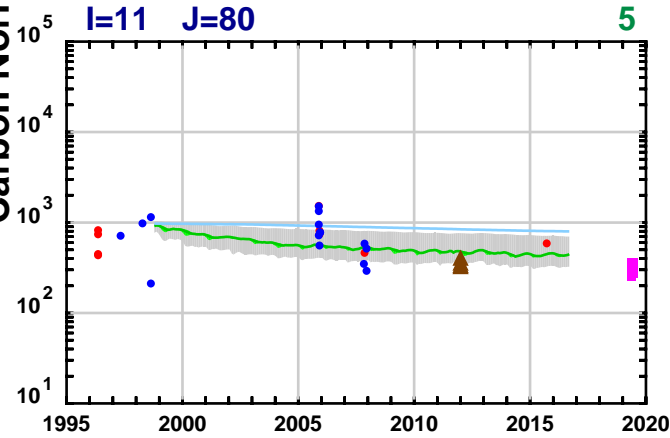
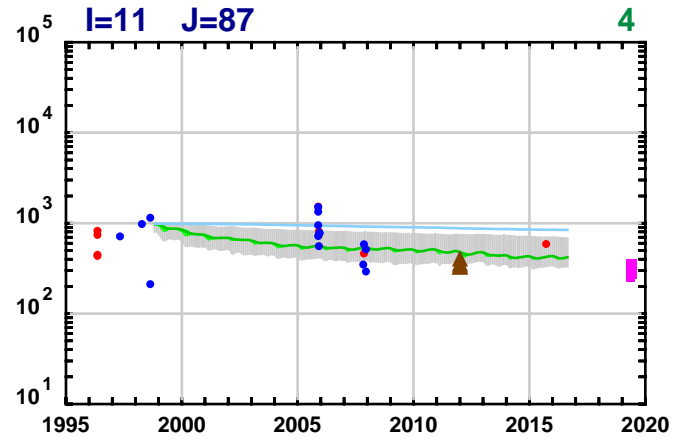
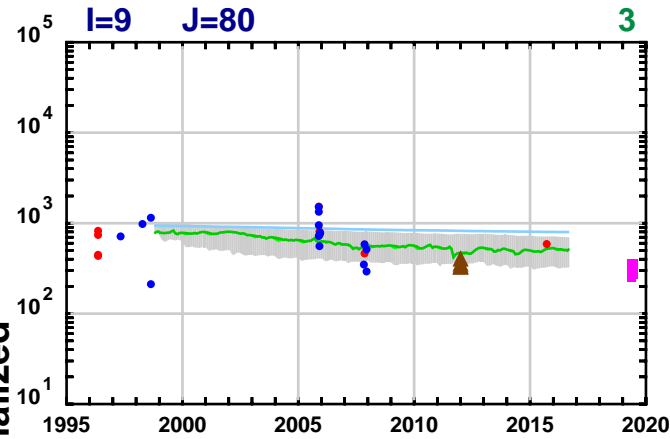
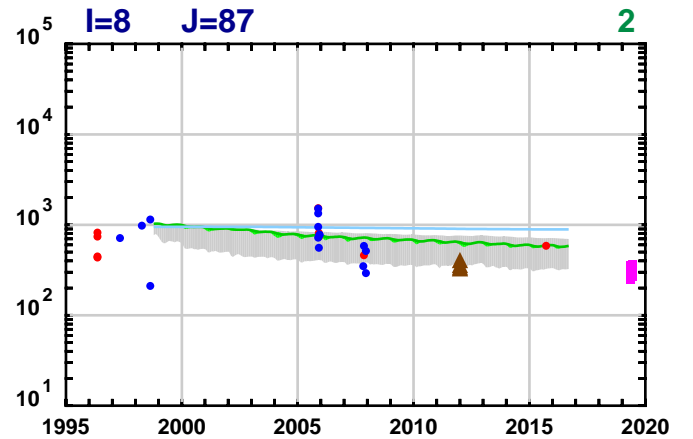
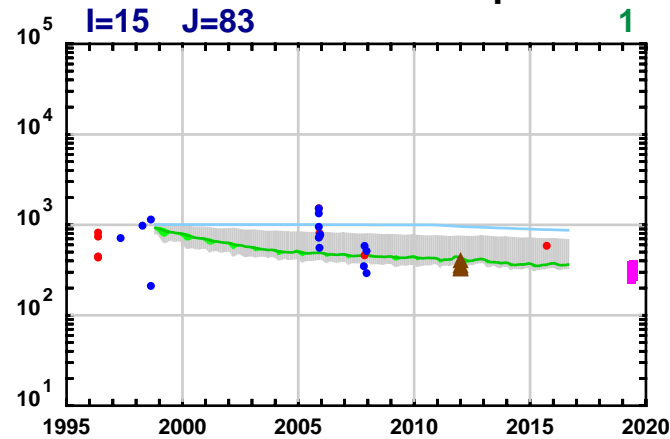
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

Update of CARP Models
Western Newark Bay



2,3,4,7,8-Pentachlorodibenzofuran ppt
Carbon Normalized



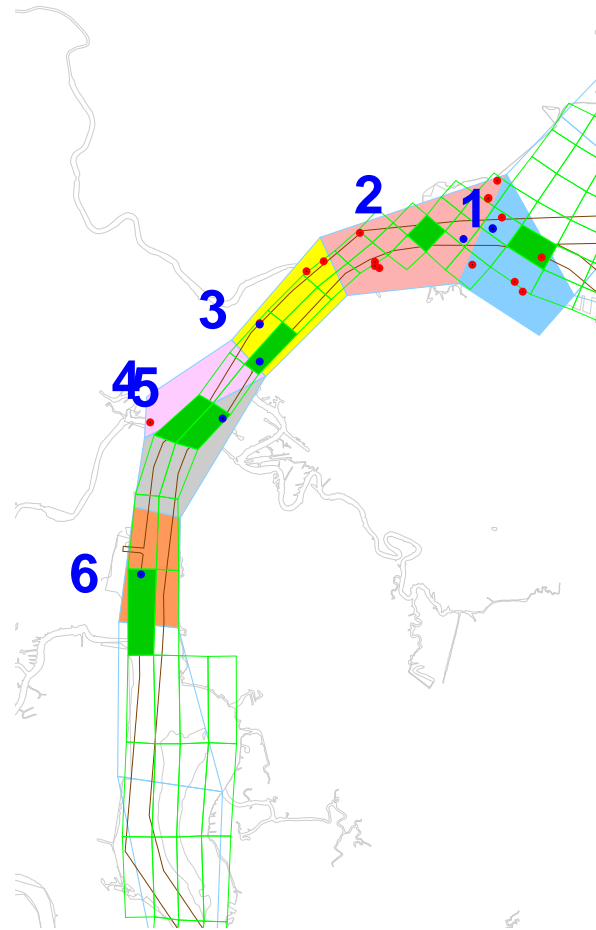
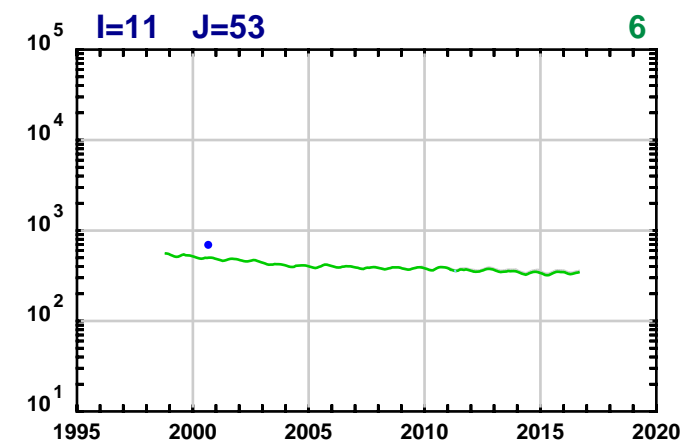
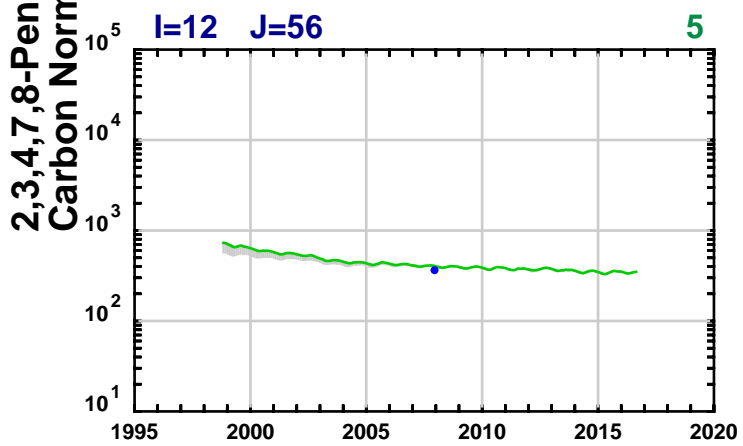
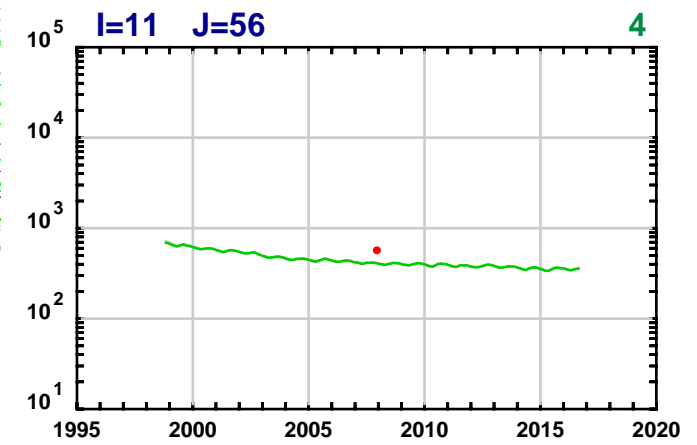
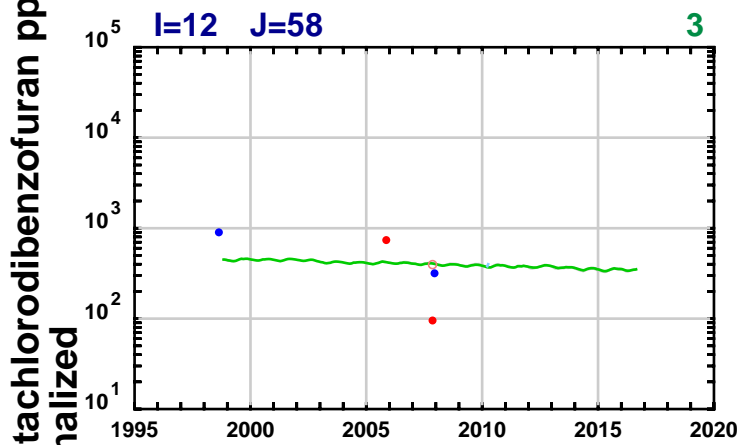
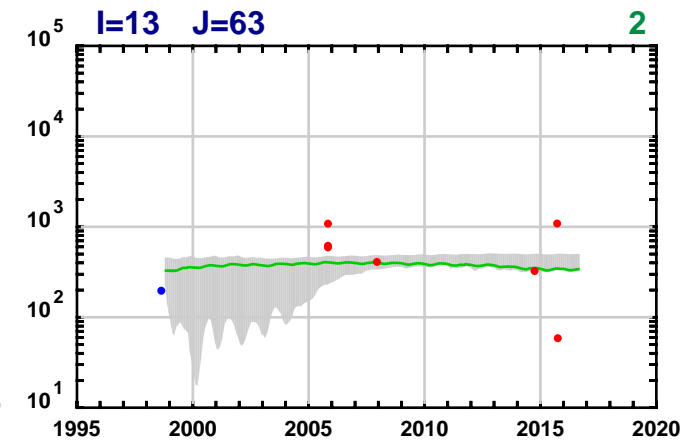
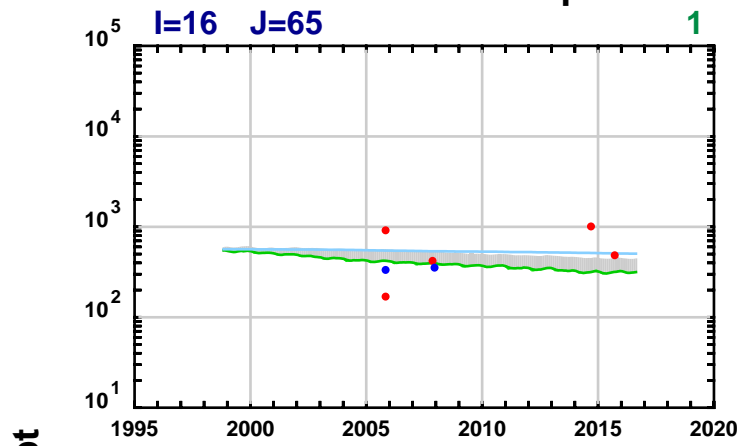
RUN18

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

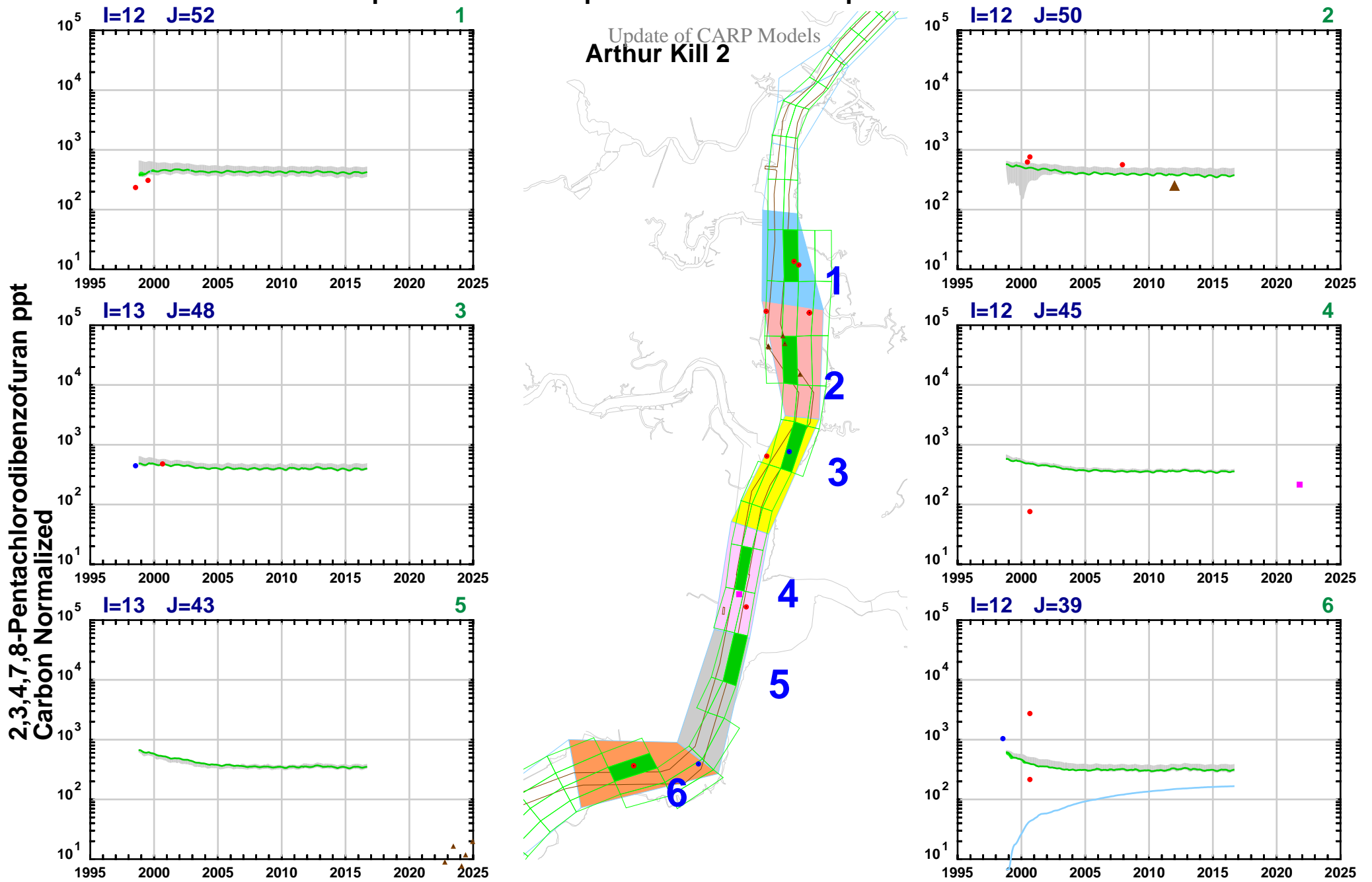


RUN18

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

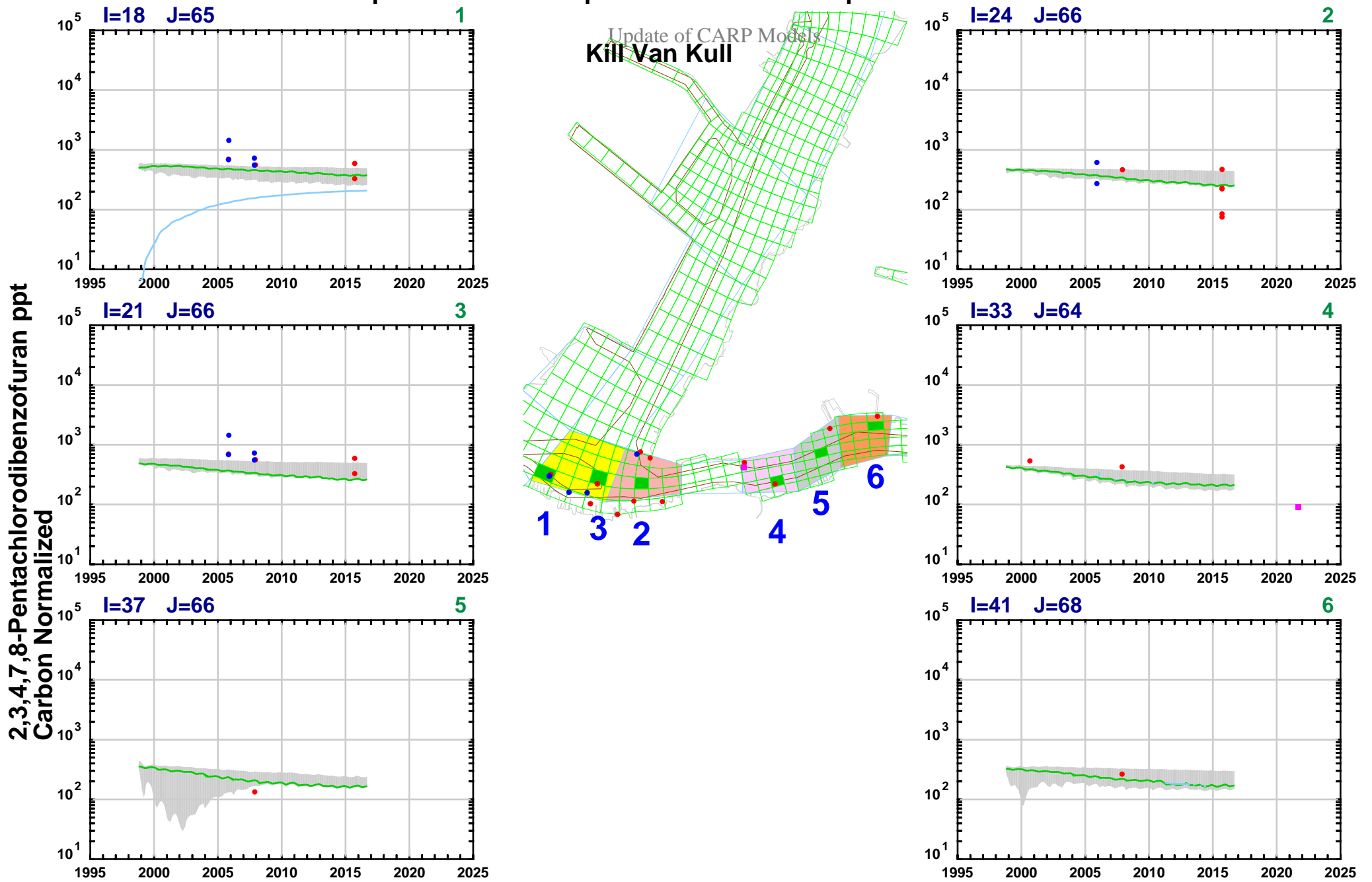


RUN18

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

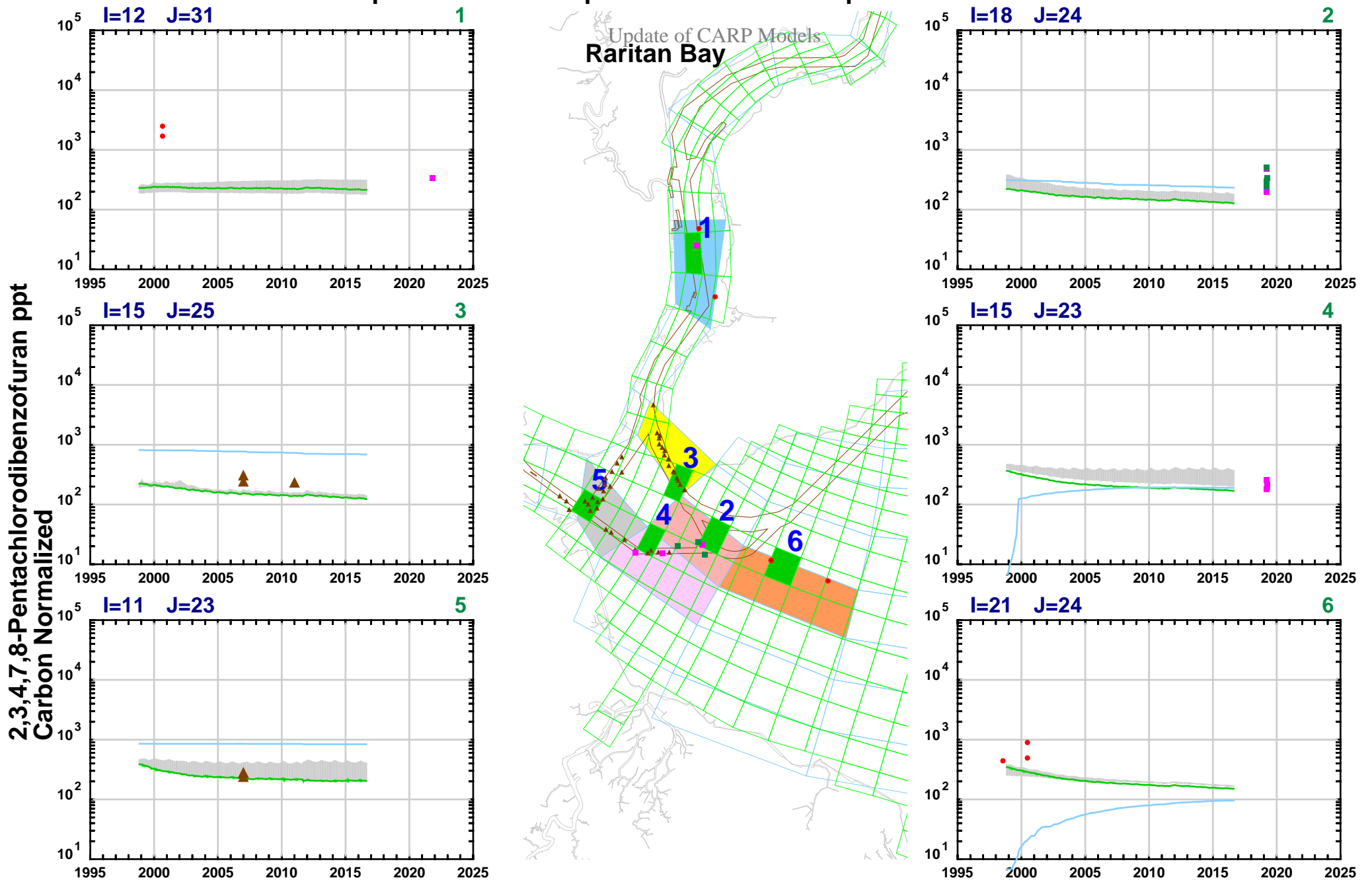


RUN18

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

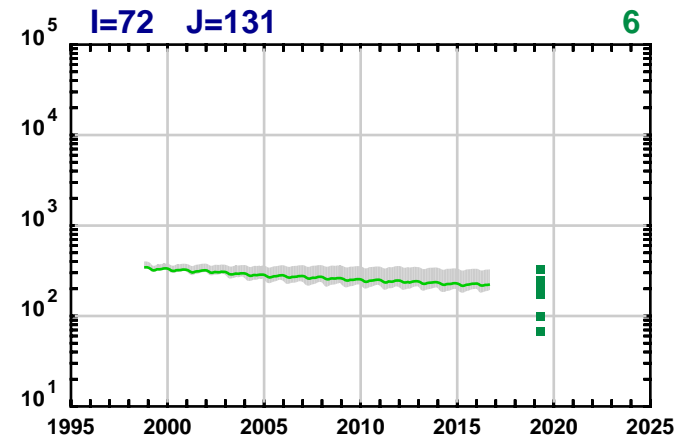
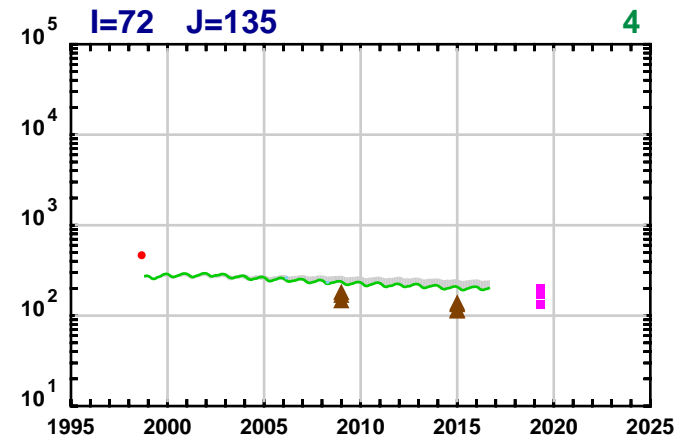
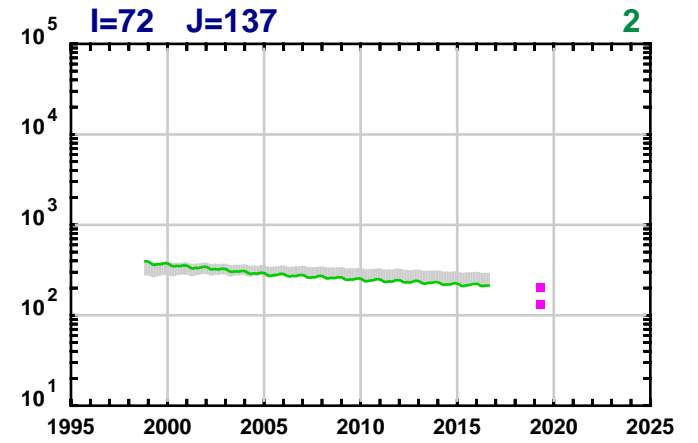
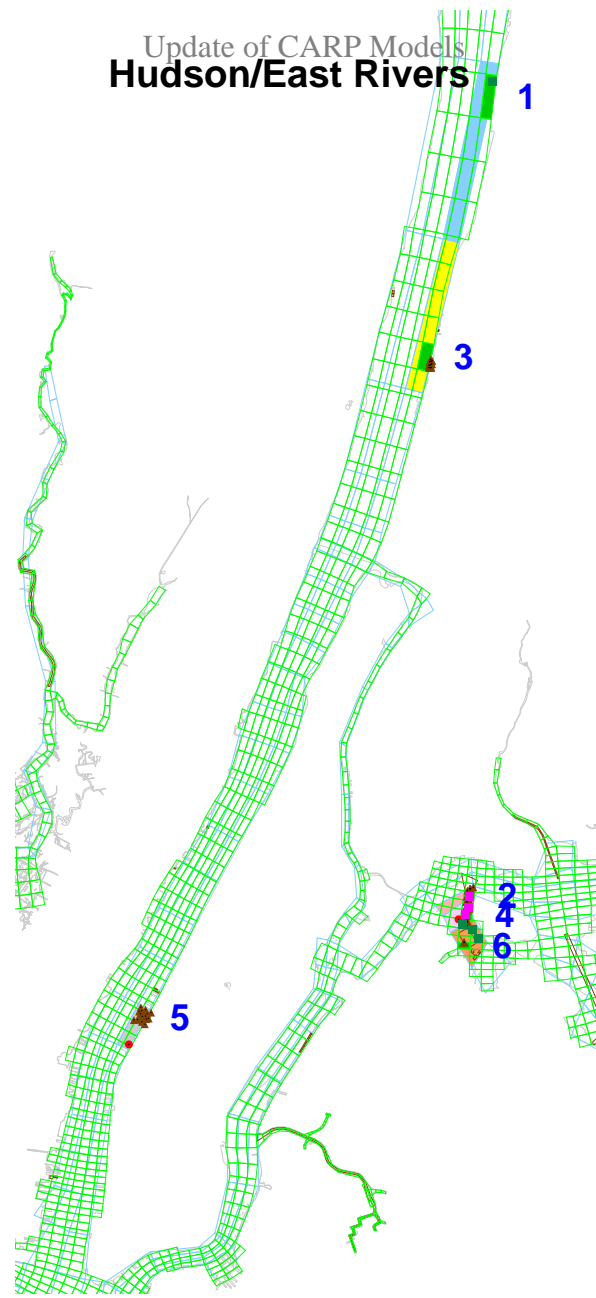
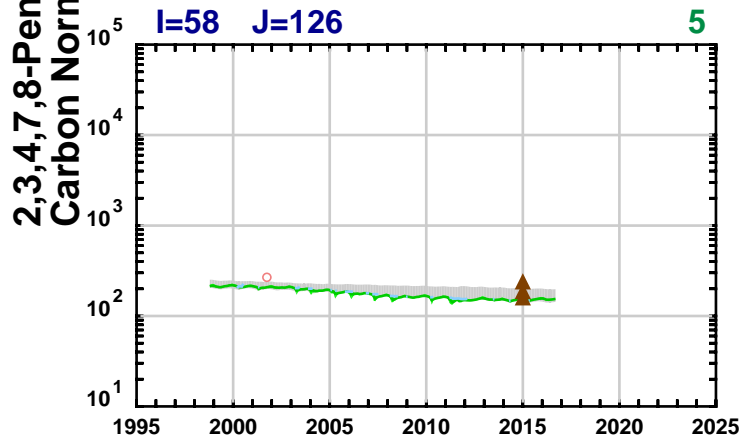
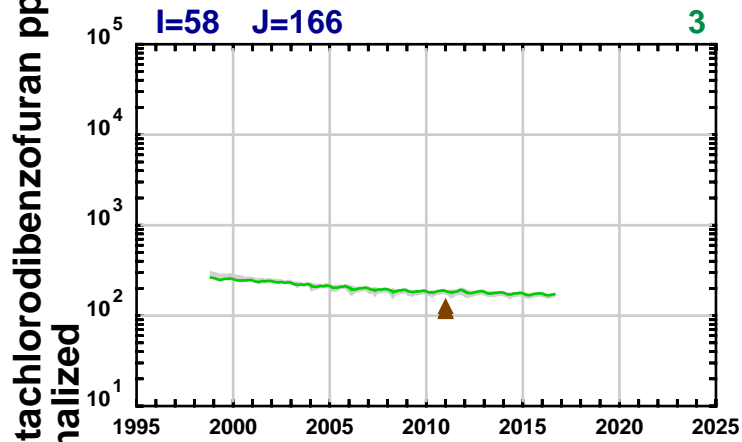
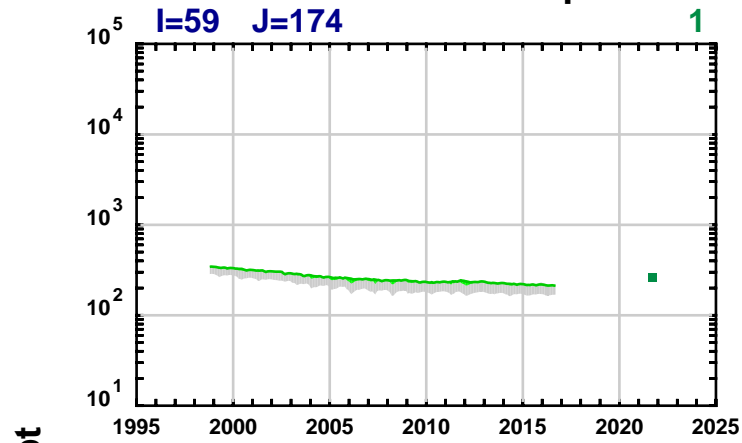


RUN18

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

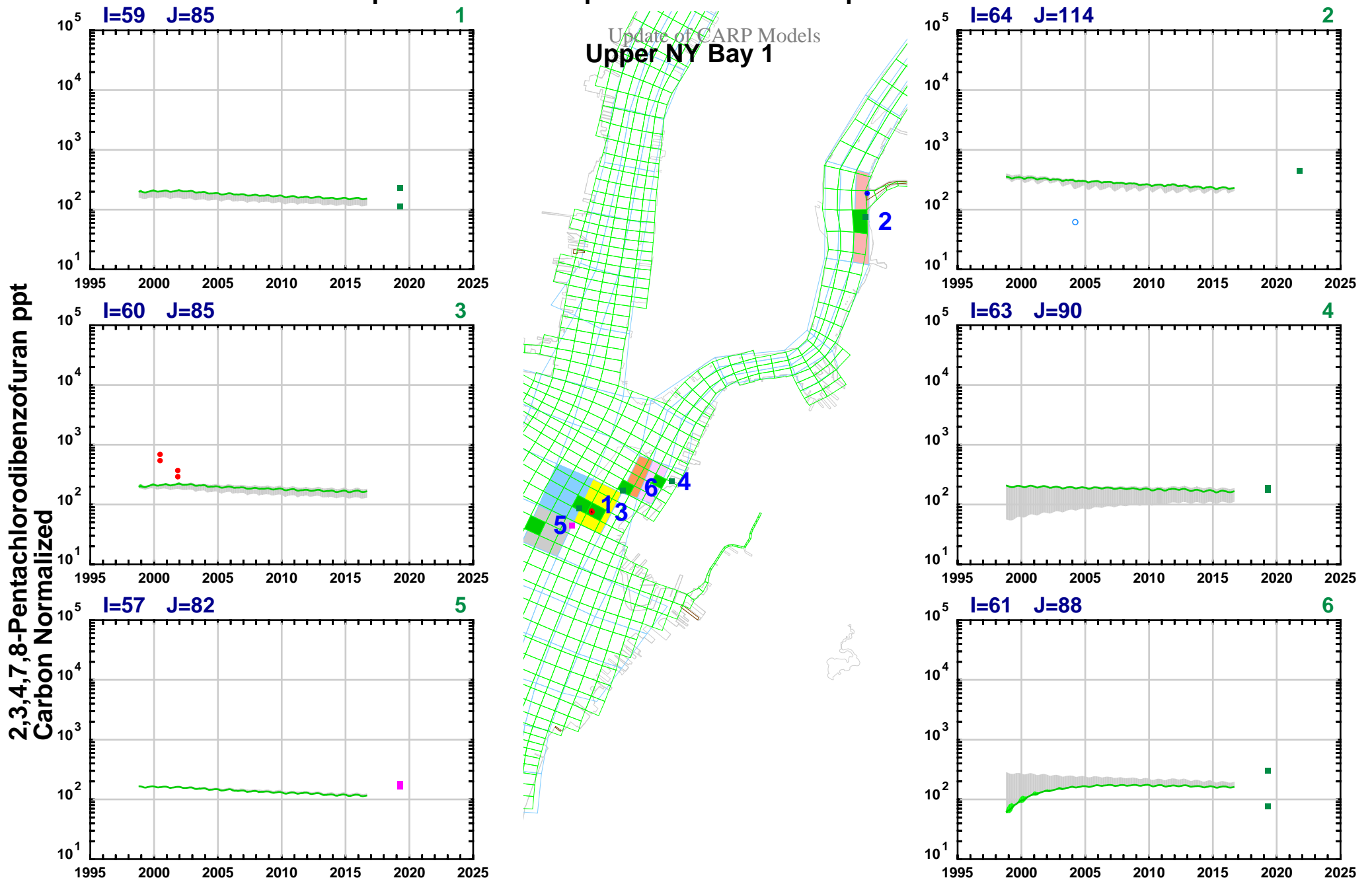


RUN18

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

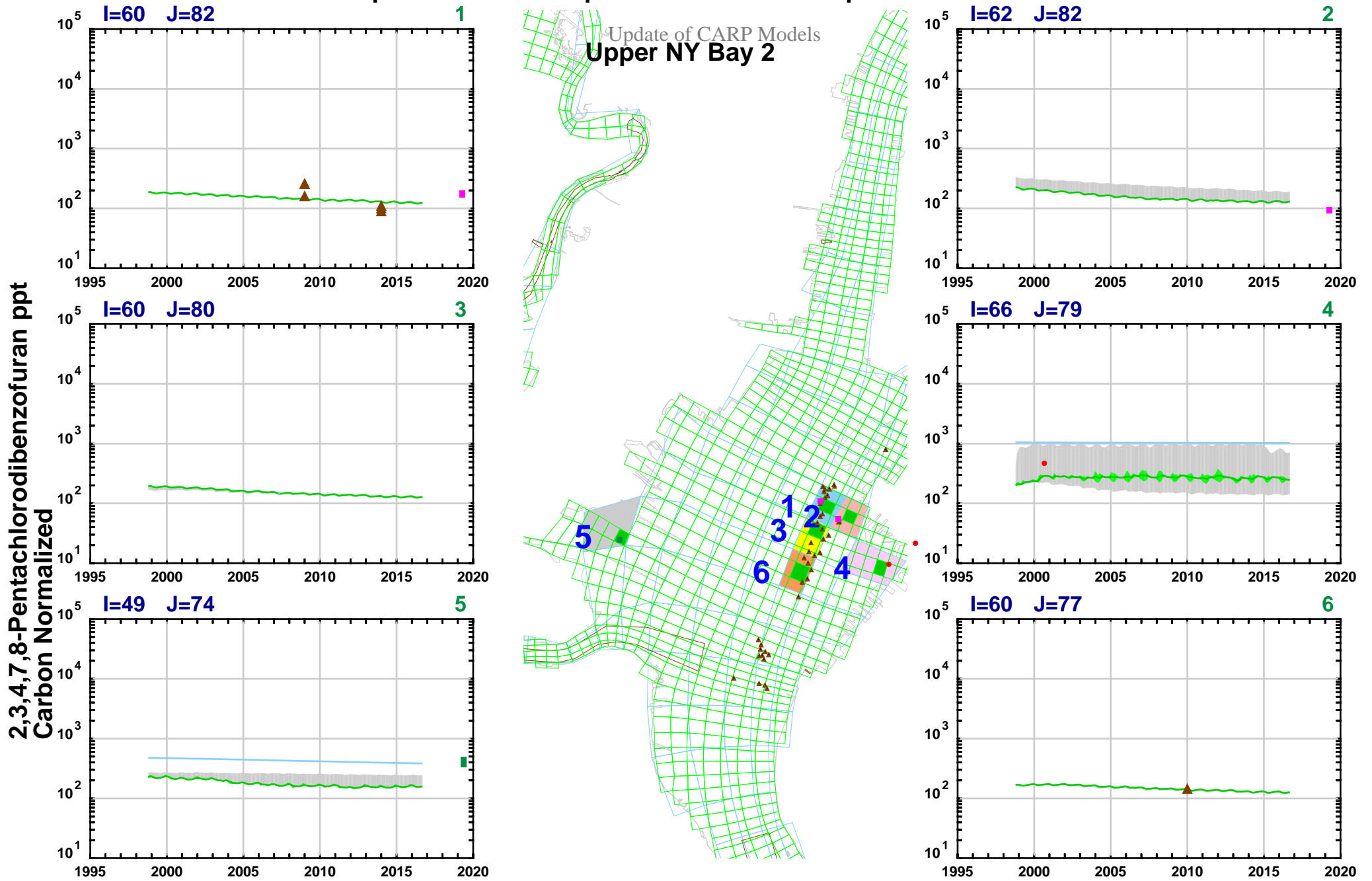


RUN18

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

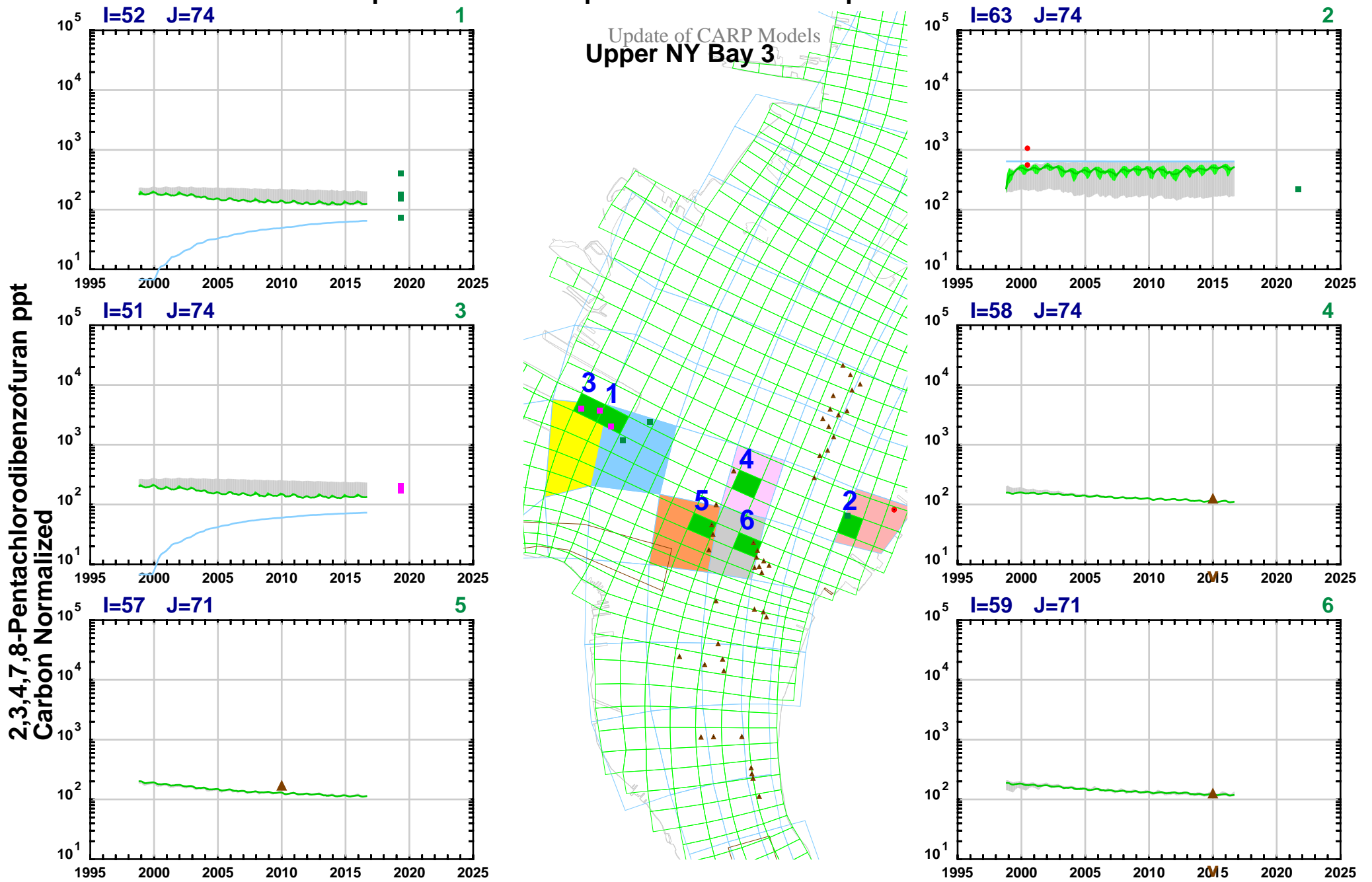


RUN18

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

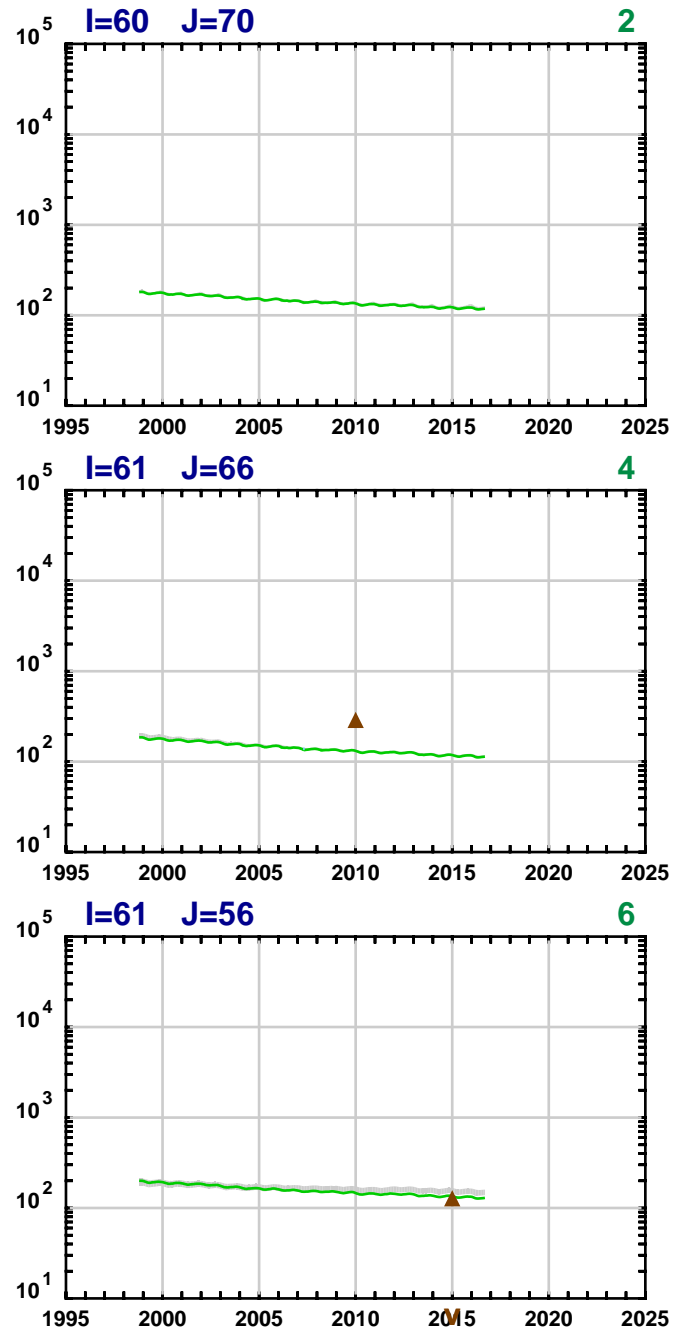
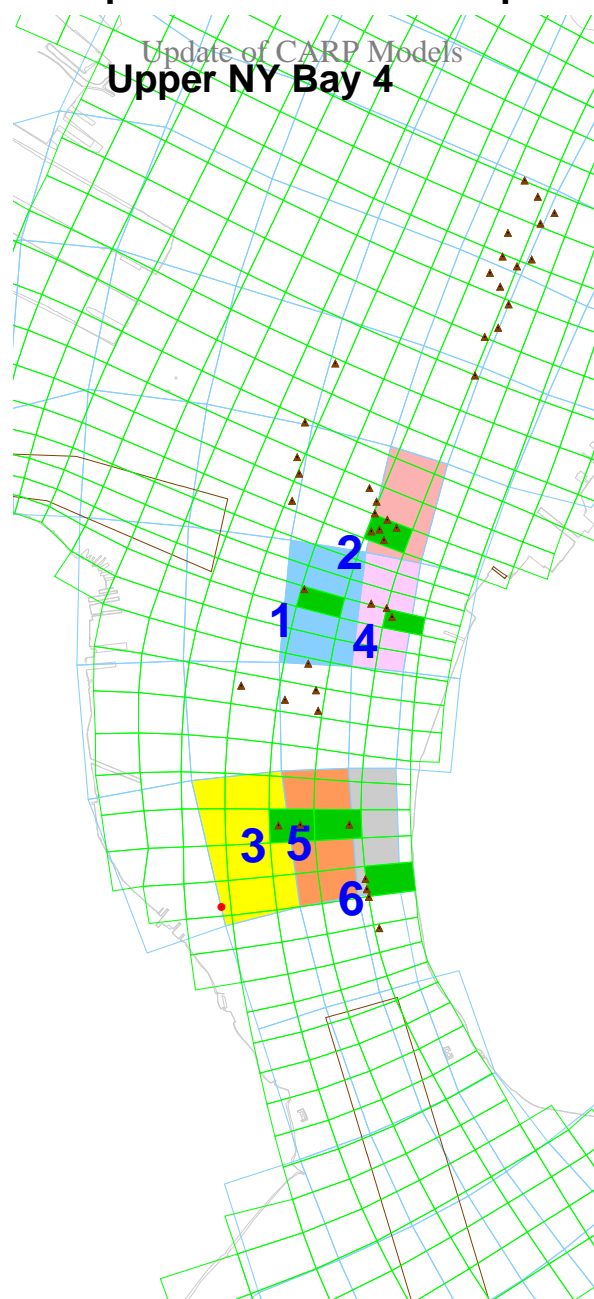
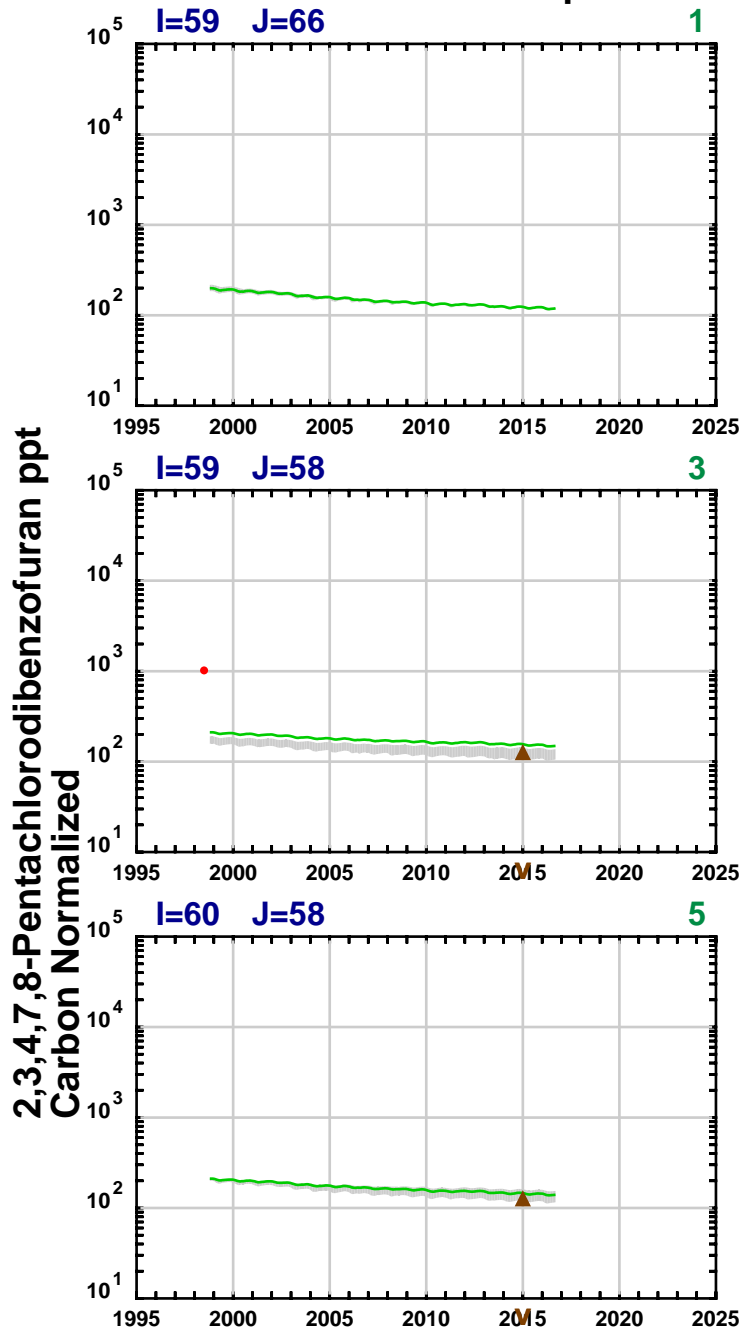


RUN18

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



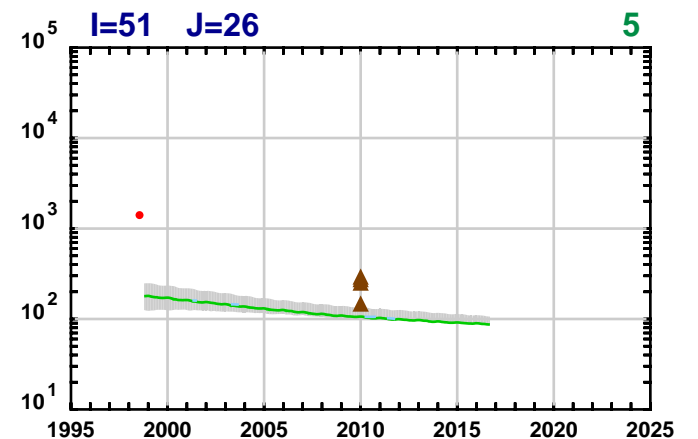
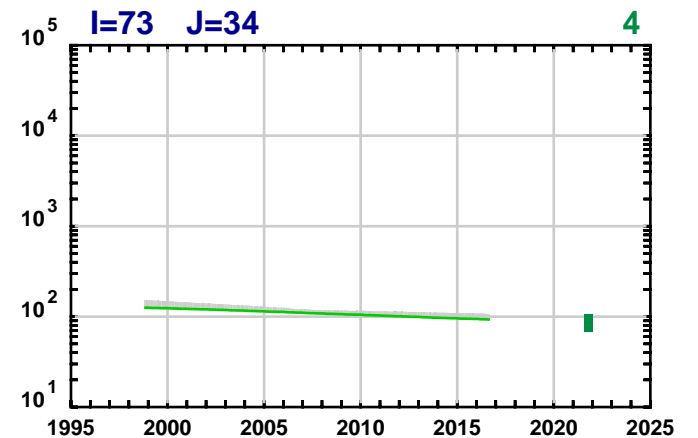
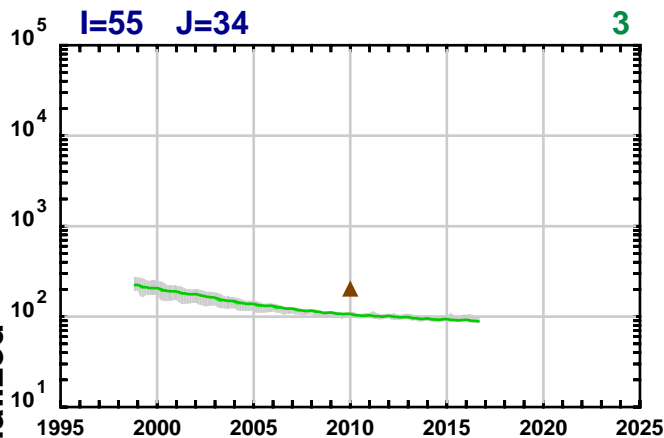
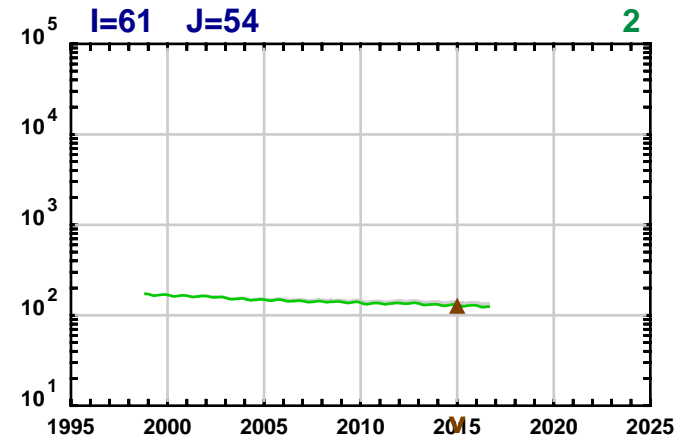
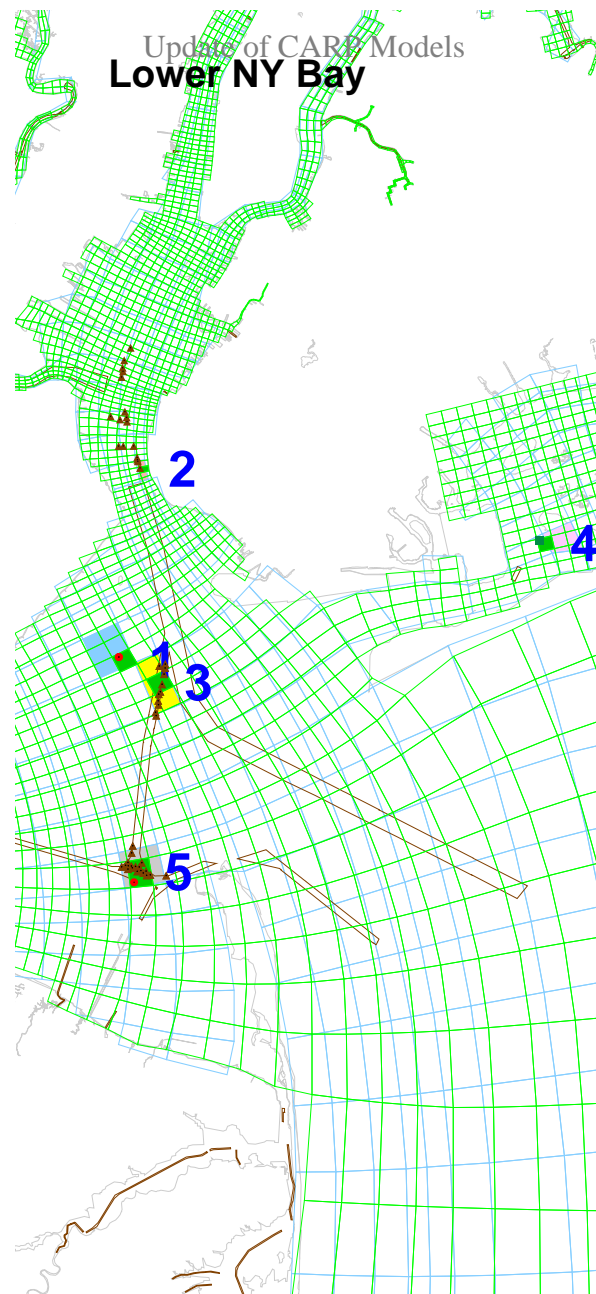
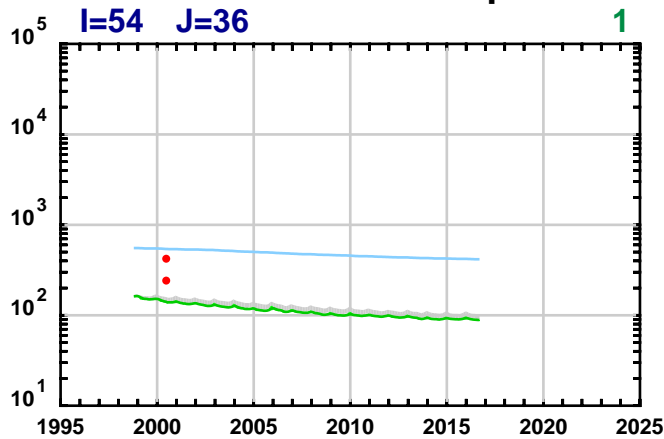
RUN18

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

● 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

2,3,4,7,8-Pentachlorodibenzofuran ppt
Carbon Normalized



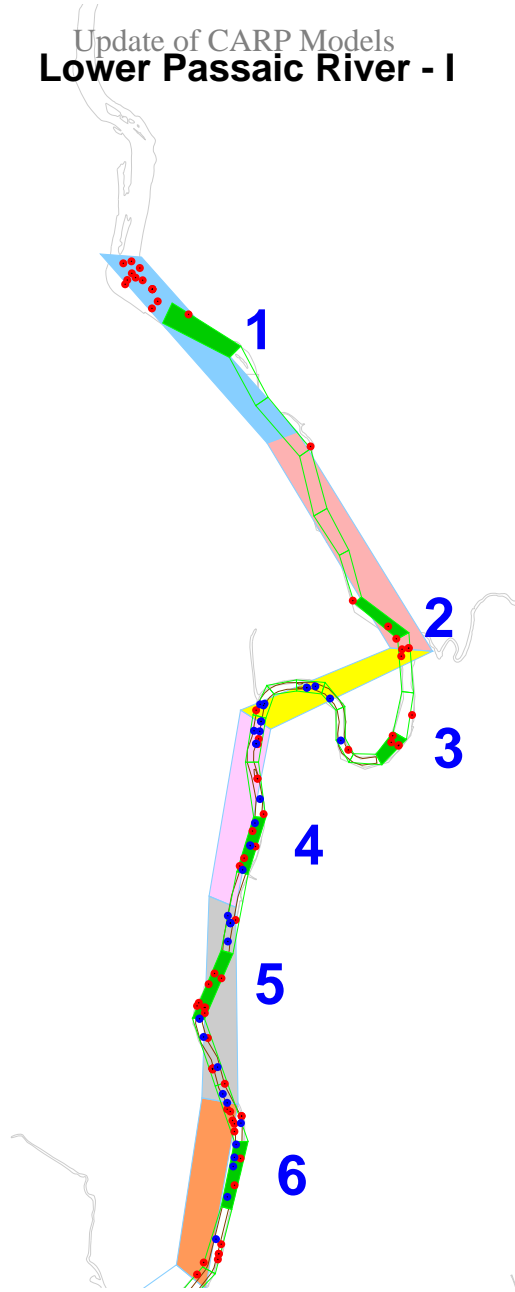
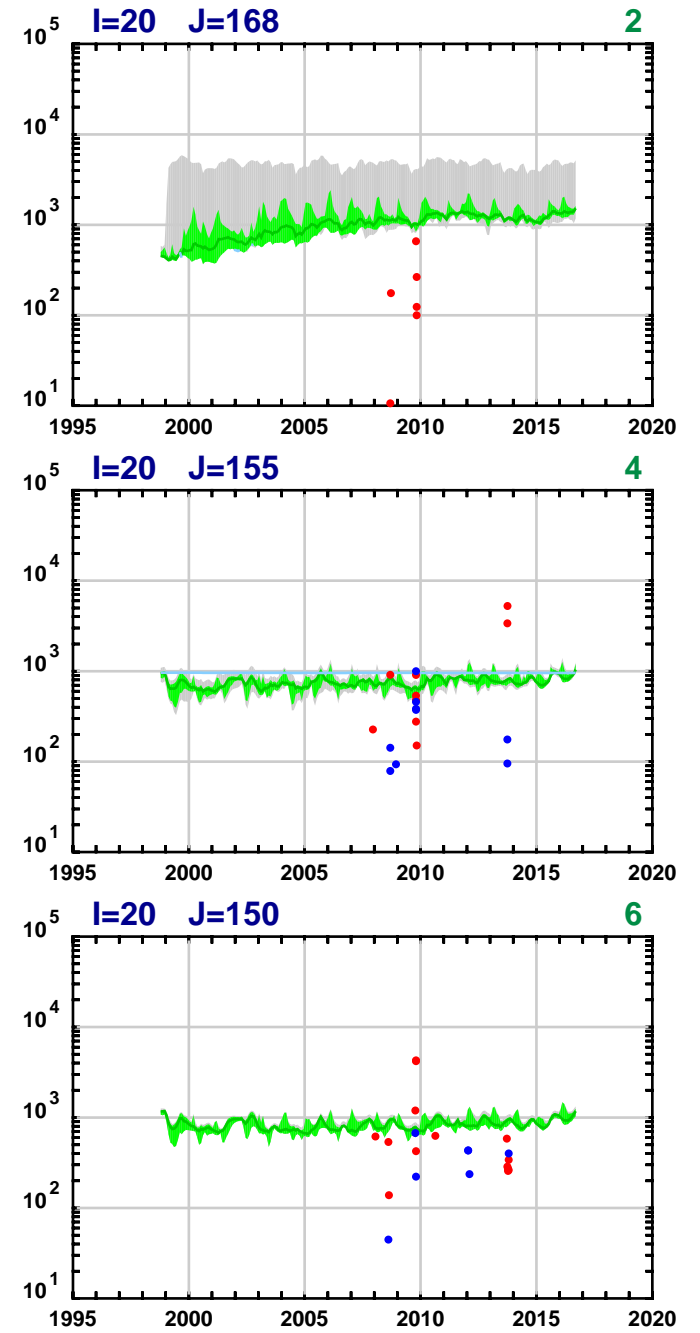
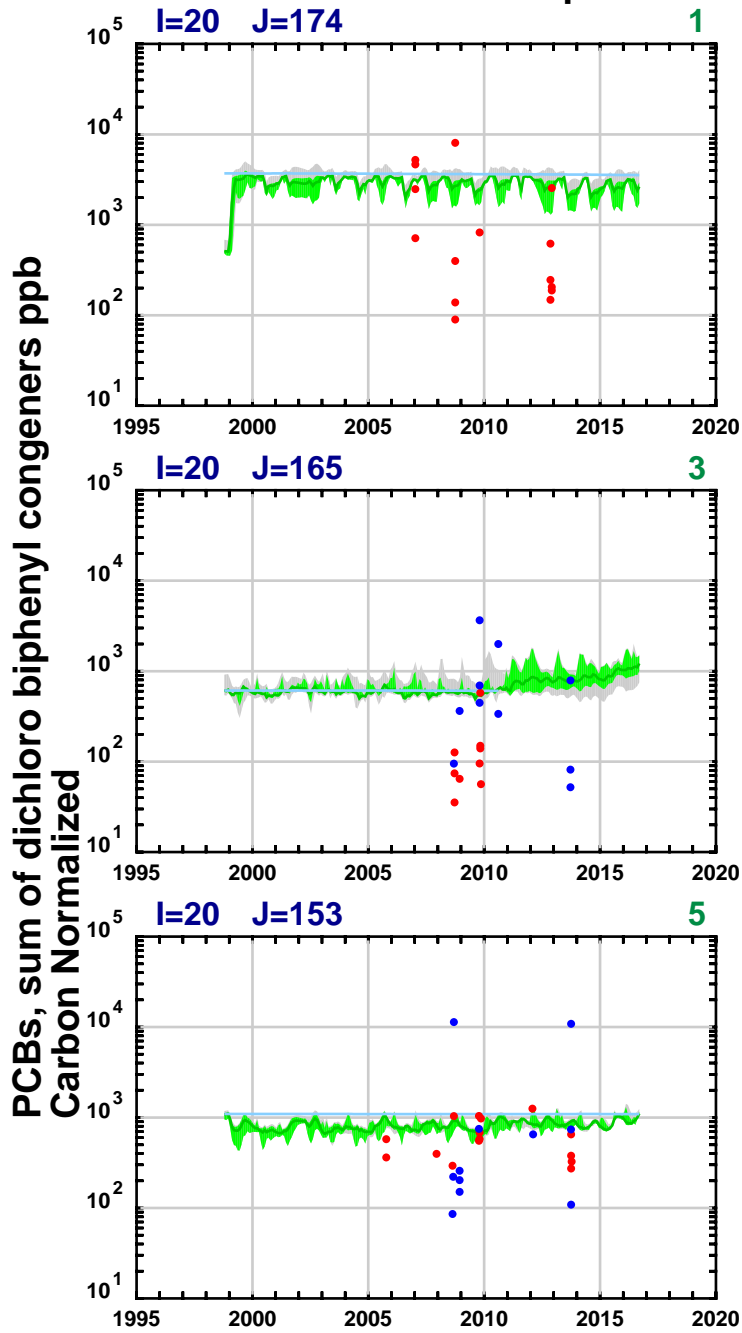
RUN18

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

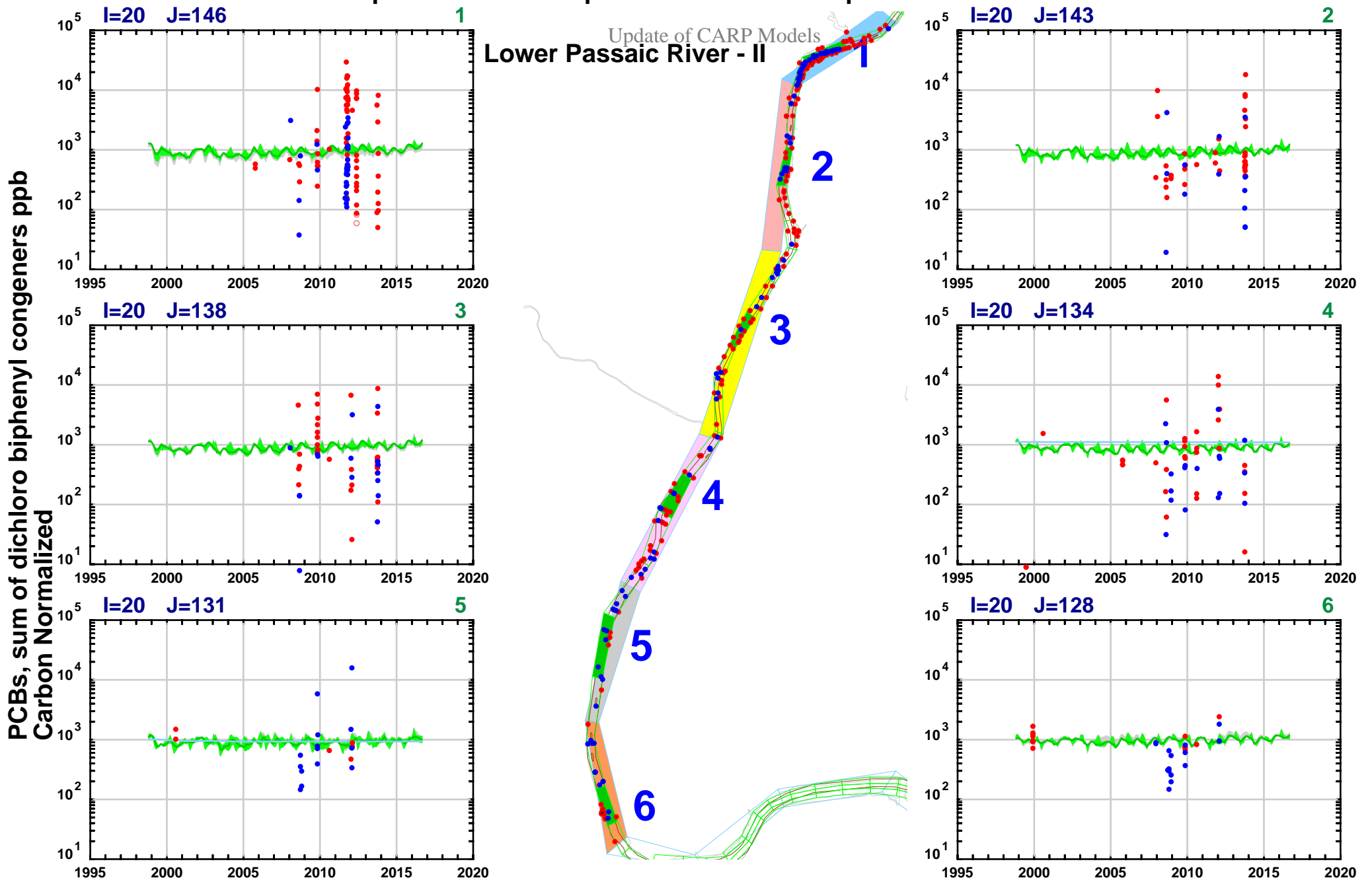


RUN18

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

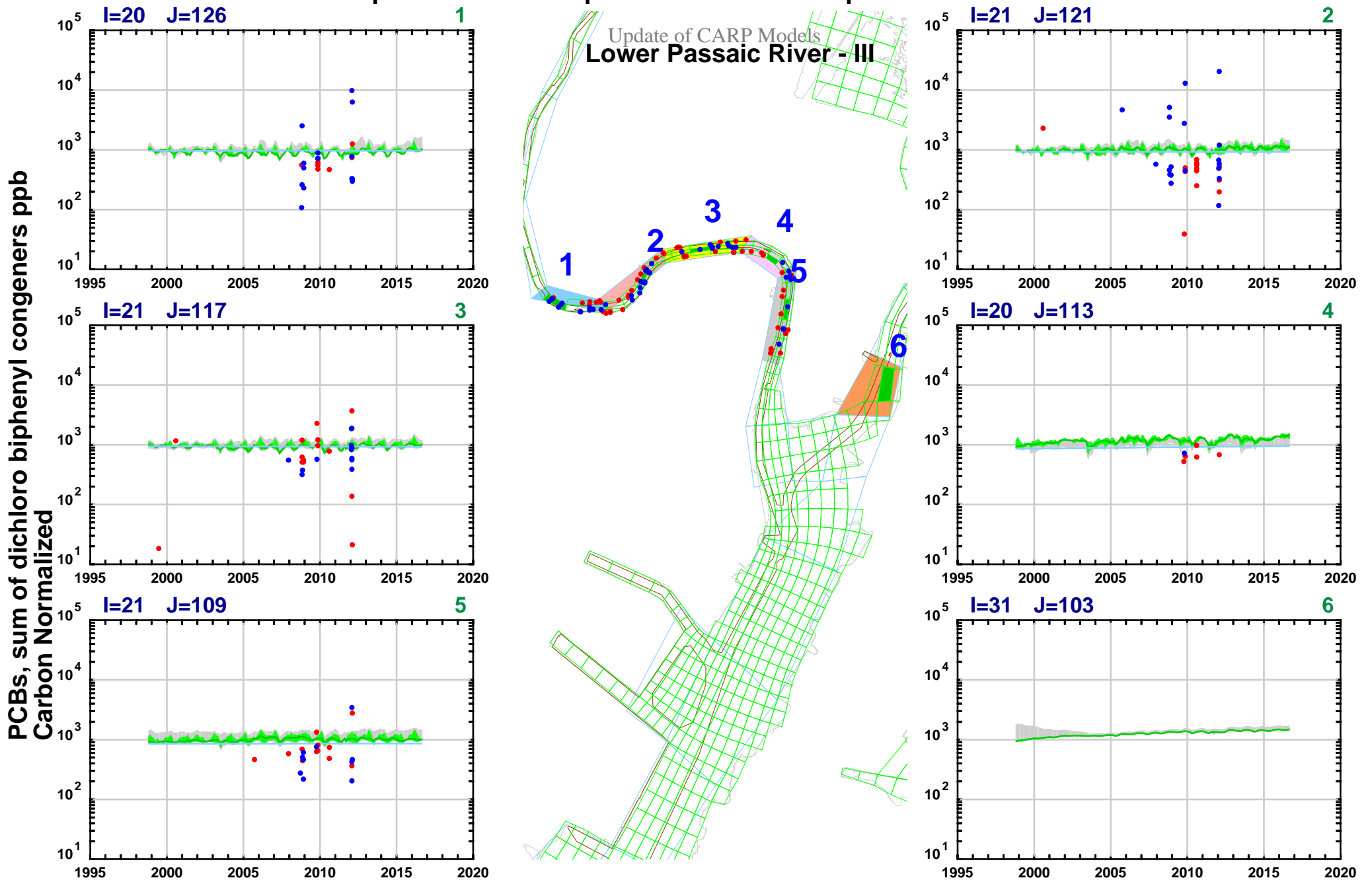


RUN18

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

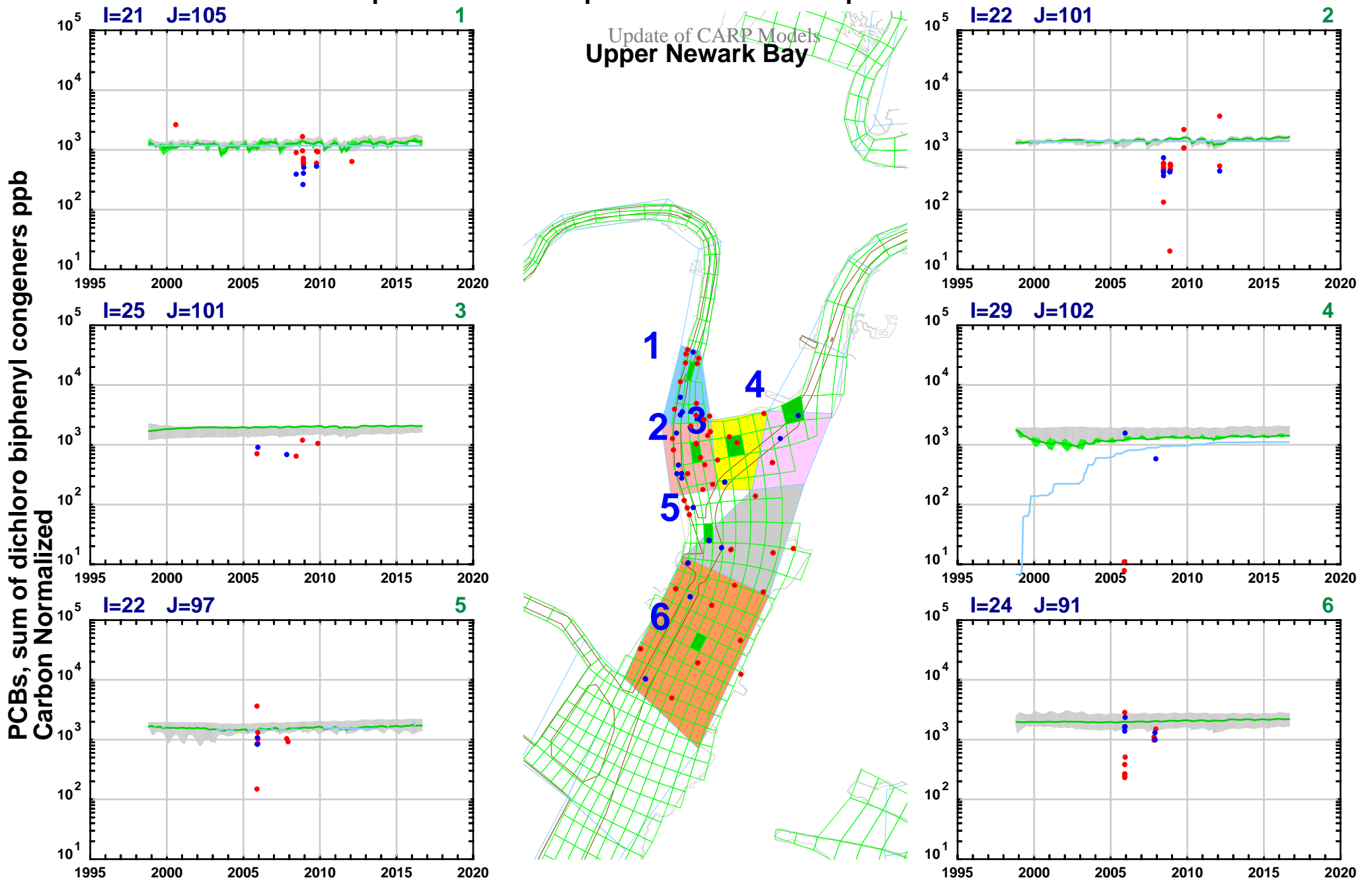


RUN18

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

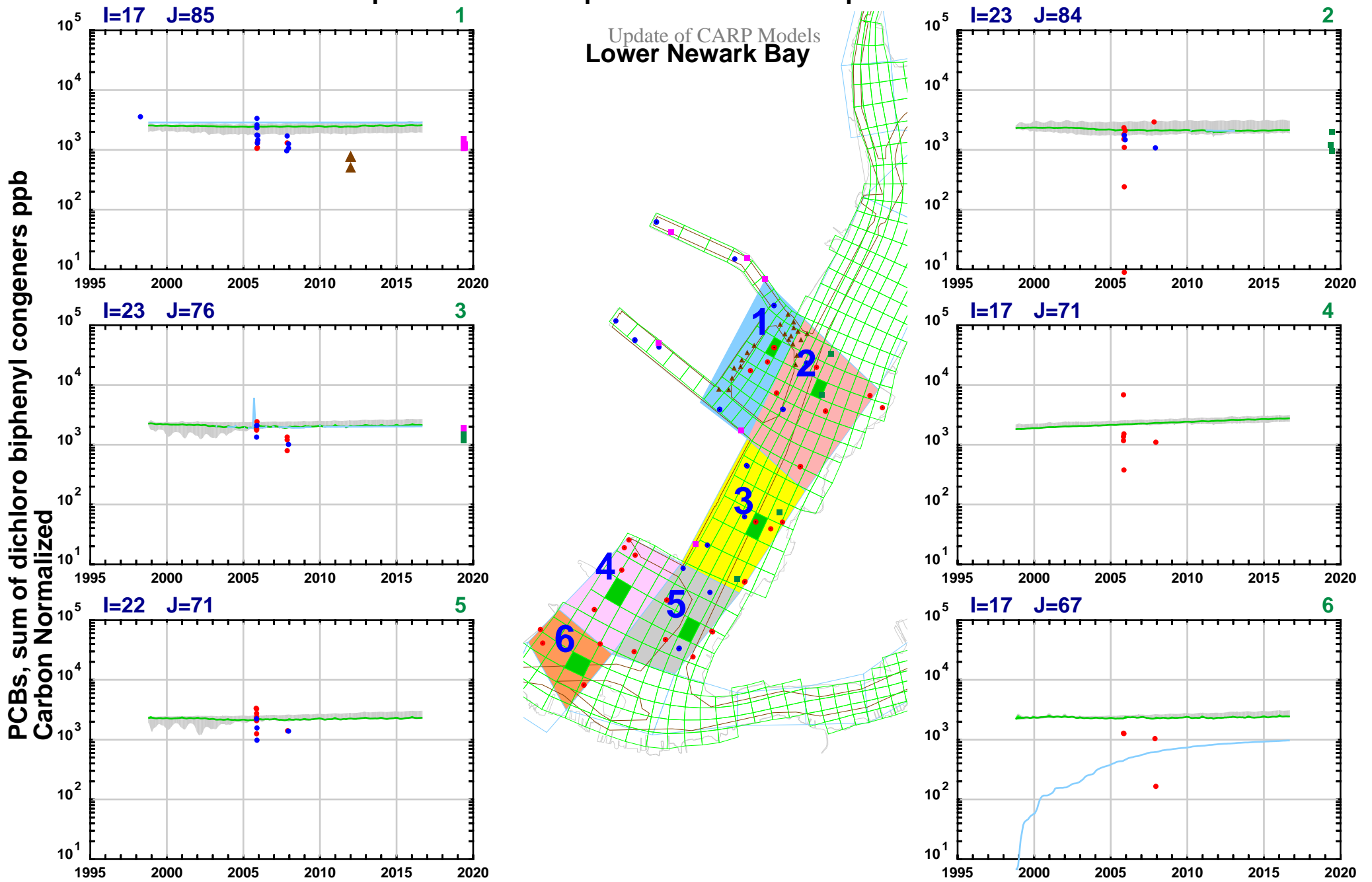


RUN18

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



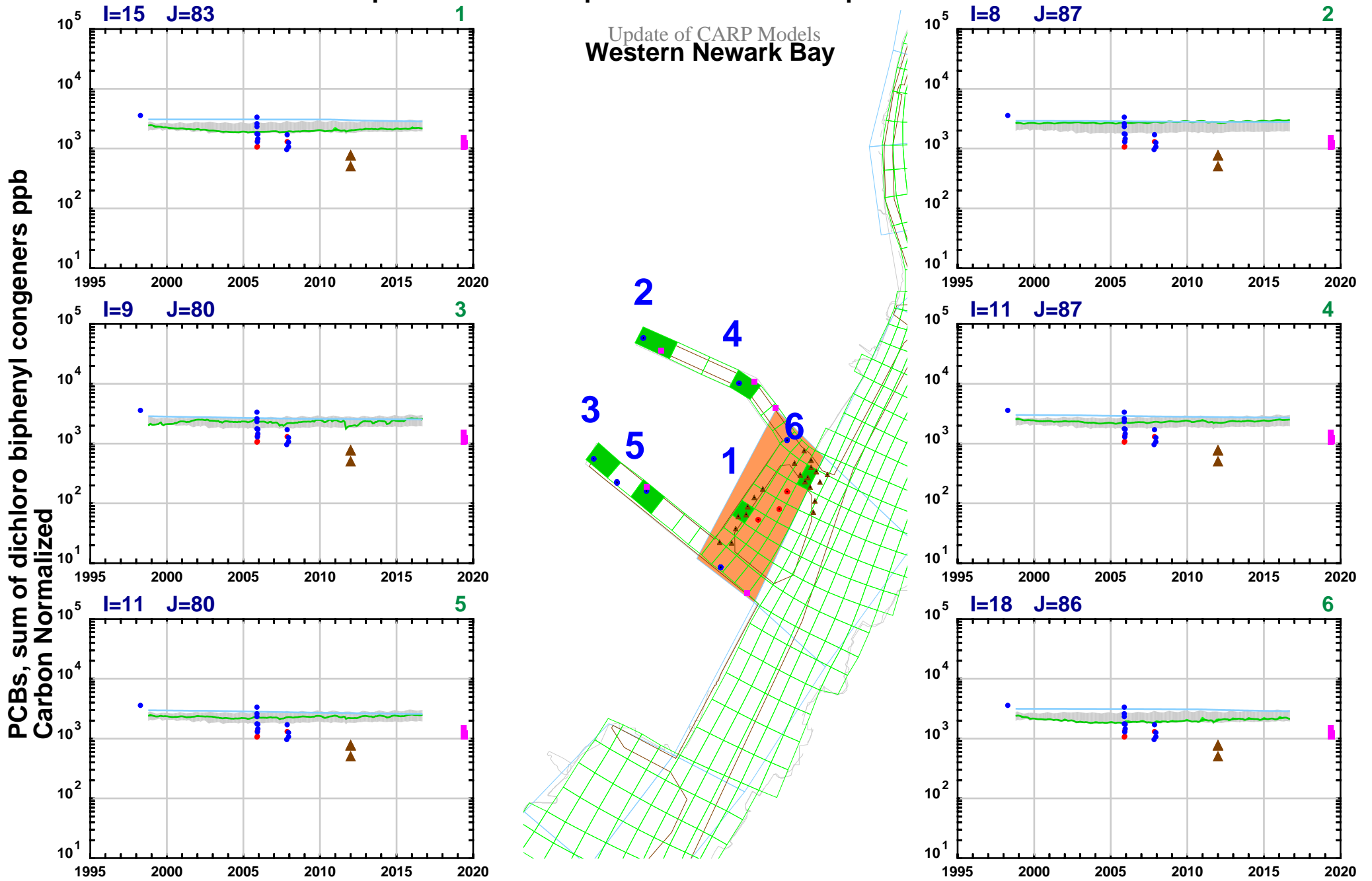
RUN18

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



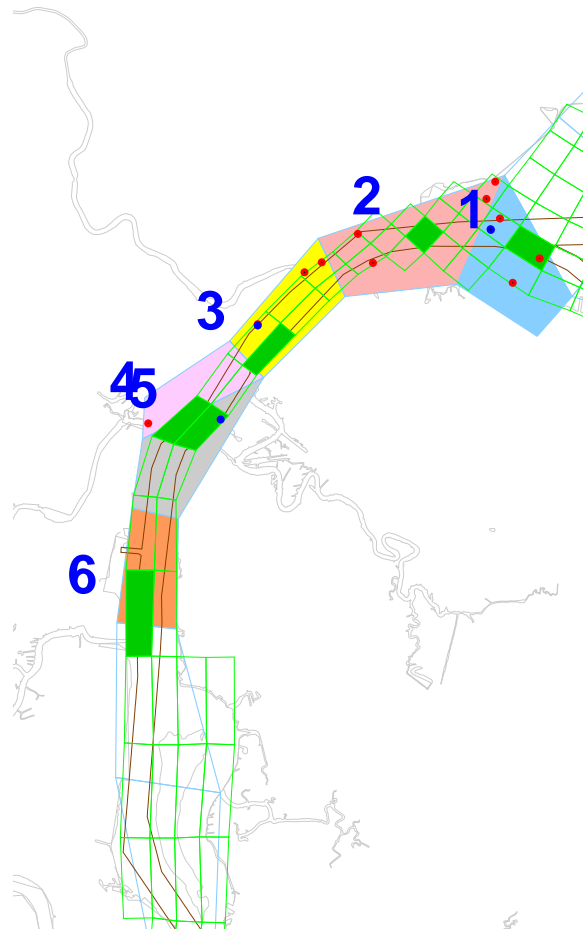
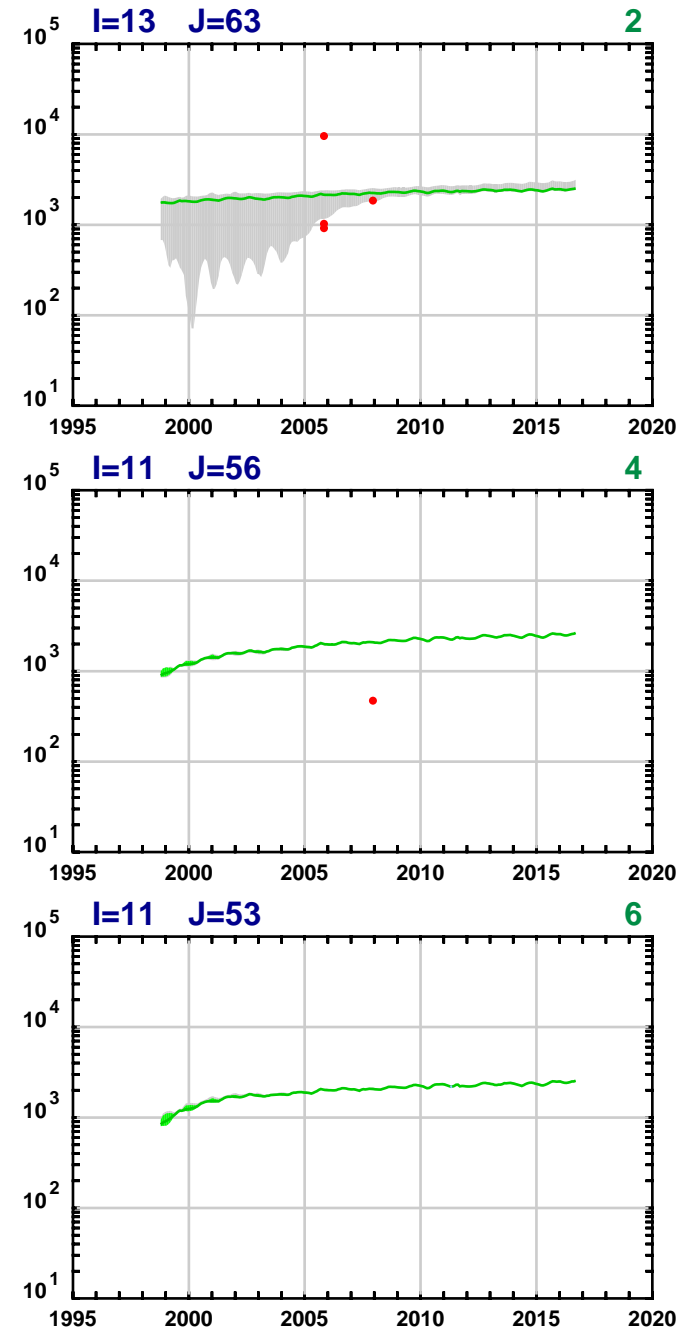
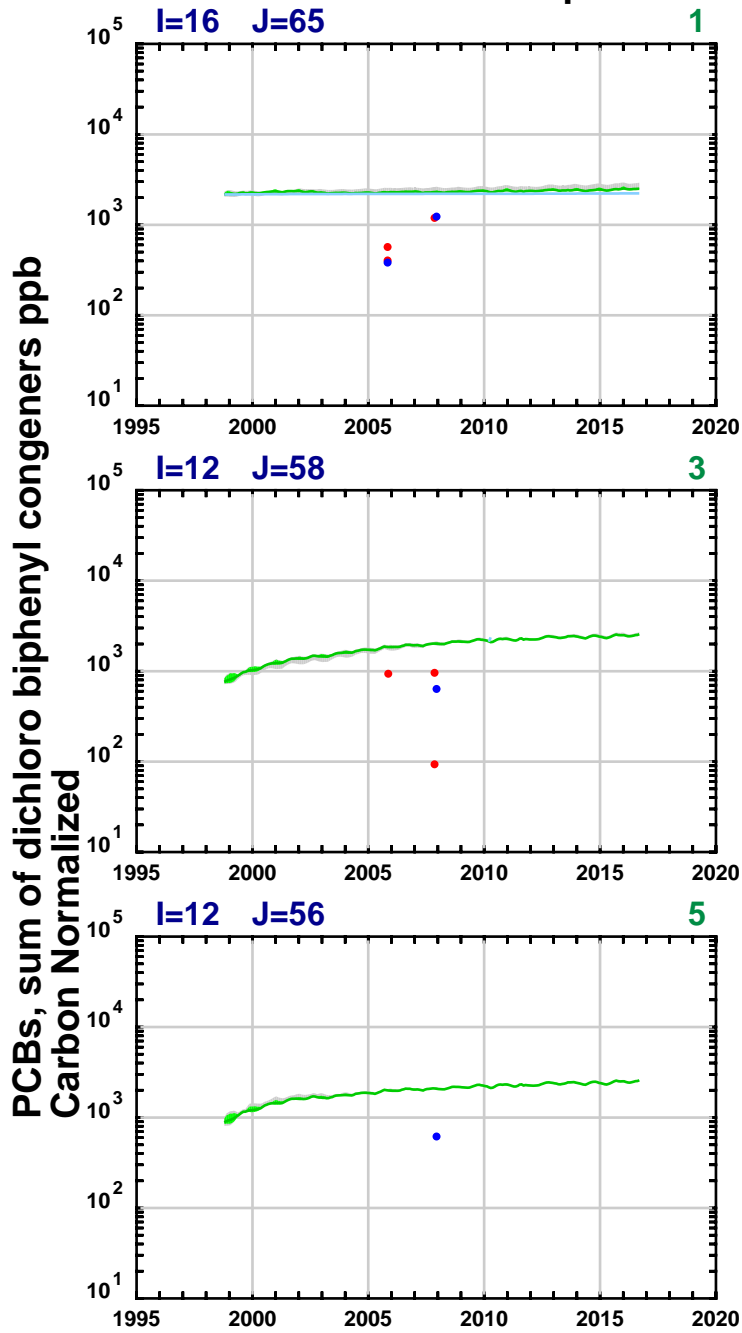
RUN18

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

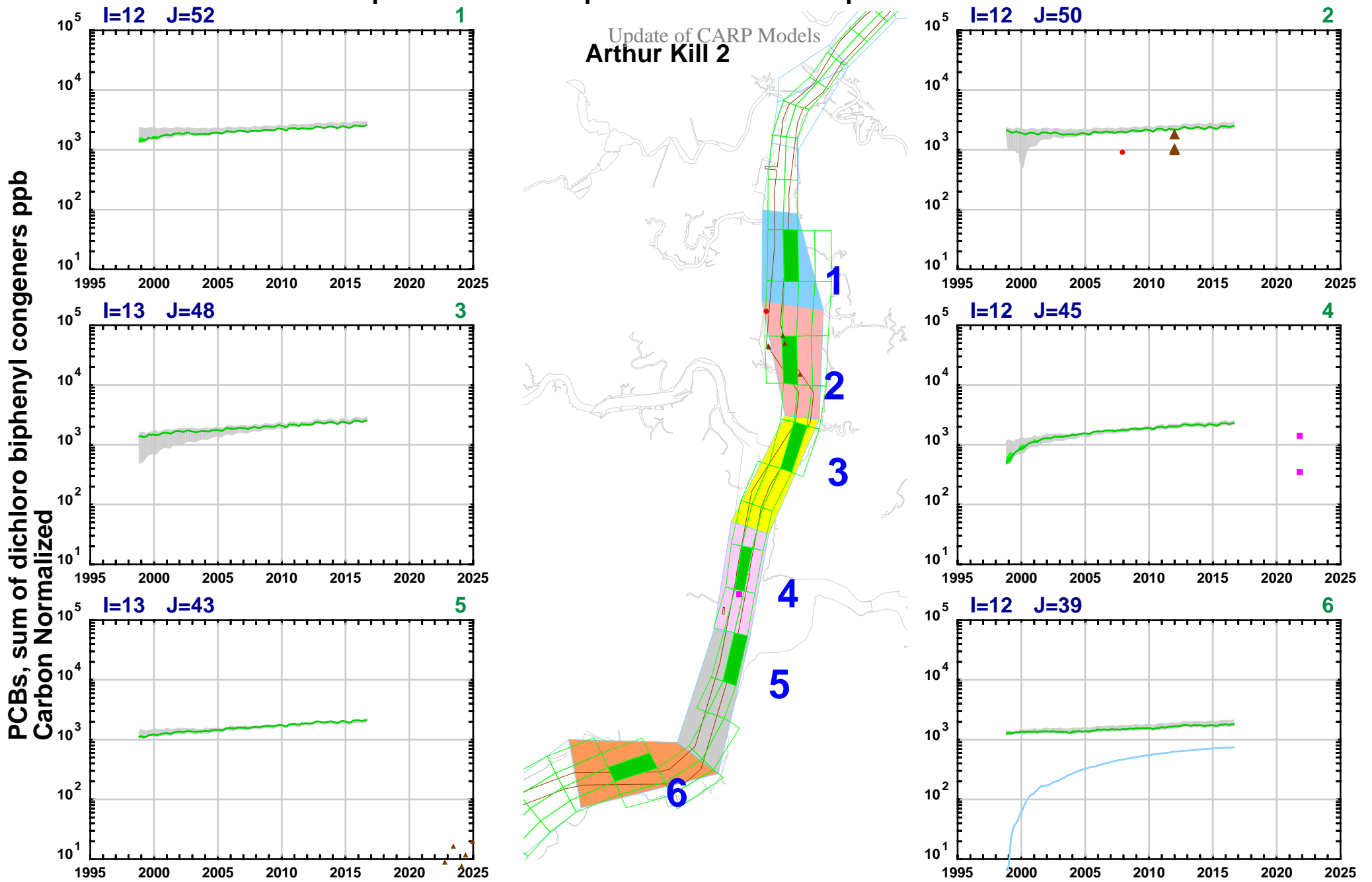


RUN18

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



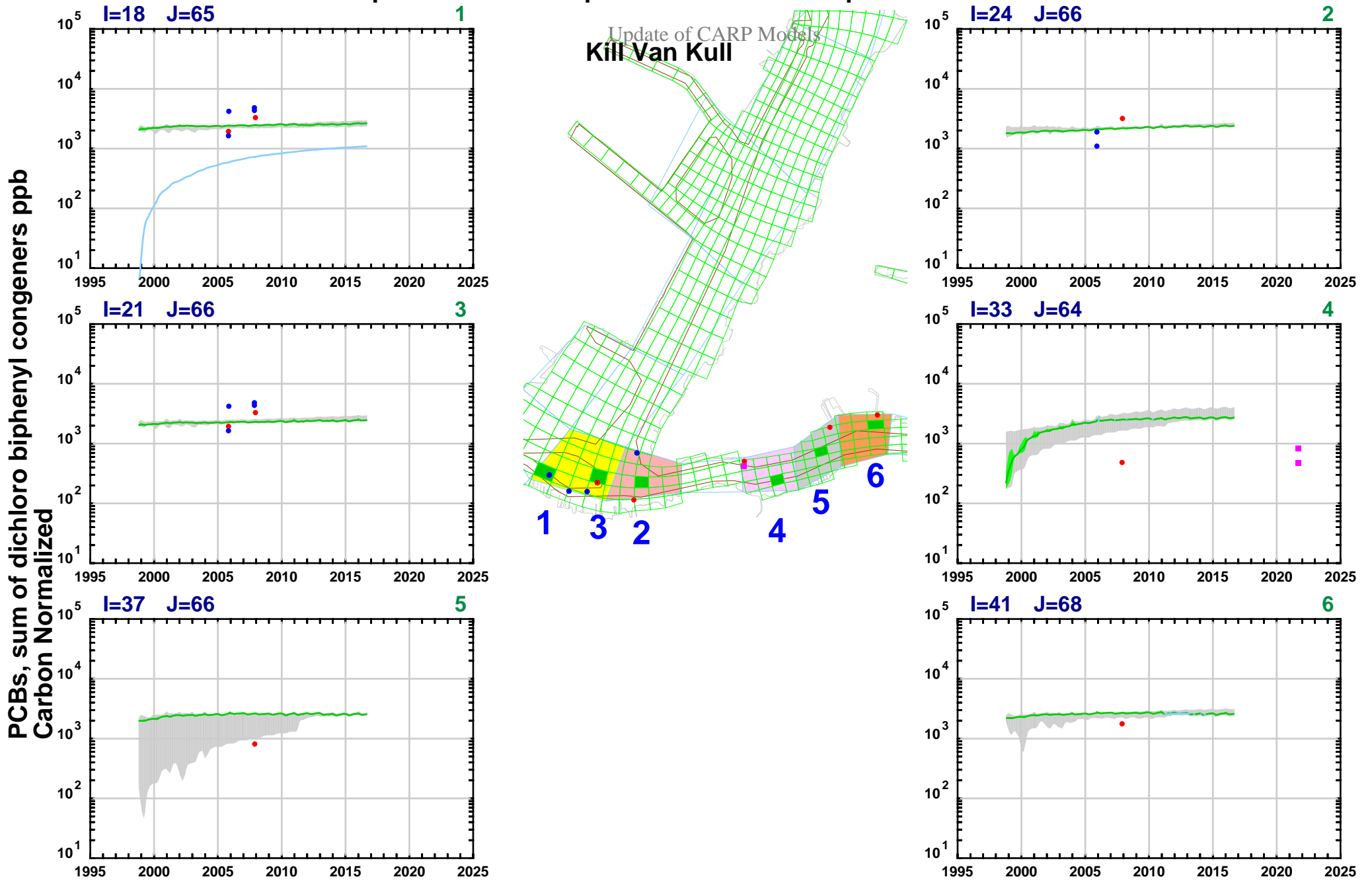
Update of CARP Models
Arthur Kill 2

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

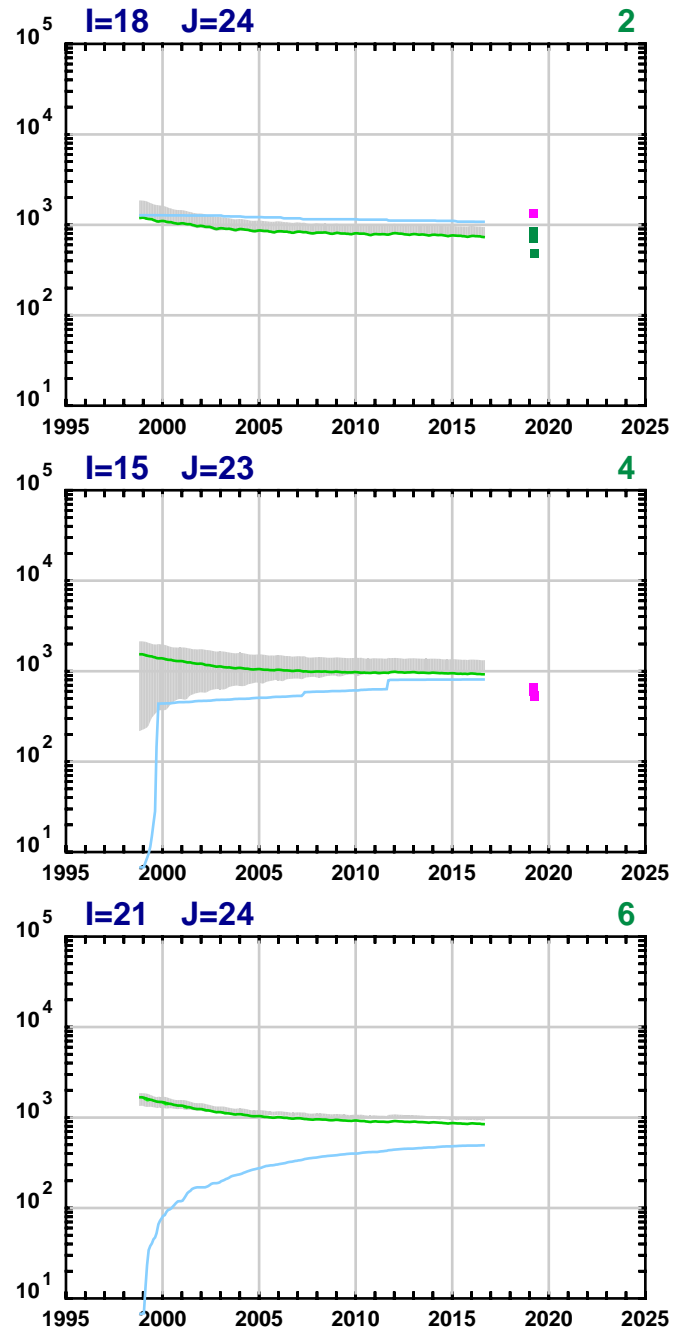
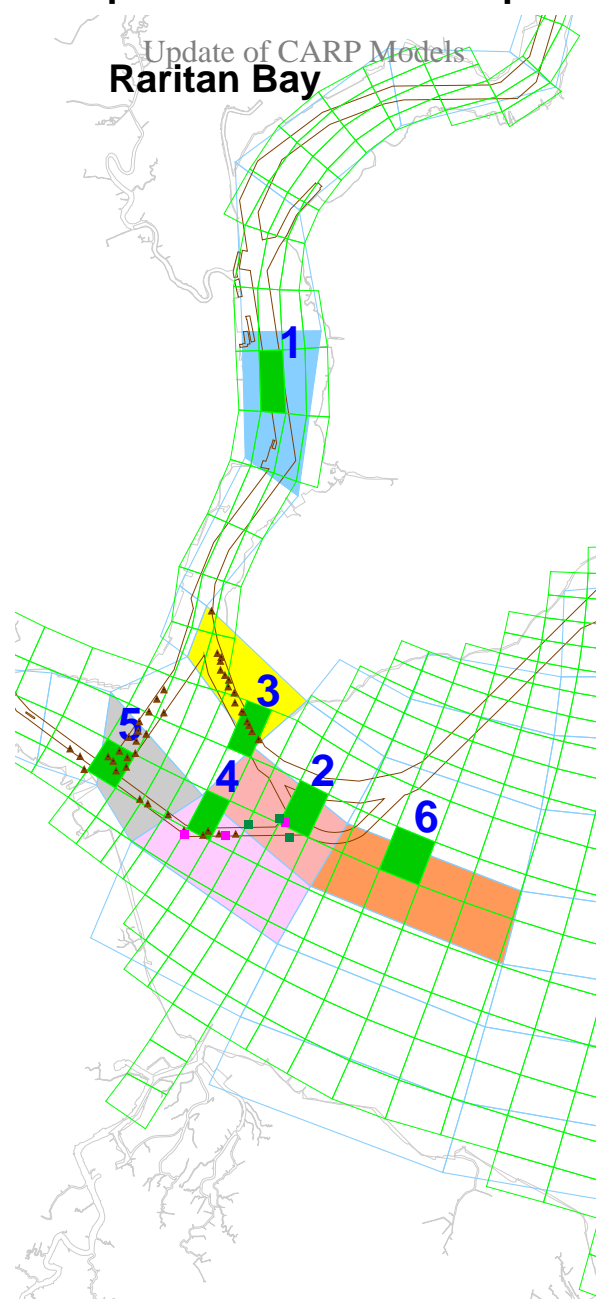
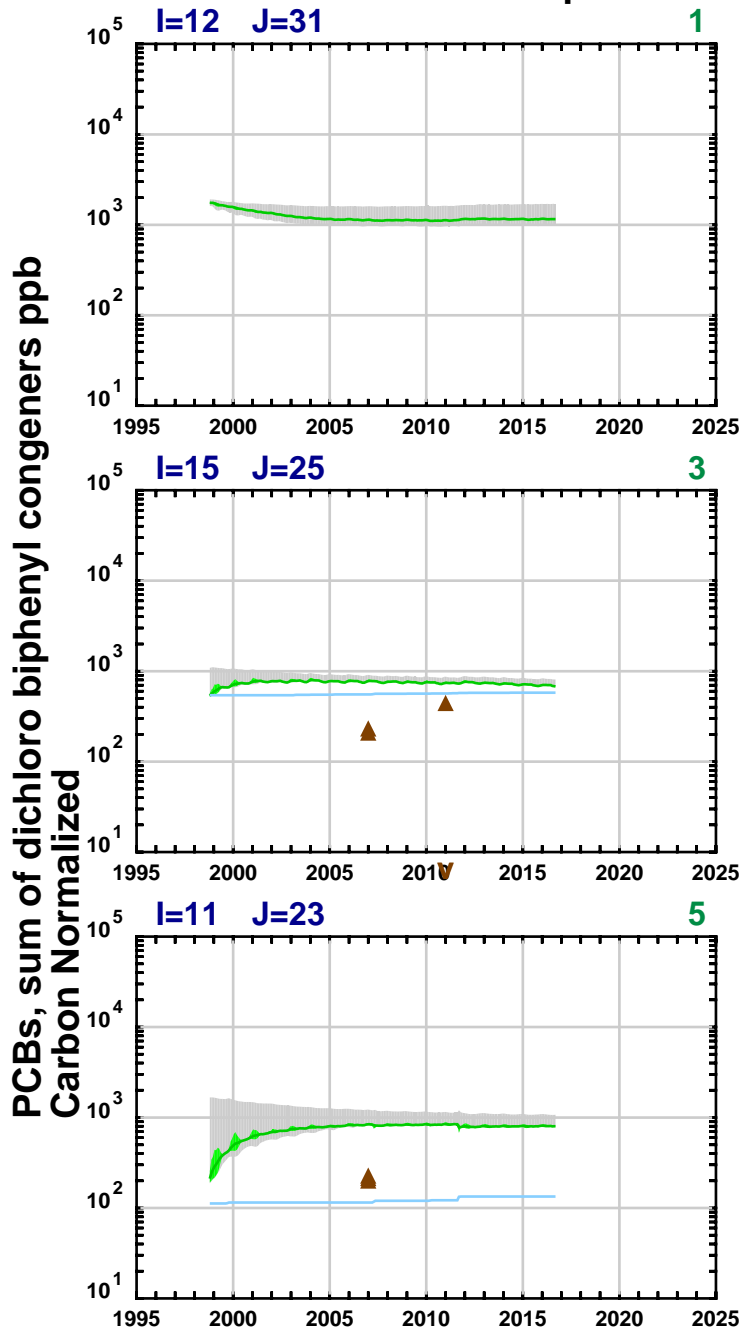


RUN18

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

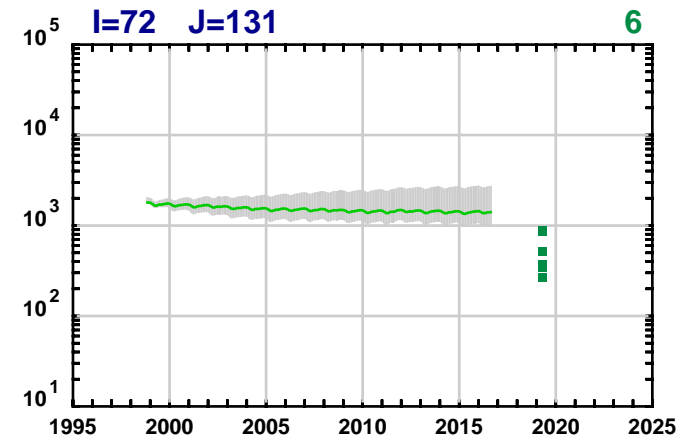
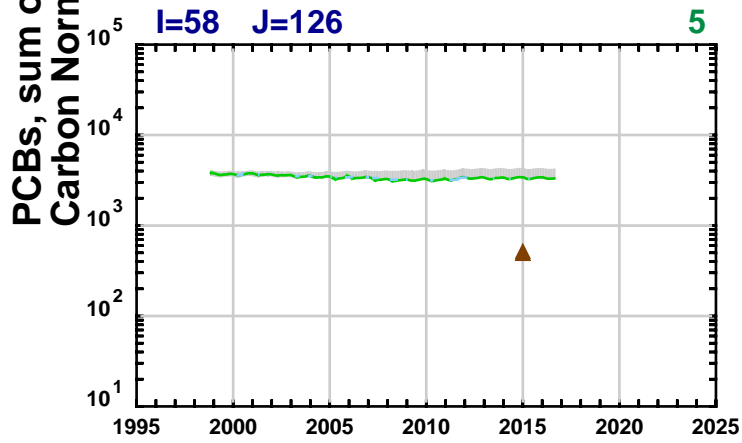
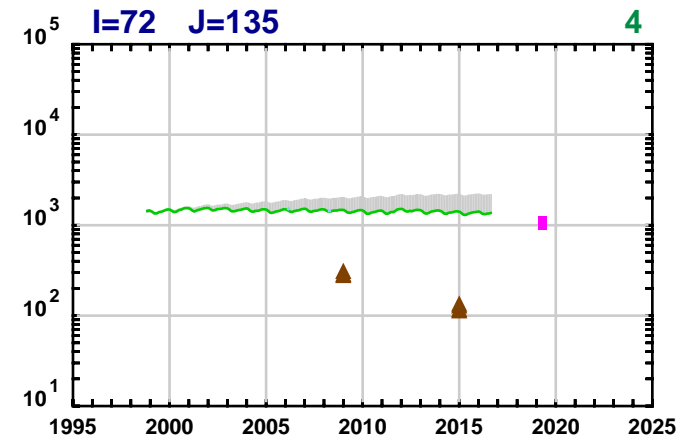
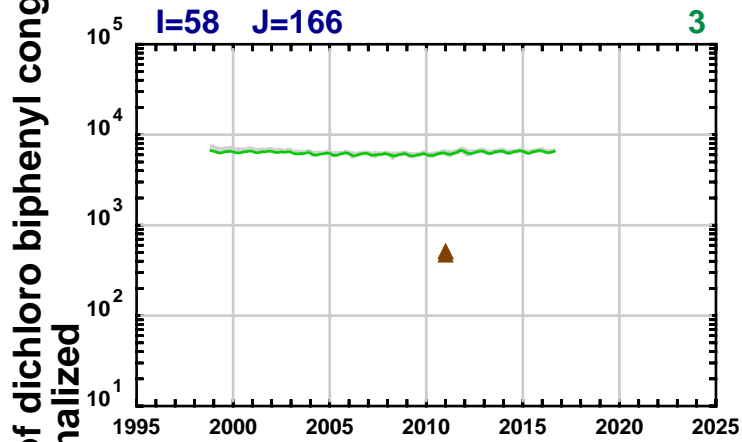
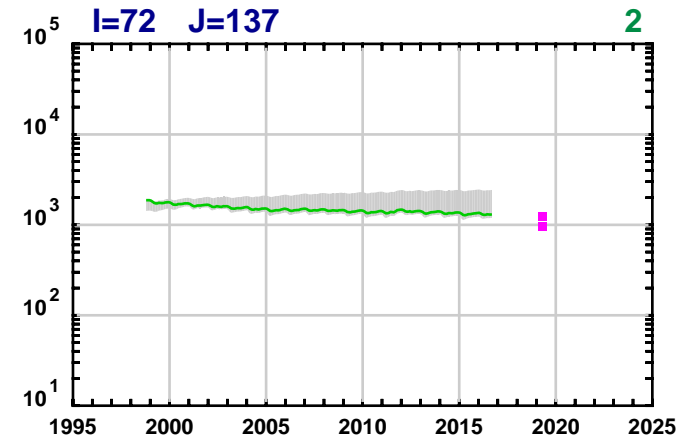
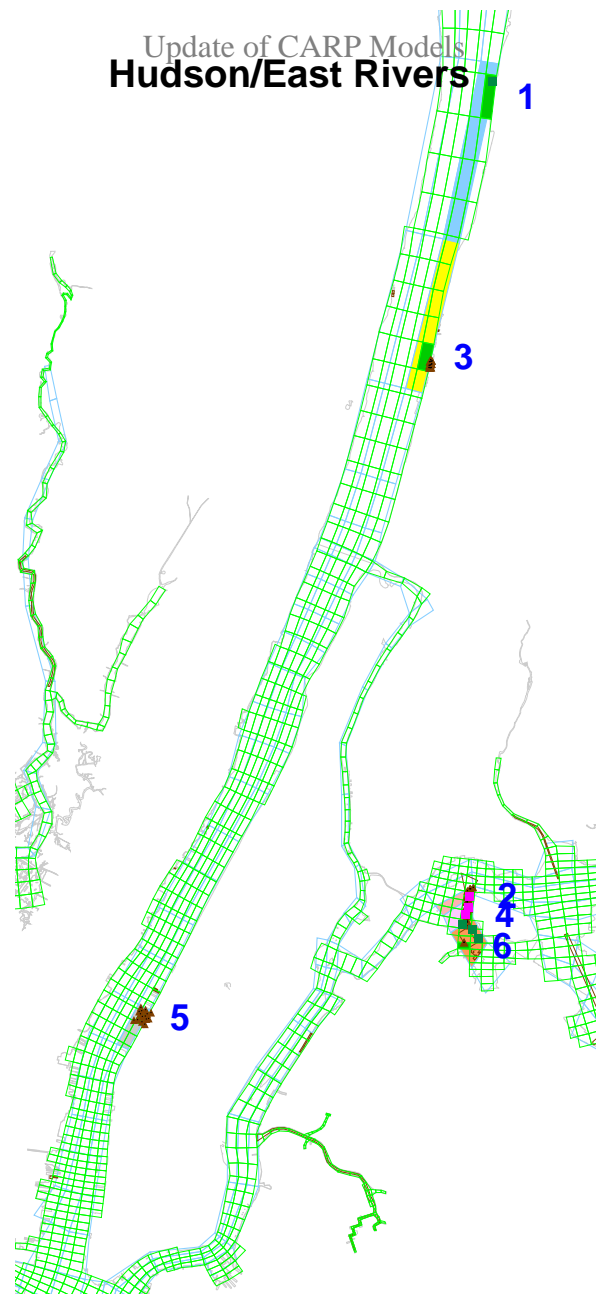
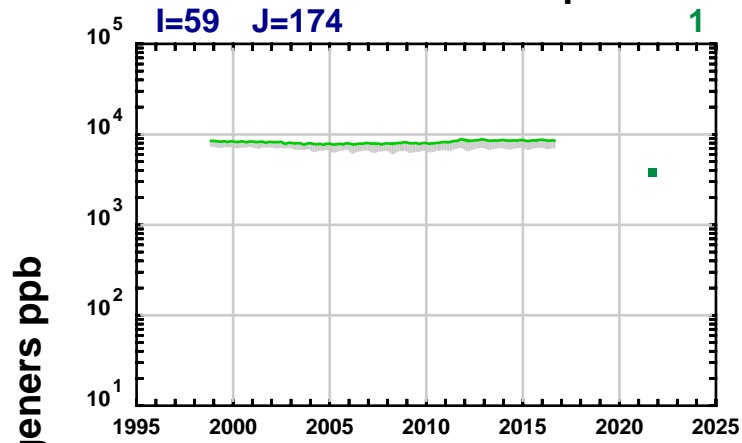


RUN18

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

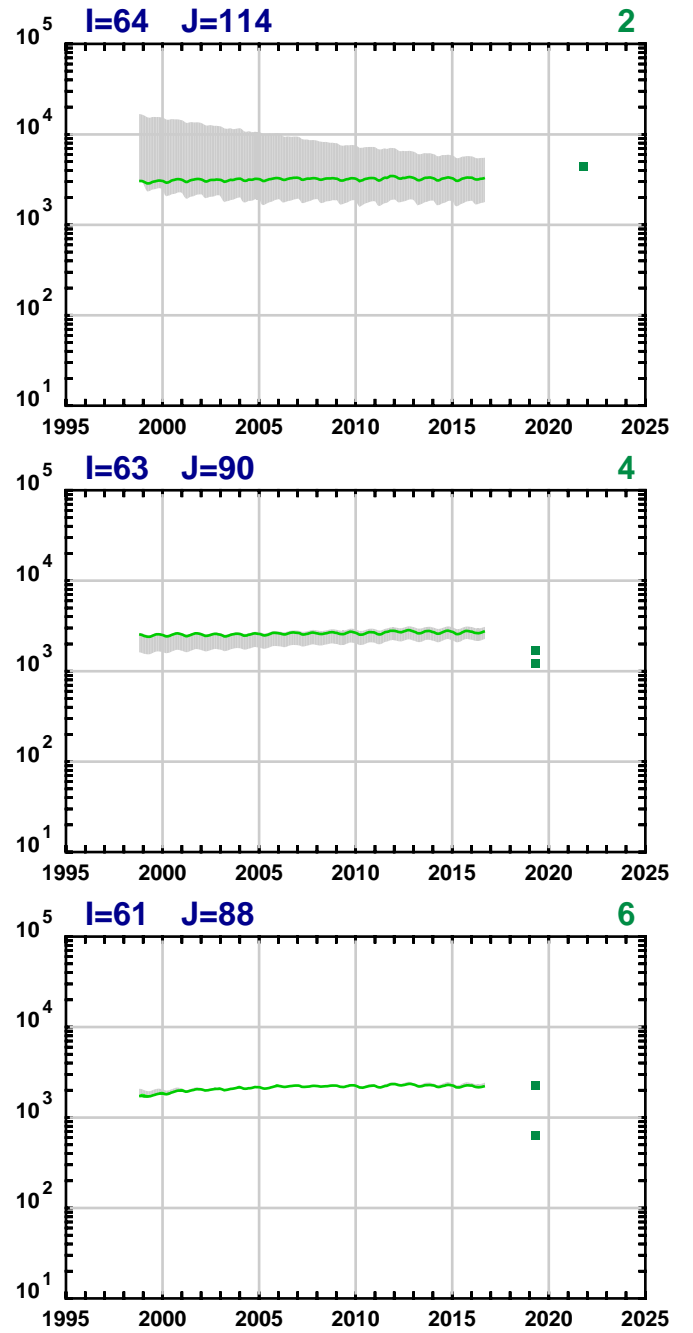
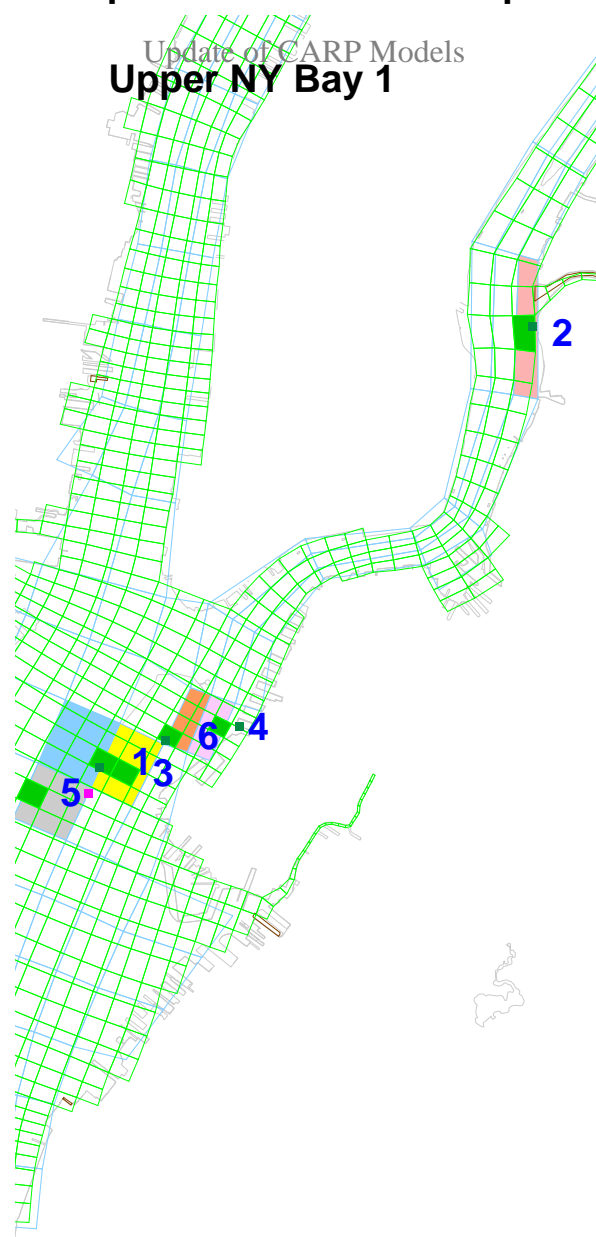
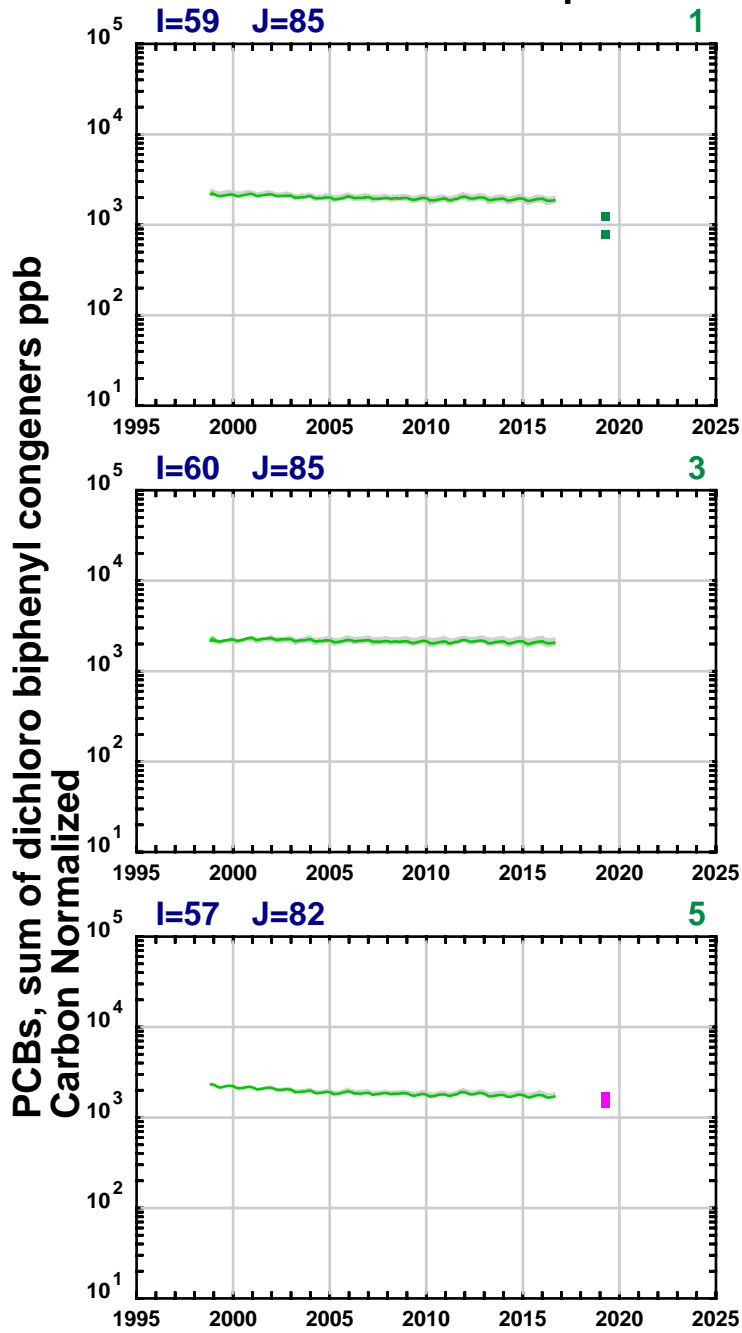


RUN18

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

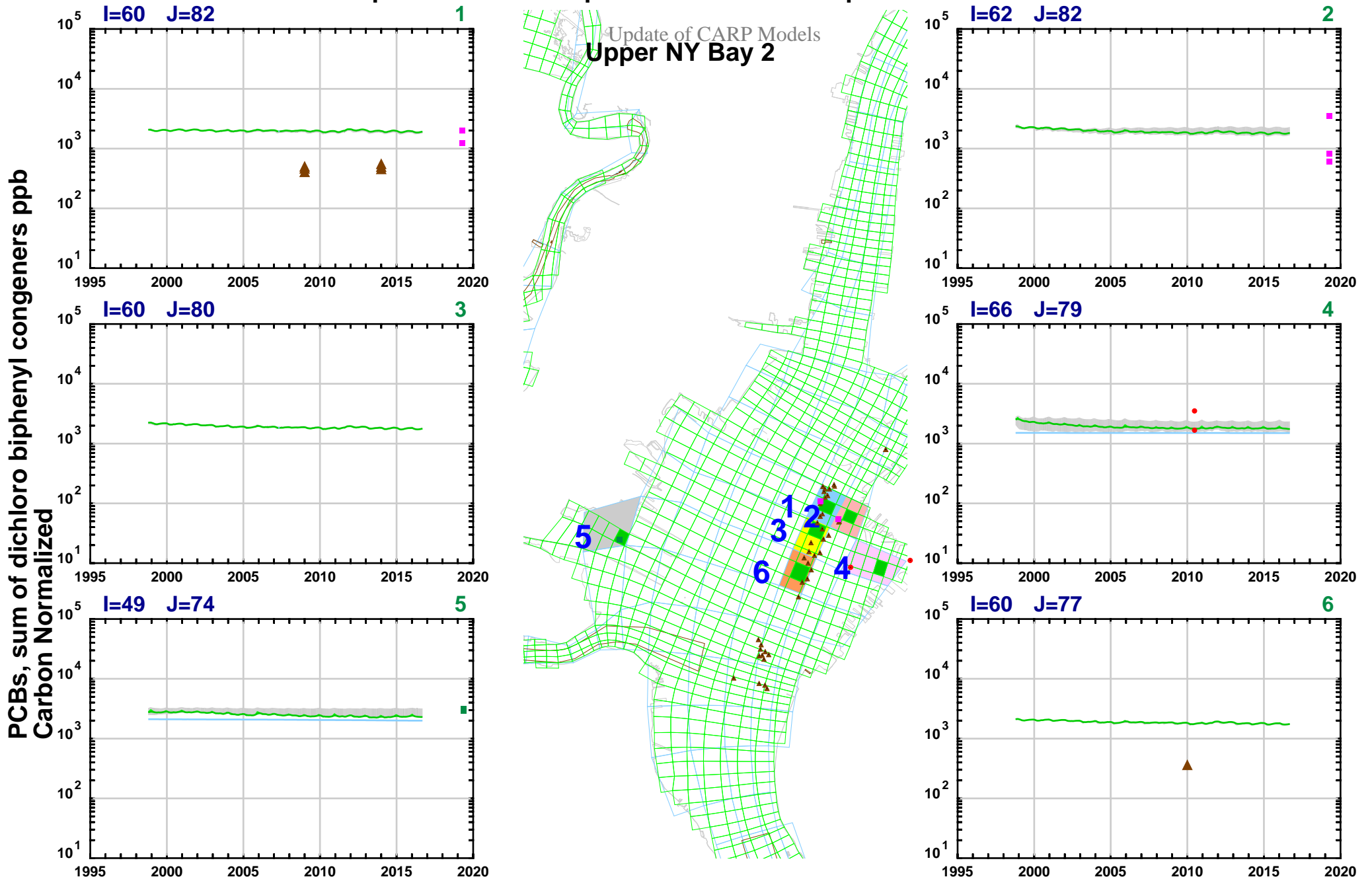


RUN18

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

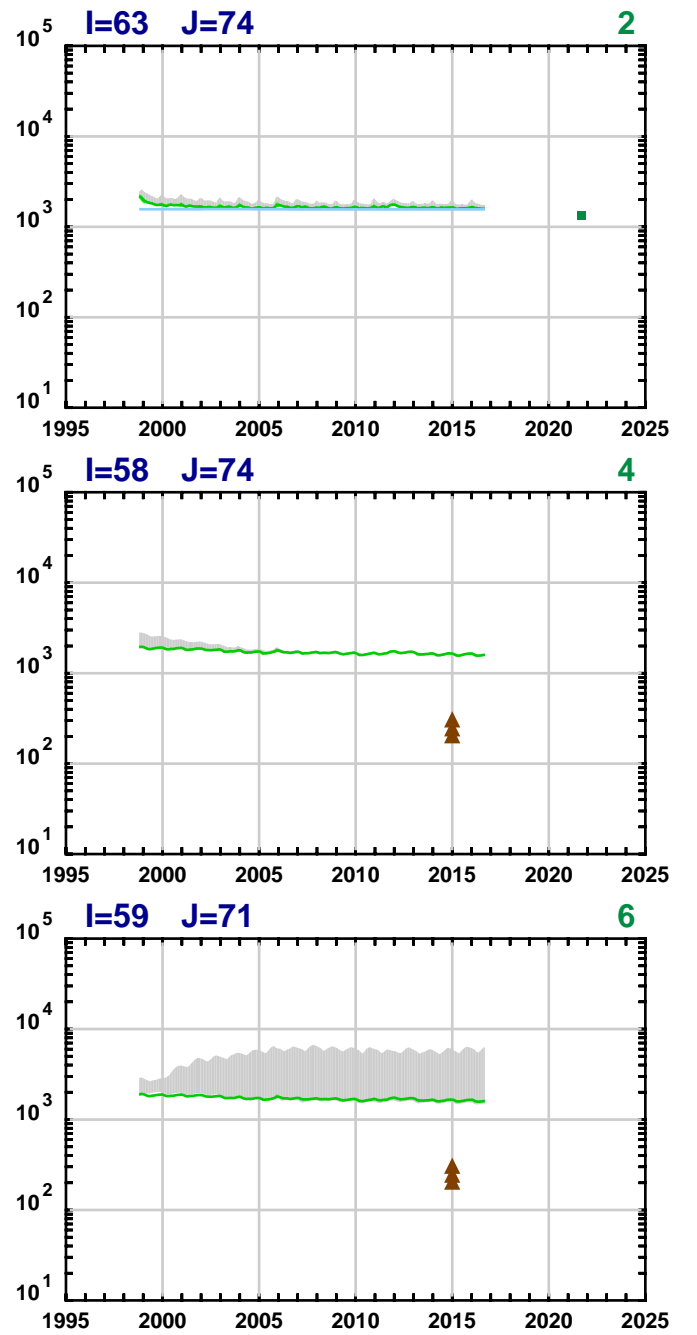
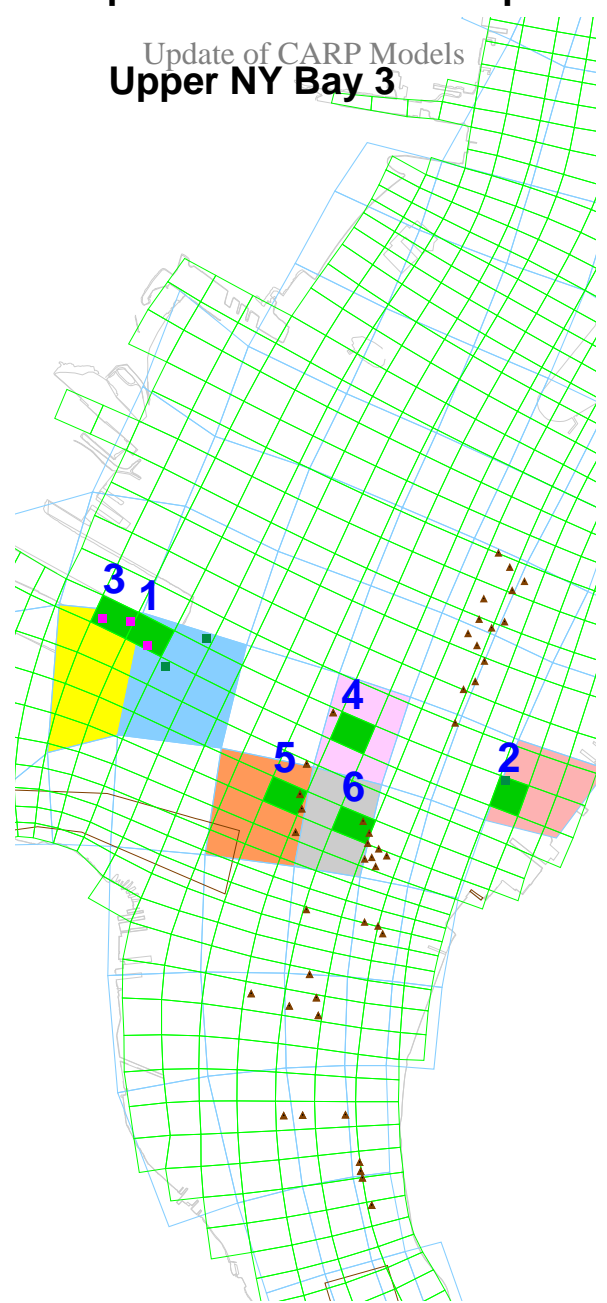
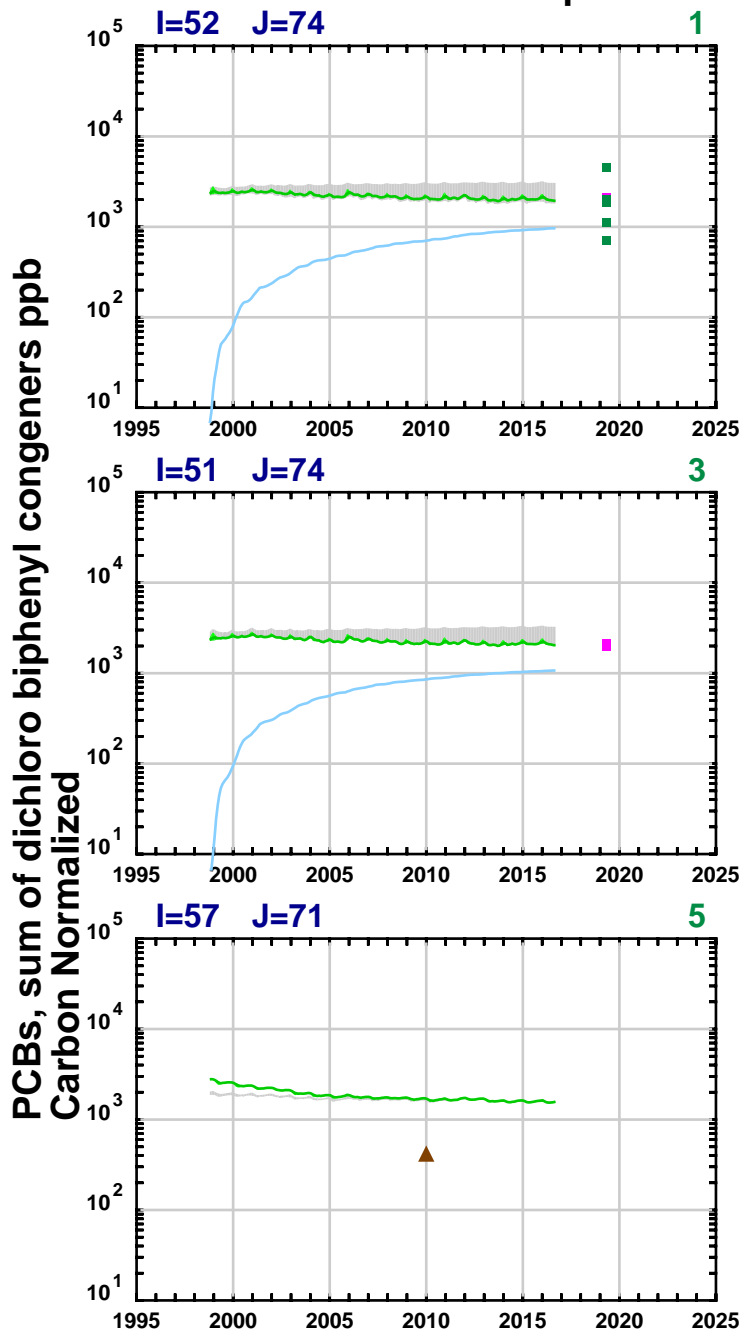


RUN18

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

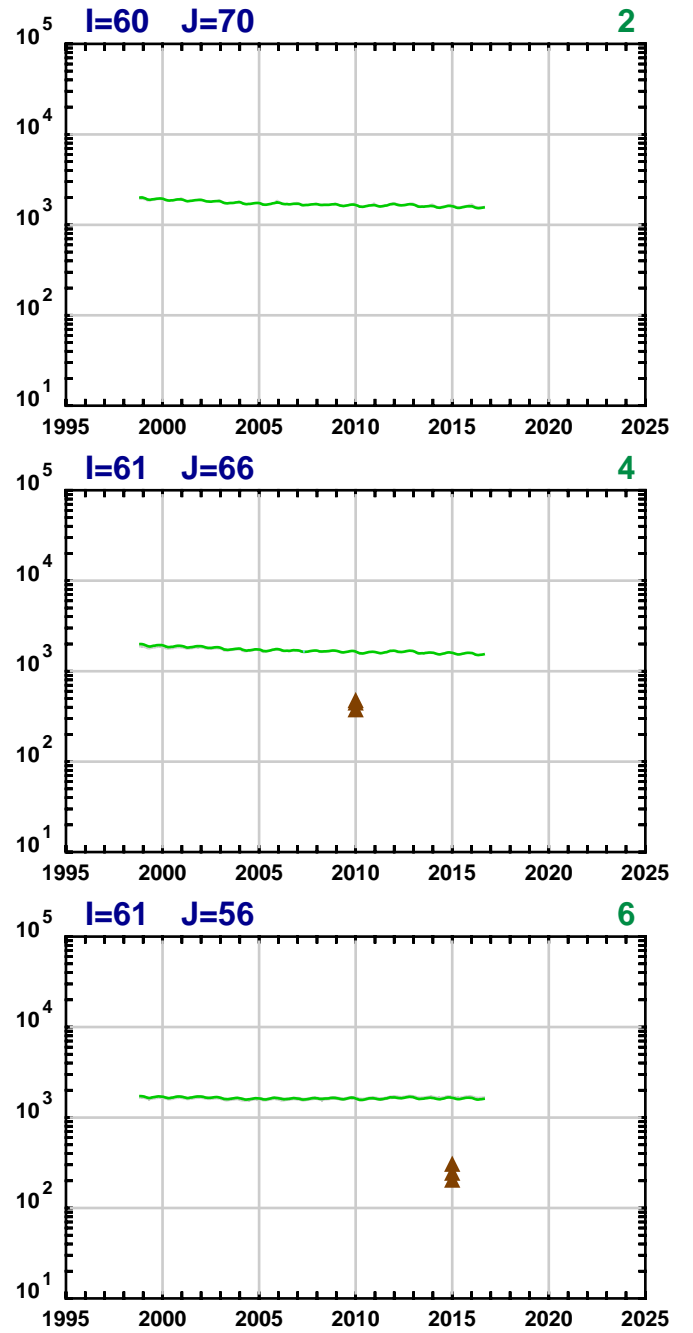
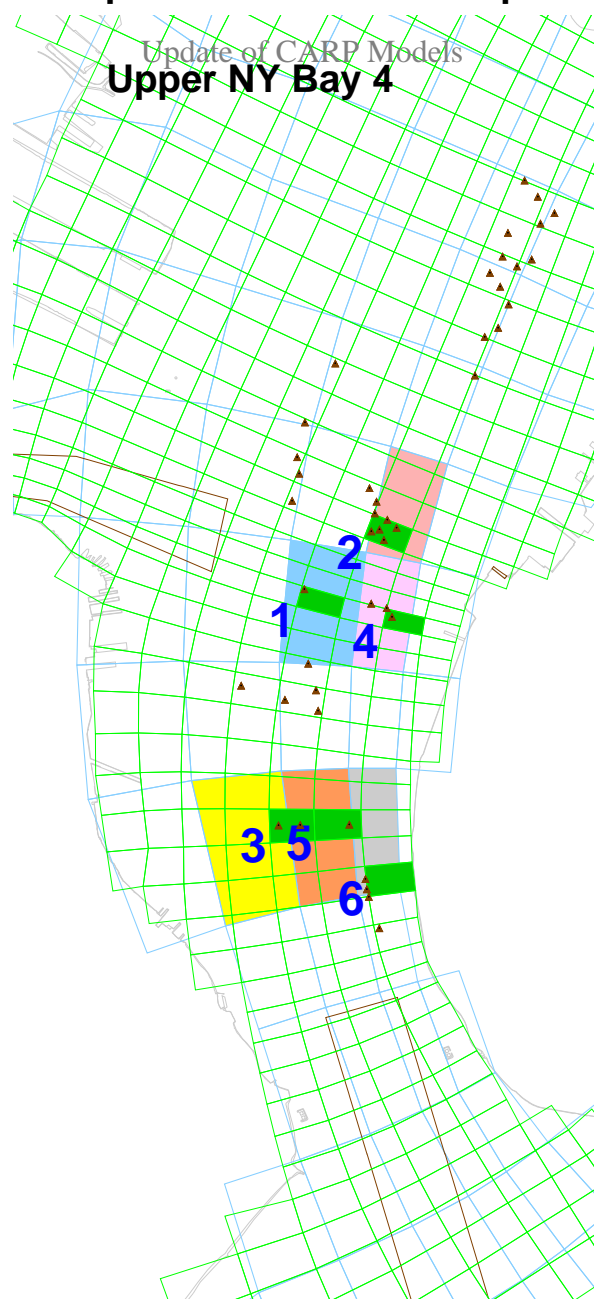
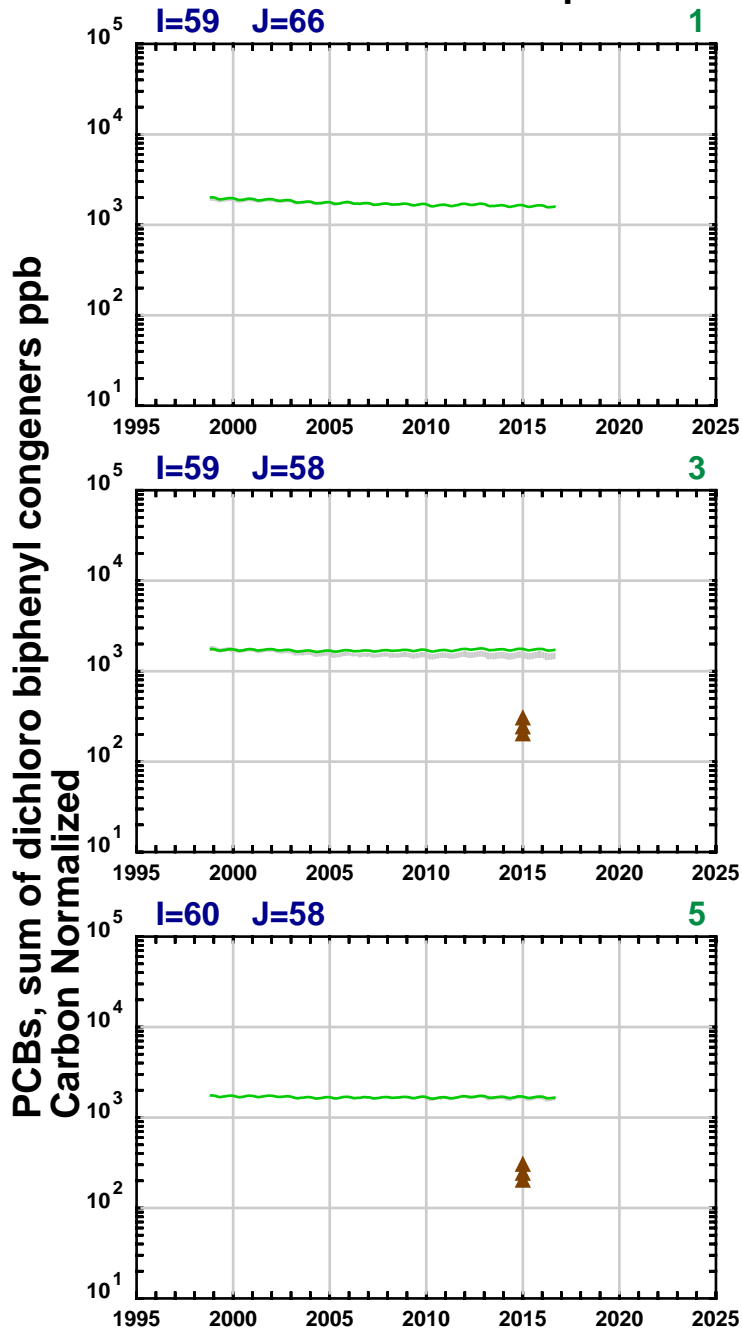


RUN18

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

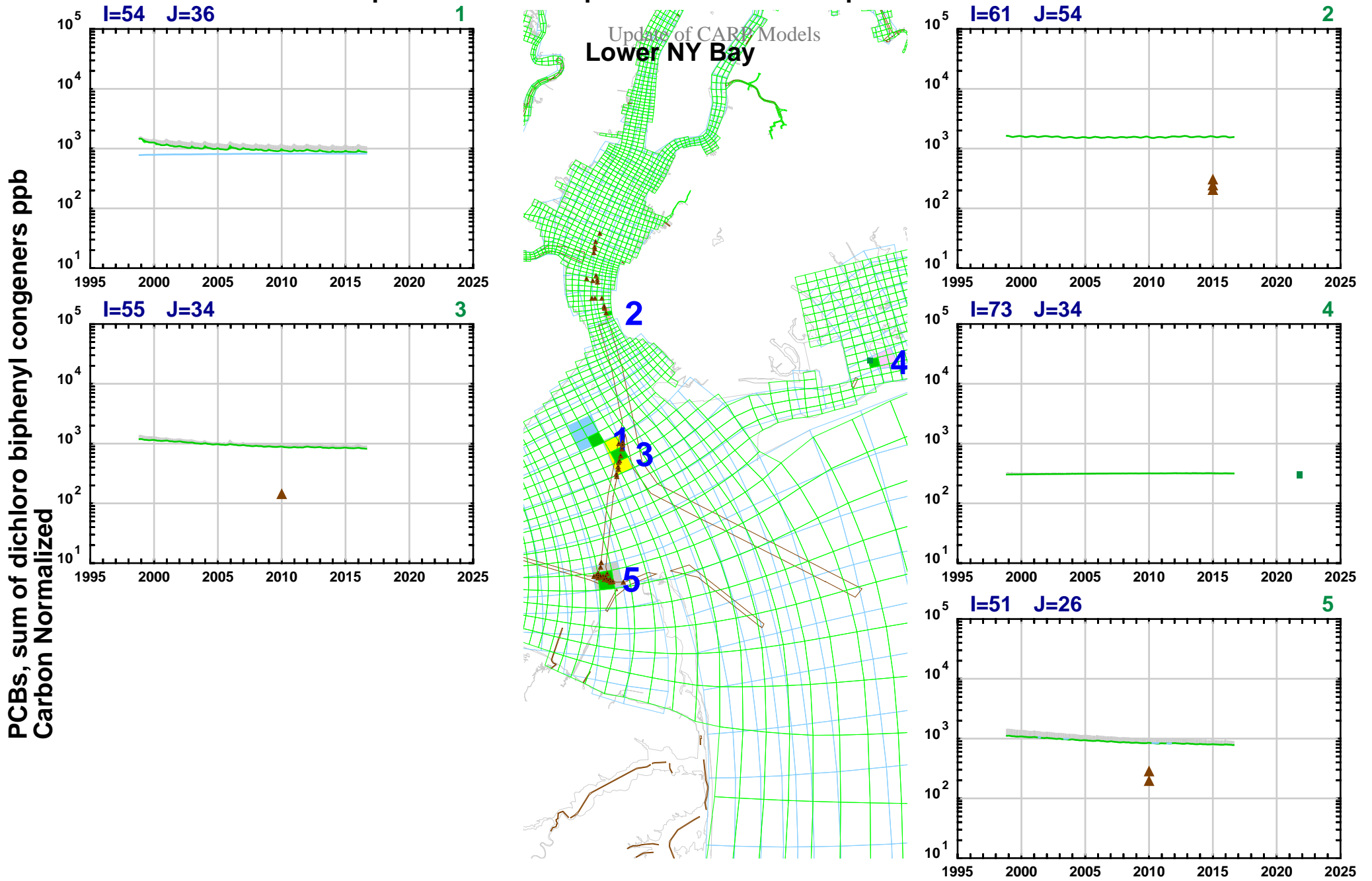


RUN18

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



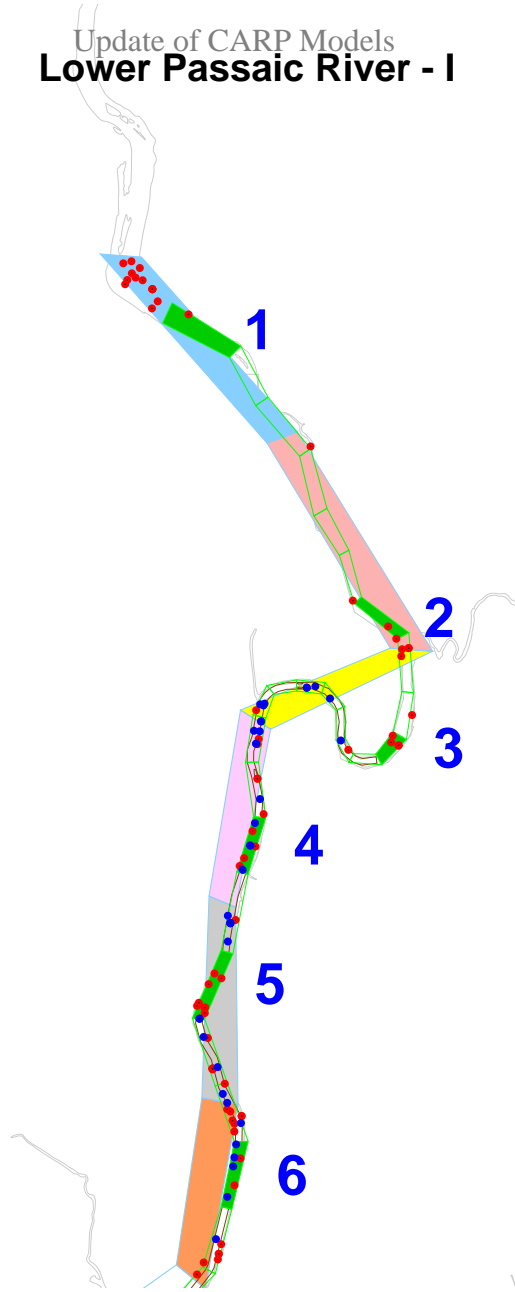
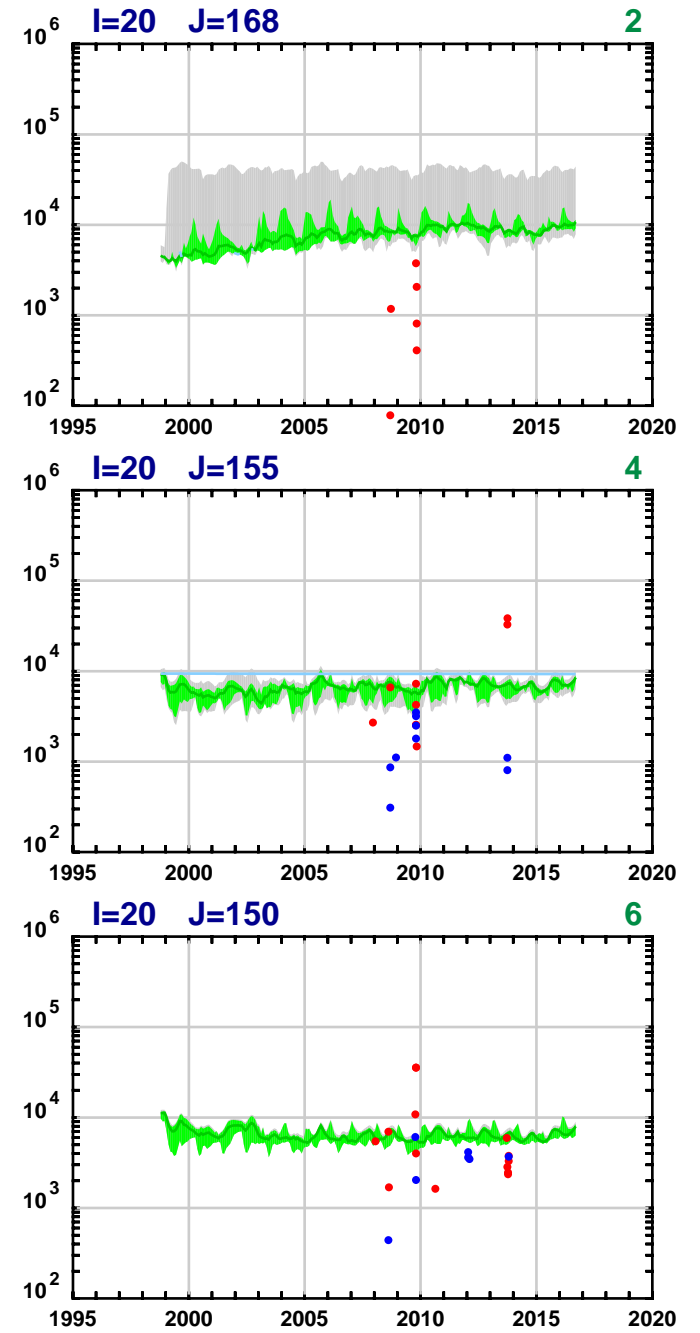
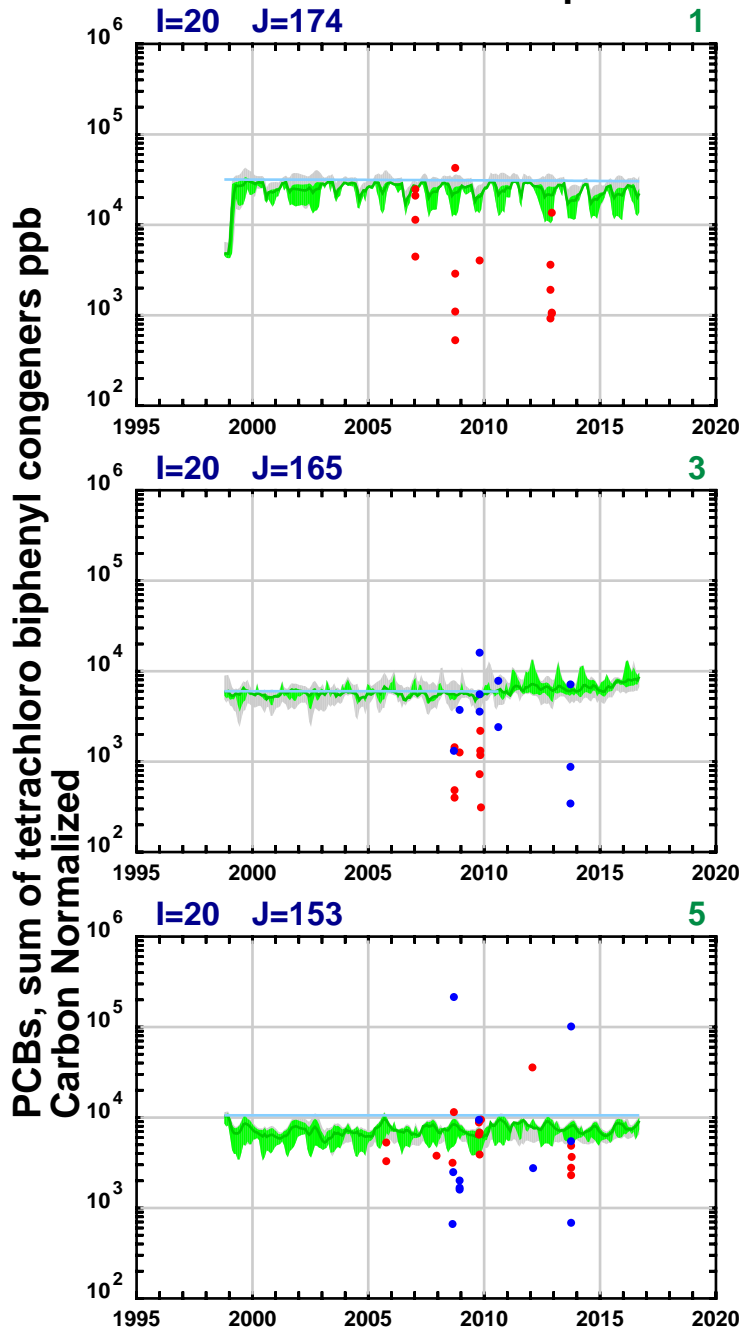
RUN18

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

● 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

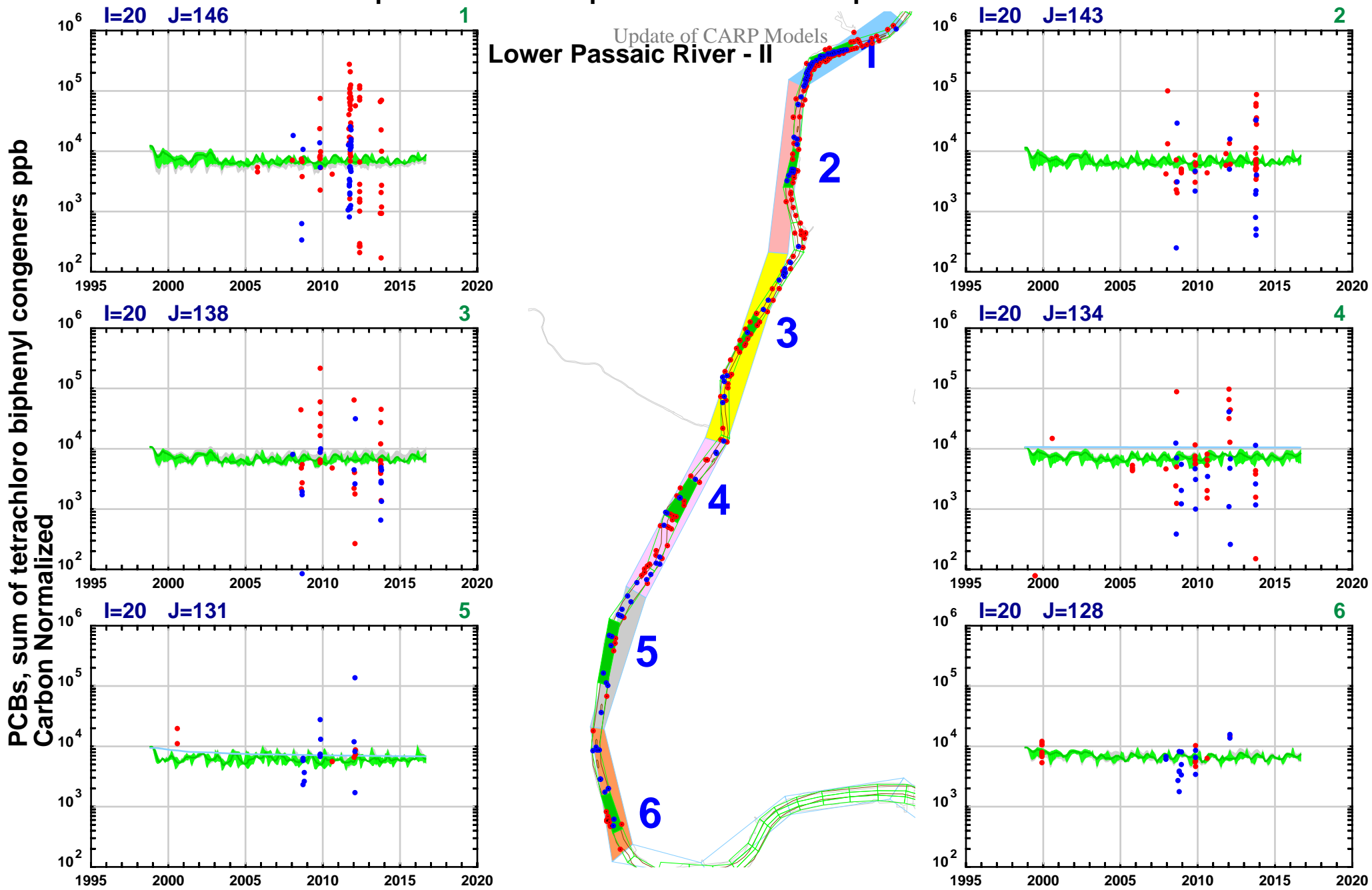


RUN18

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

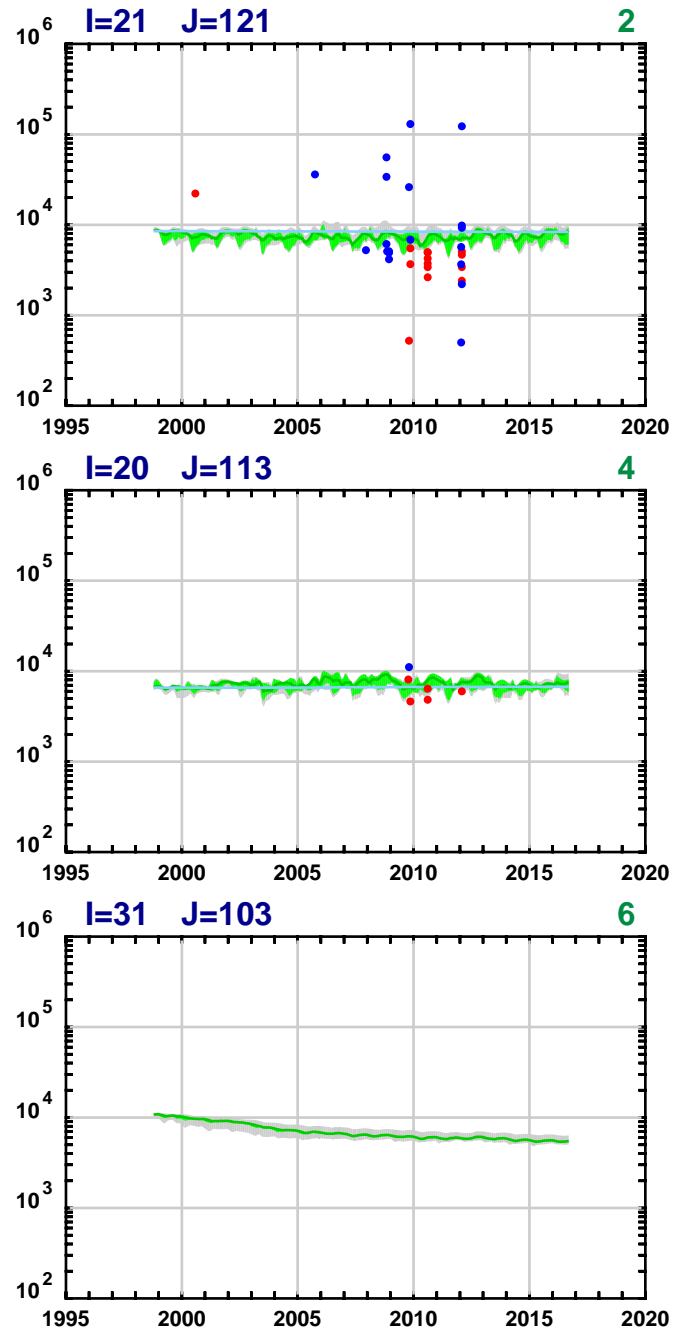
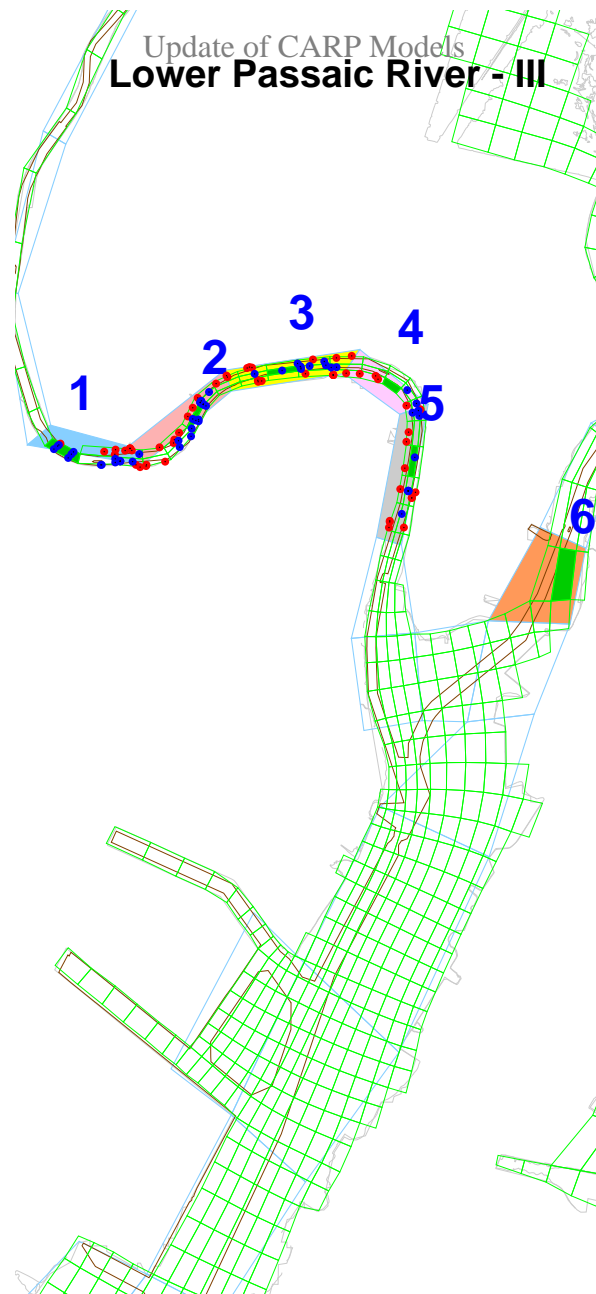
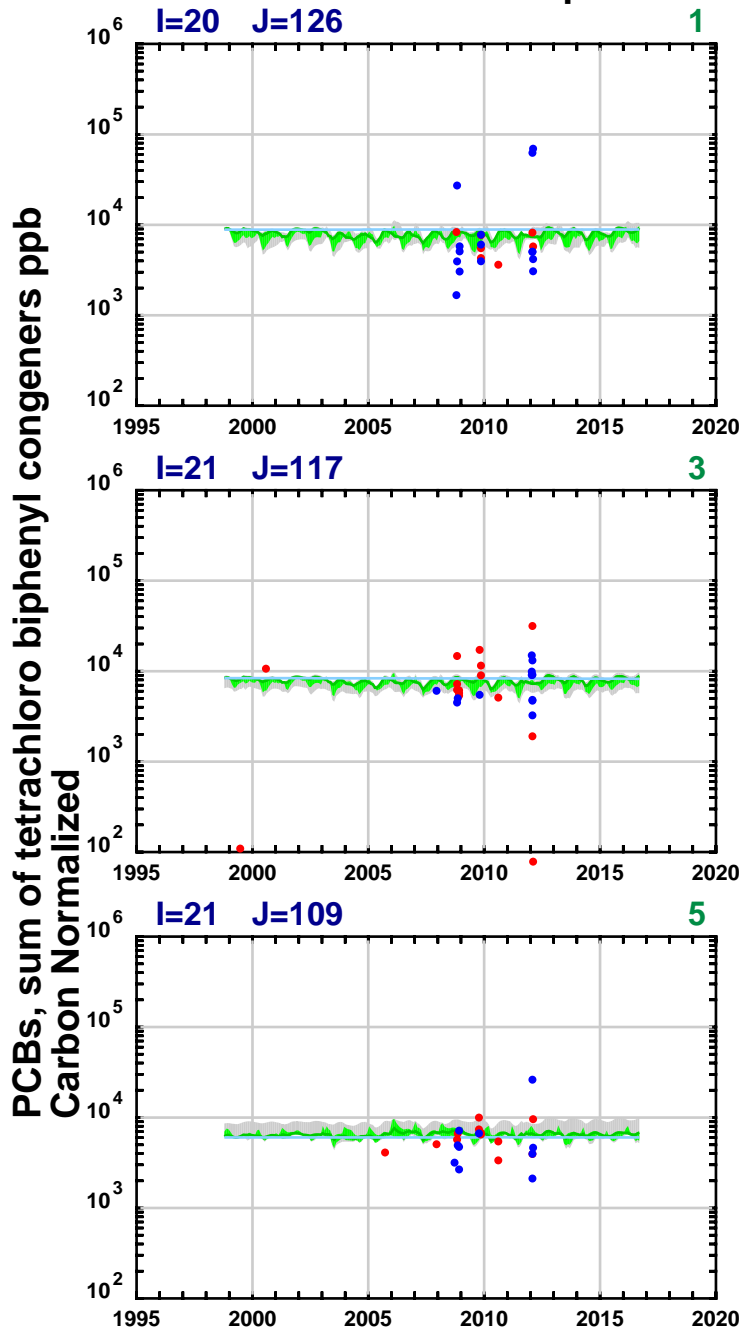


RUN18

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

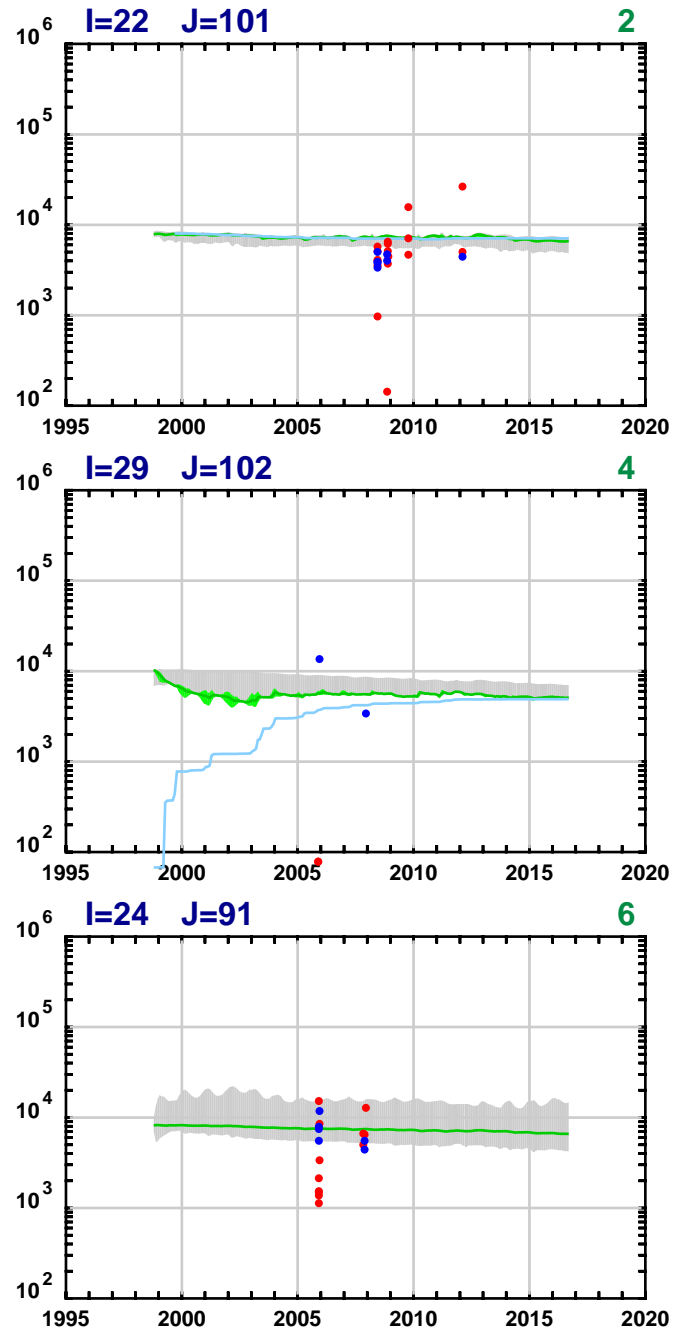
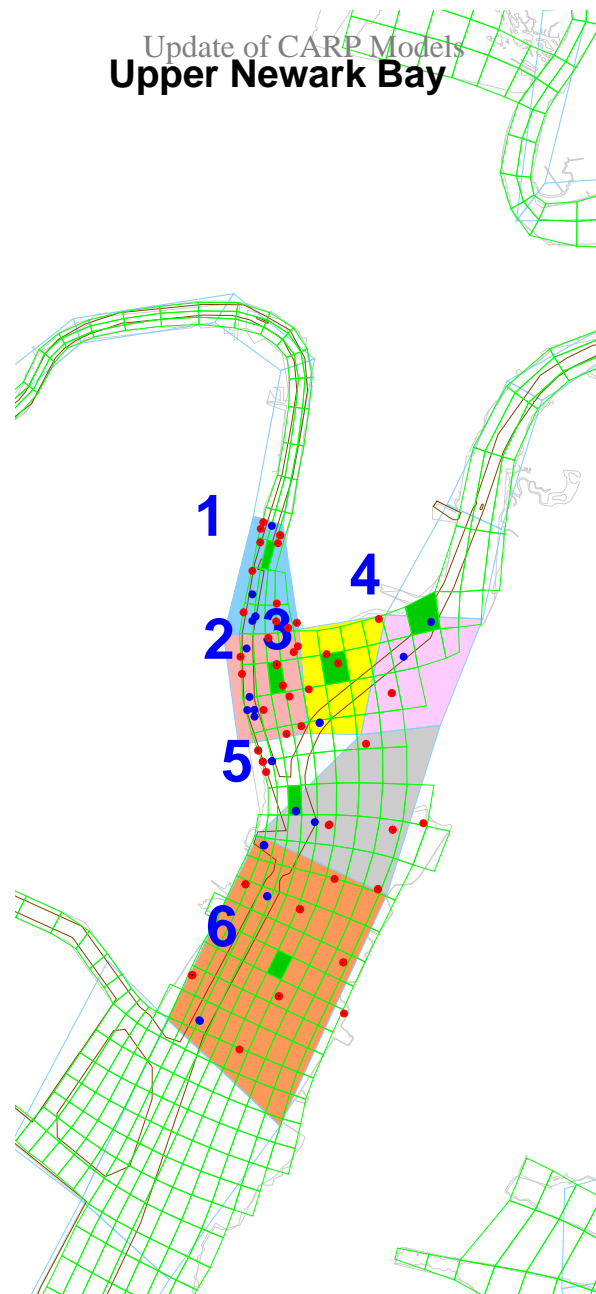
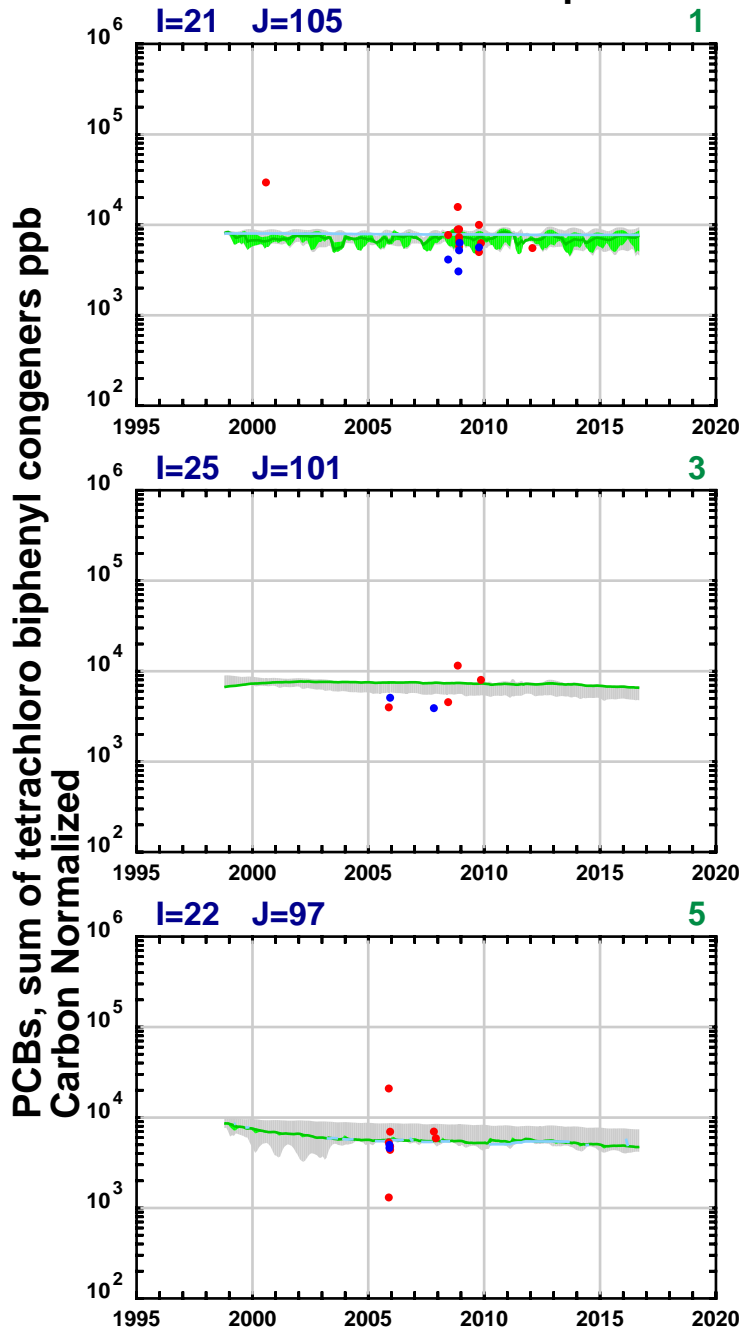


RUN18

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

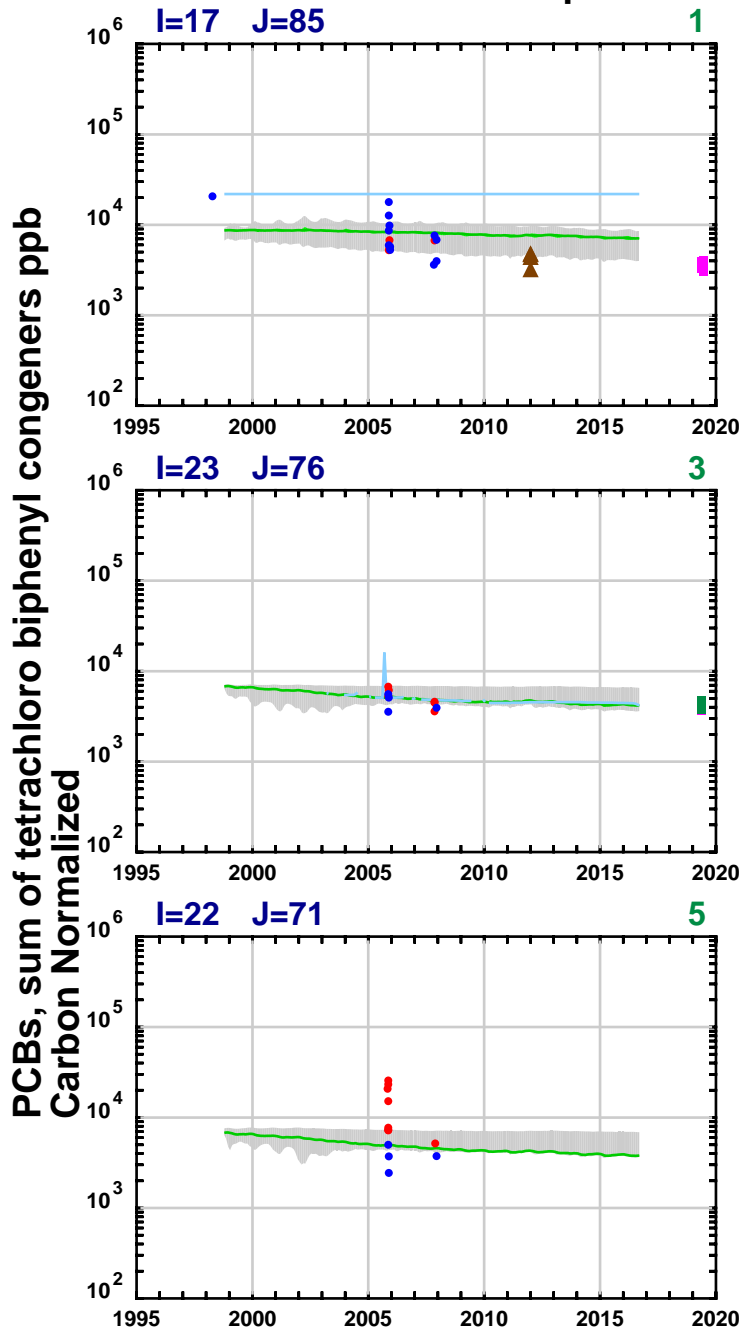


RUN18

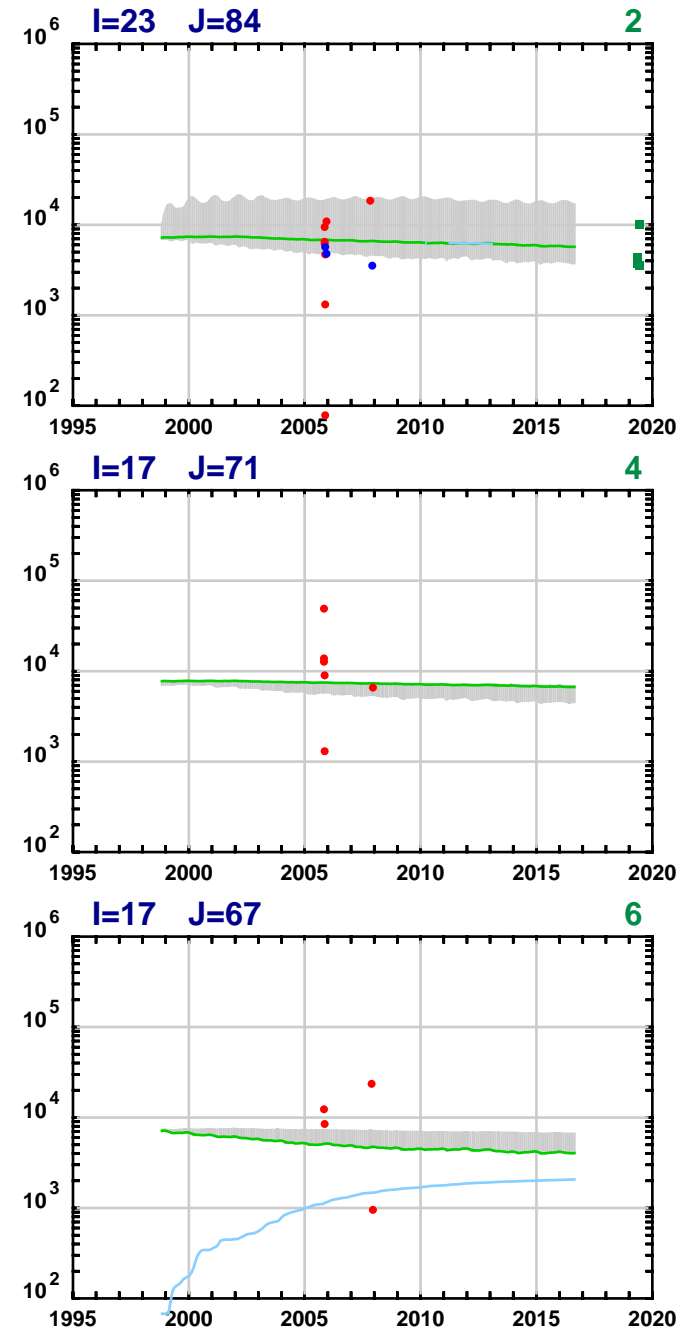
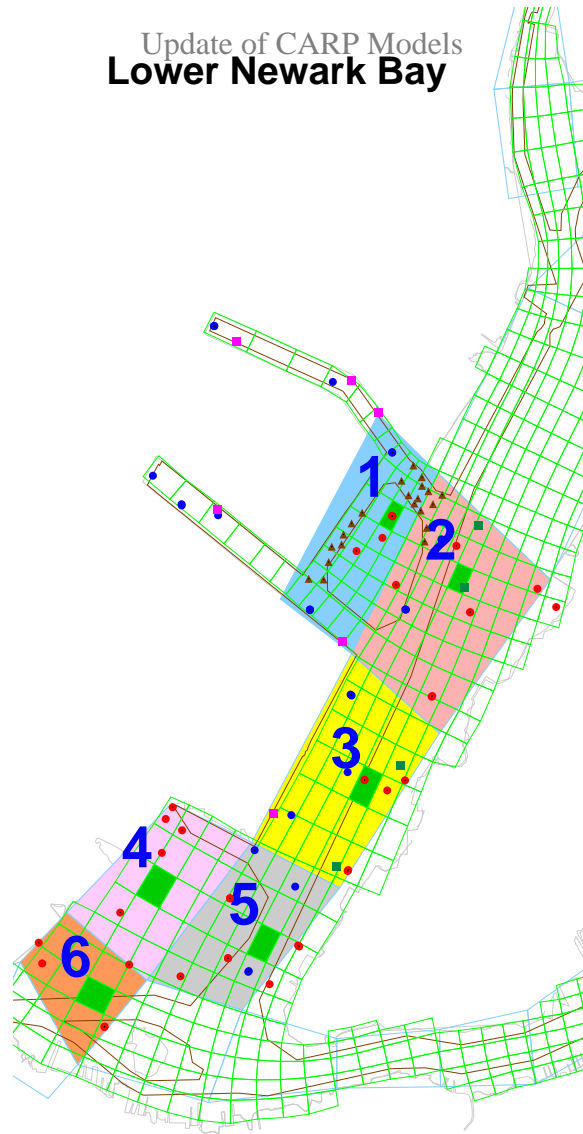
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● 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



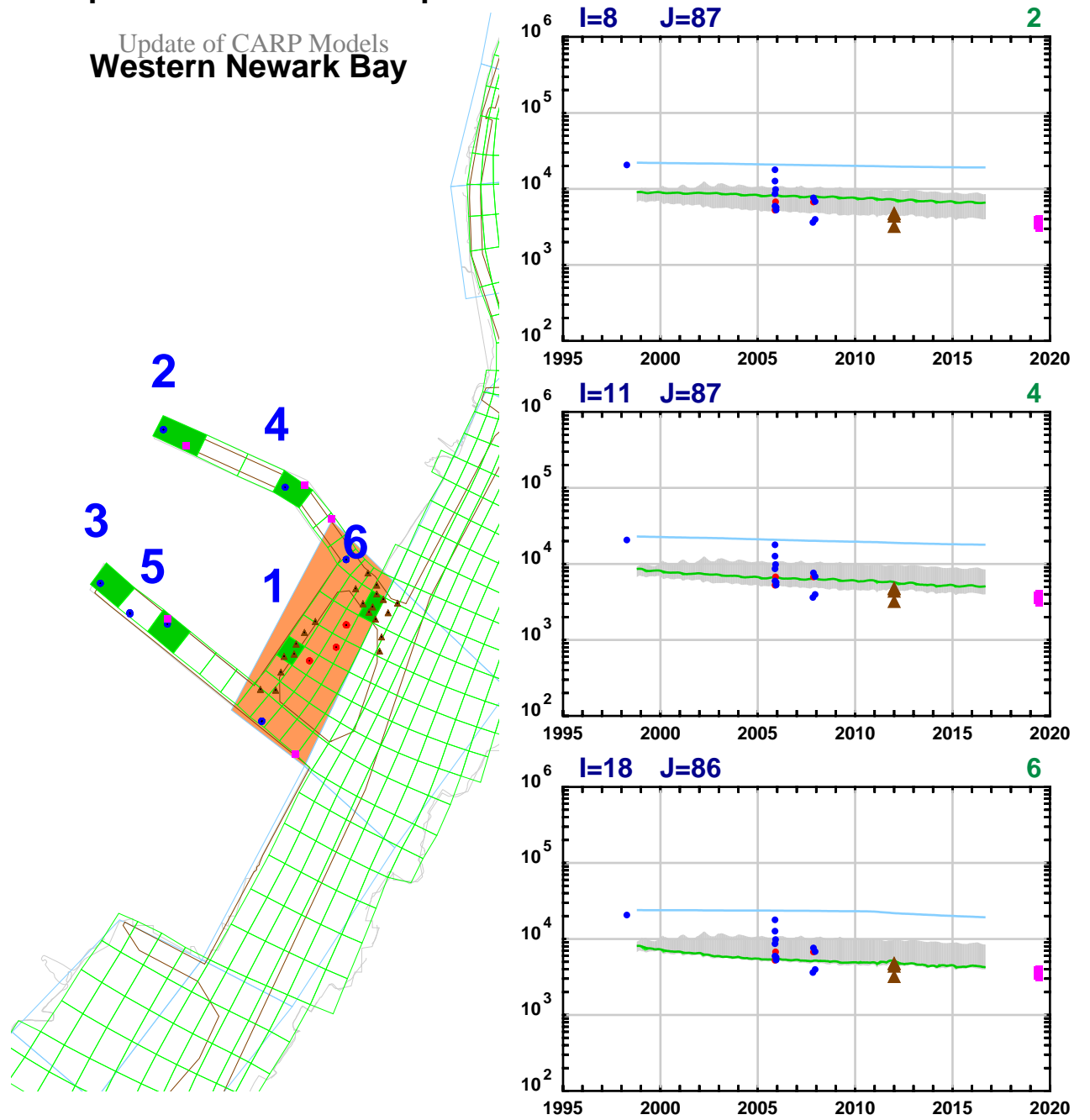
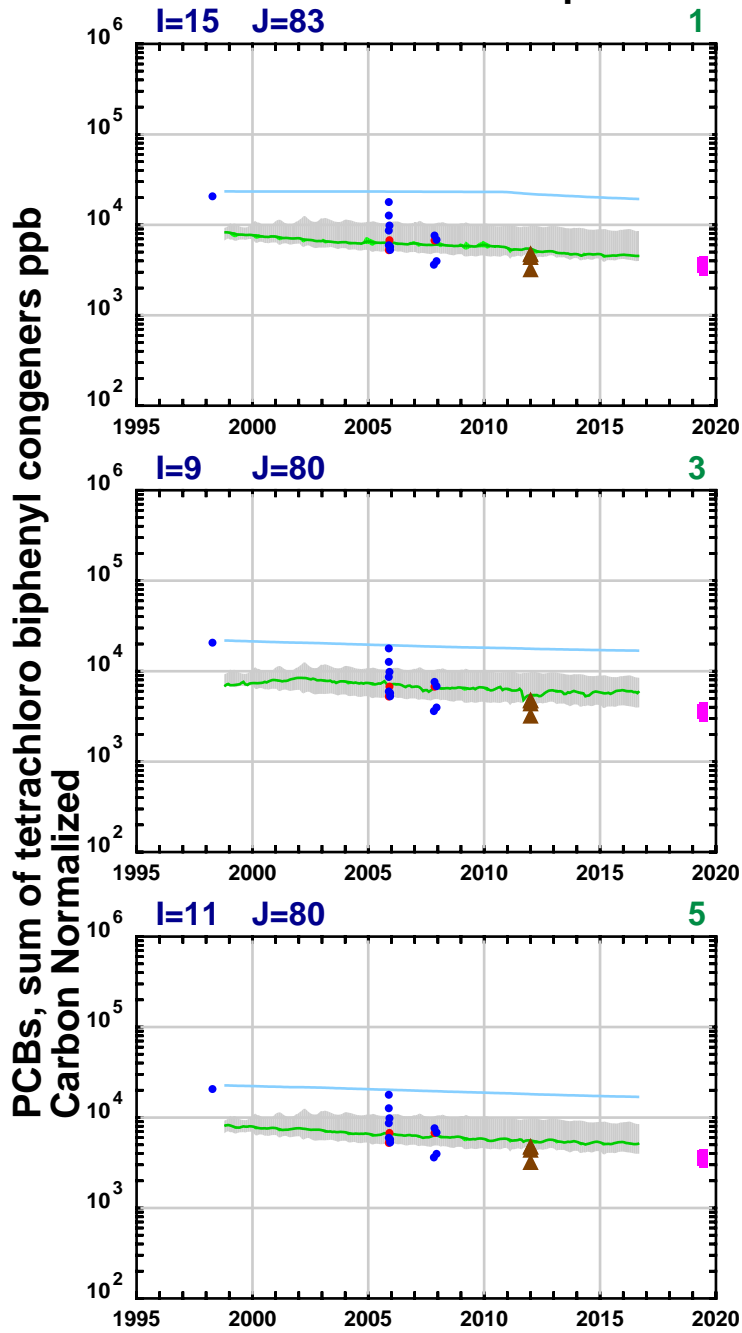
RUN18

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



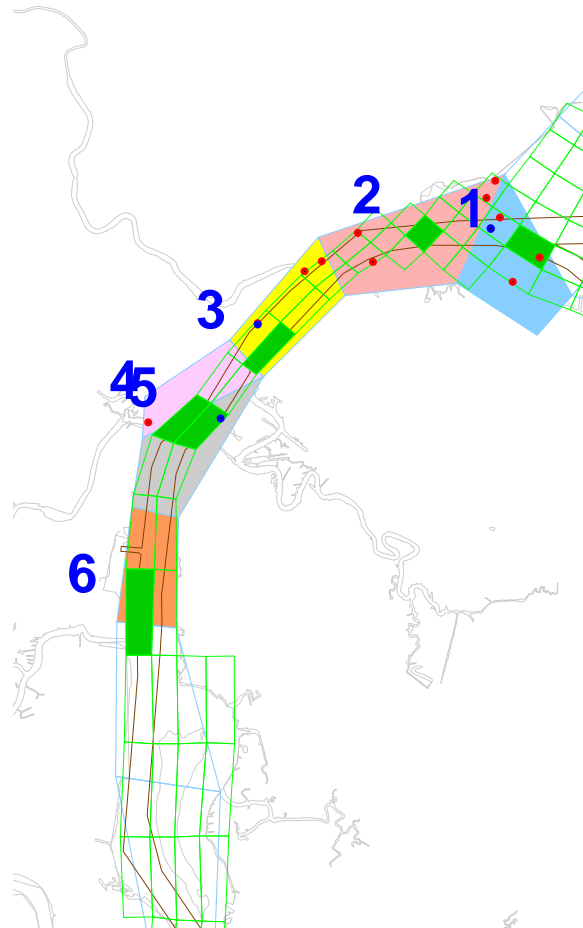
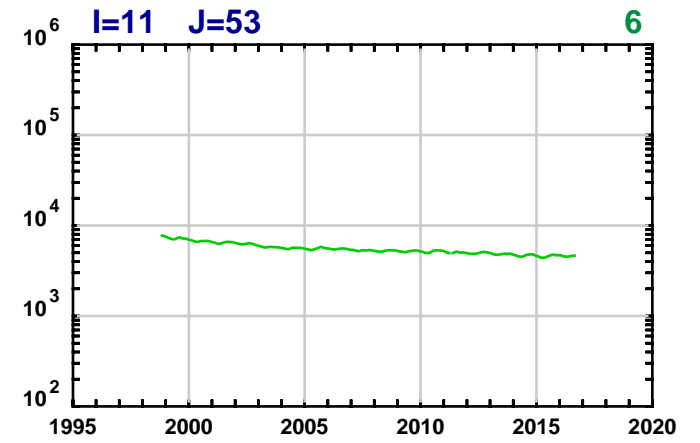
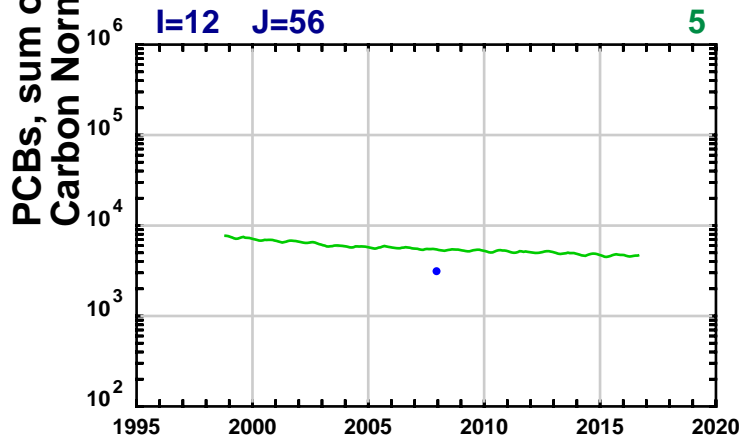
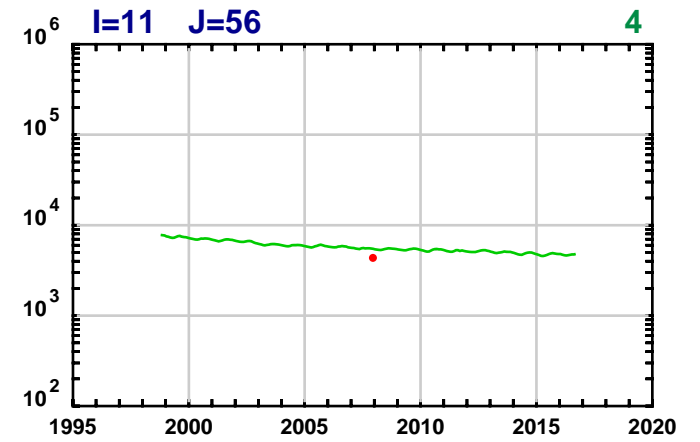
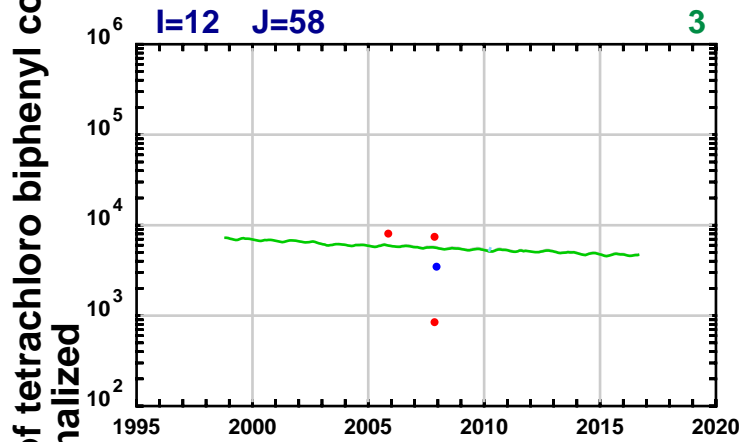
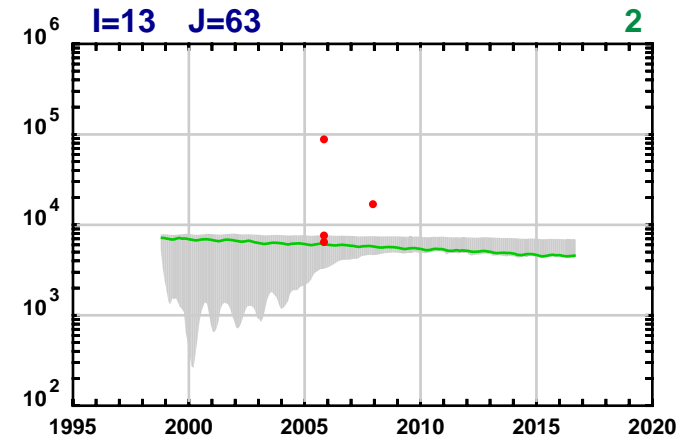
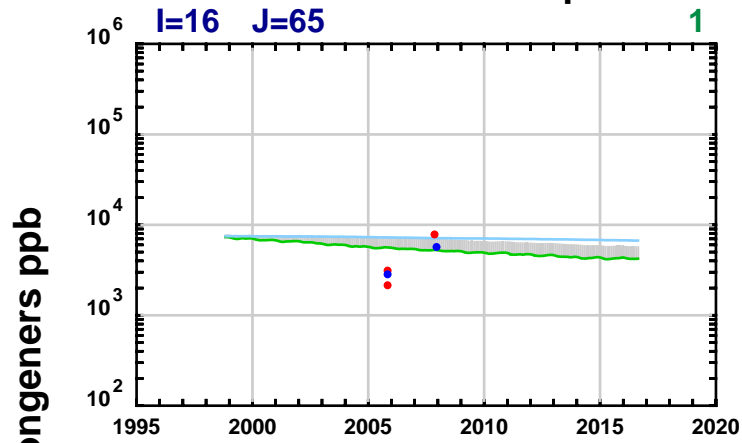
RUN18

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



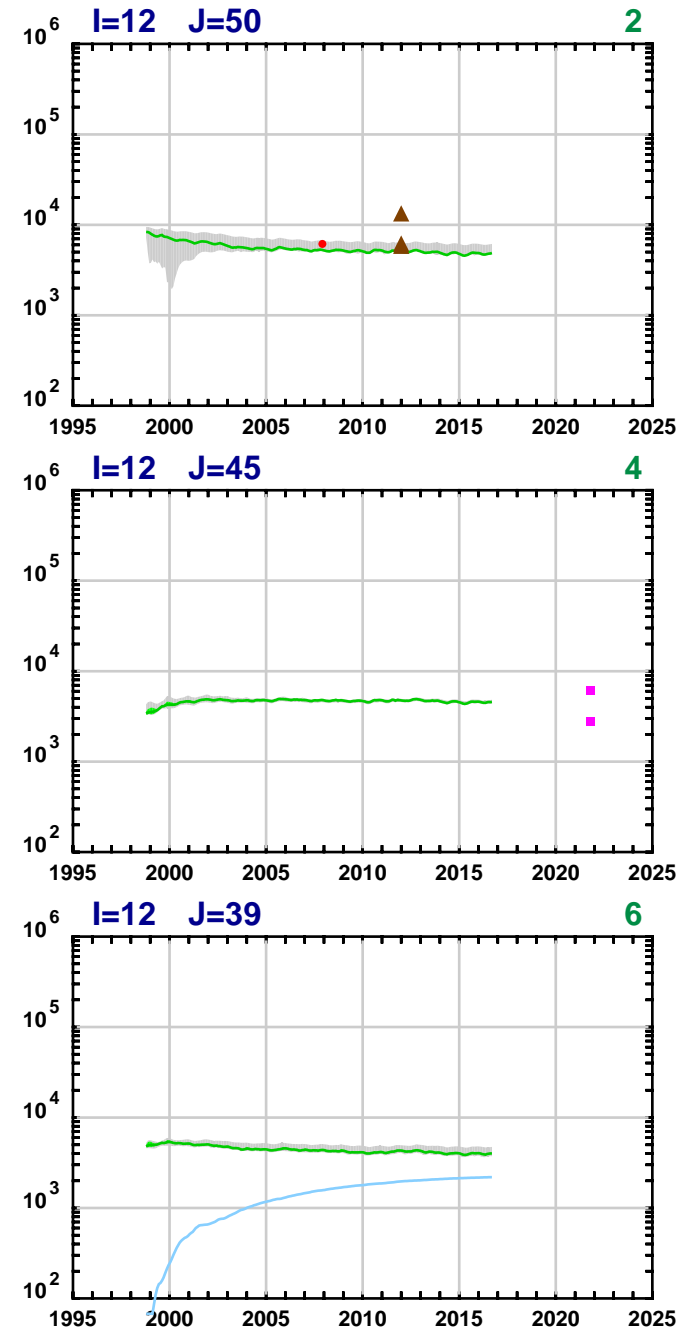
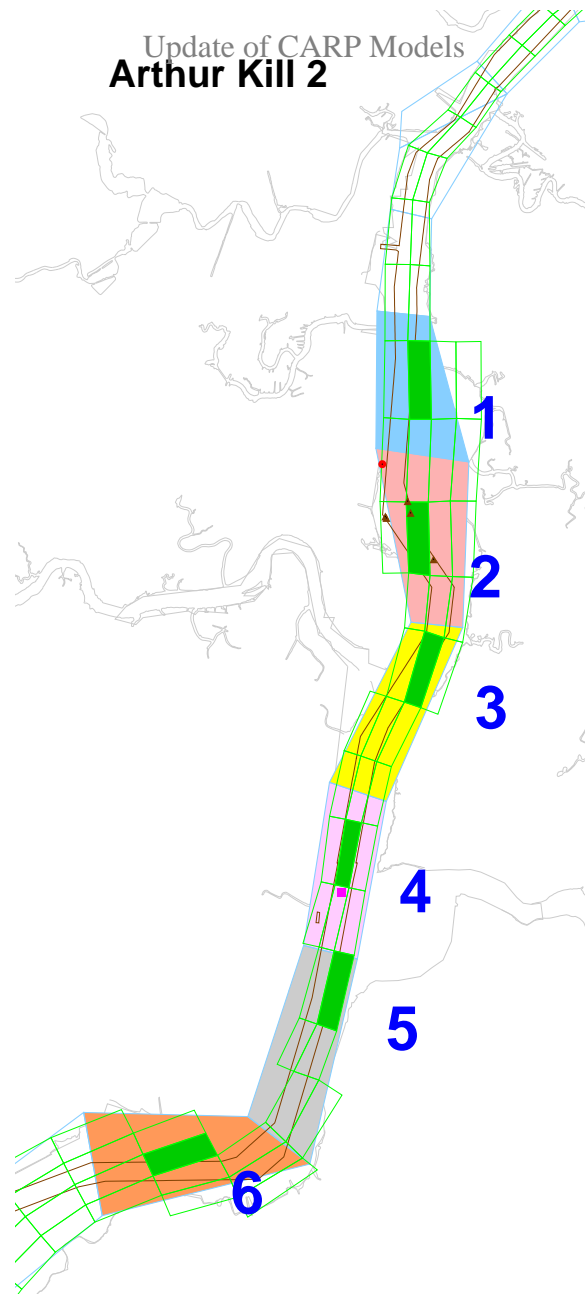
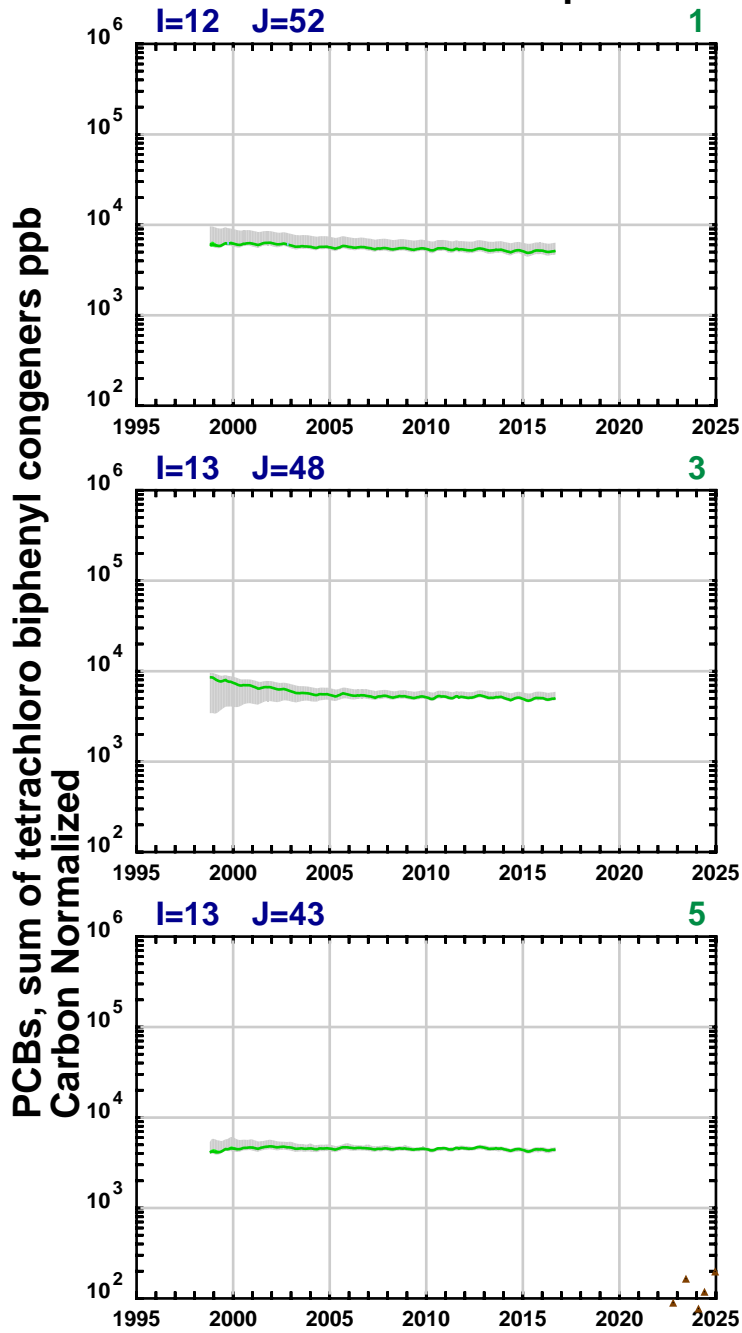
PCBs, sum of tetrachloro biphenyl congeners ppb
Carbon Normalized

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

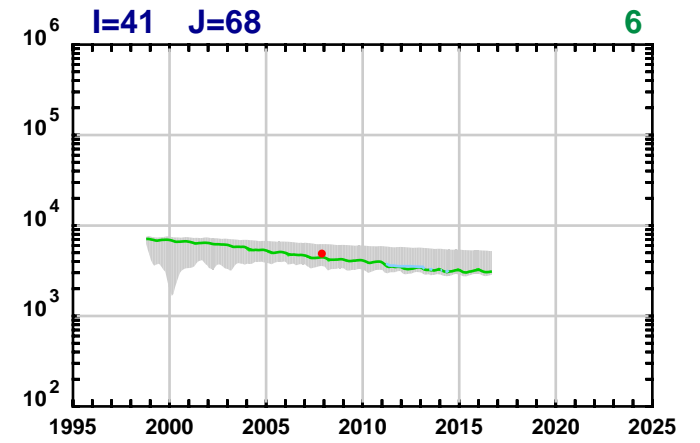
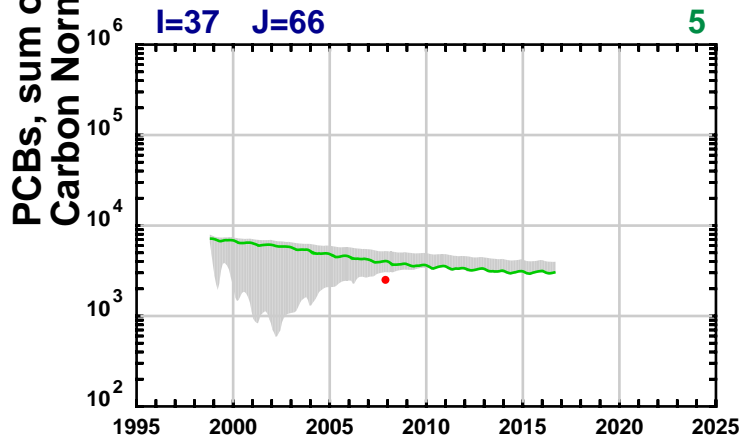
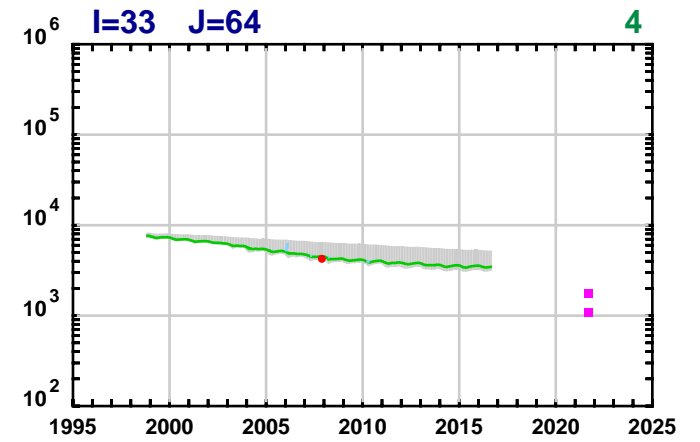
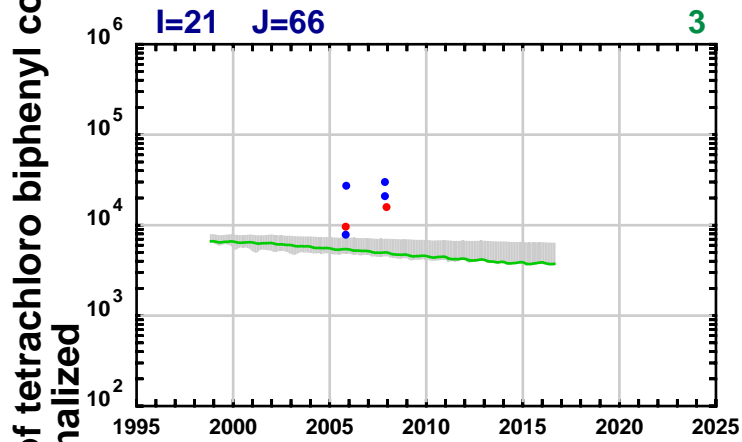
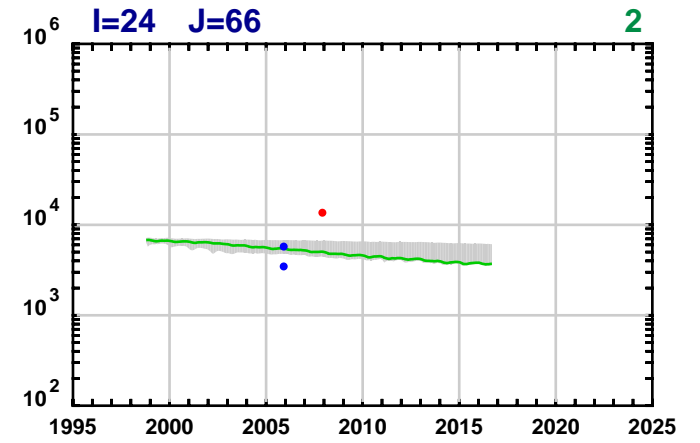
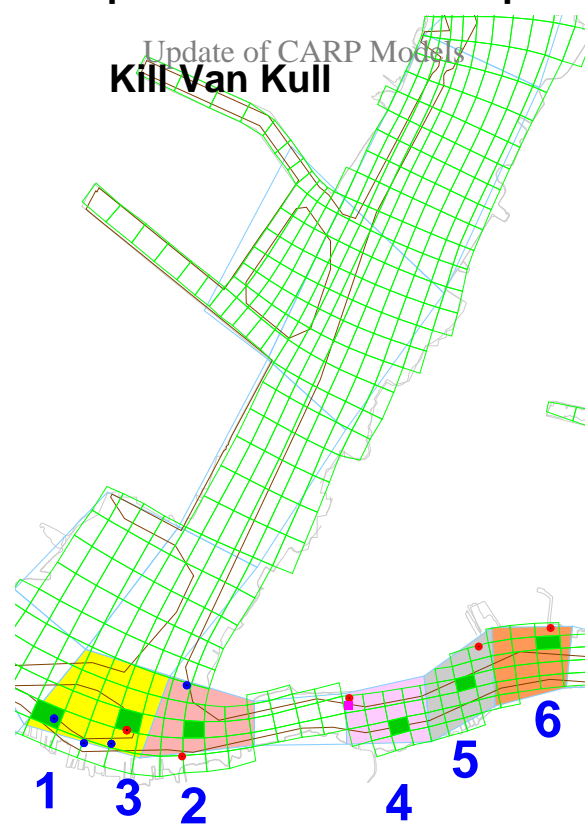
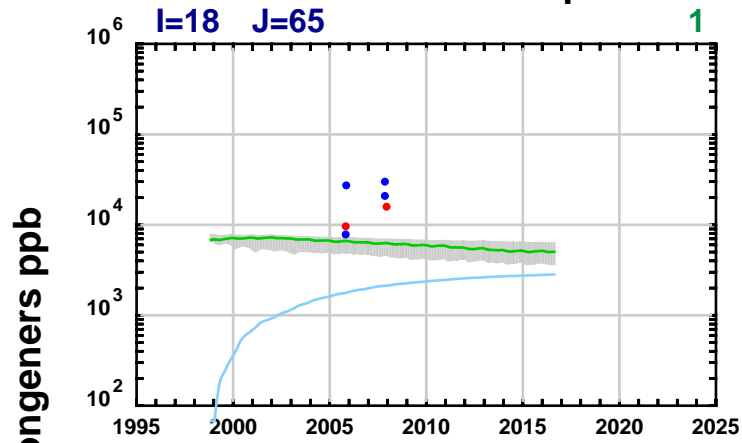


RUN18

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

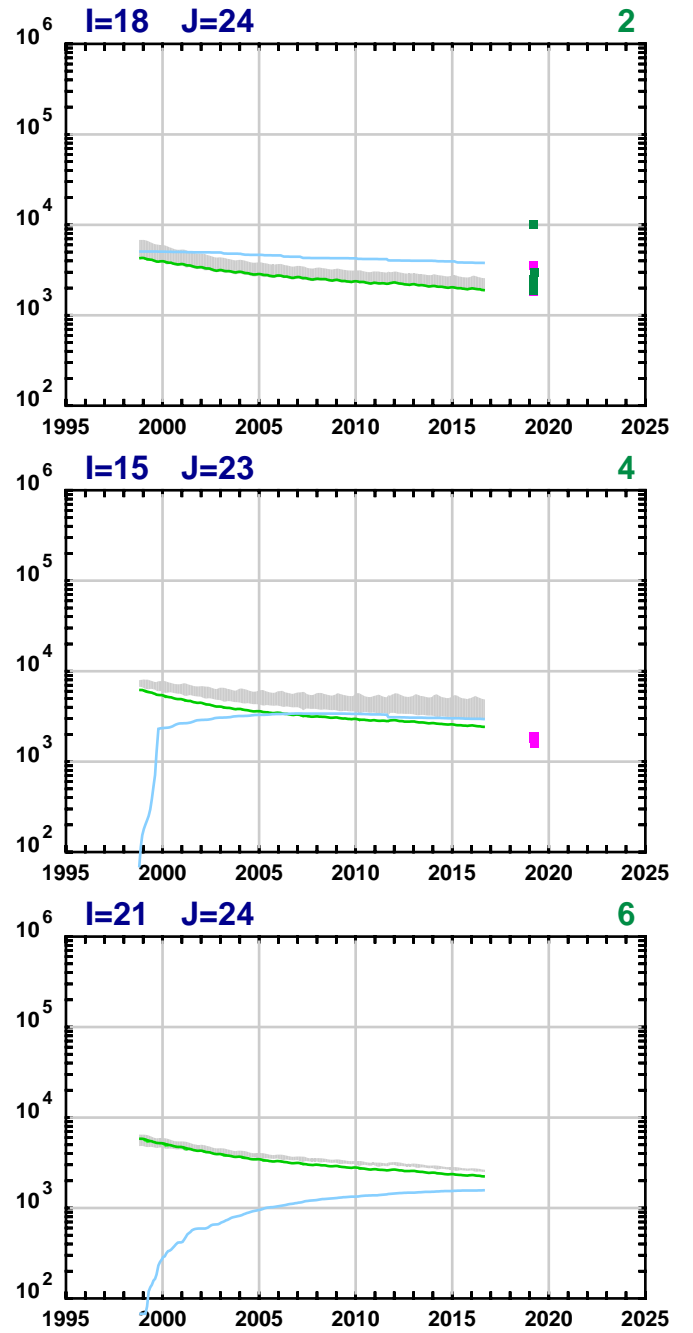
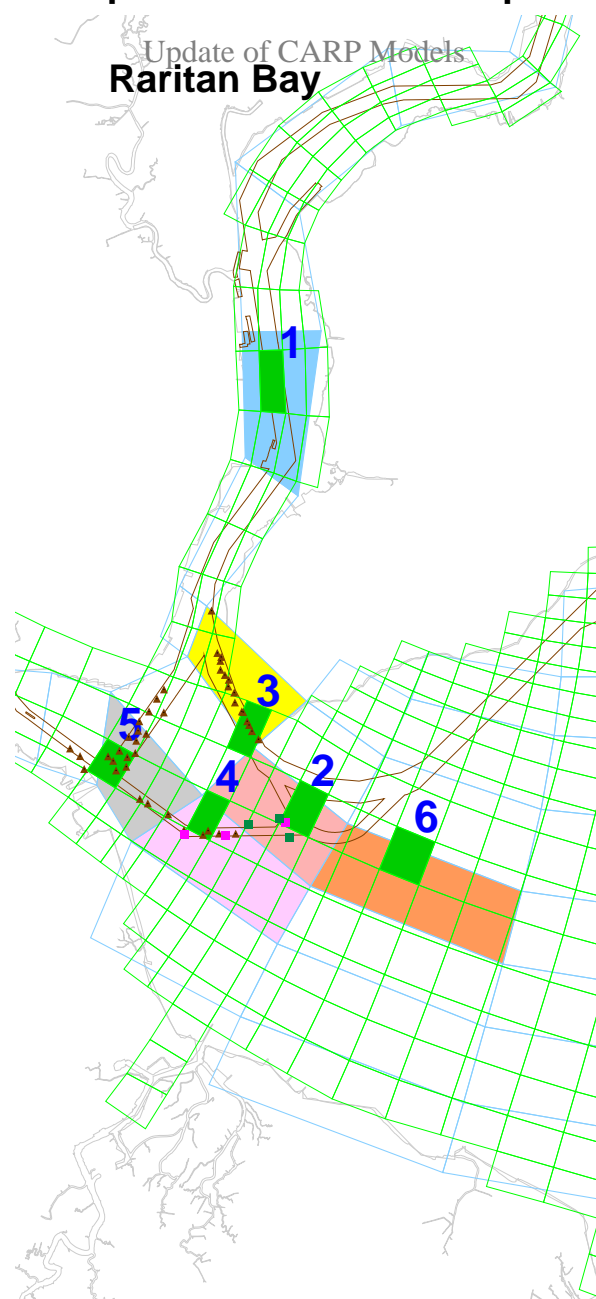
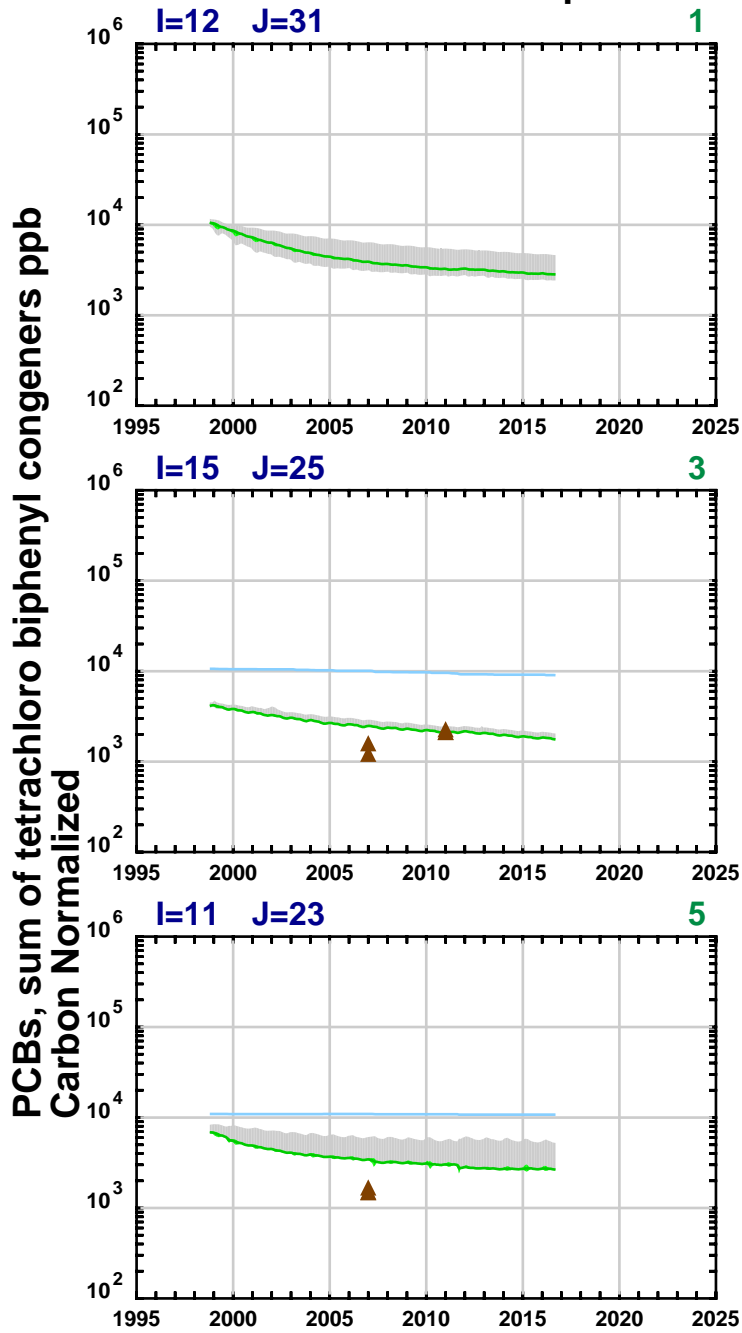


RUN18

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

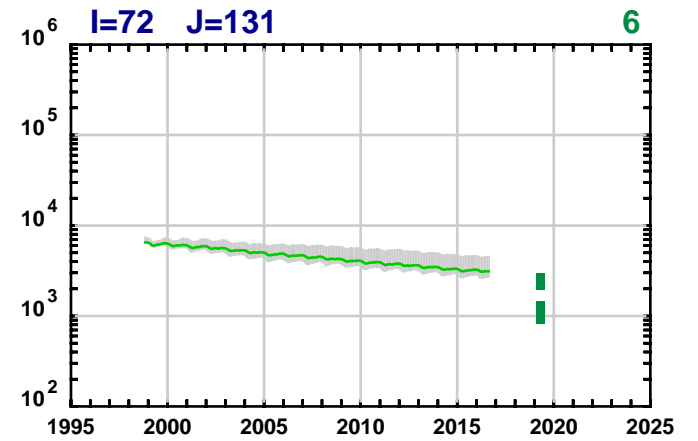
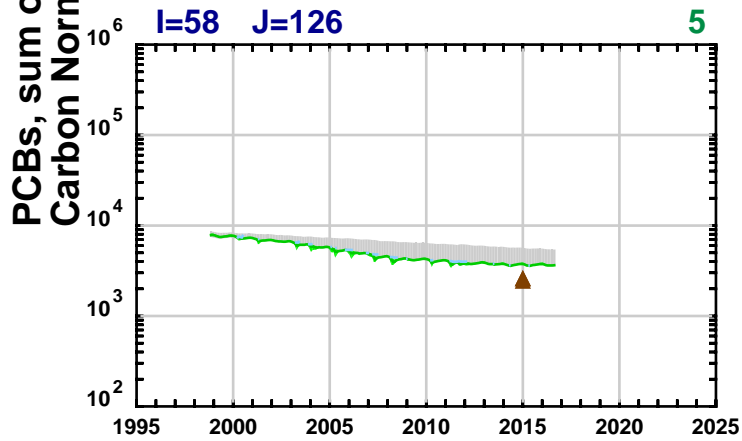
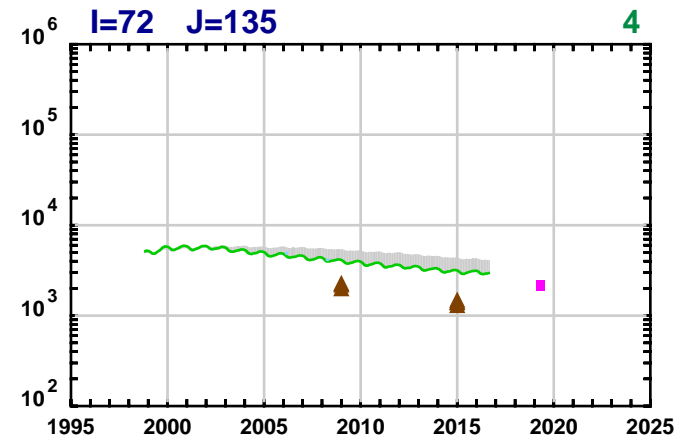
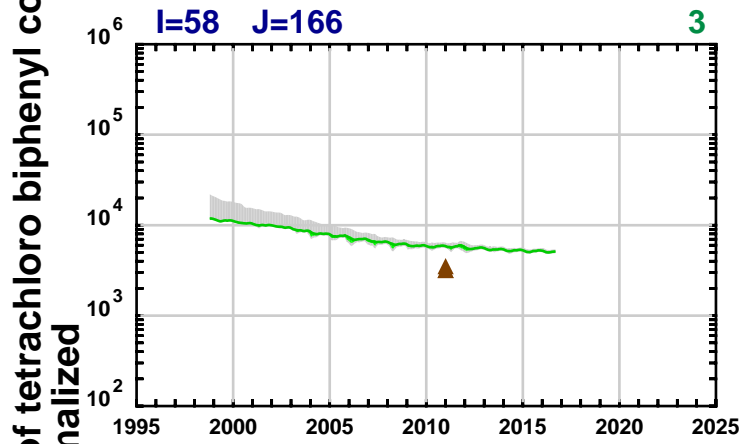
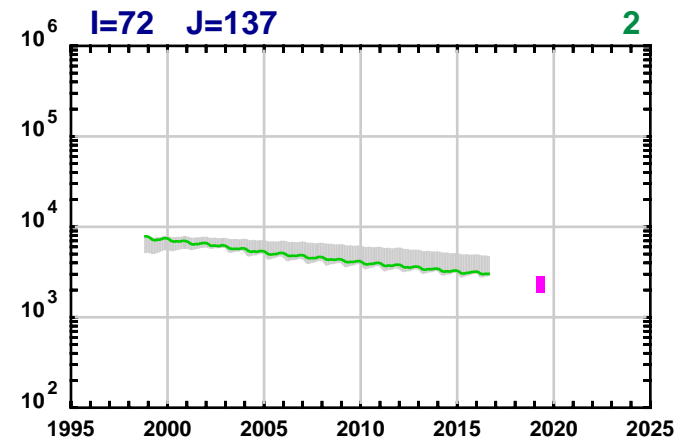
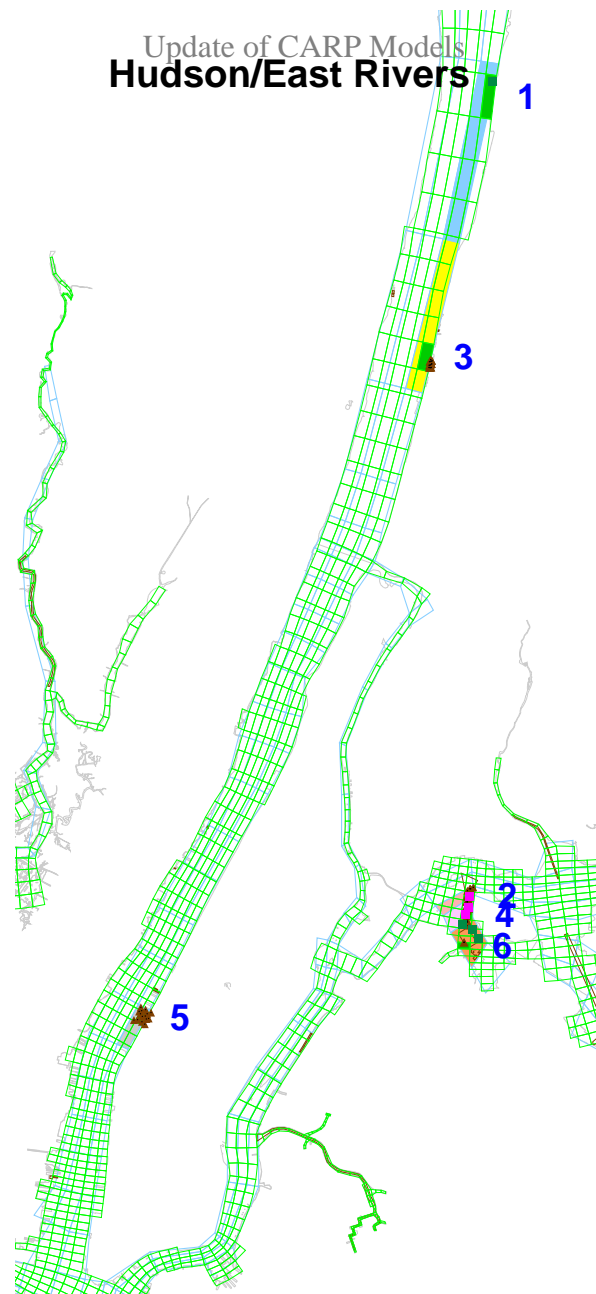
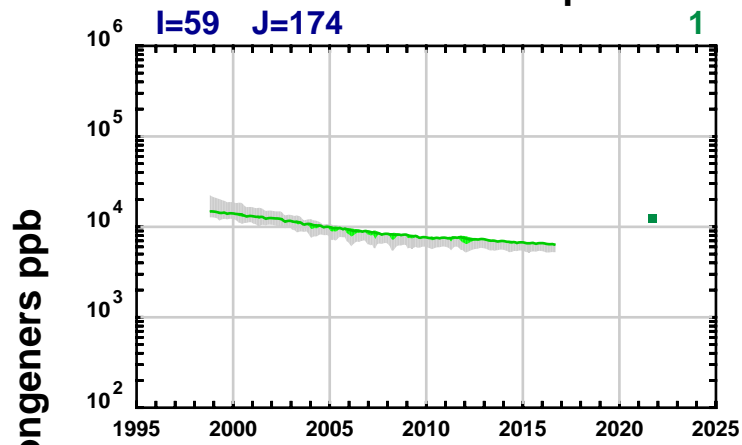


RUN18

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

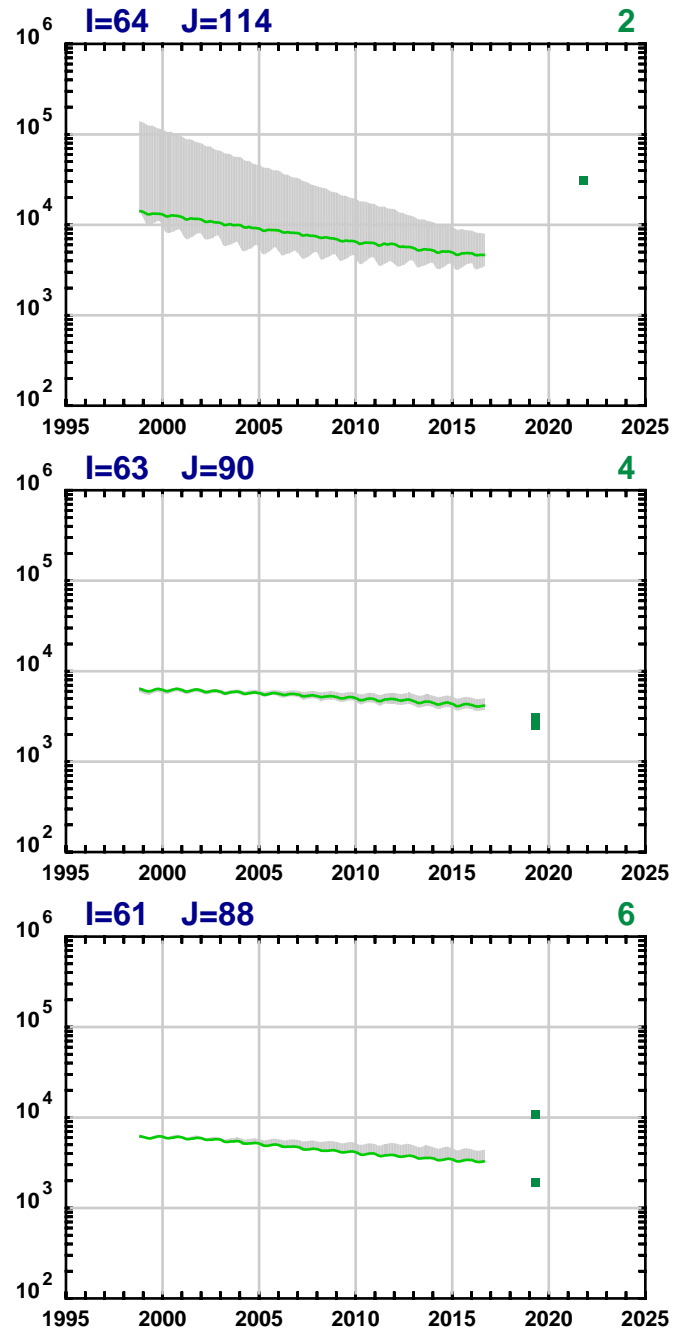
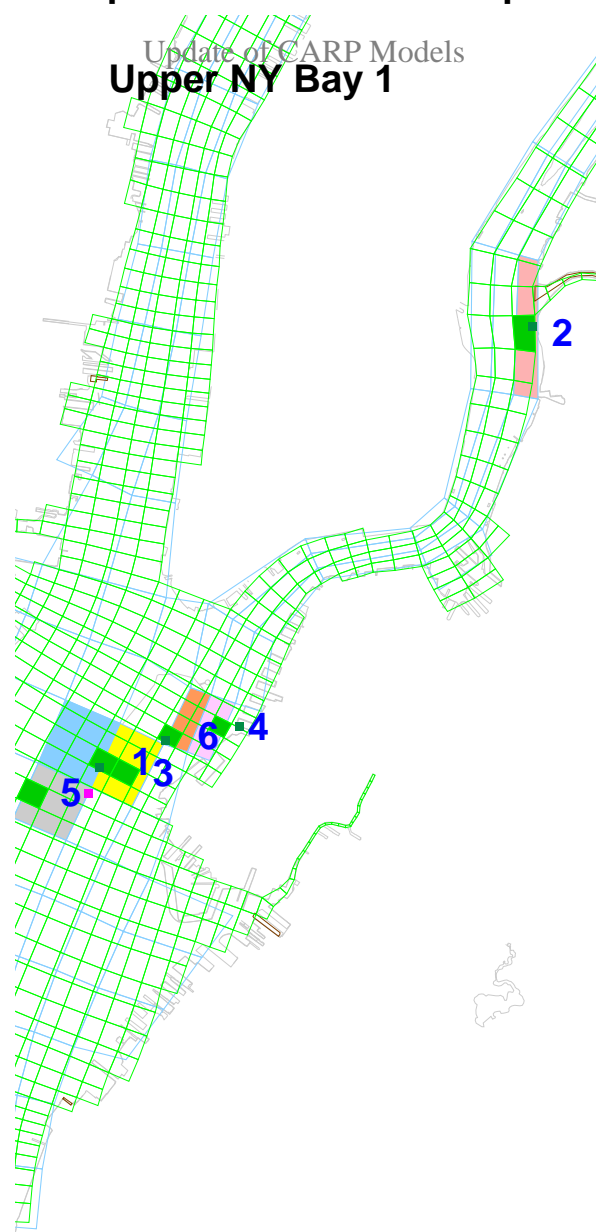
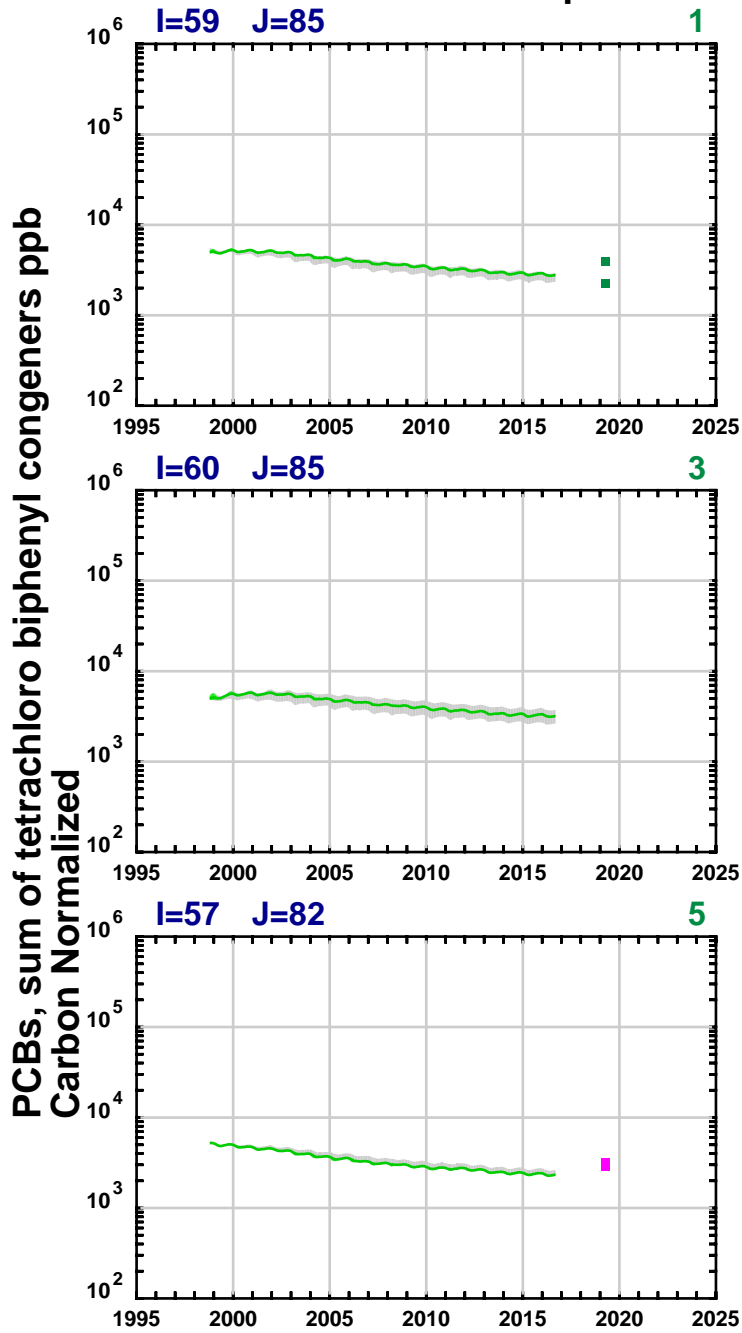


RUN18

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

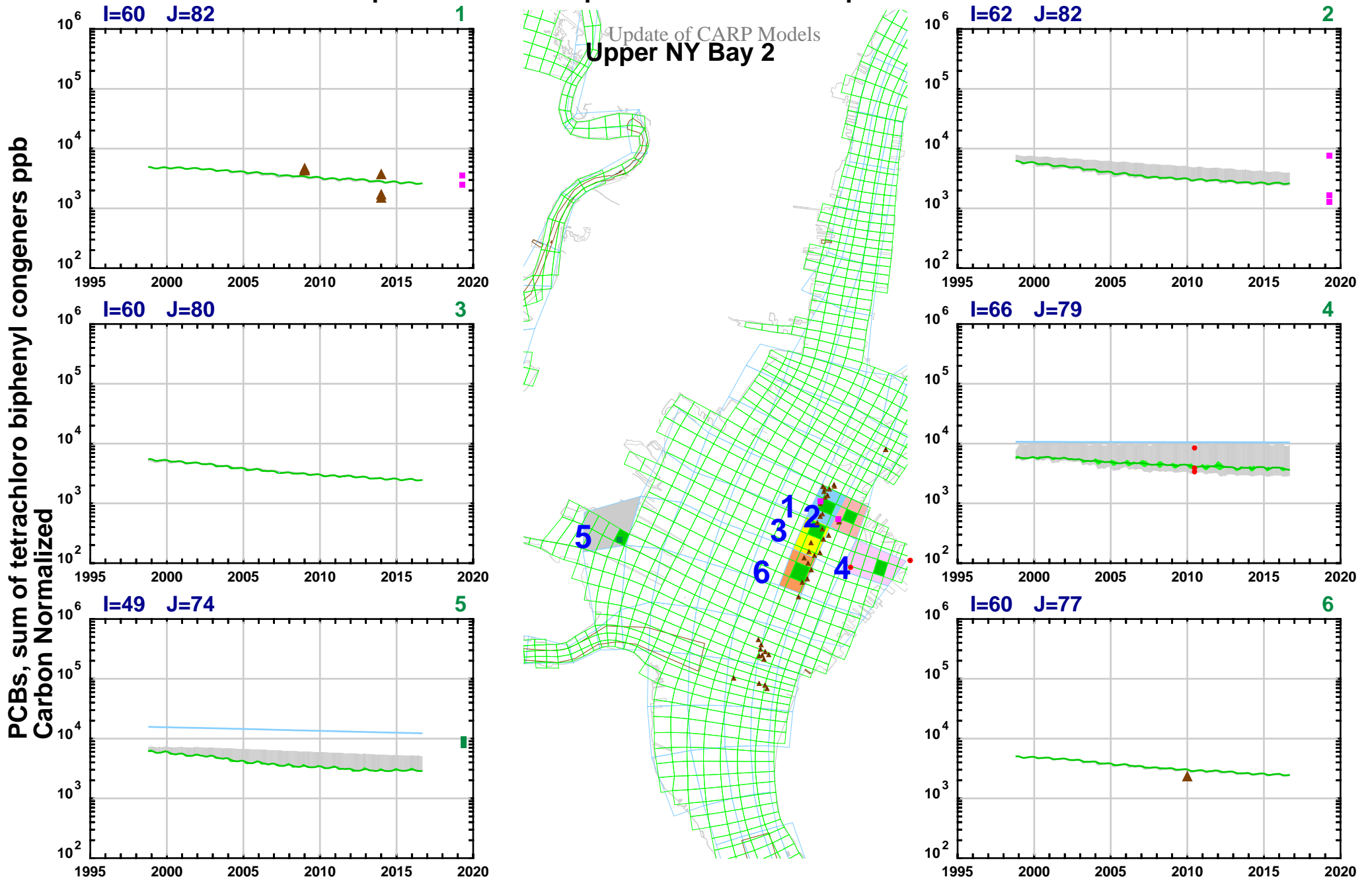


RUN18

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

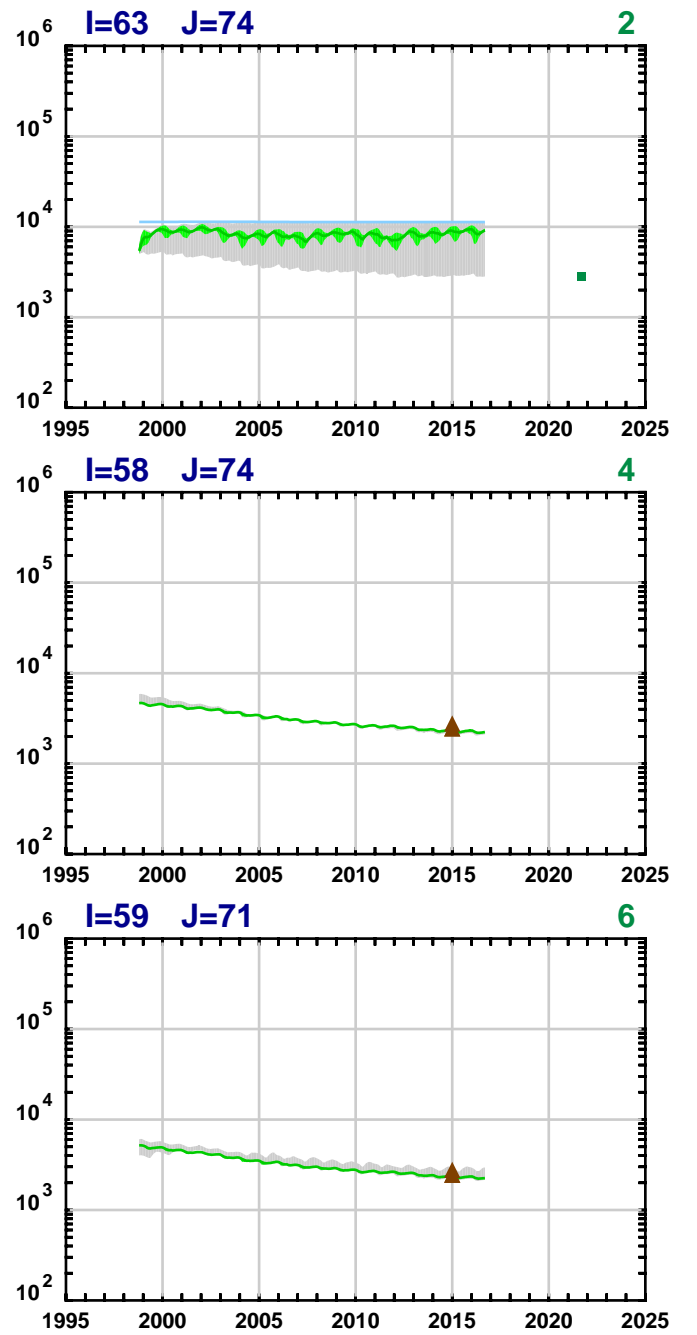
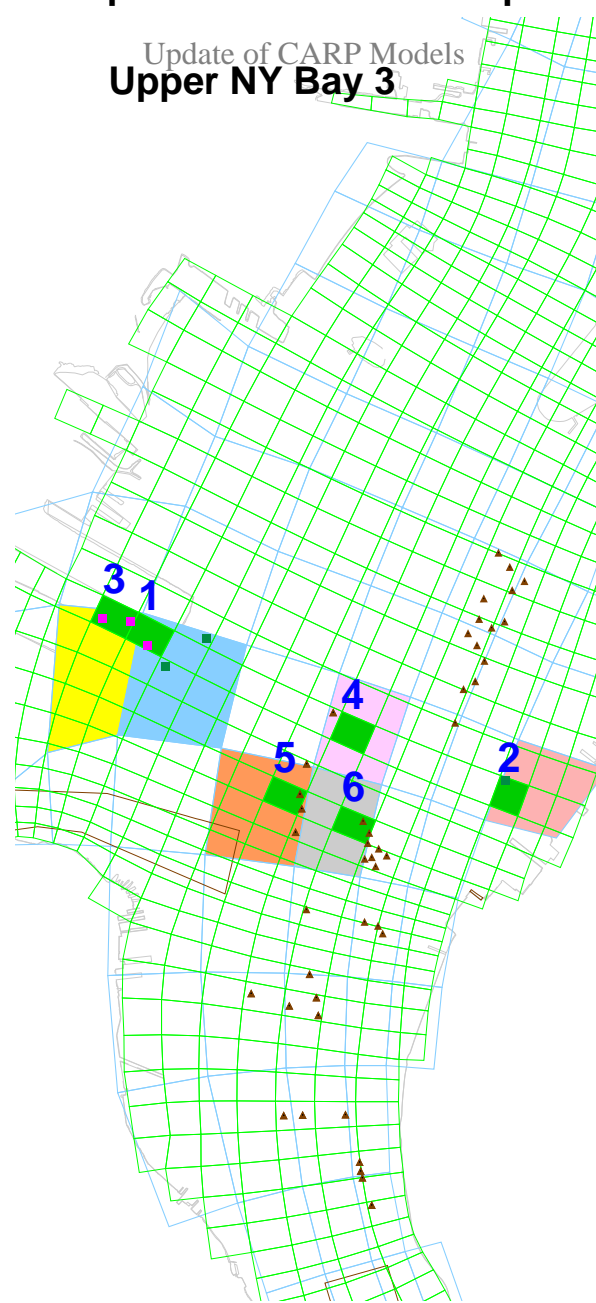
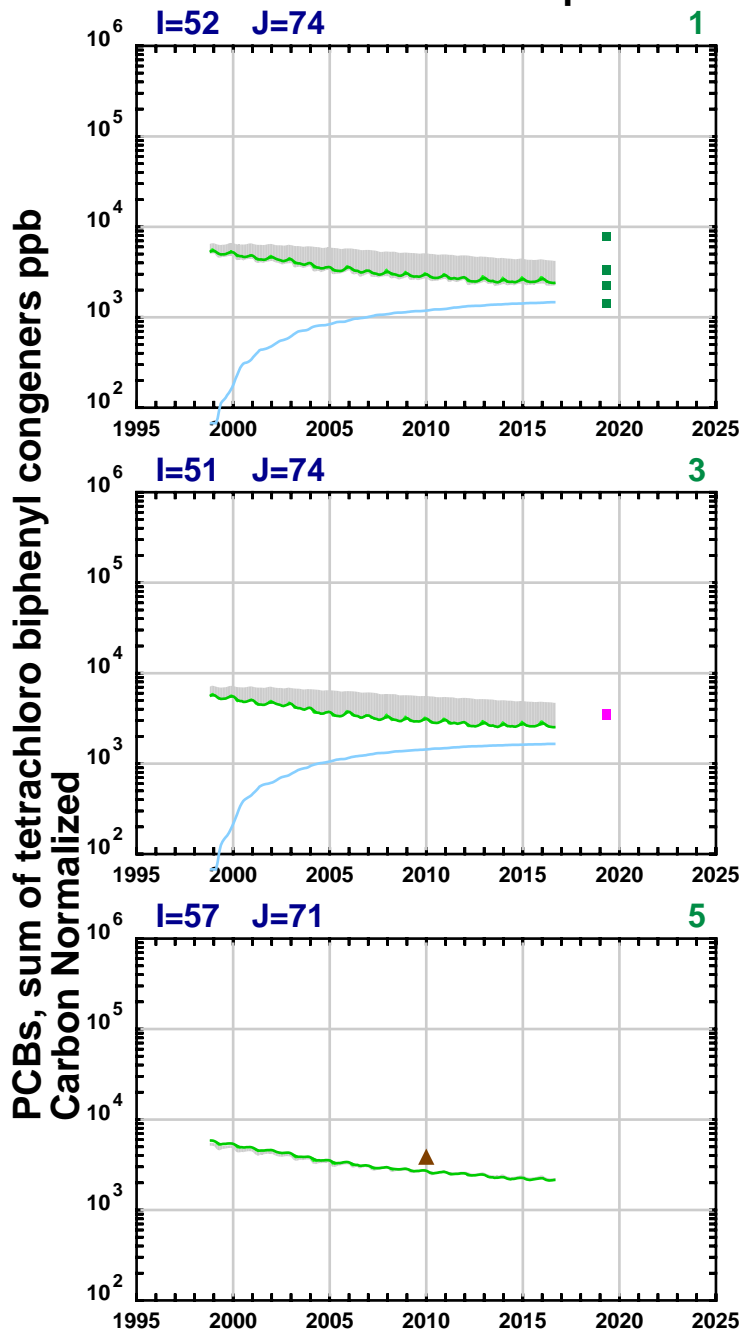


RUN18

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

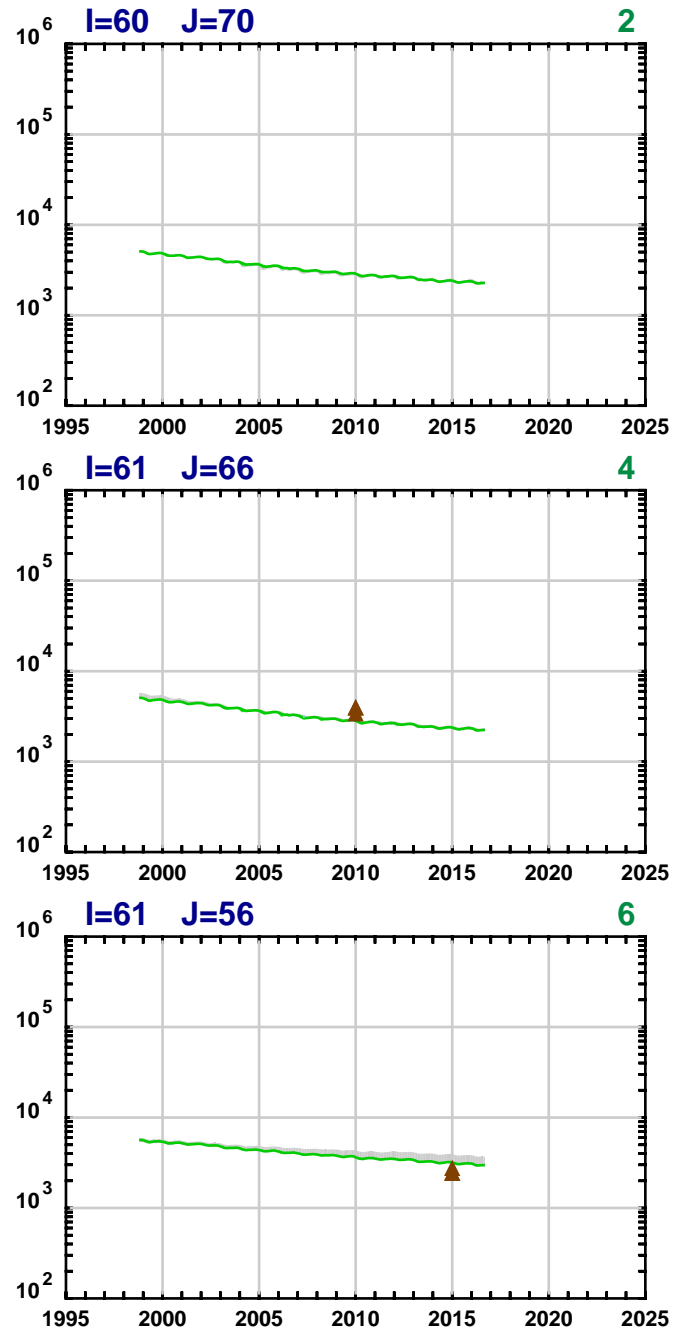
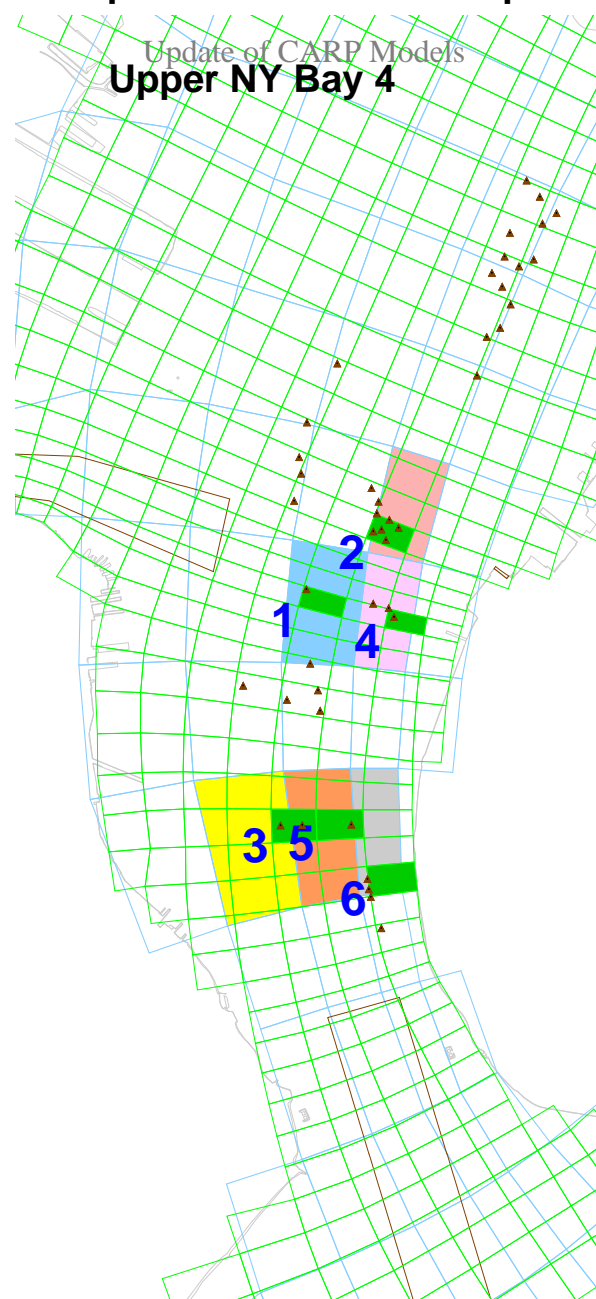
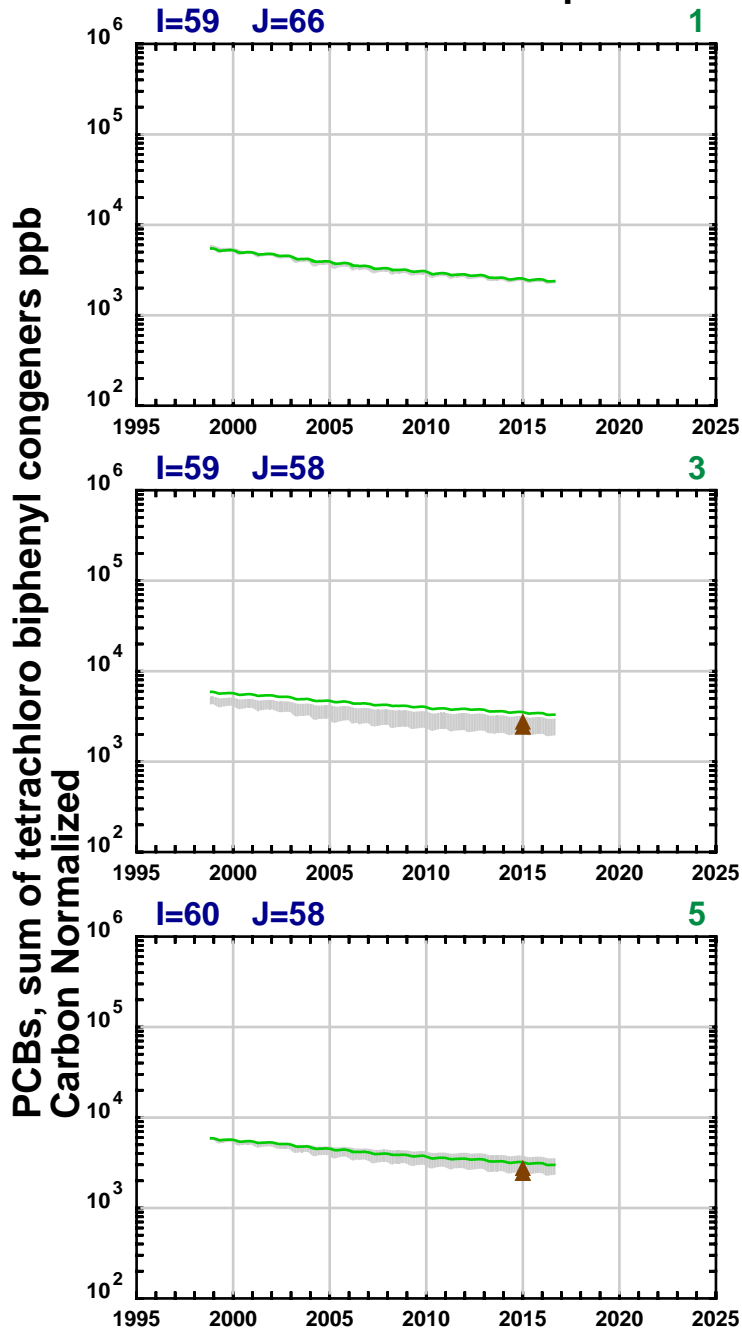


RUN18

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

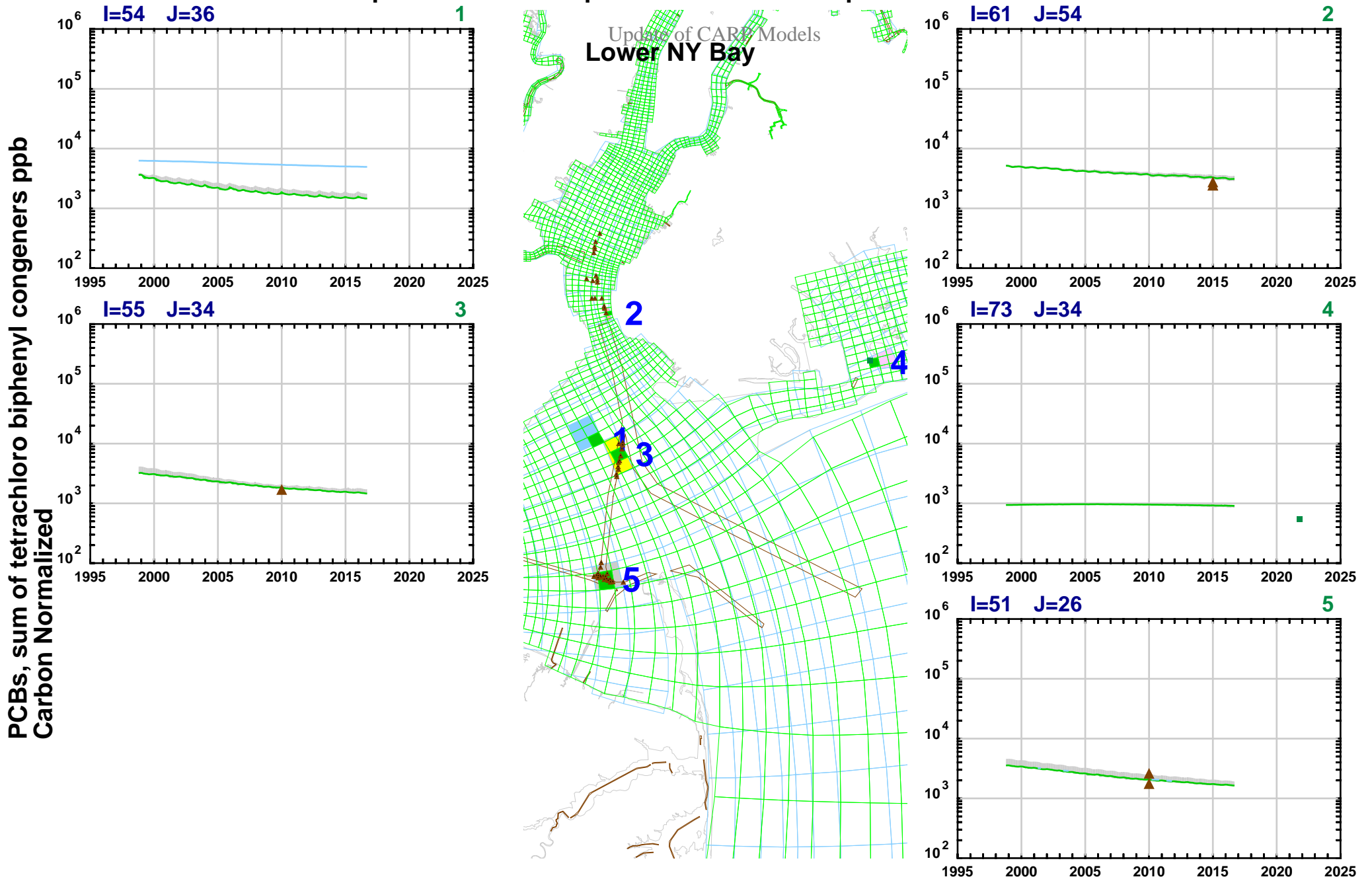


RUN18

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

● 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



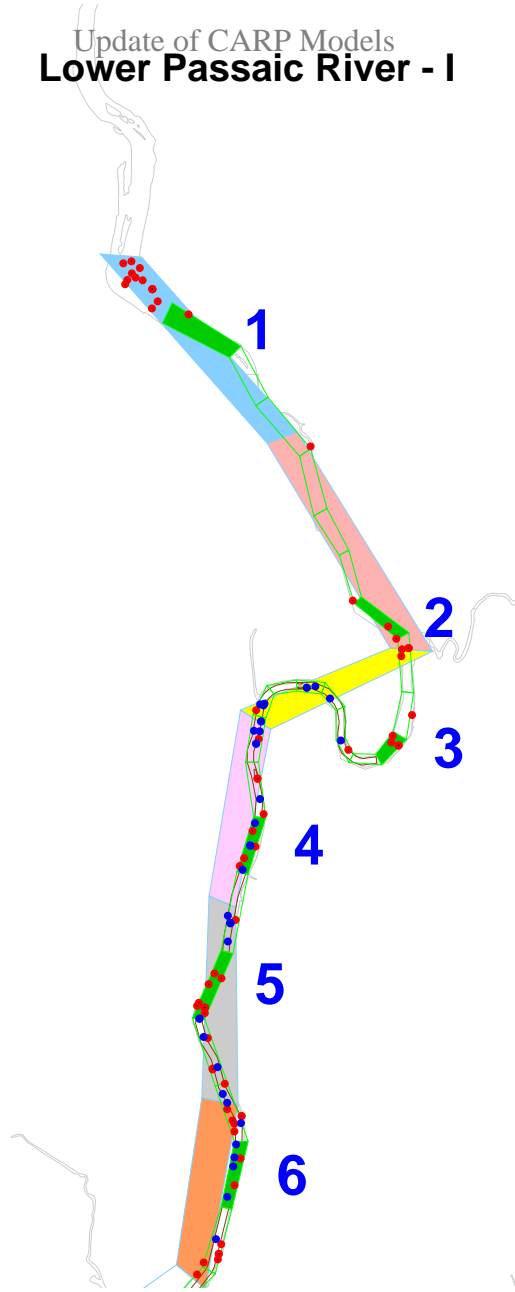
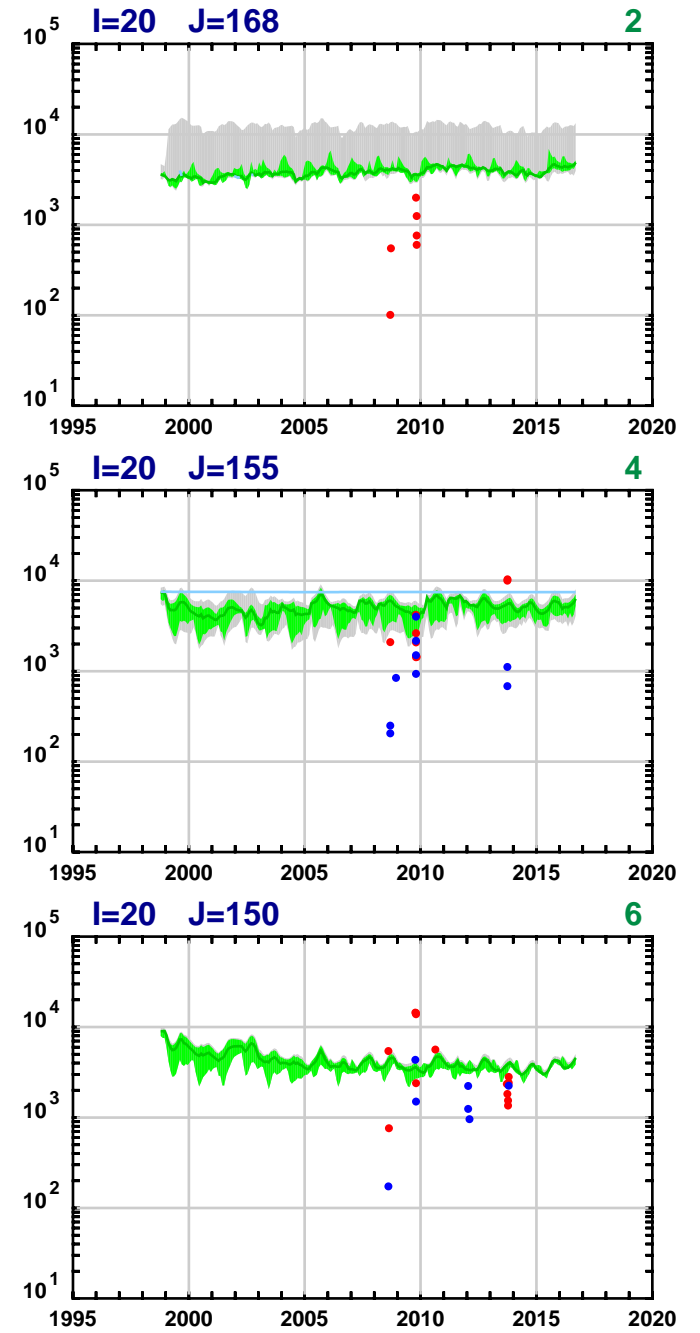
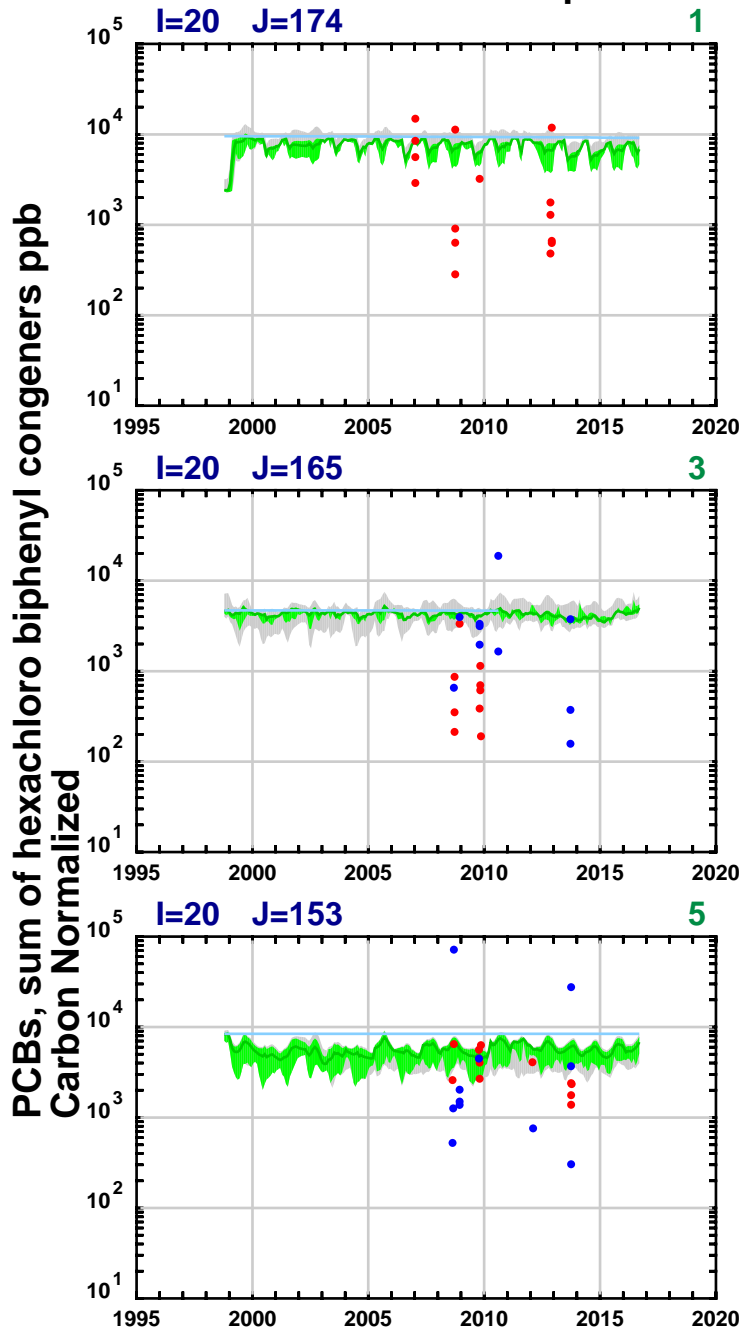
RUN18

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

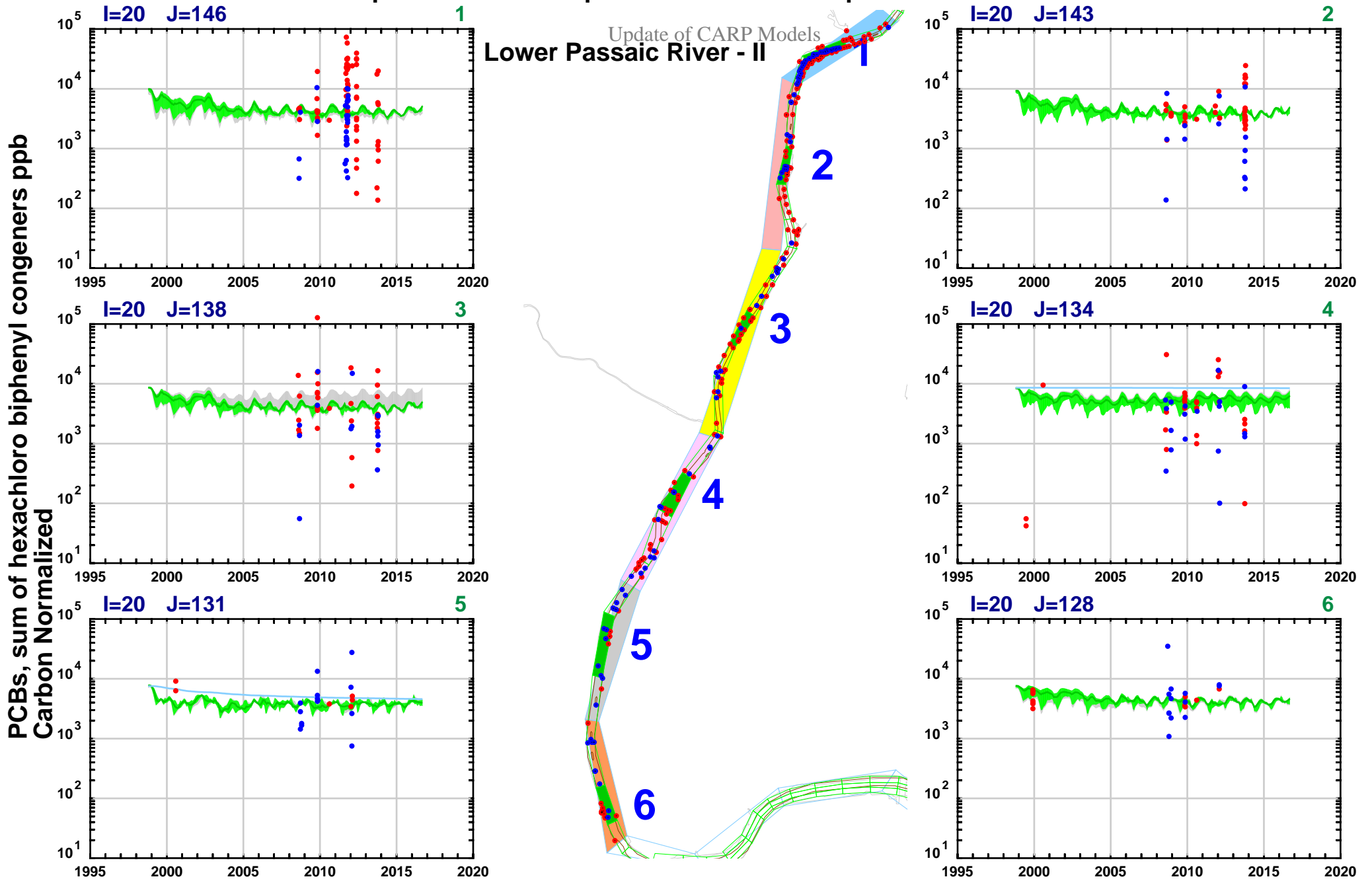


RUN18

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

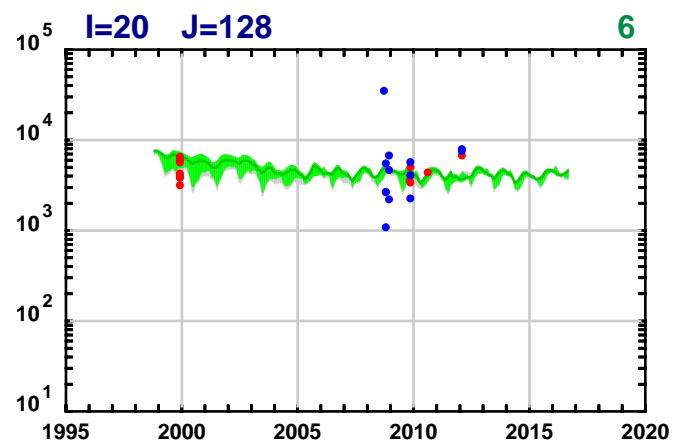
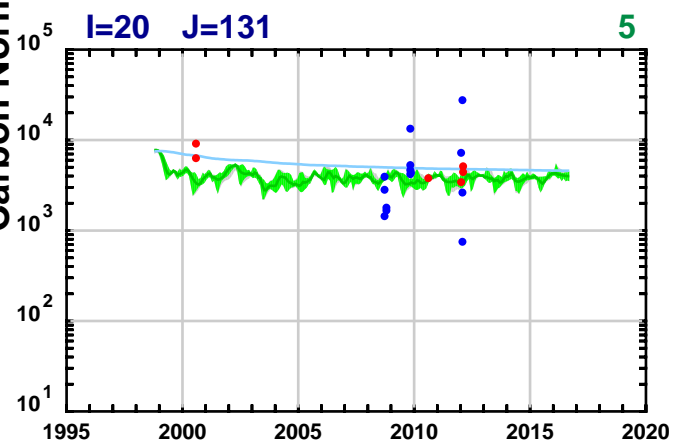
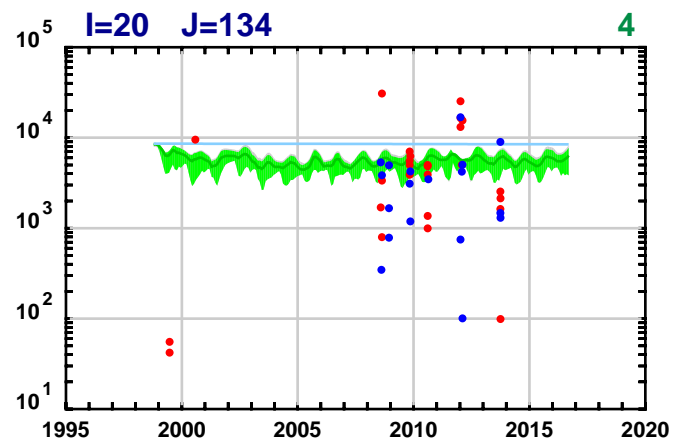
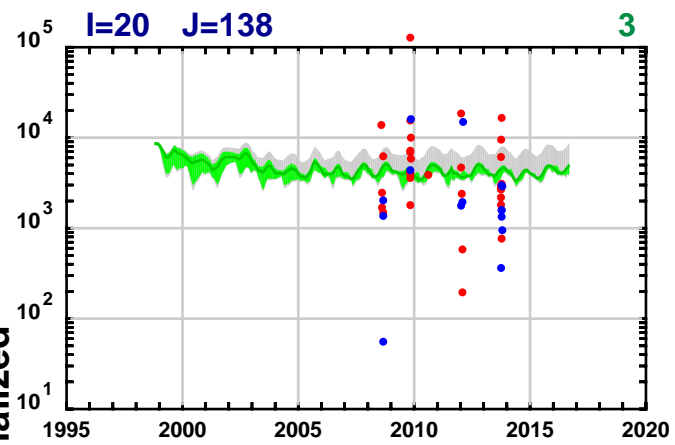
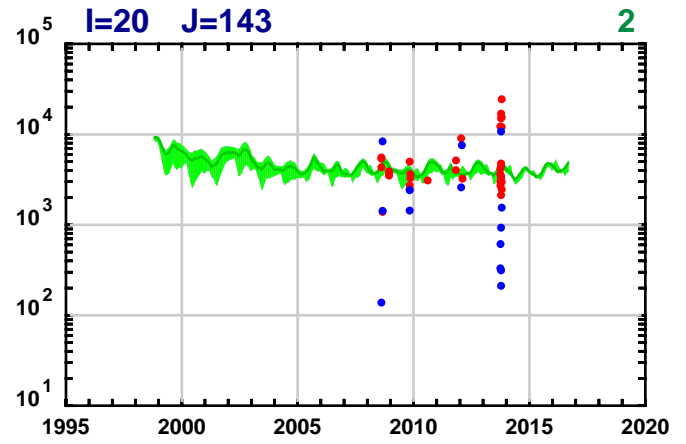
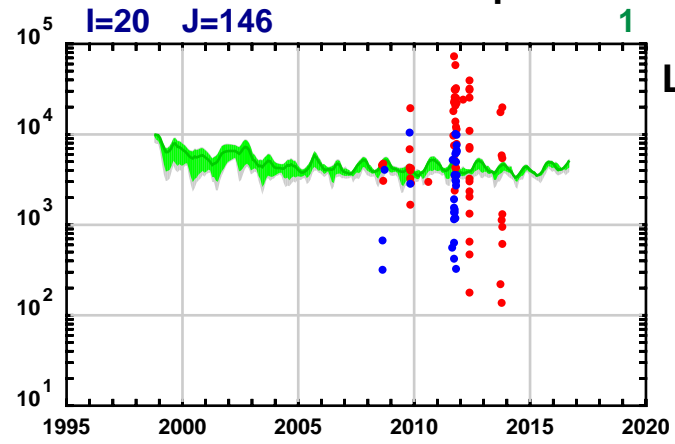
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



Update of CARP Models

Lower Passaic River - II

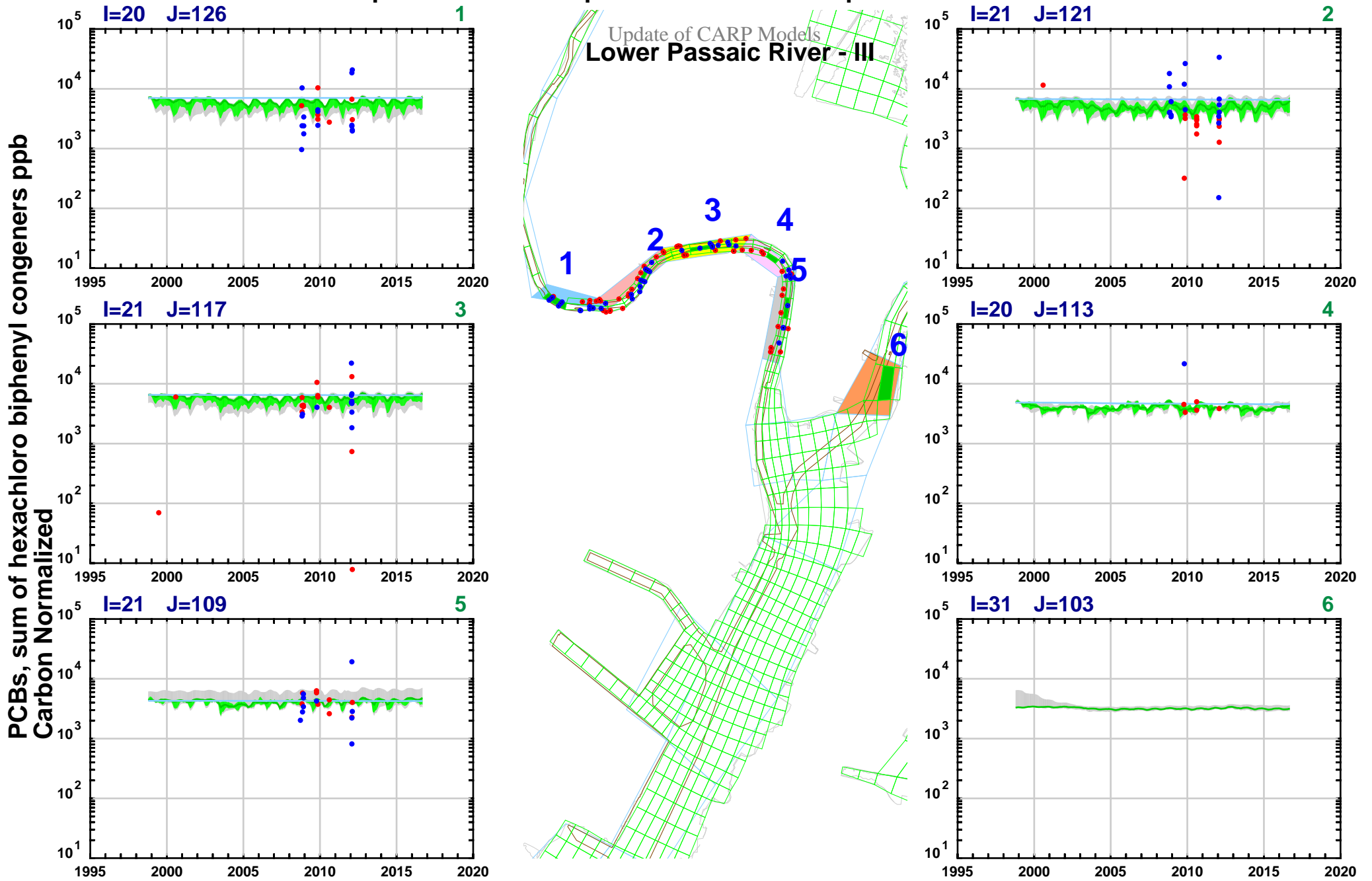


RUN18

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

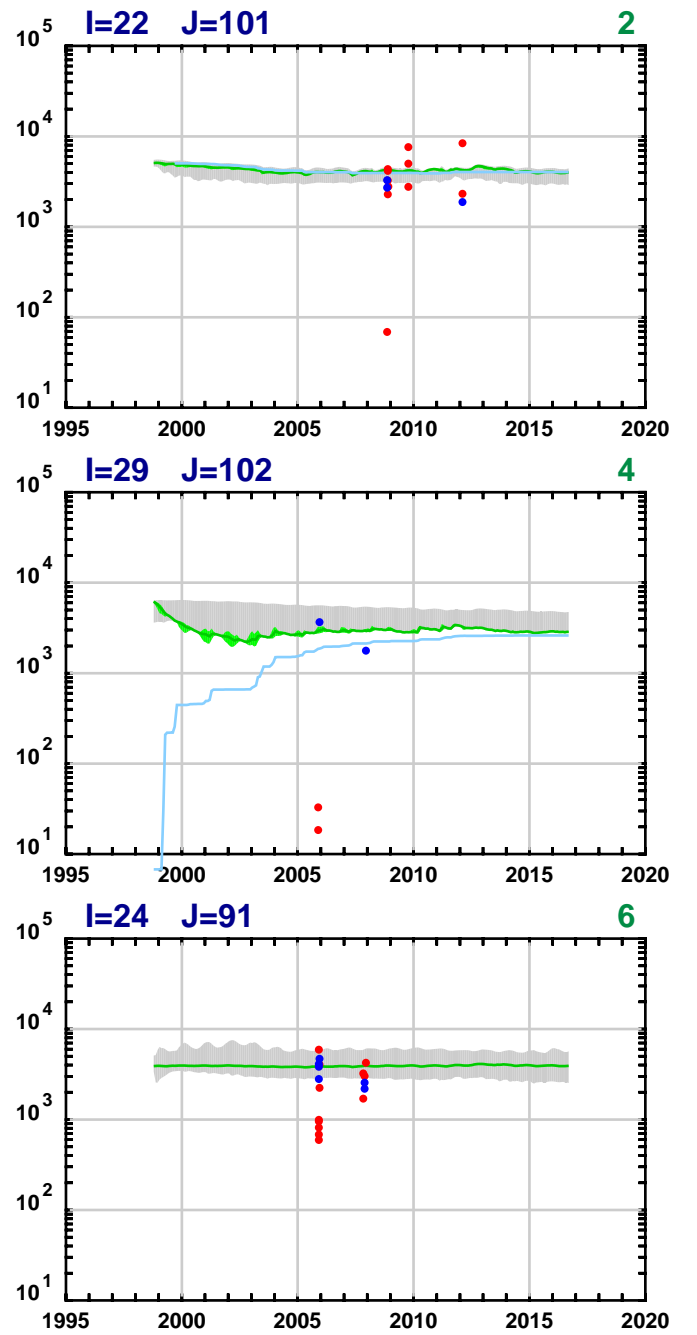
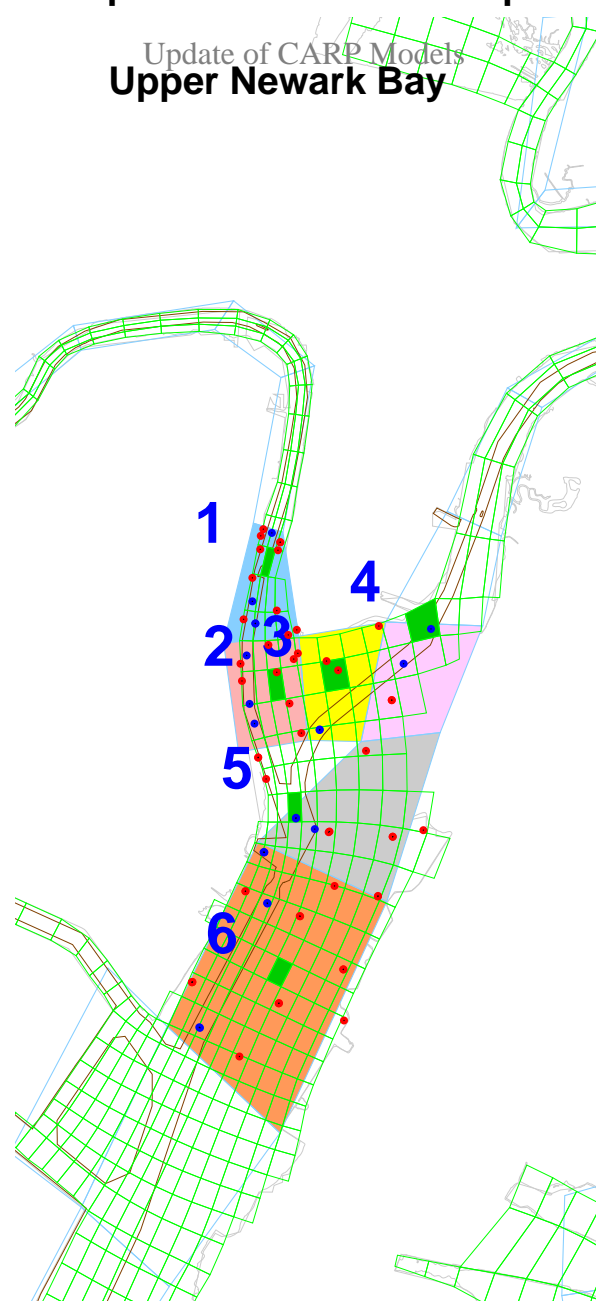
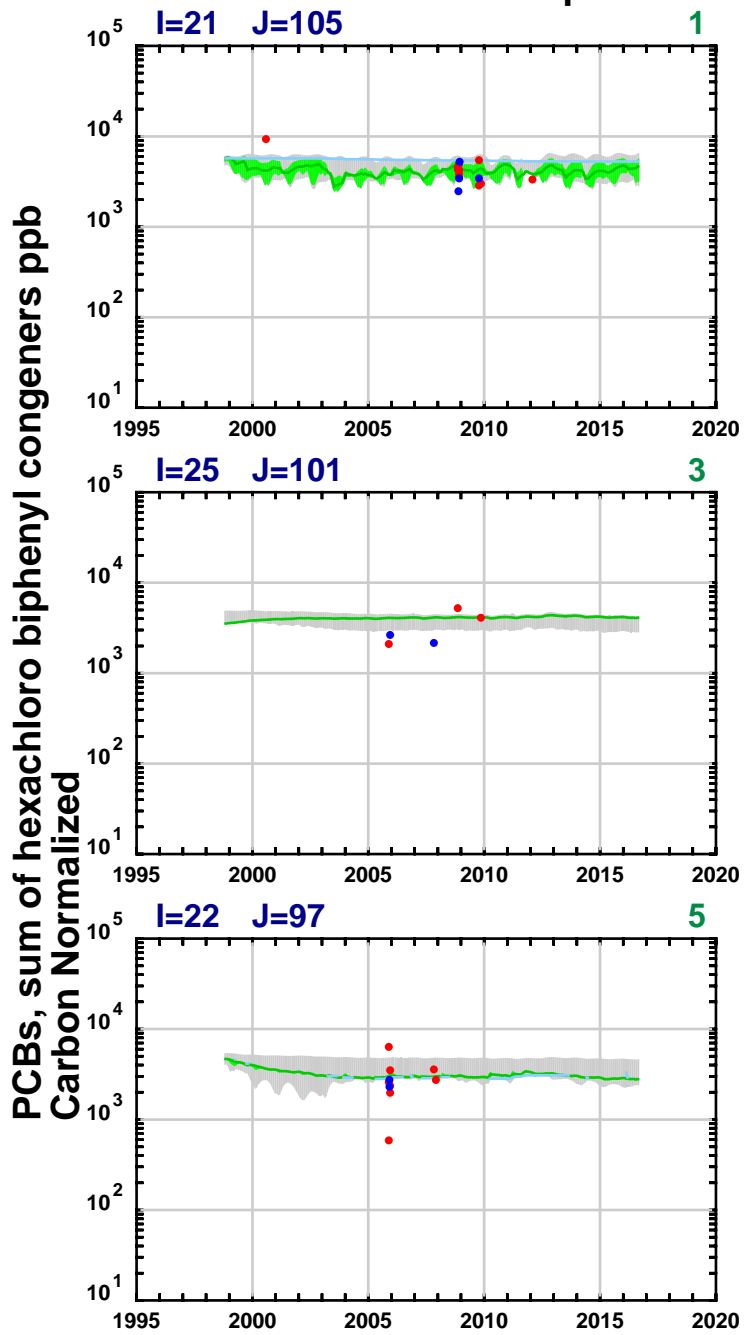


RUN18

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

● 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

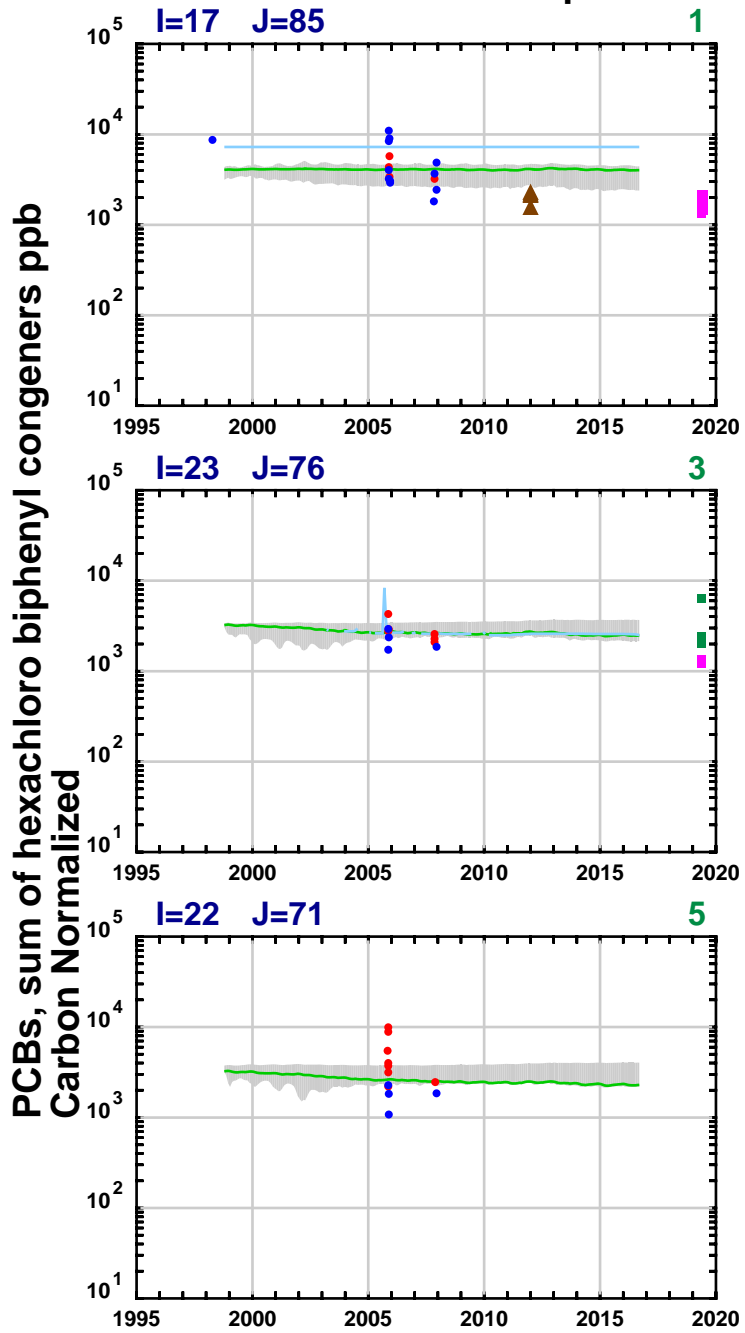


RUN18

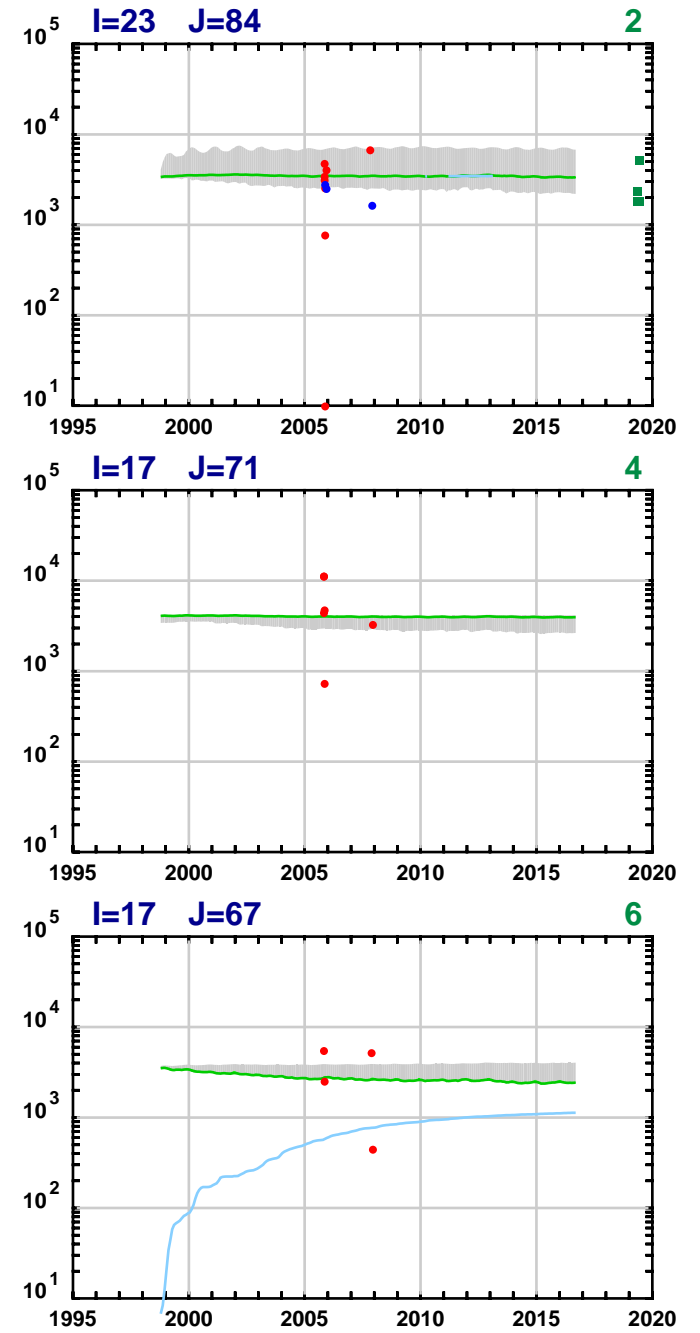
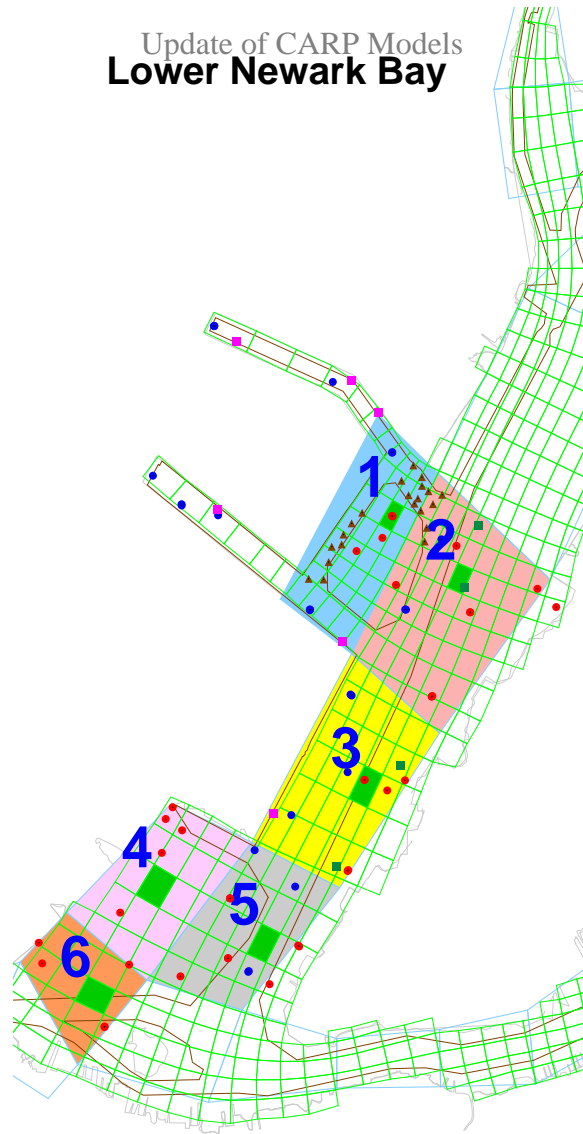
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● 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



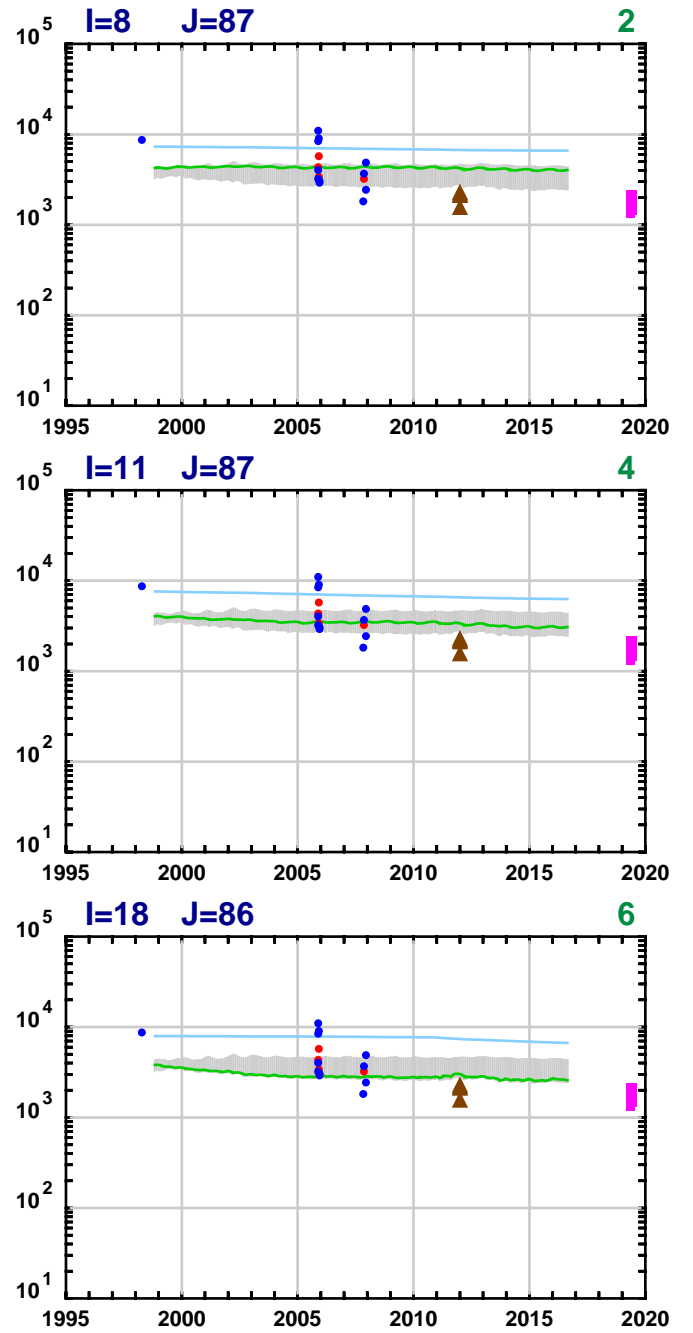
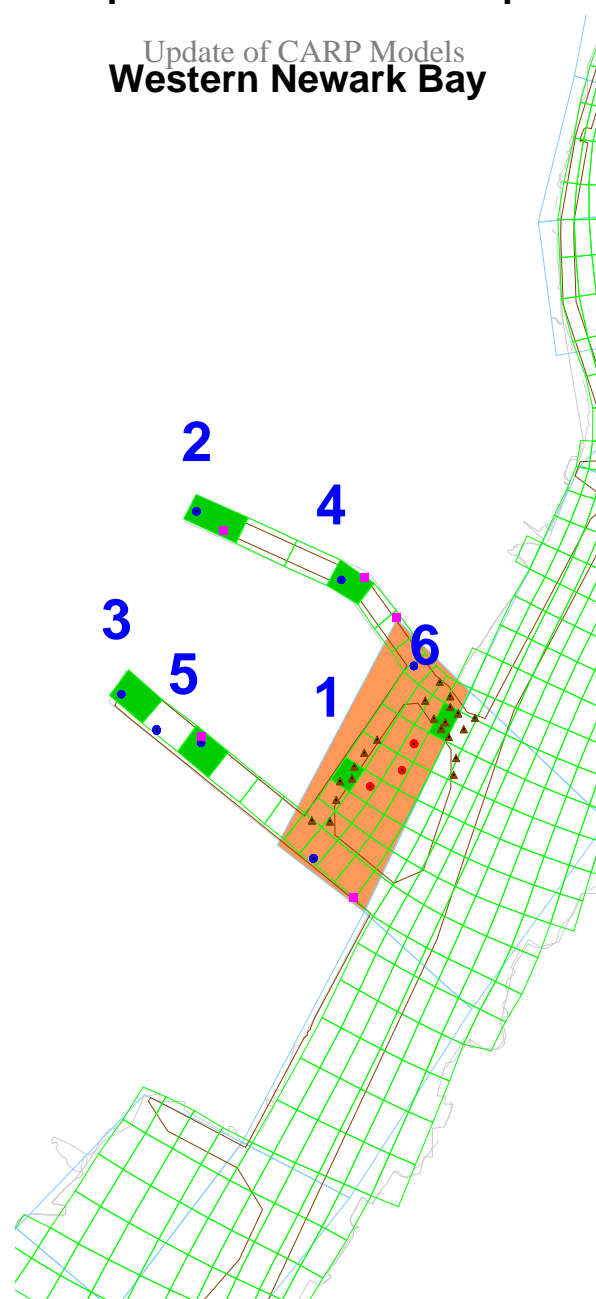
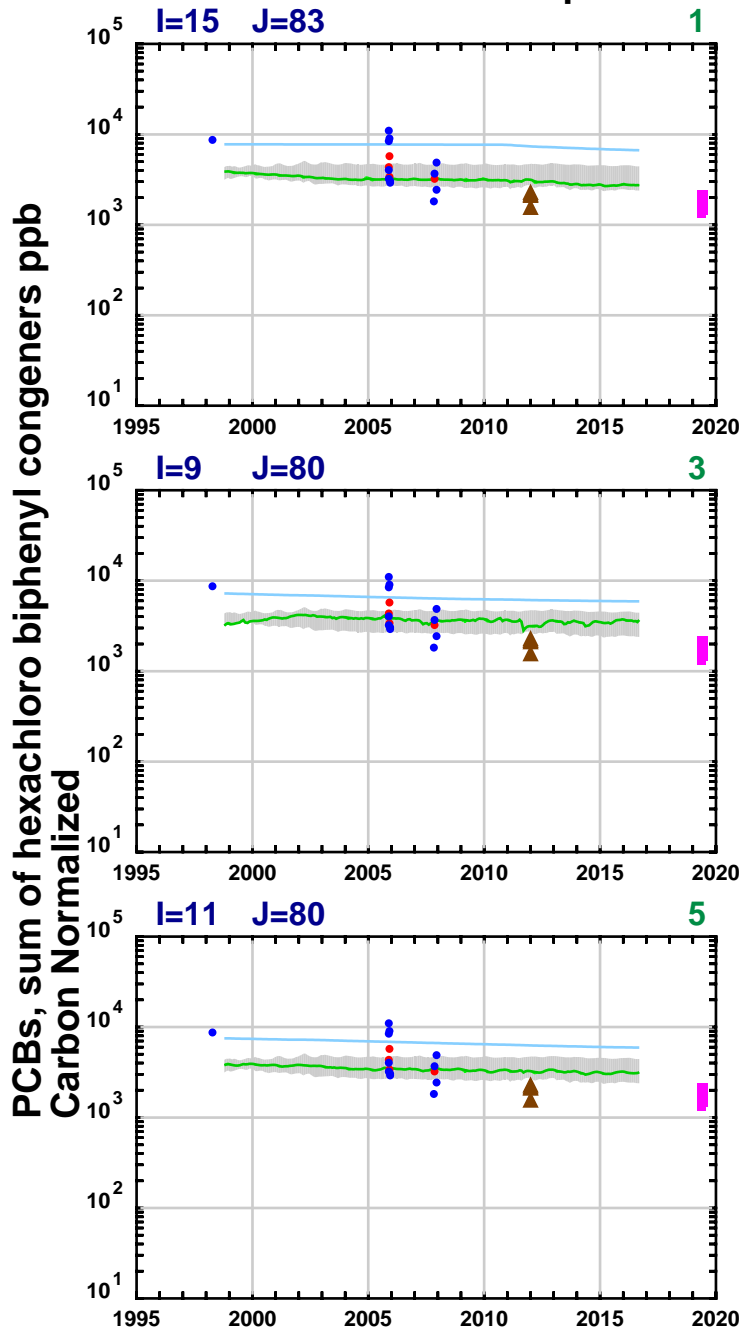
RUN18

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



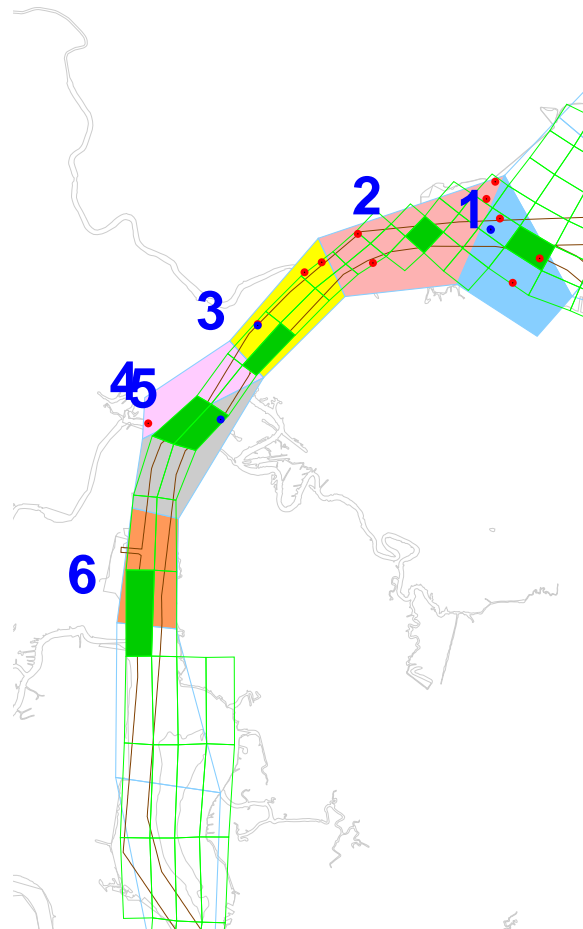
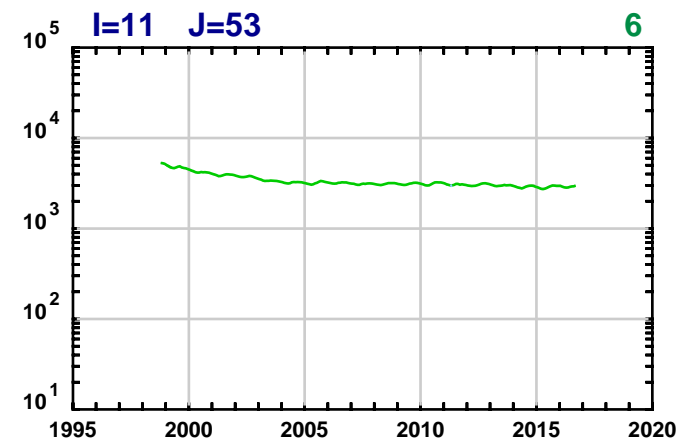
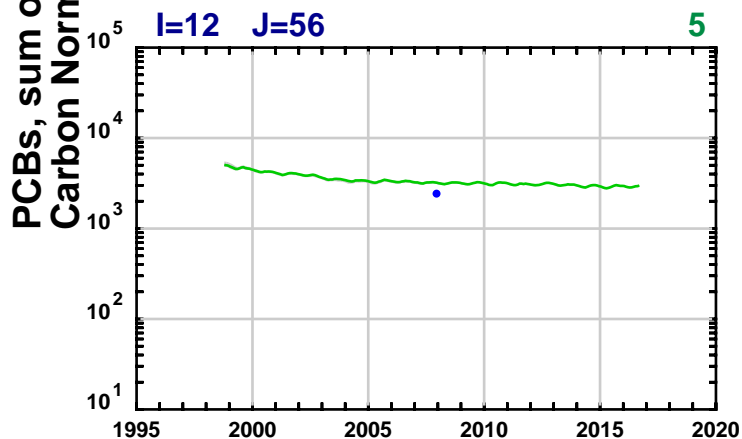
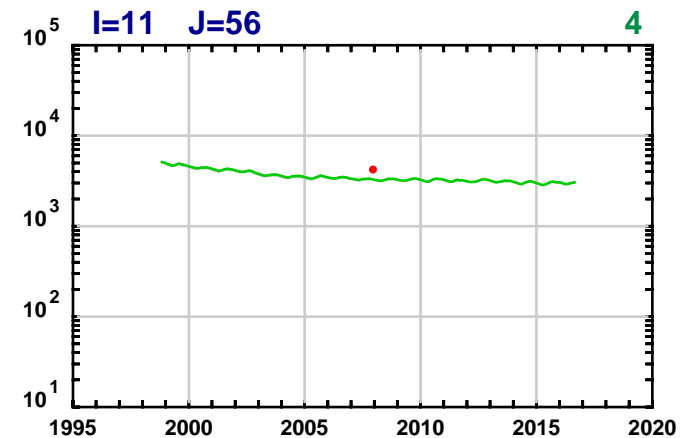
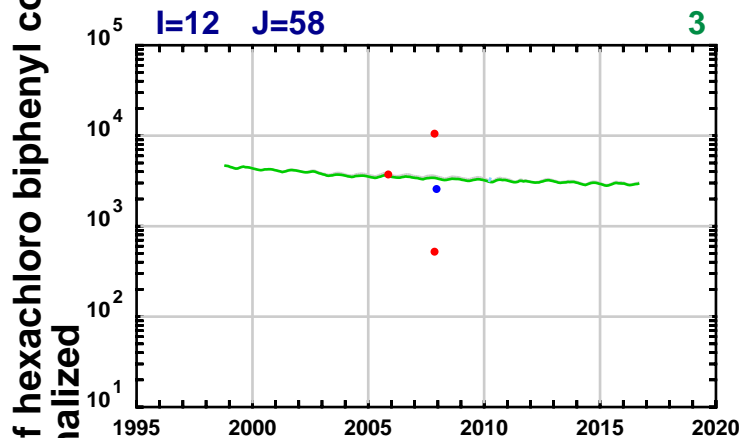
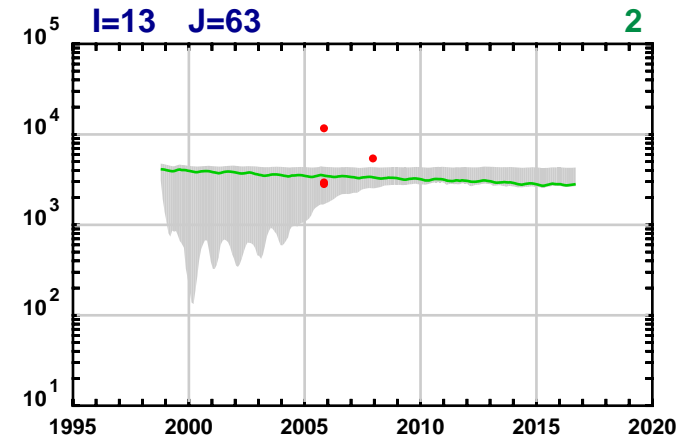
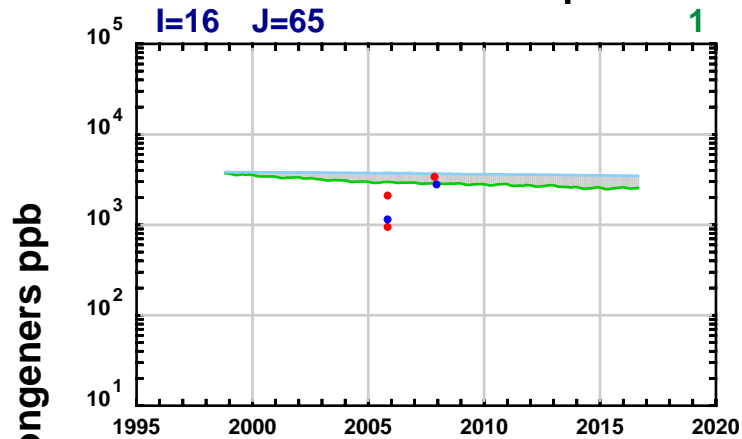
RUN18

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



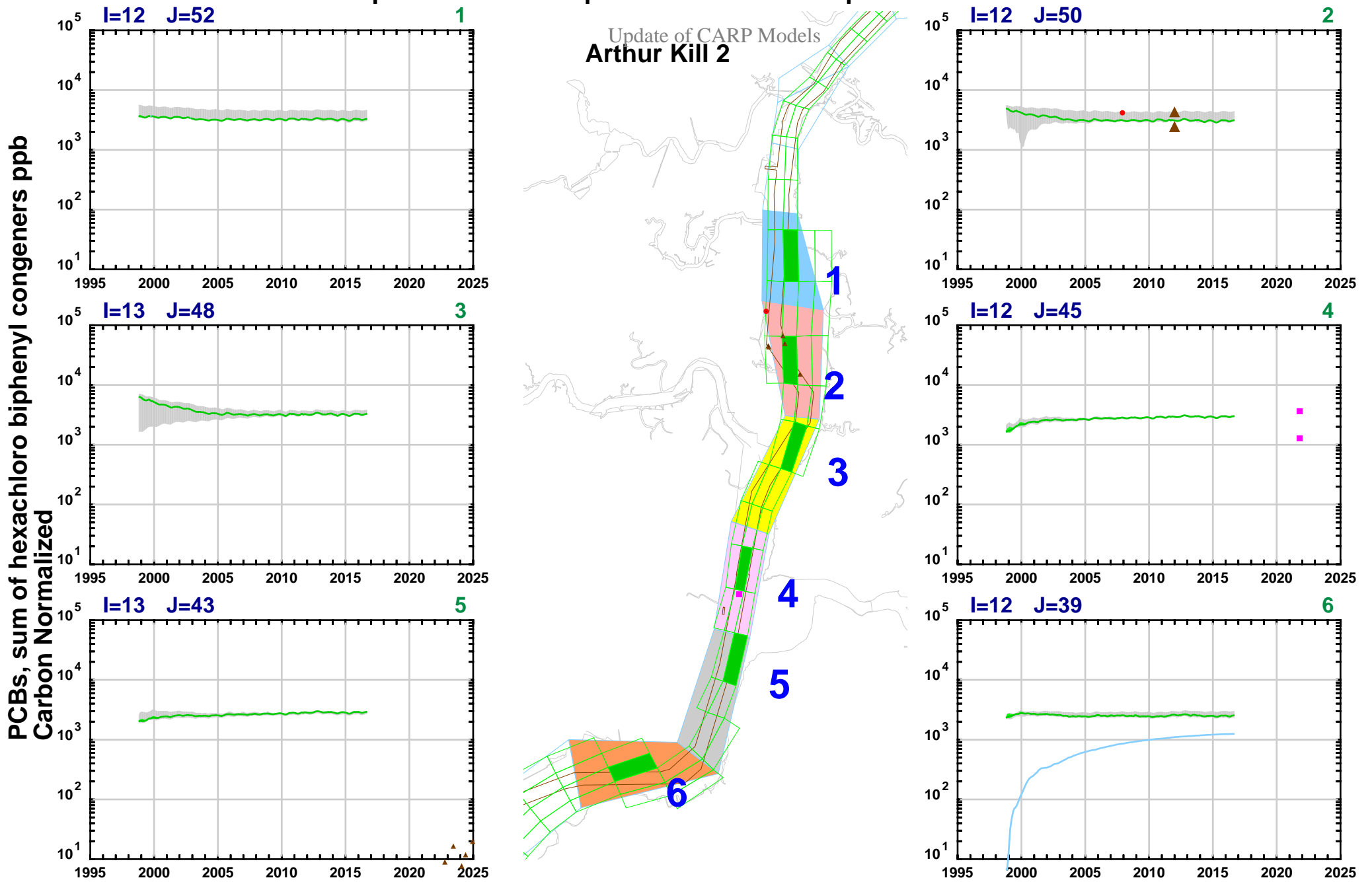
PCBs, sum of hexachloro biphenyl congeners ppb
Carbon Normalized

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

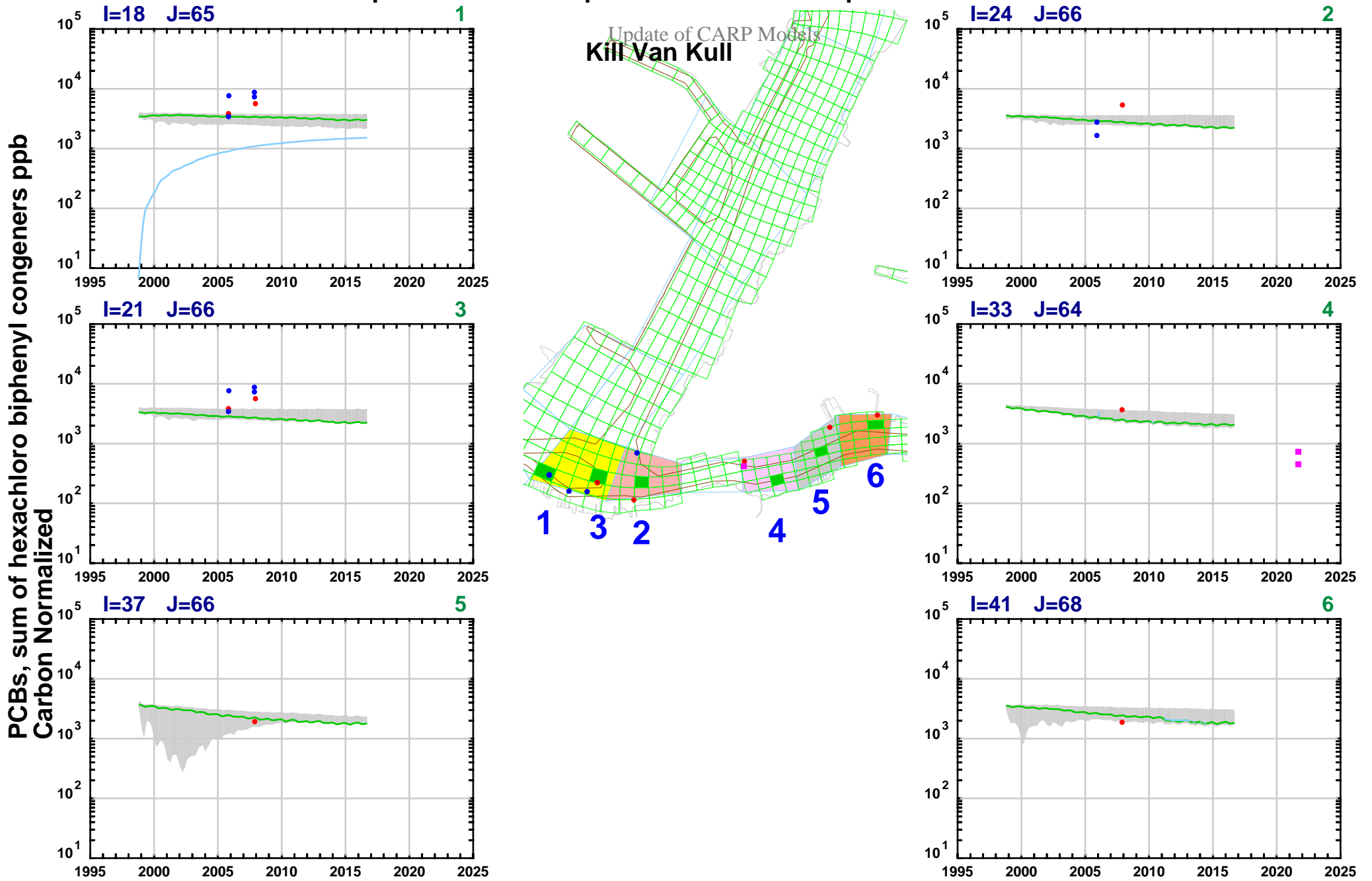


RUN18

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

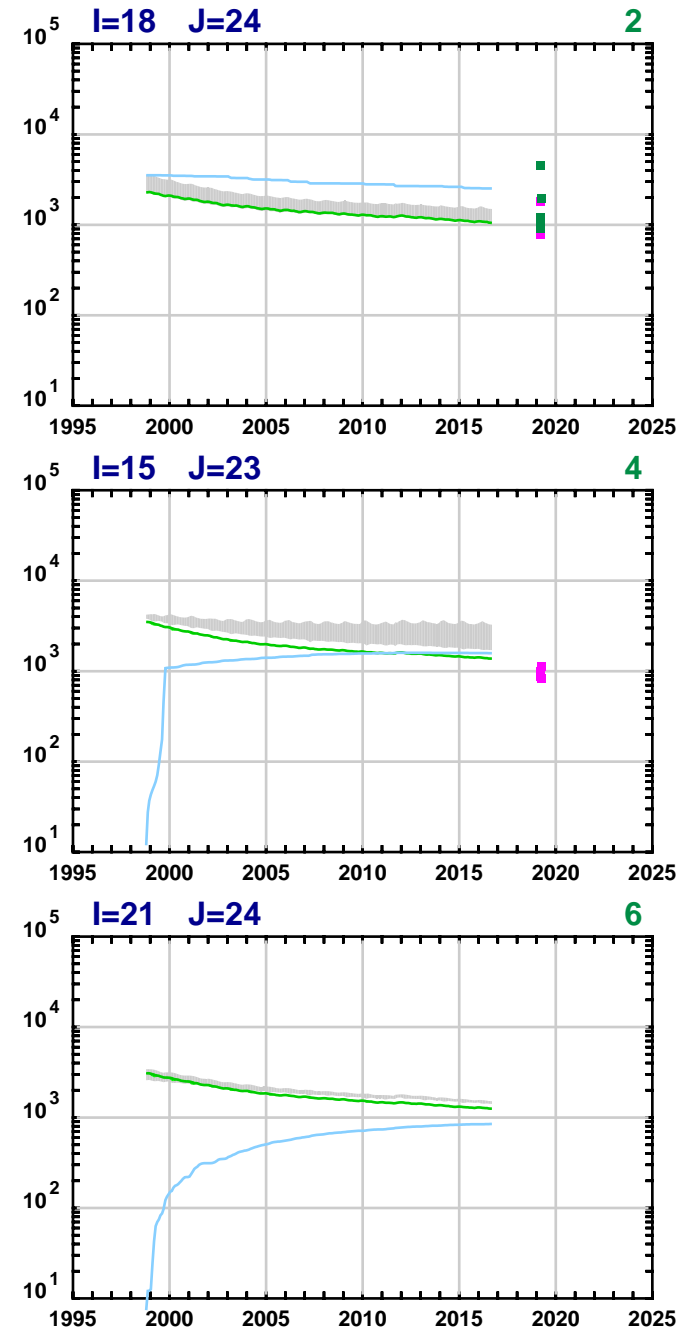
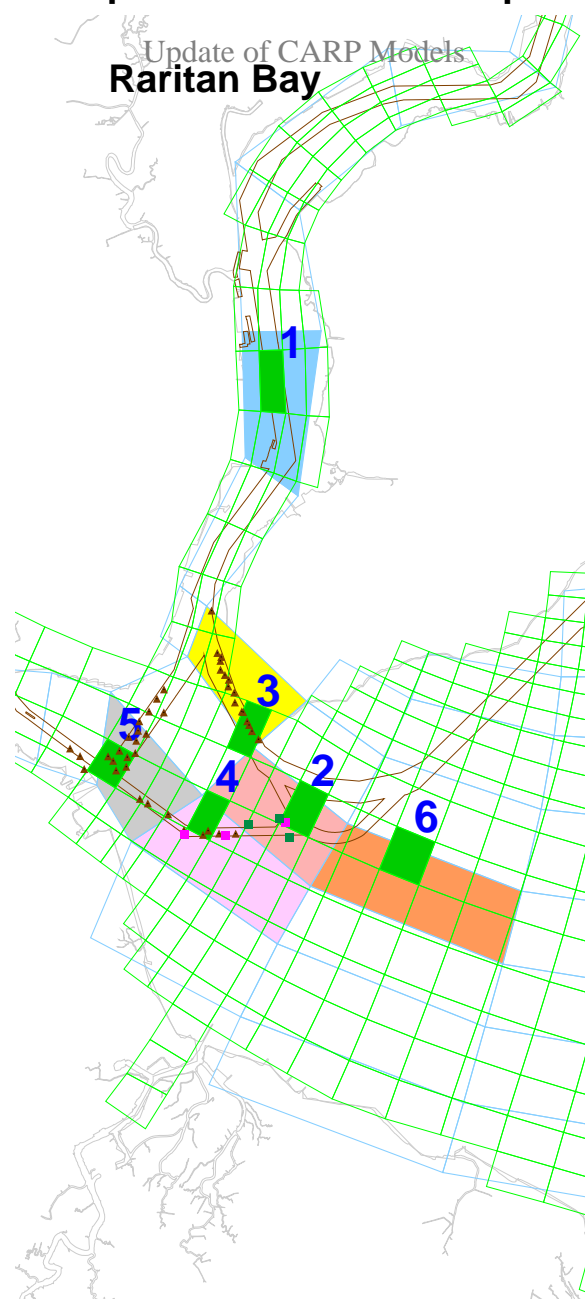
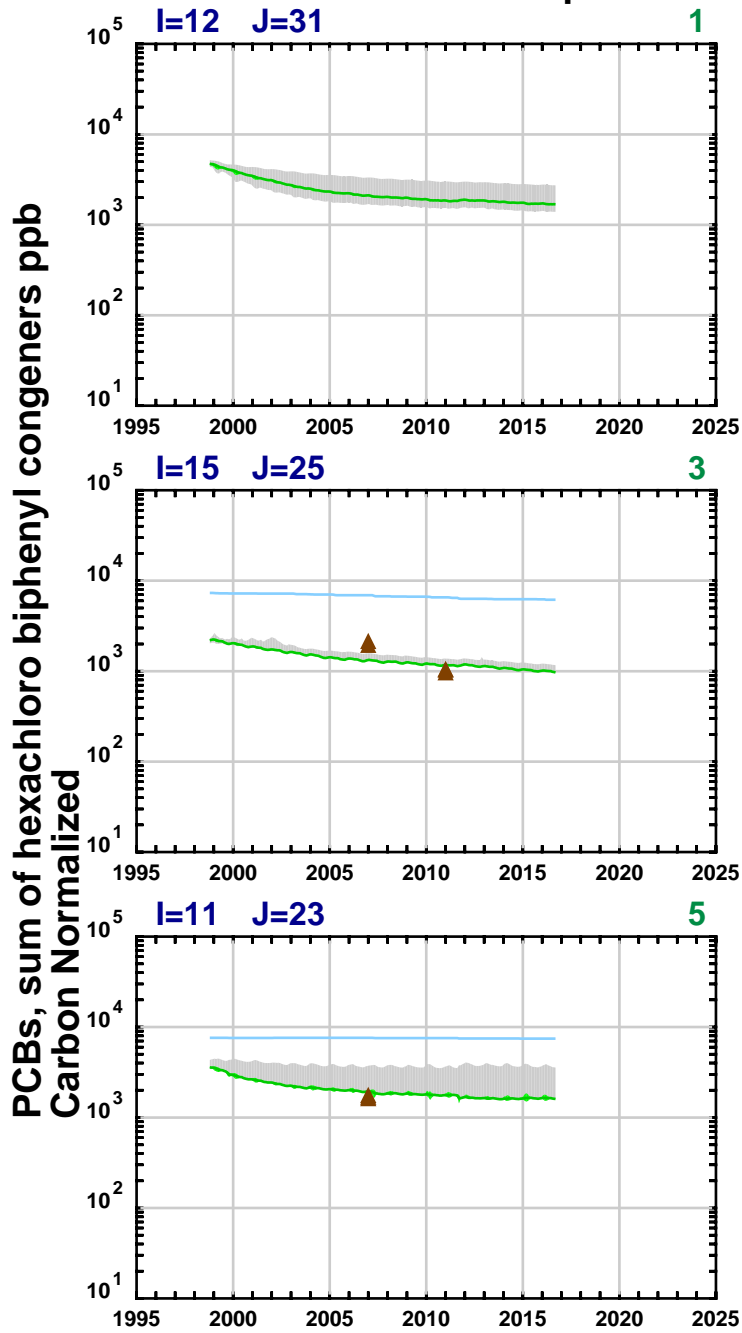


RUN18

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

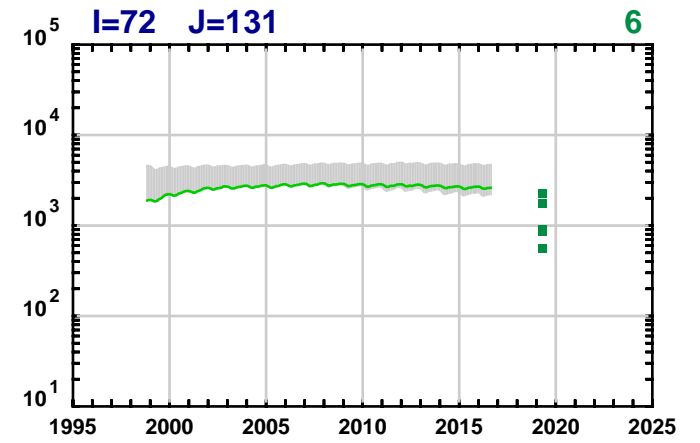
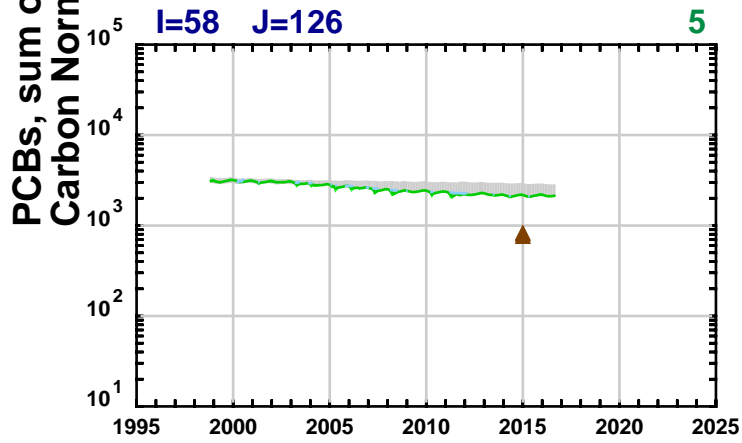
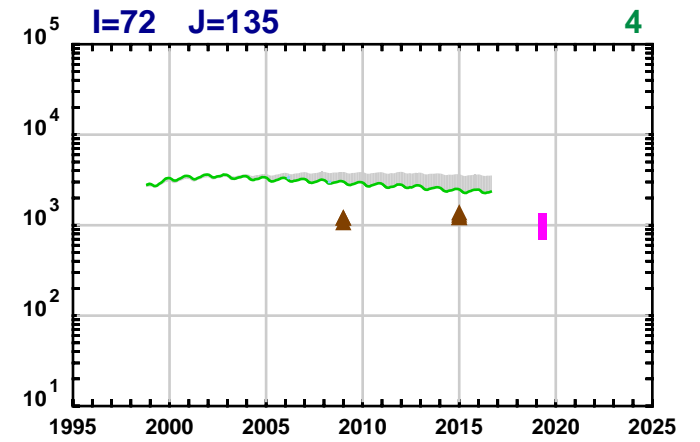
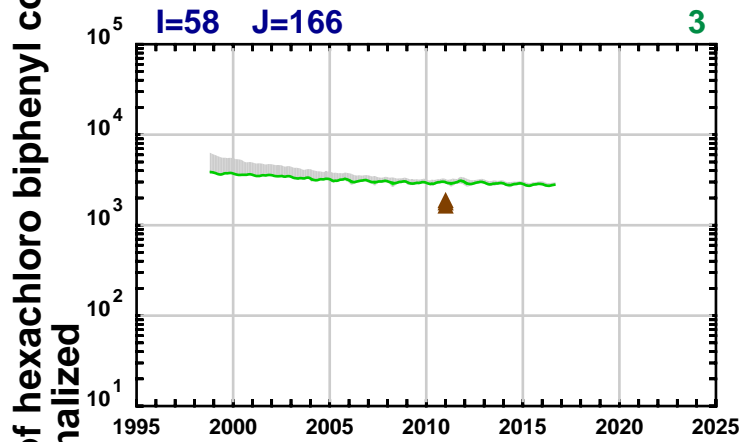
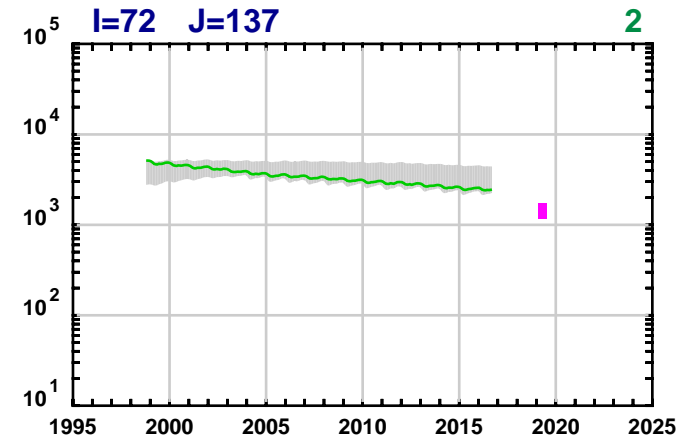
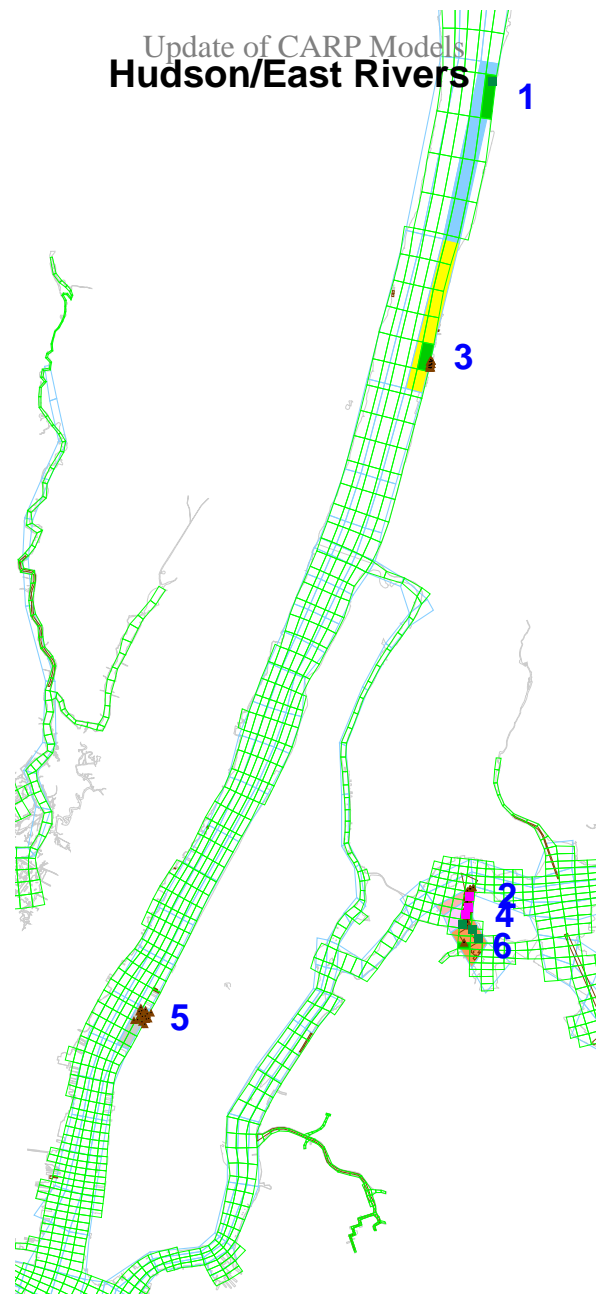
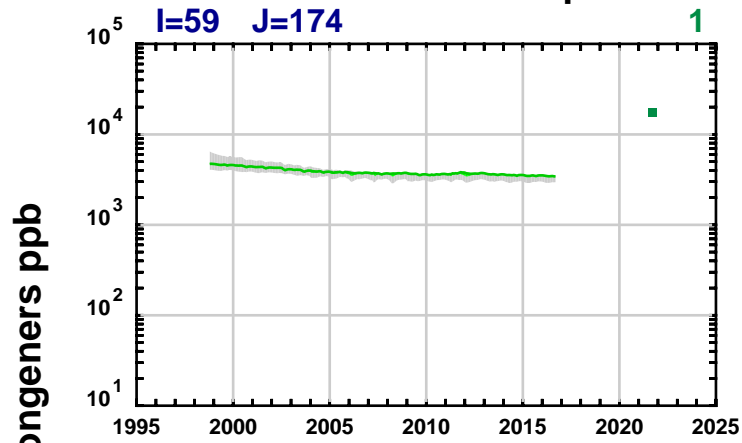


RUN18

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

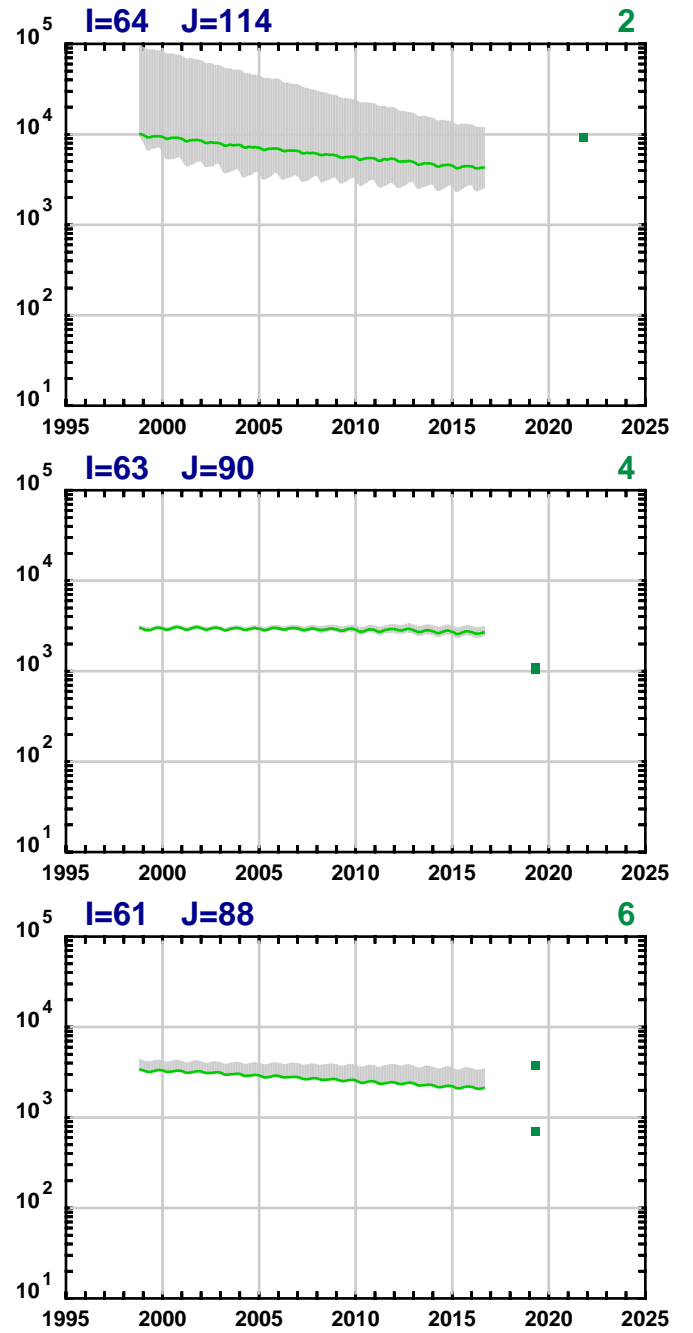
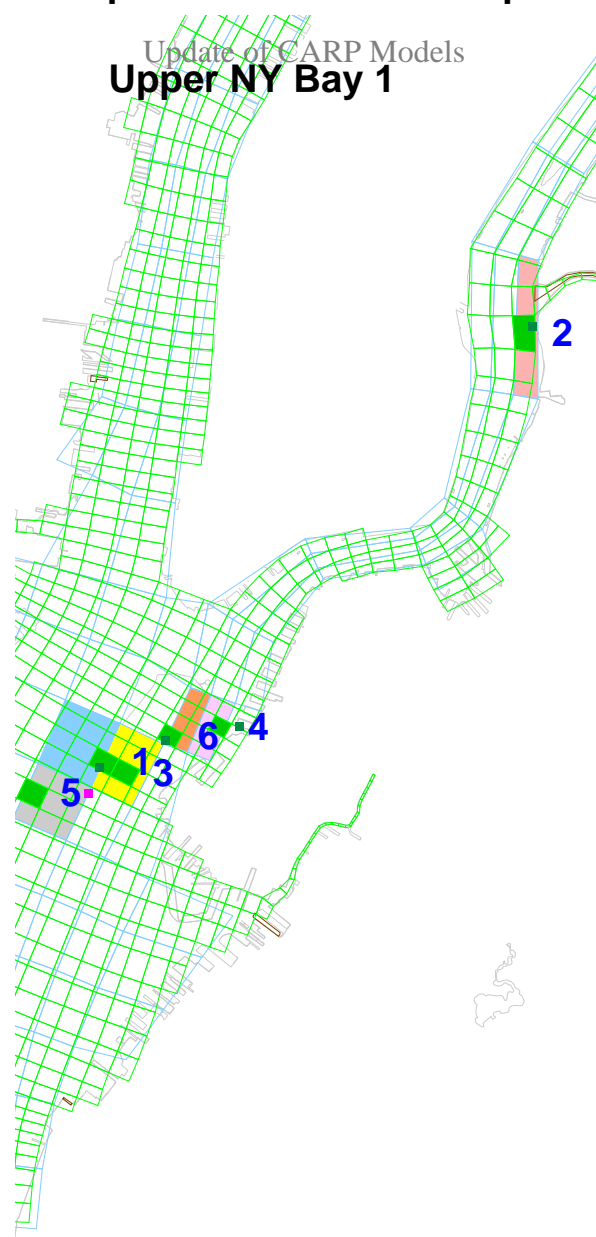
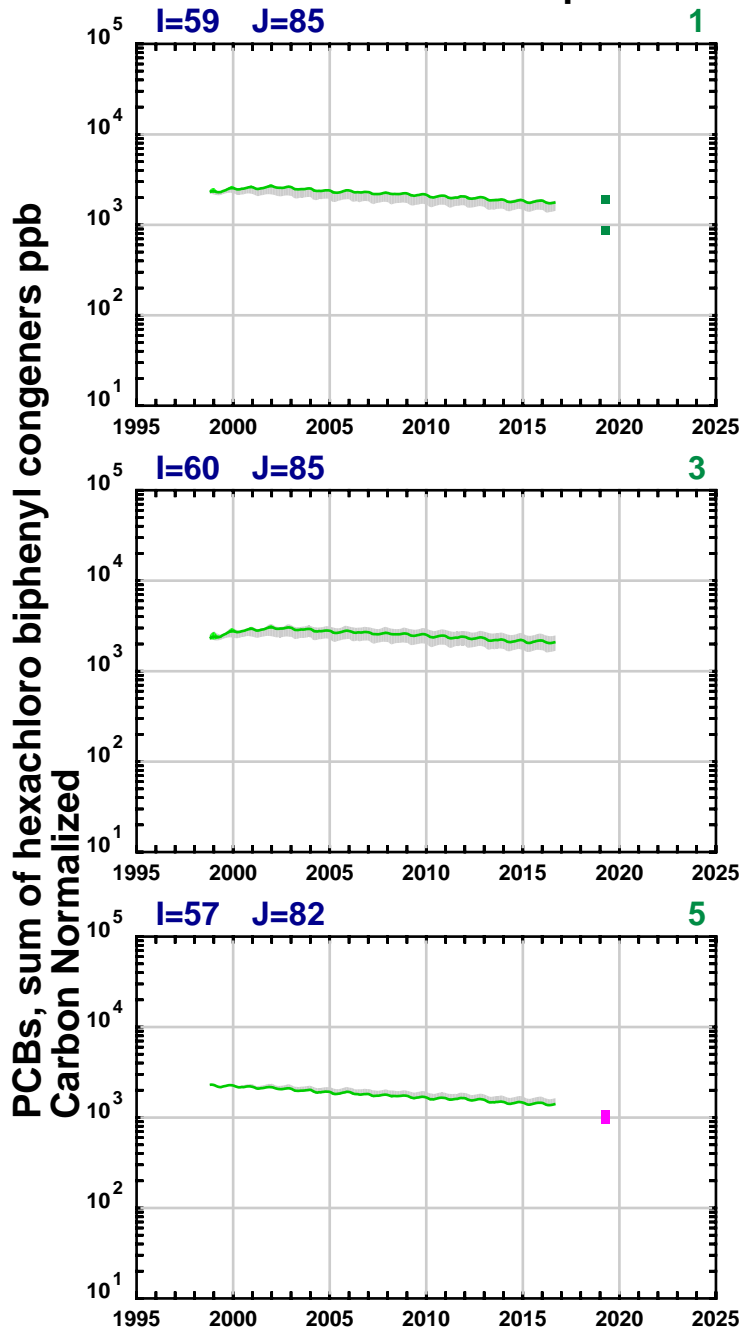


RUN18

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

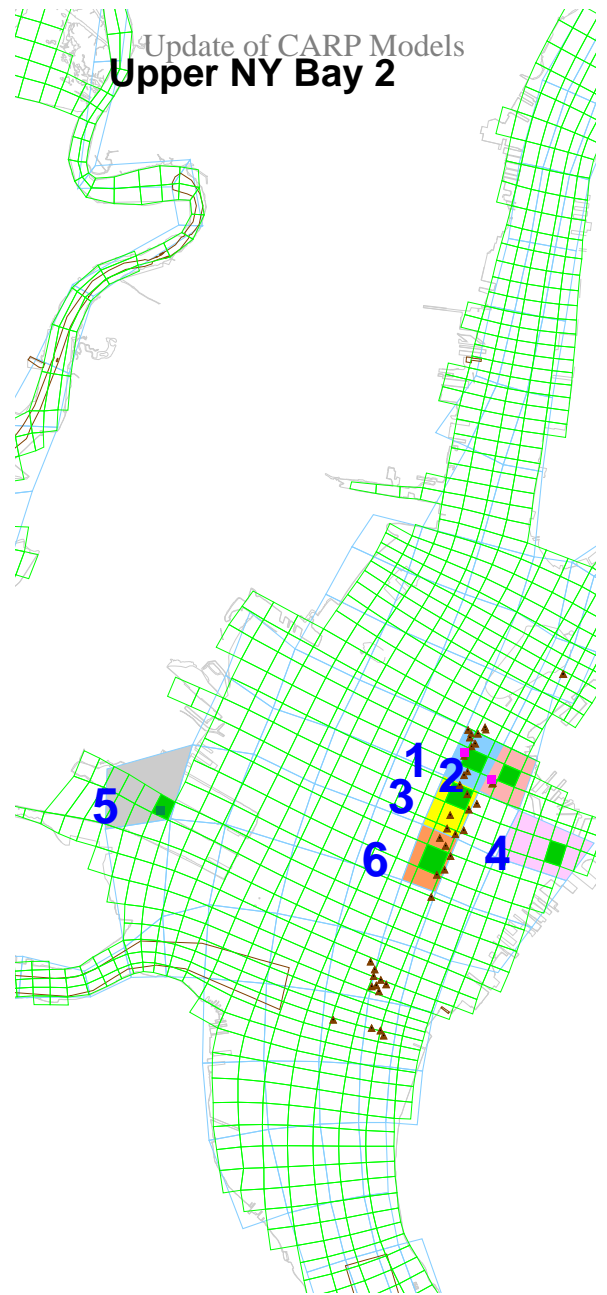
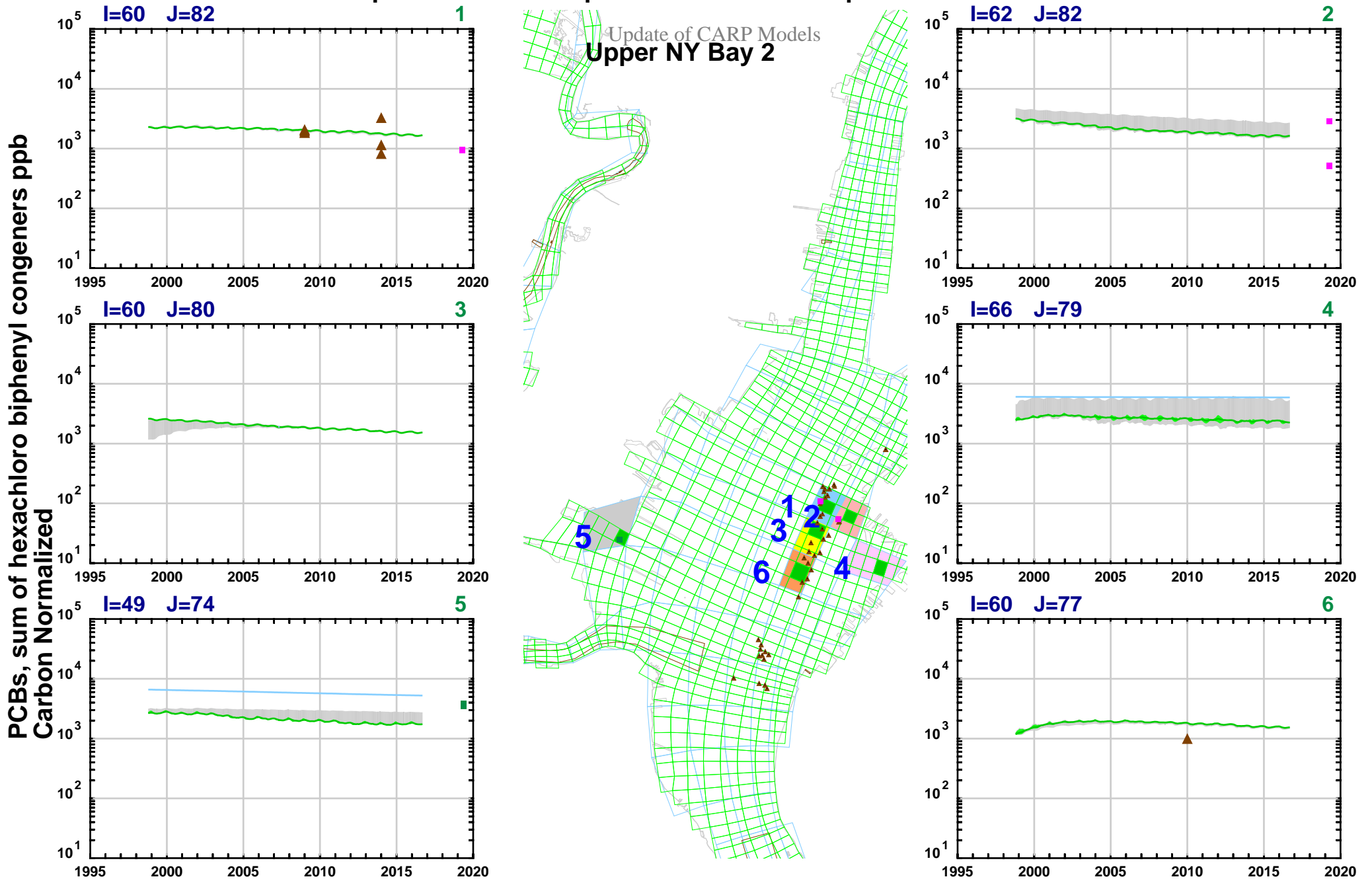


RUN18

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



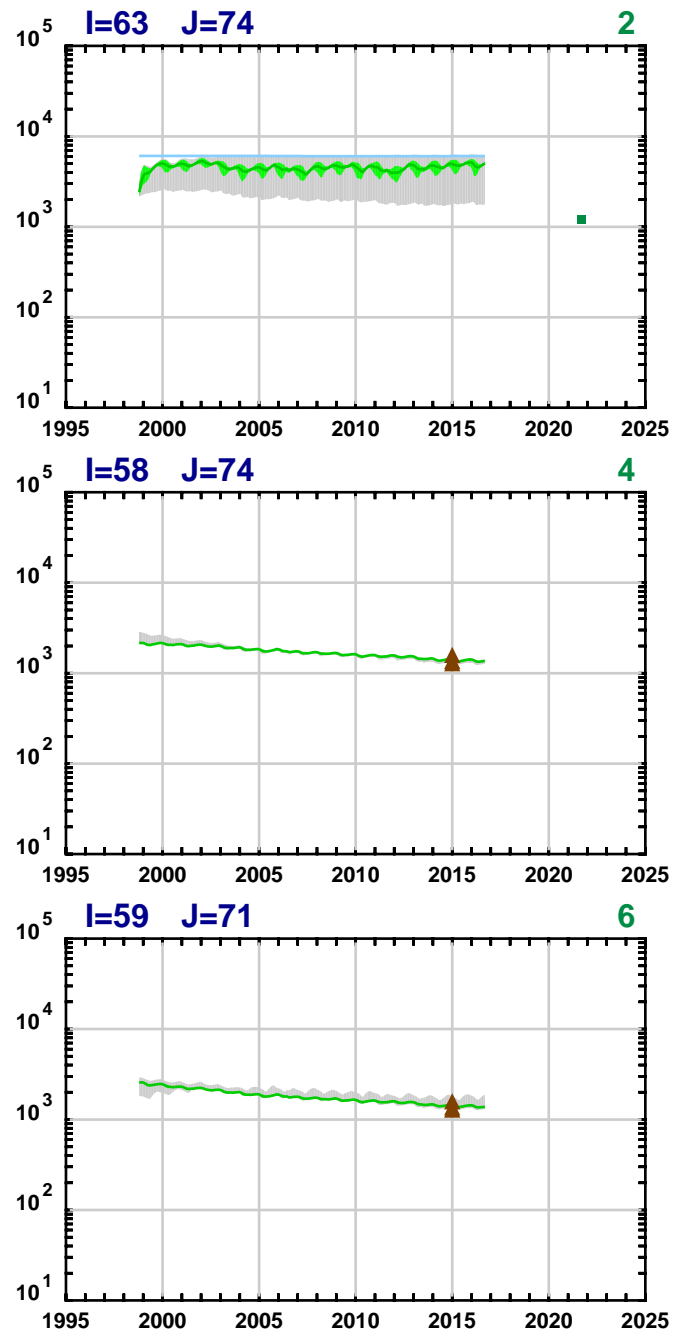
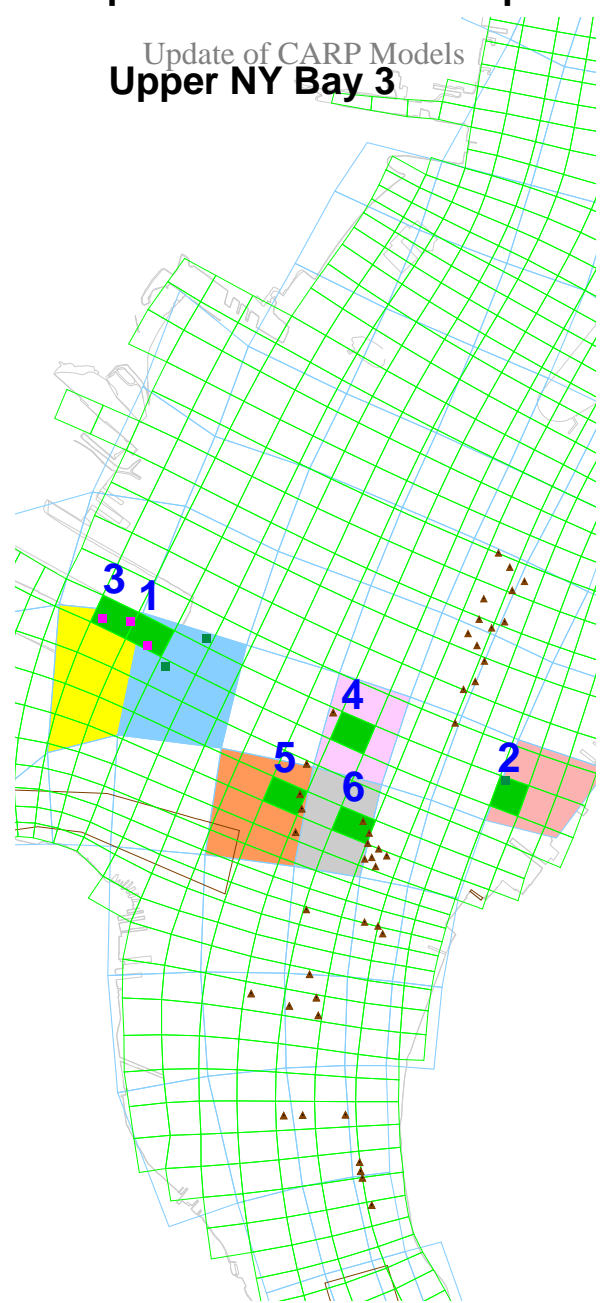
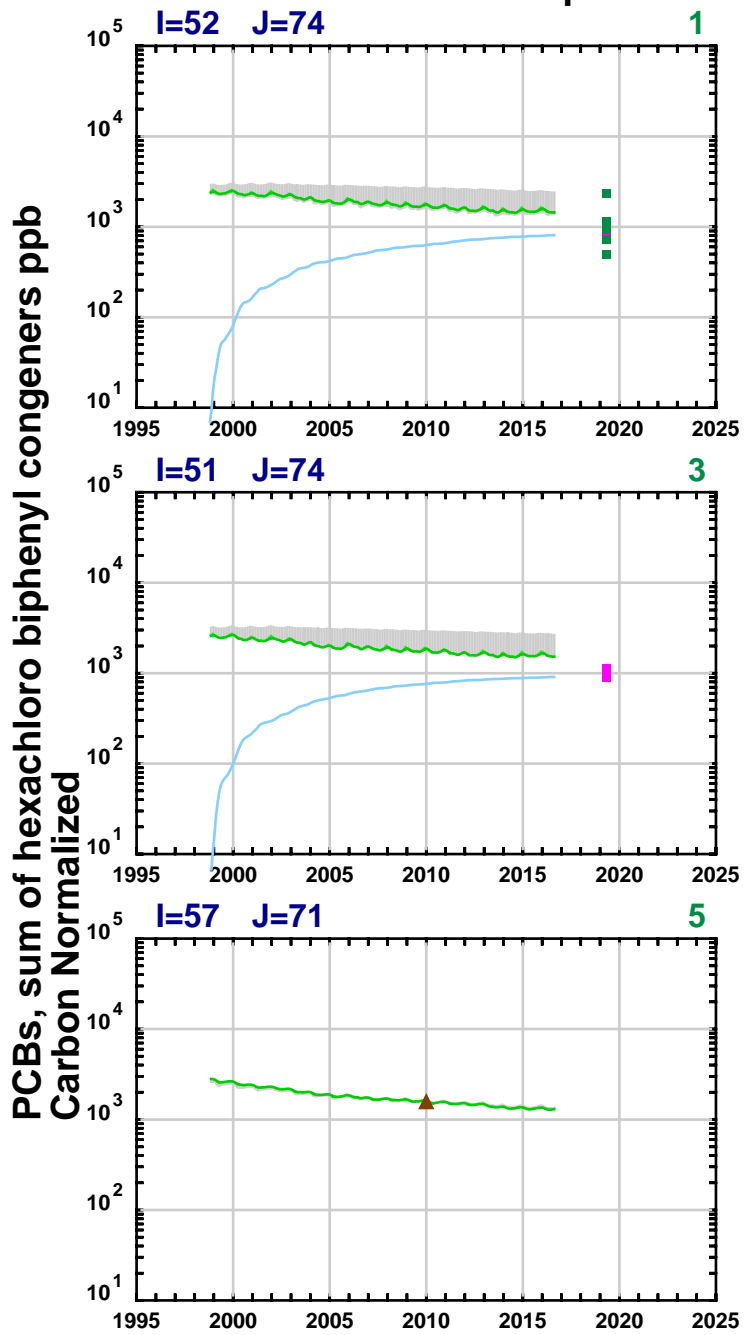
Update of CARP Models
Upper NY Bay 2

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

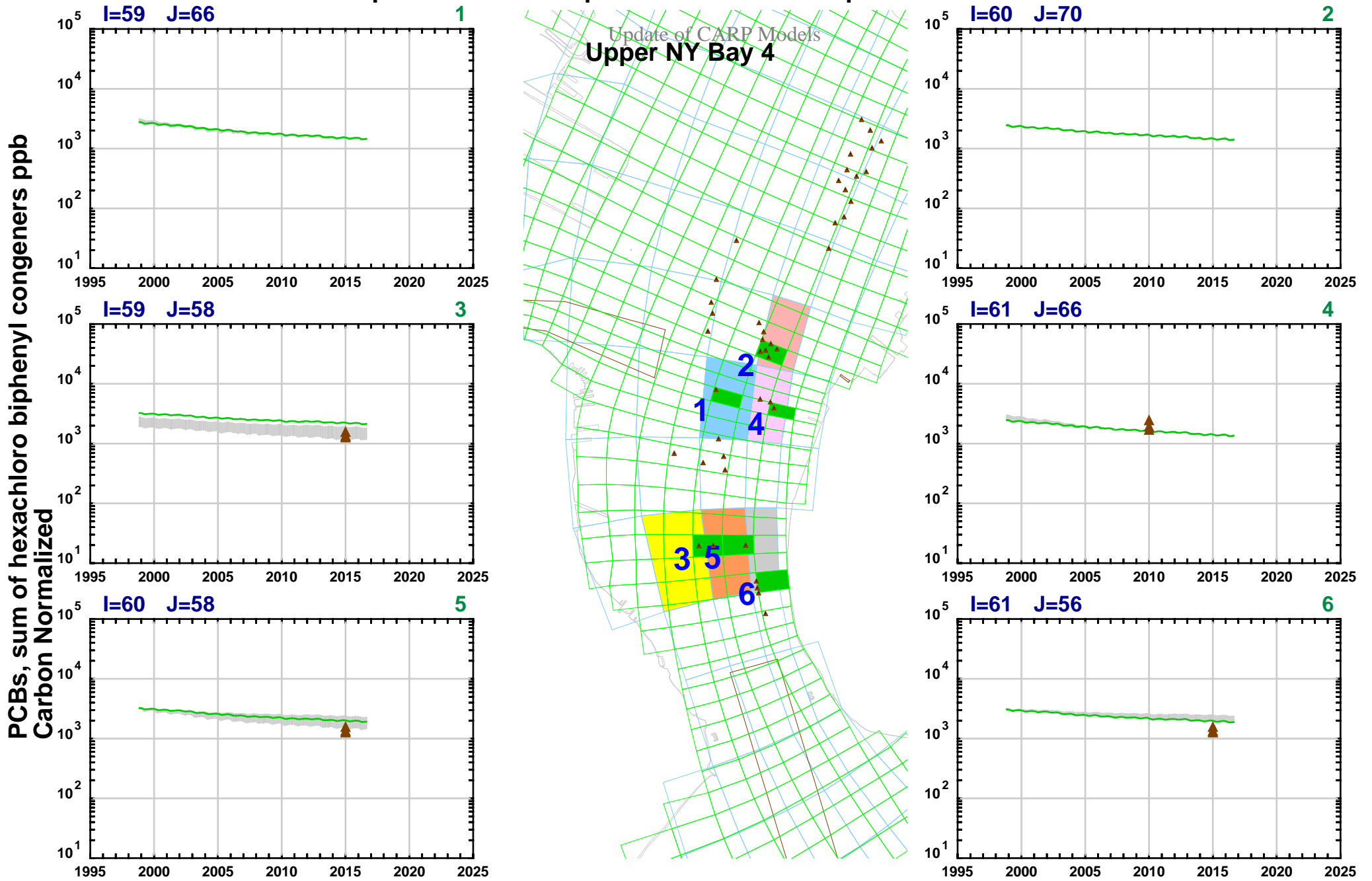


RUN18

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

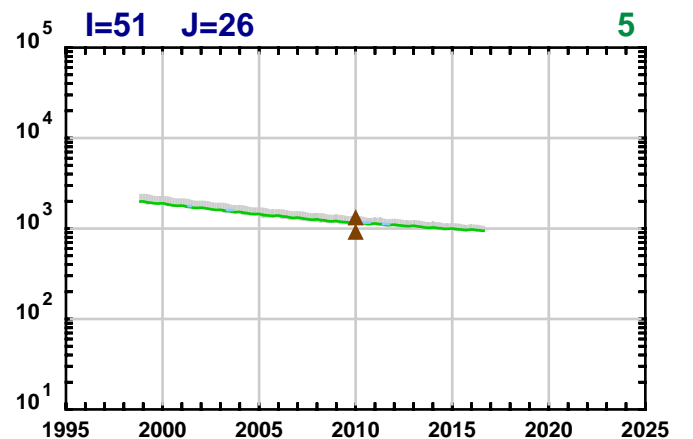
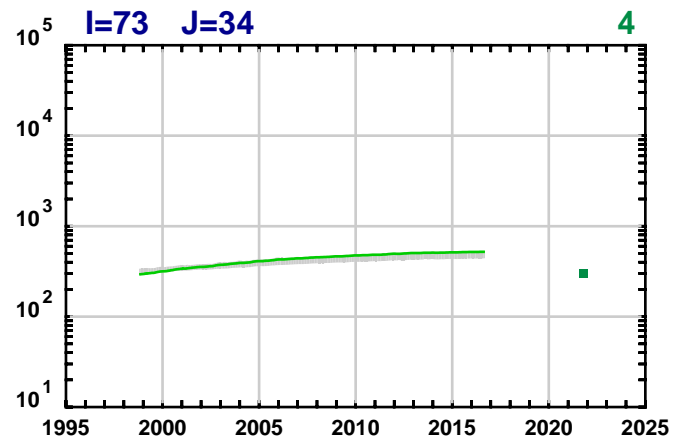
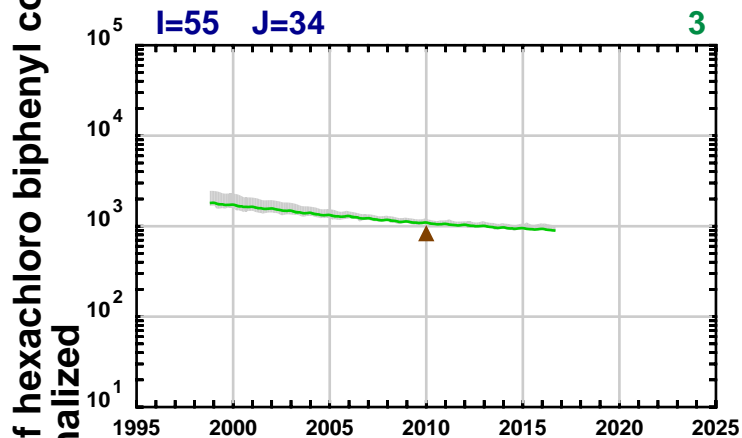
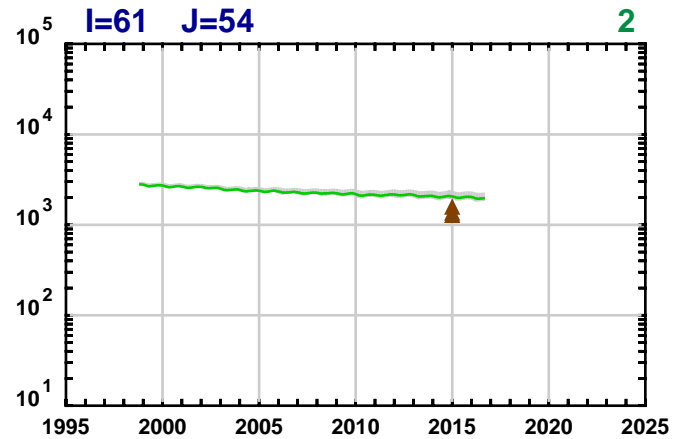
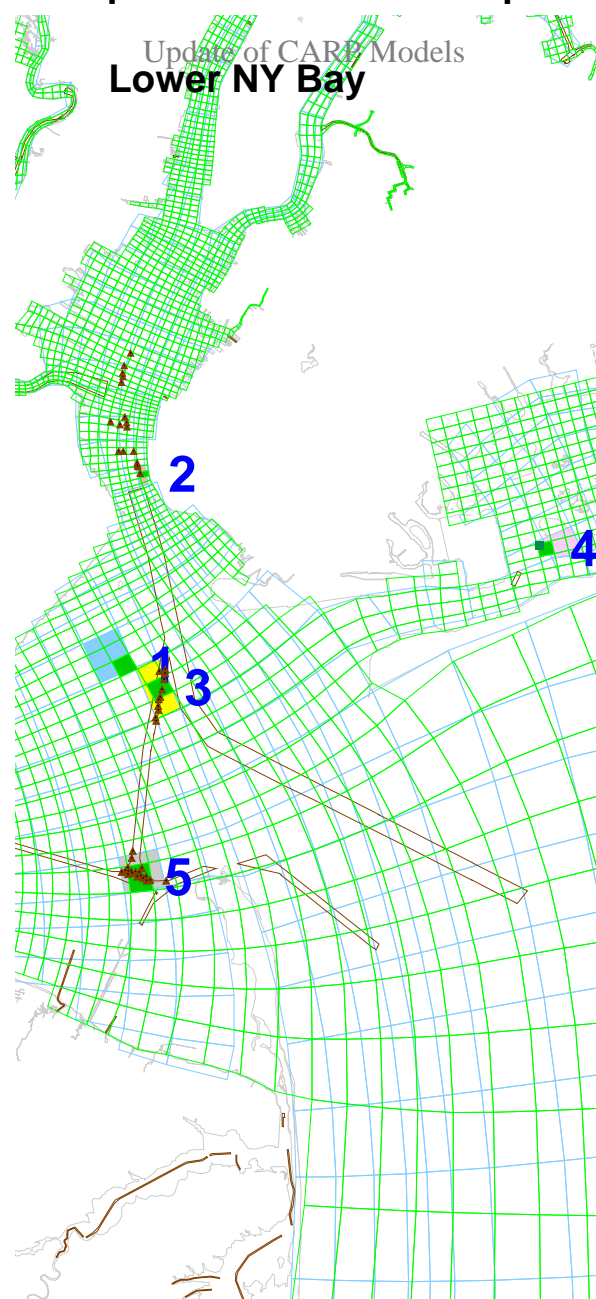
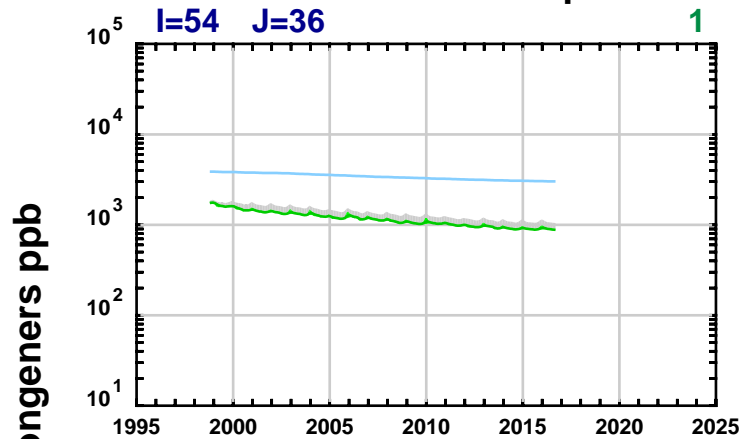


RUN18

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



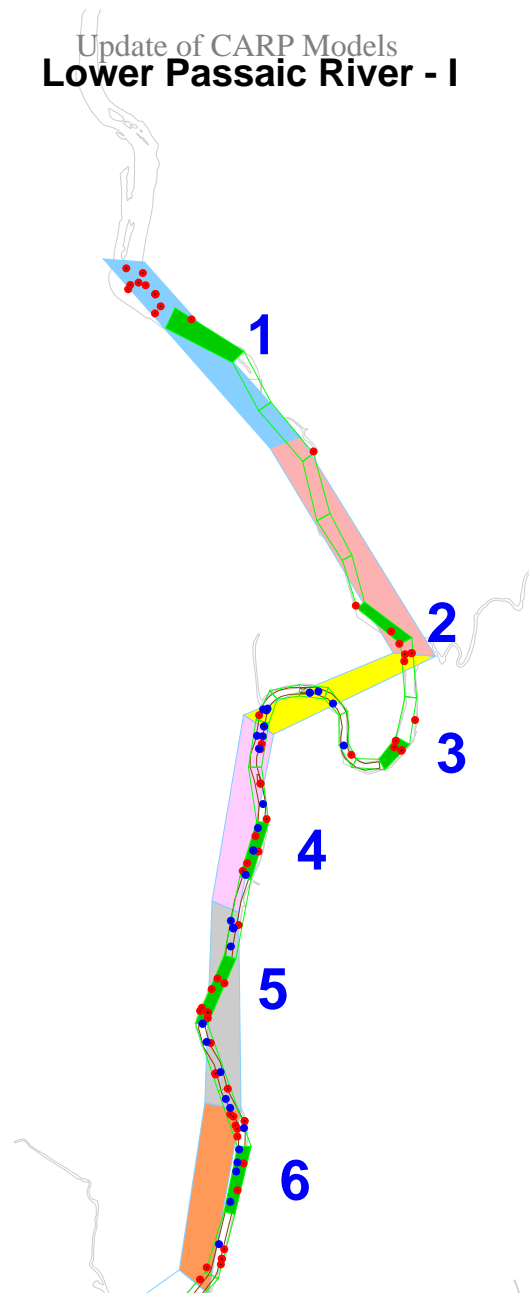
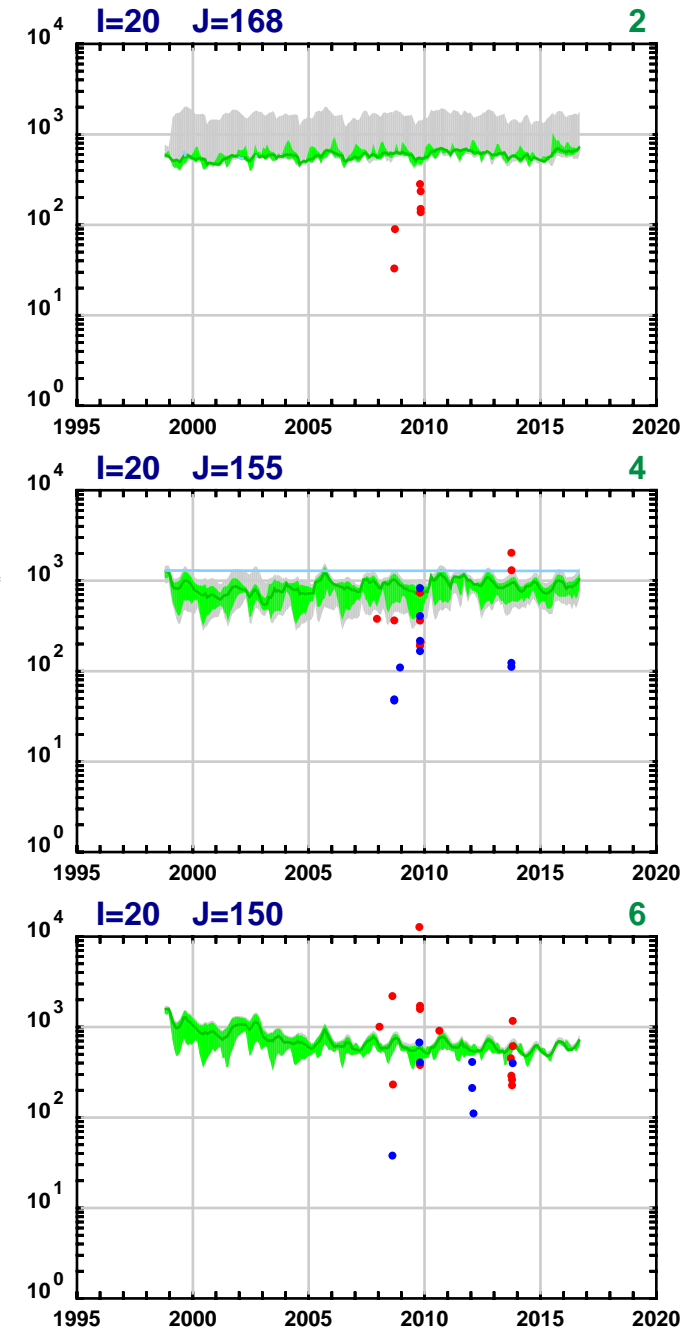
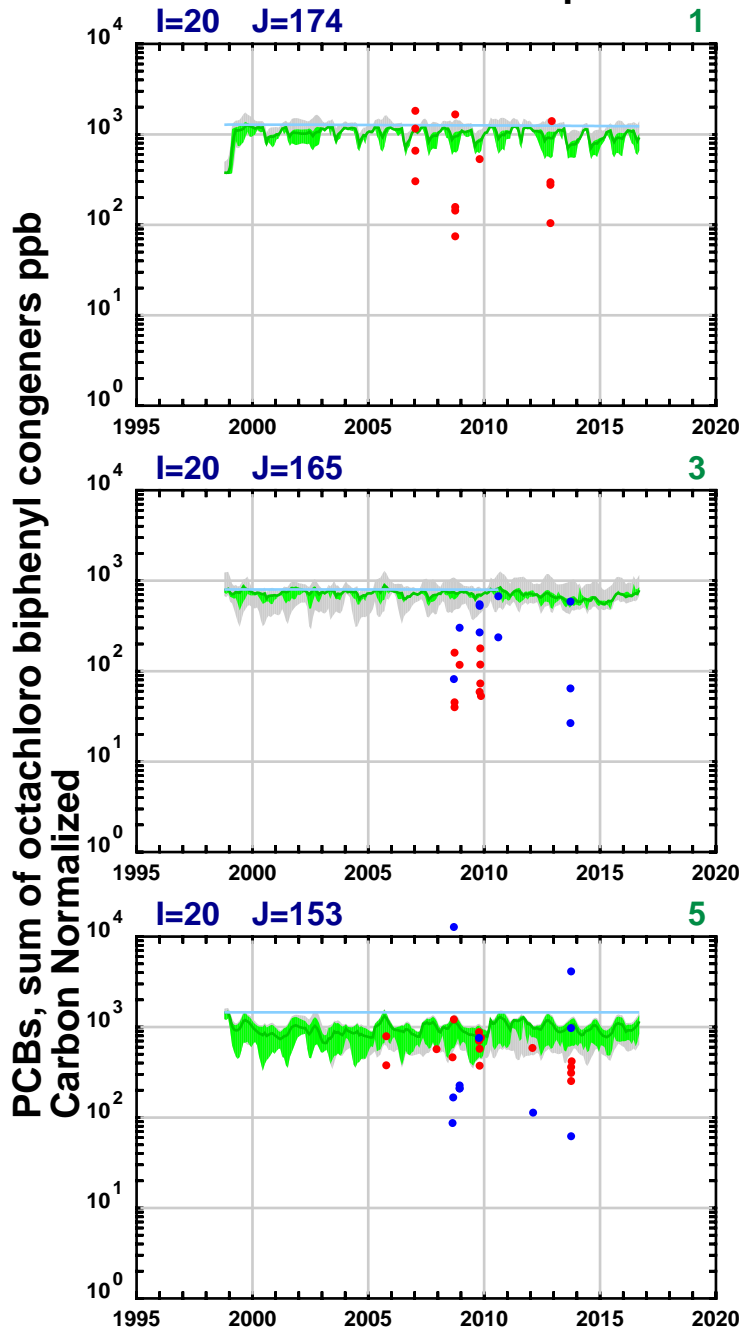
RUN18

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

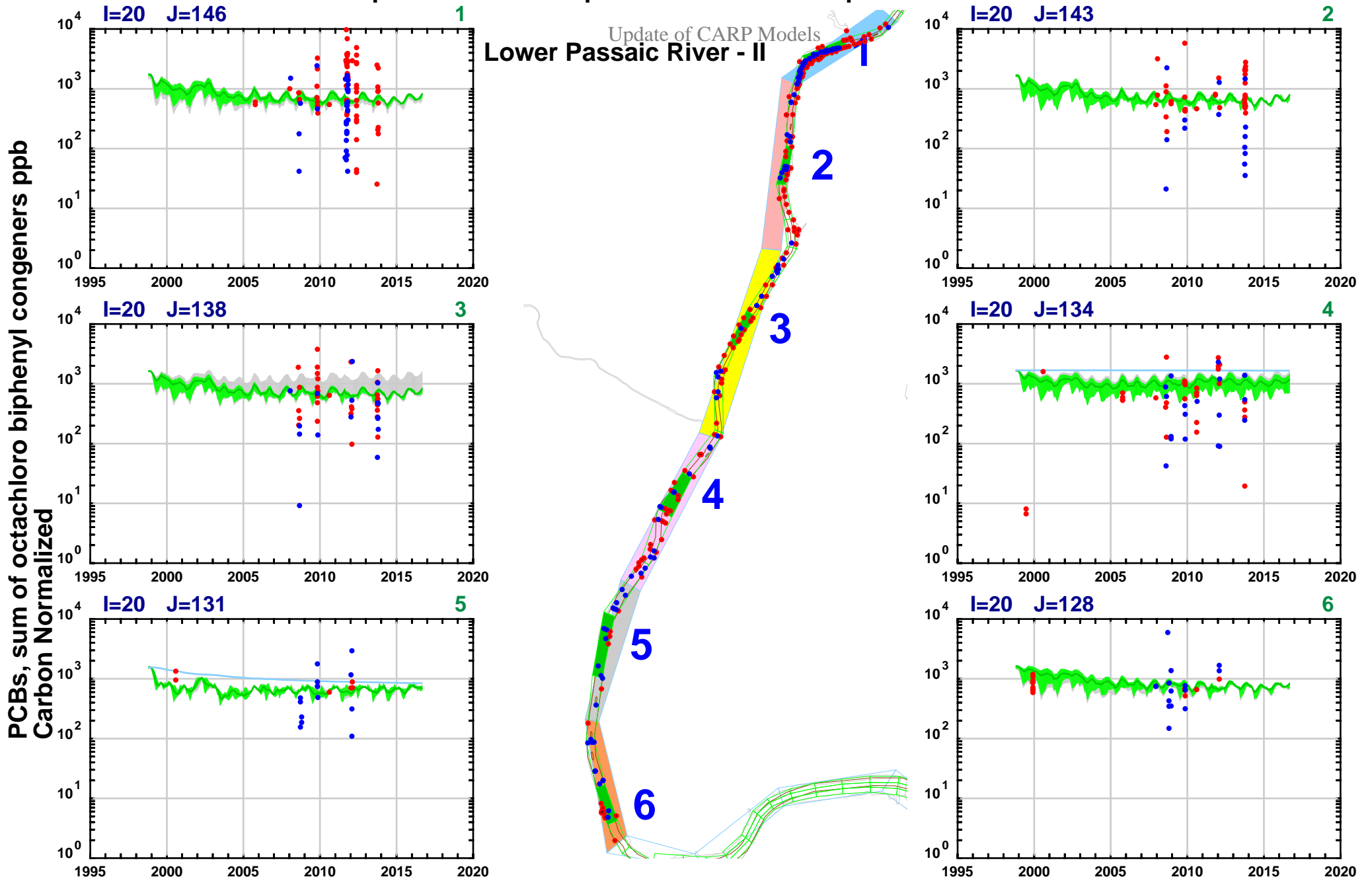


RUN18

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

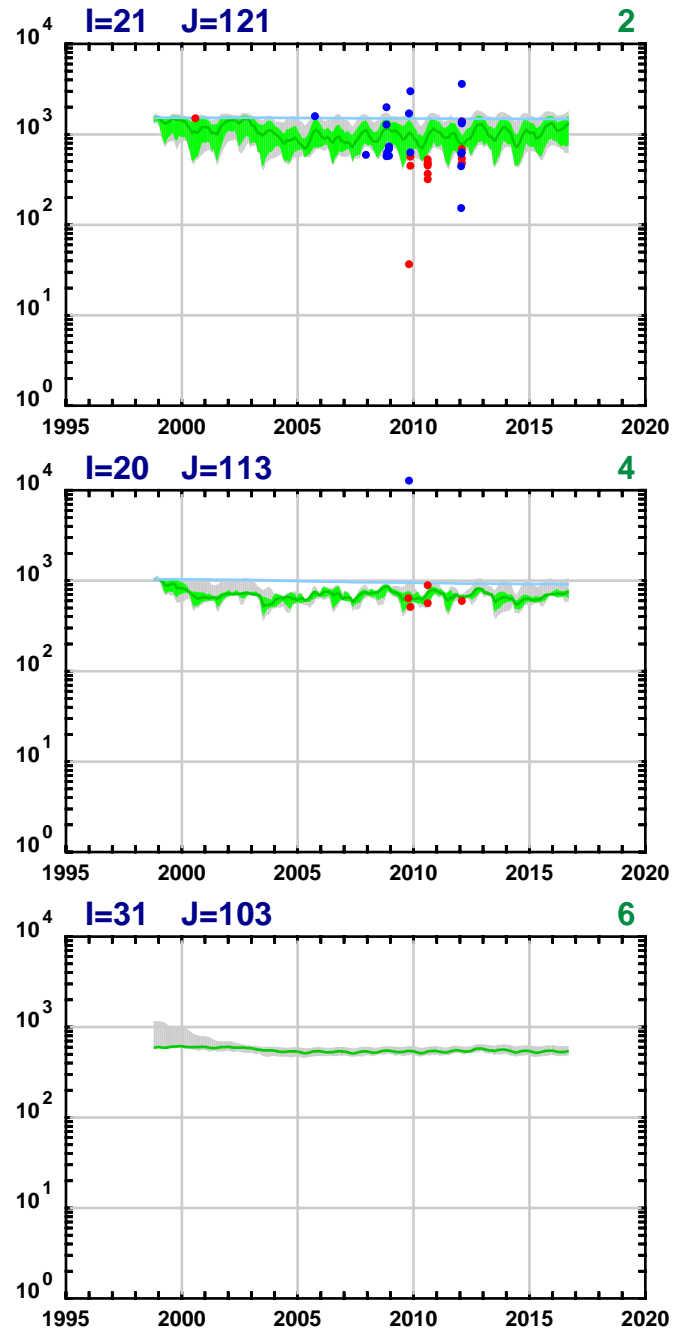
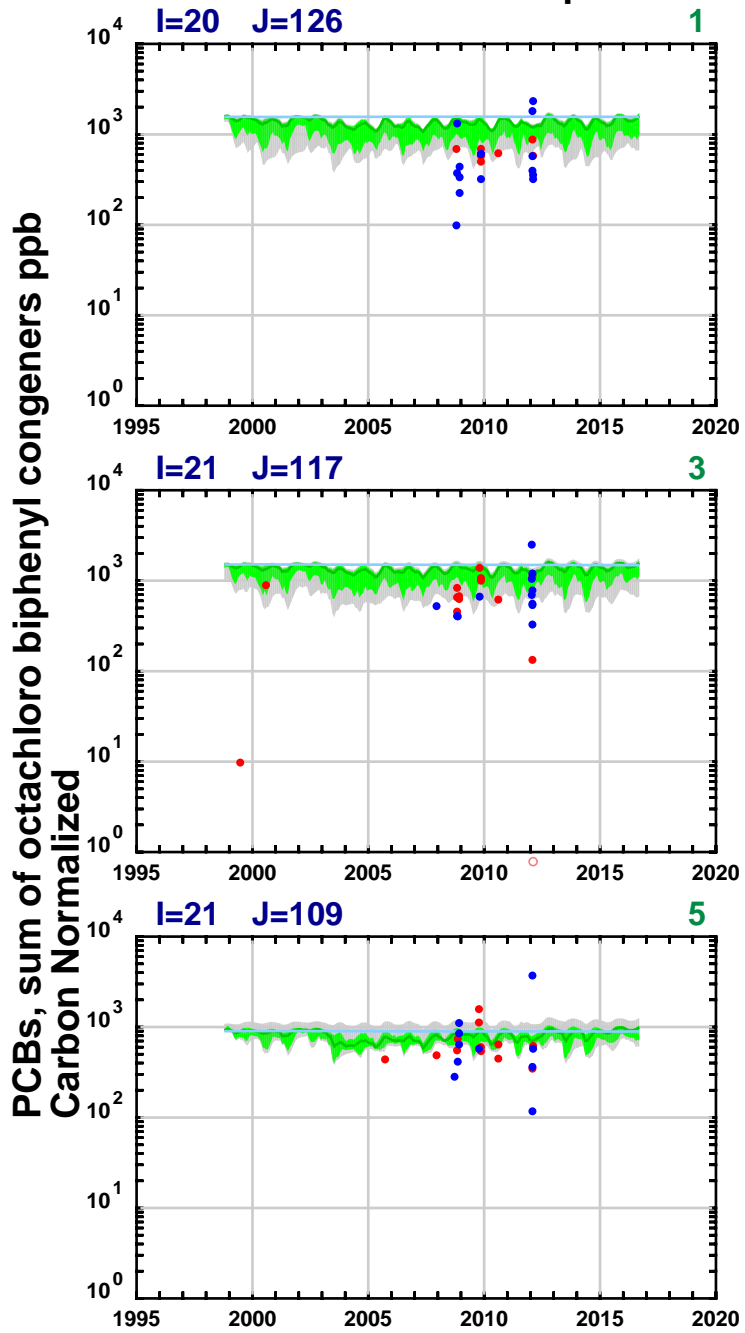


RUN18

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



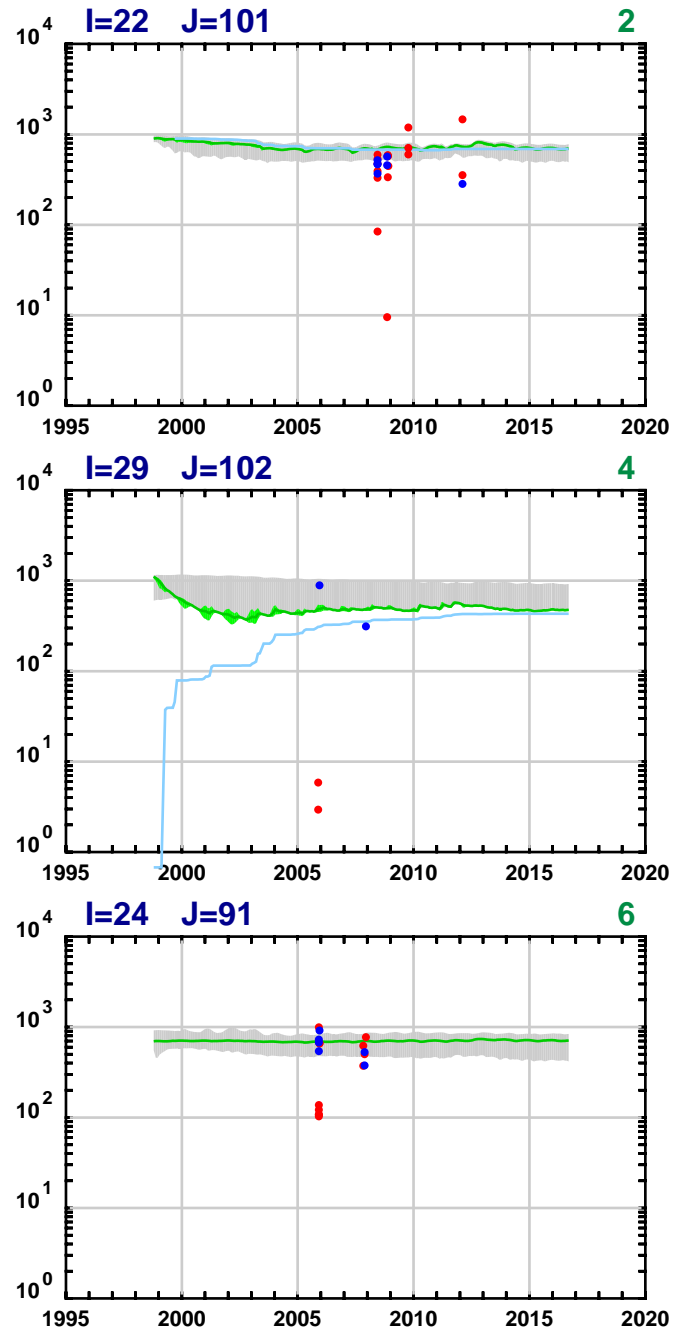
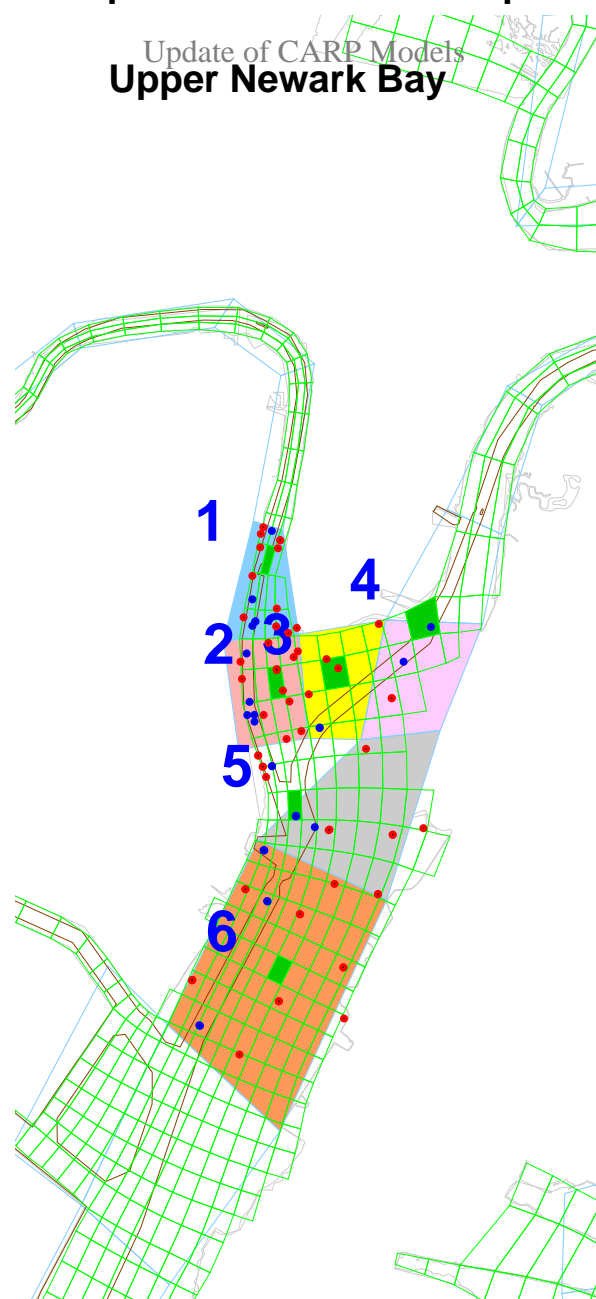
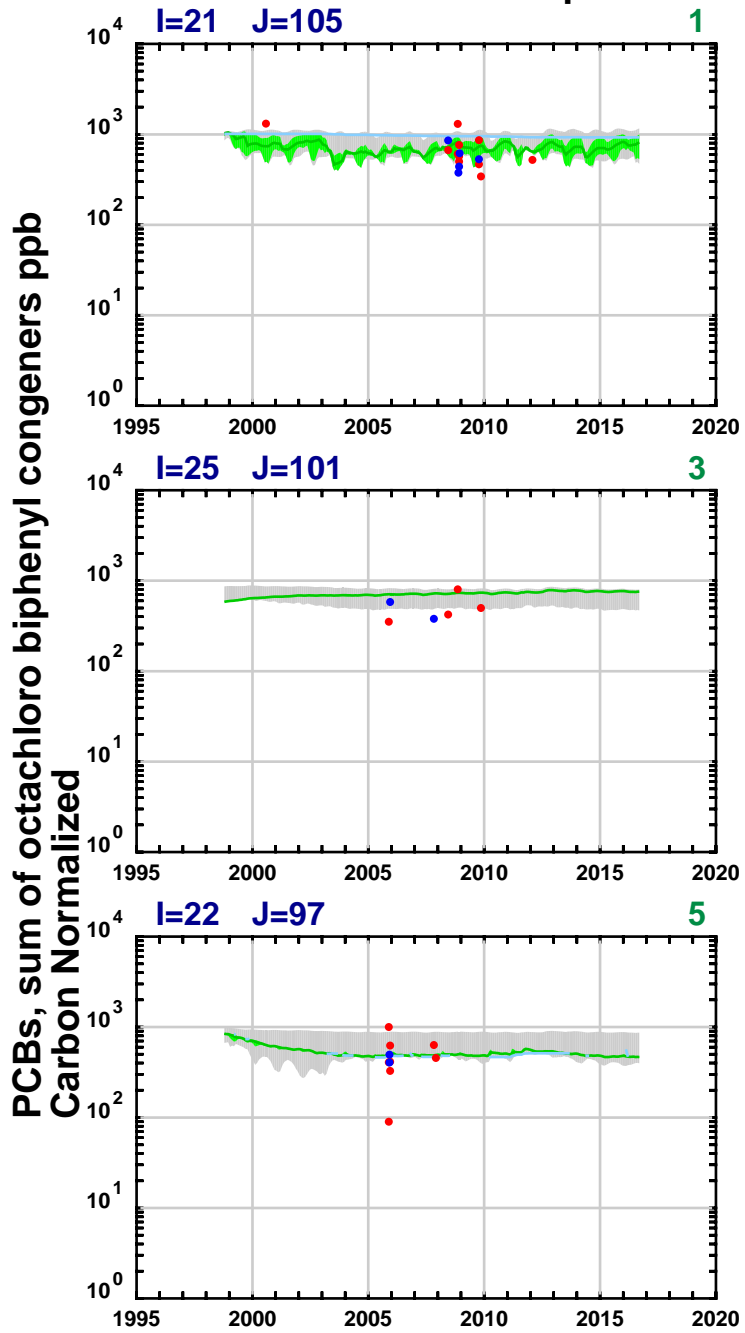
PCBs, sum of octachloro biphenyl congeners ppb
Carbon Normalized

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

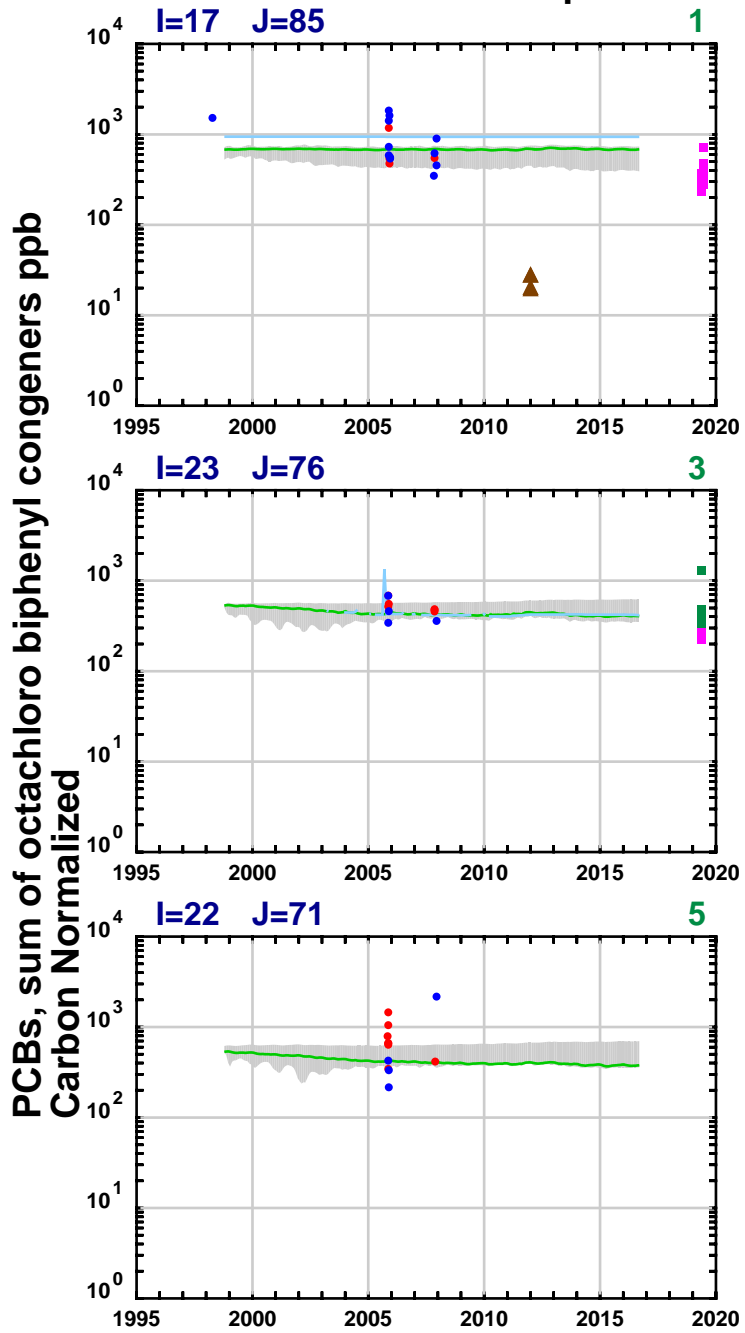


RUN18

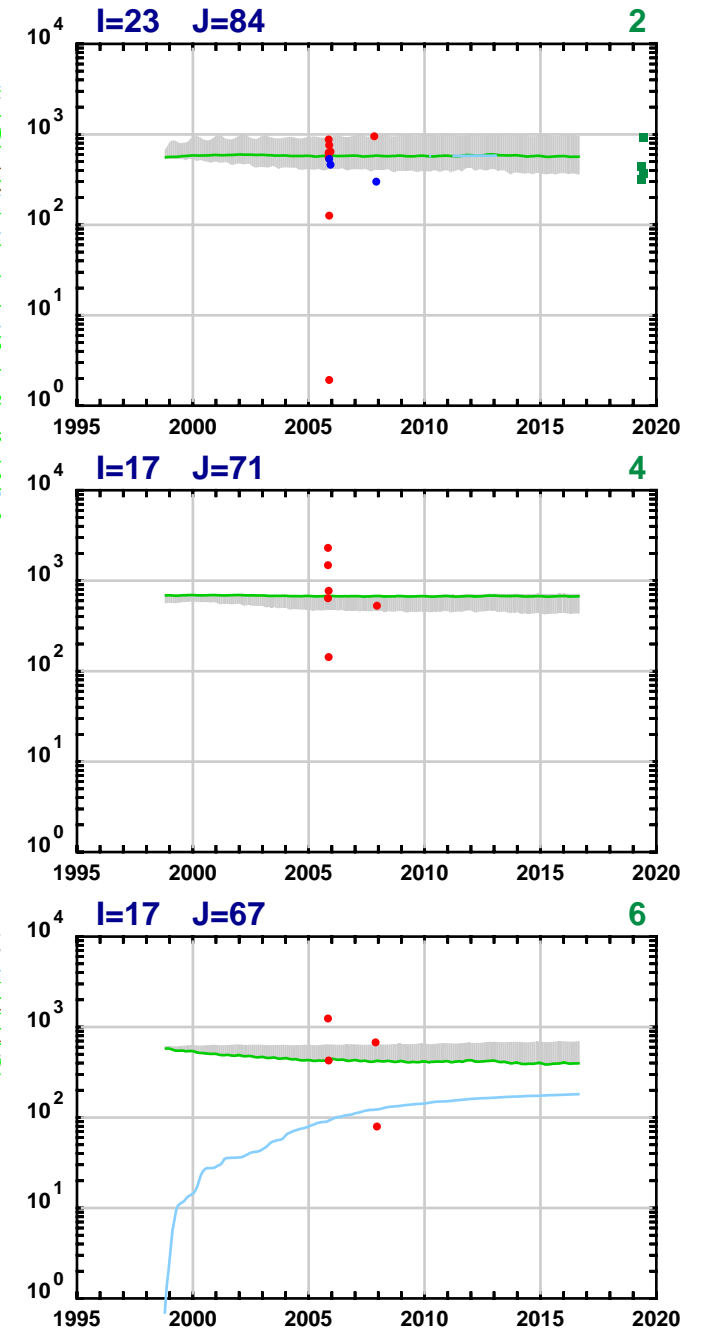
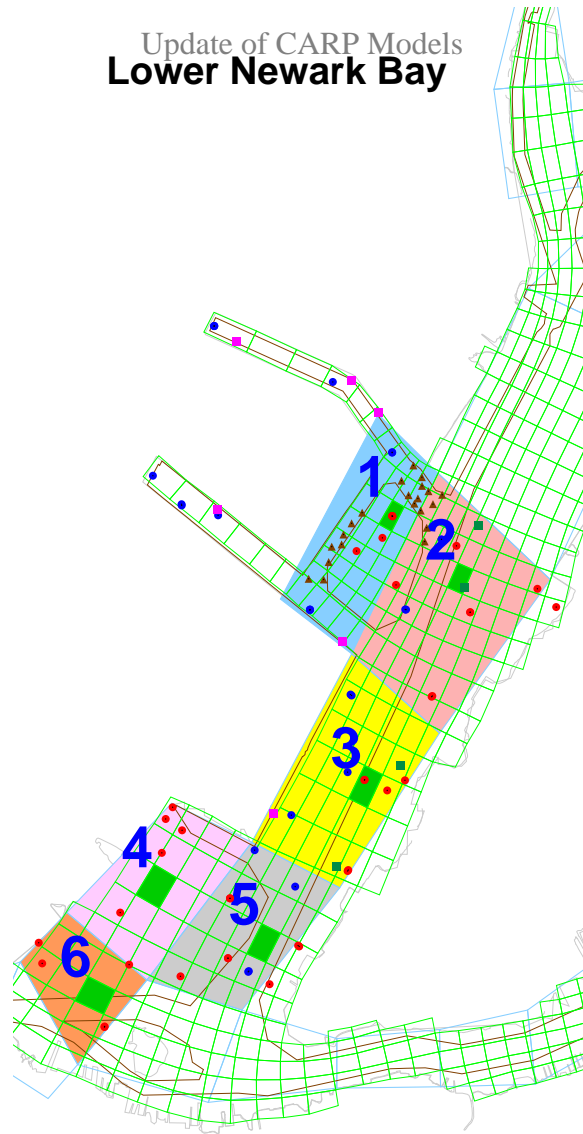
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● 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



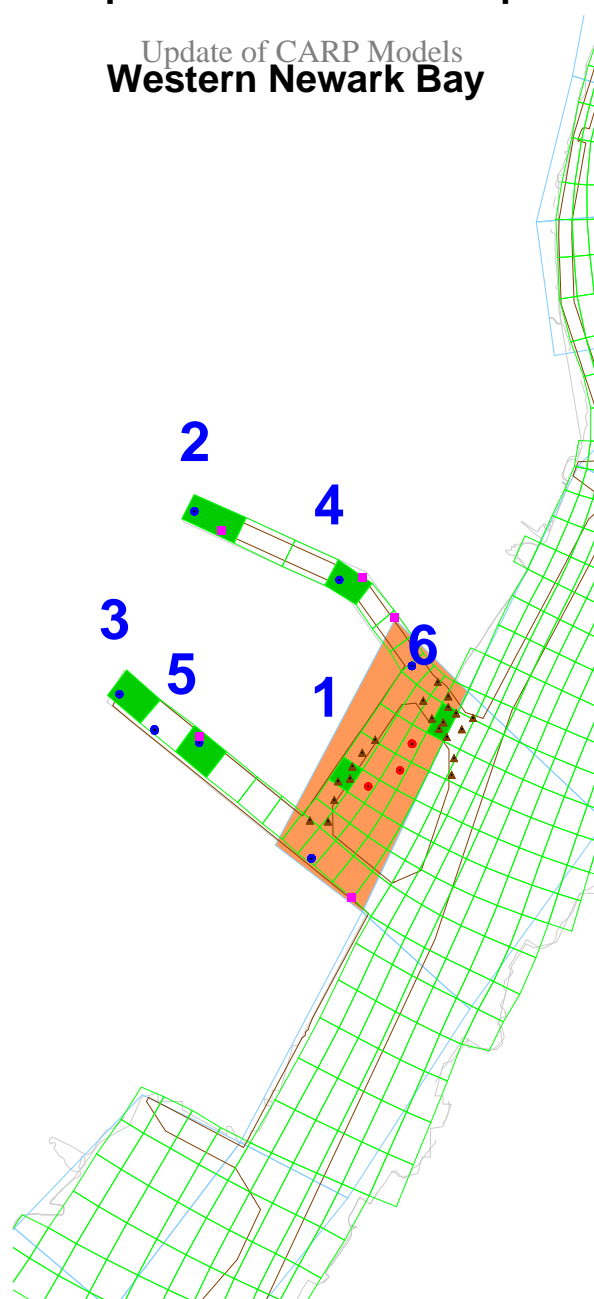
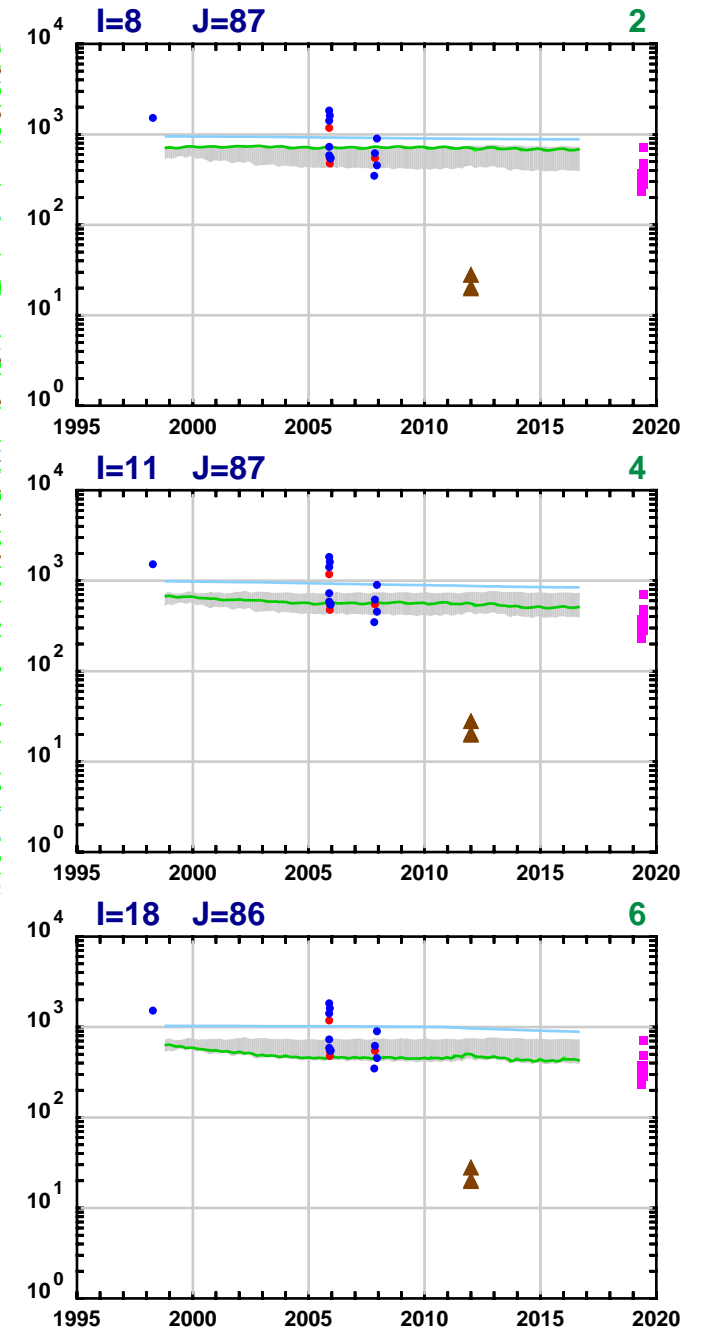
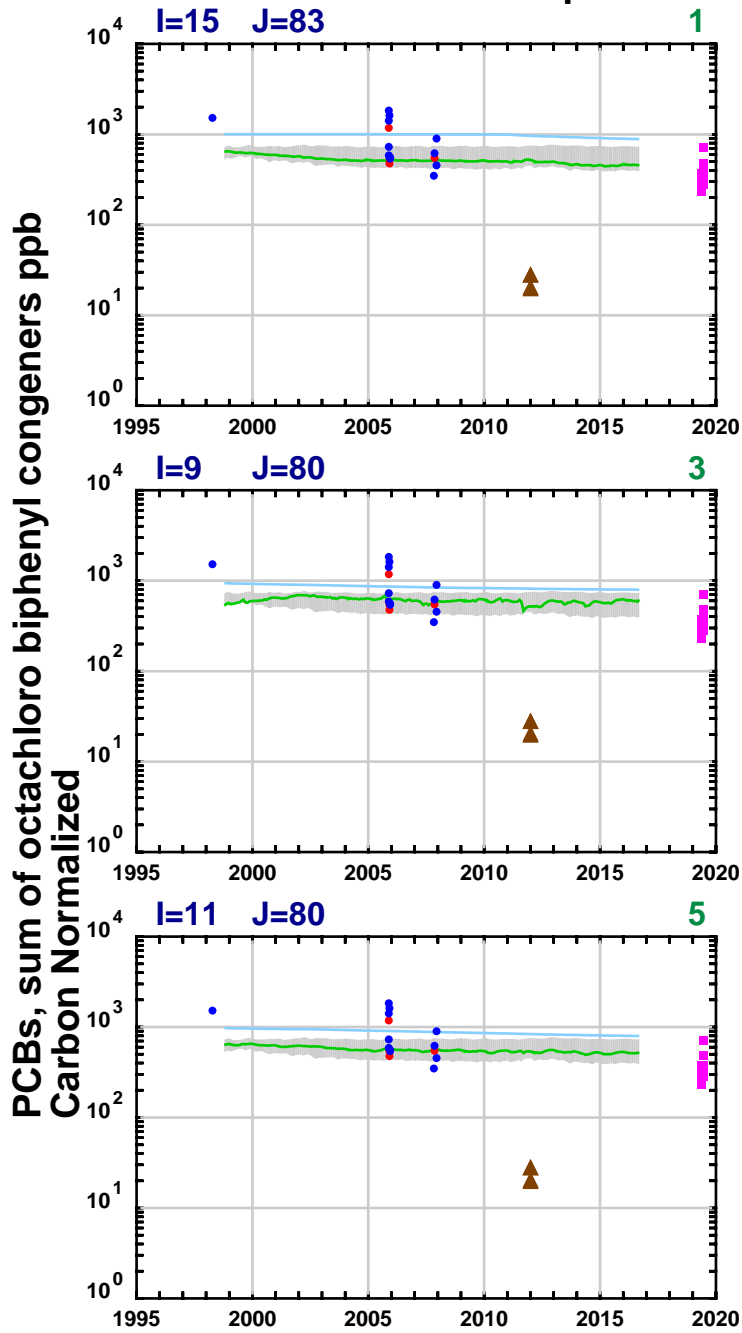
RUN18

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



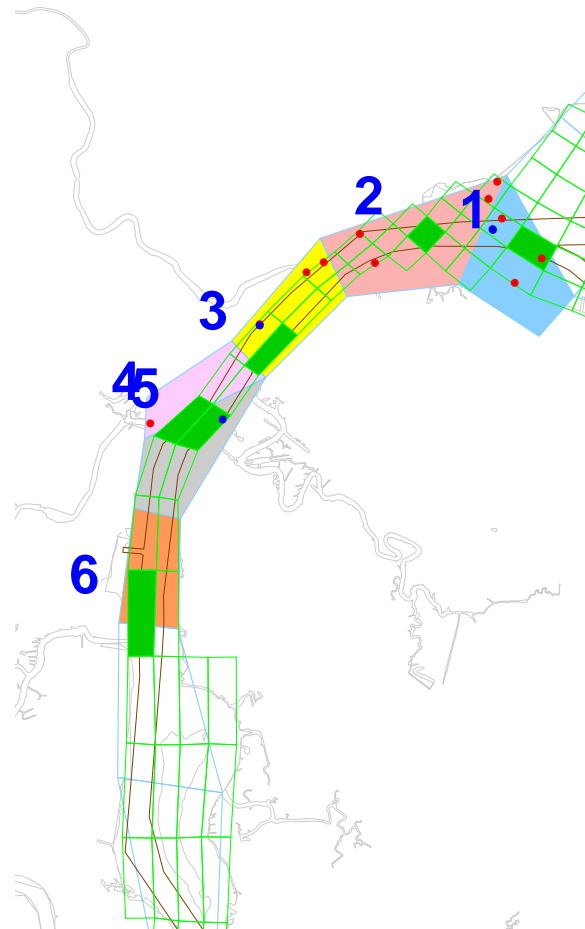
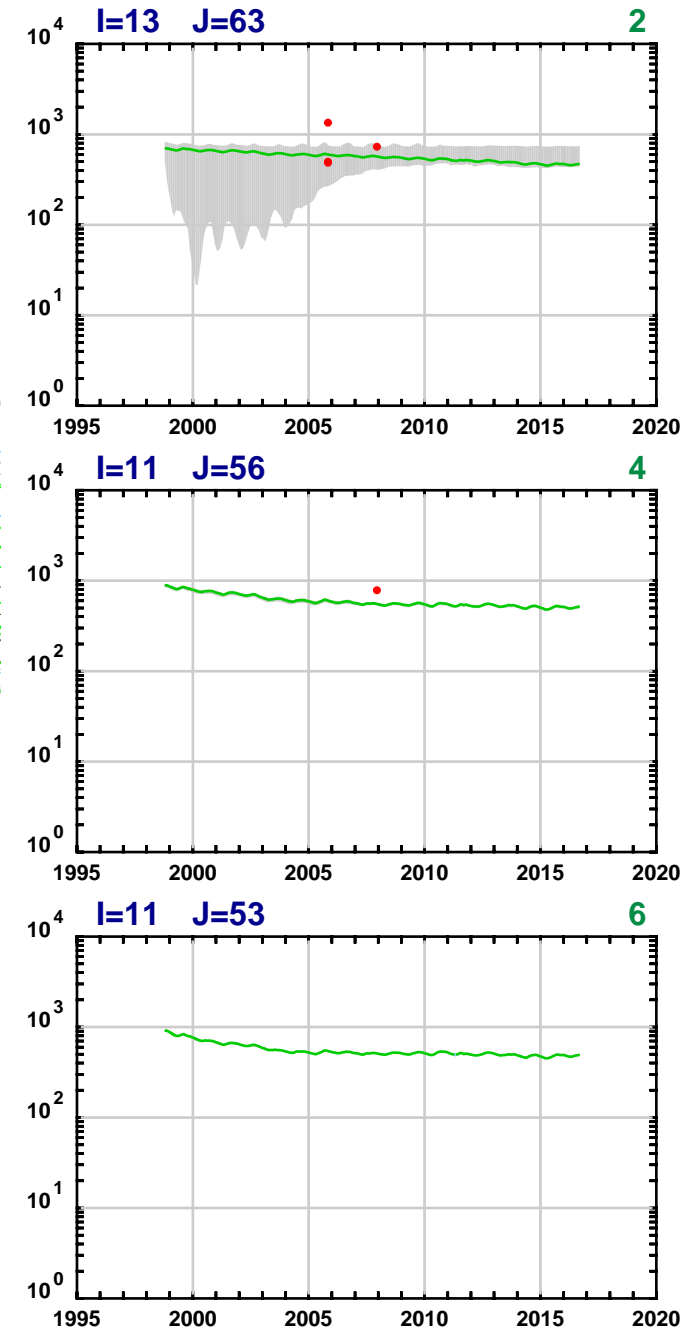
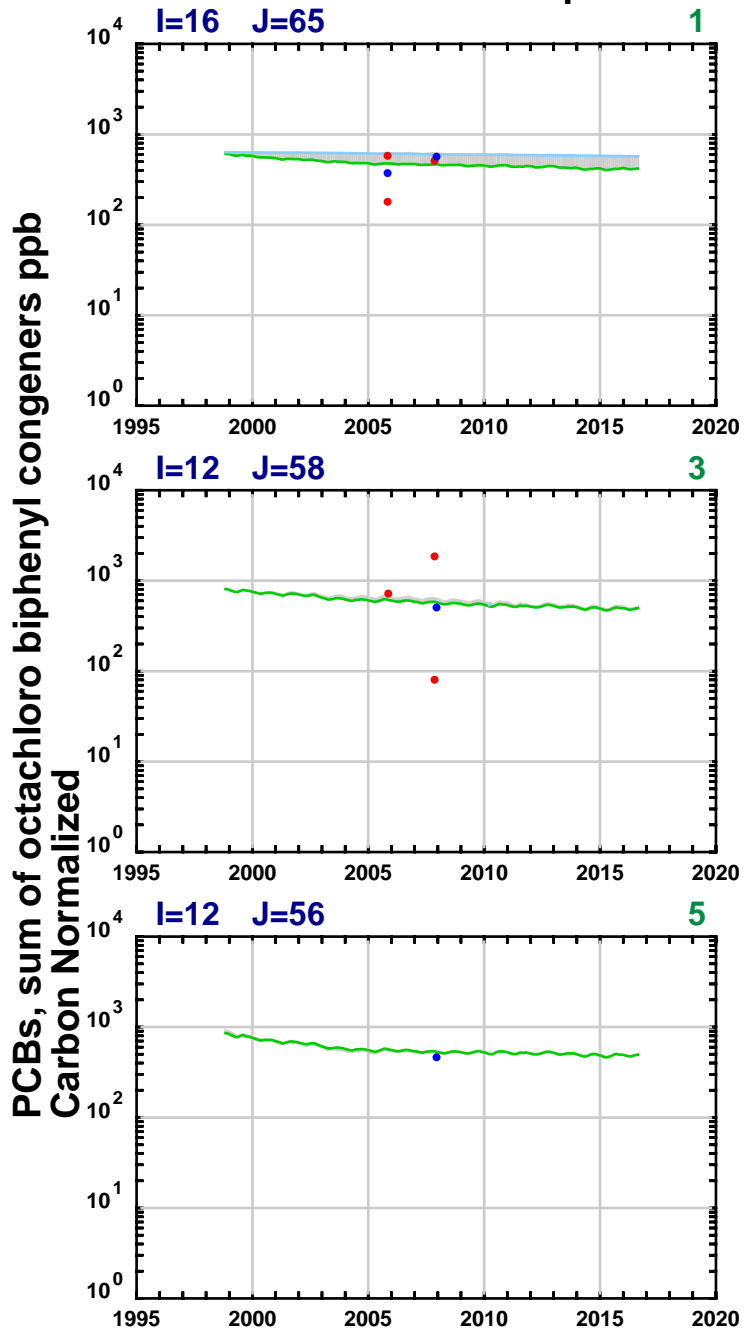
RUN18

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

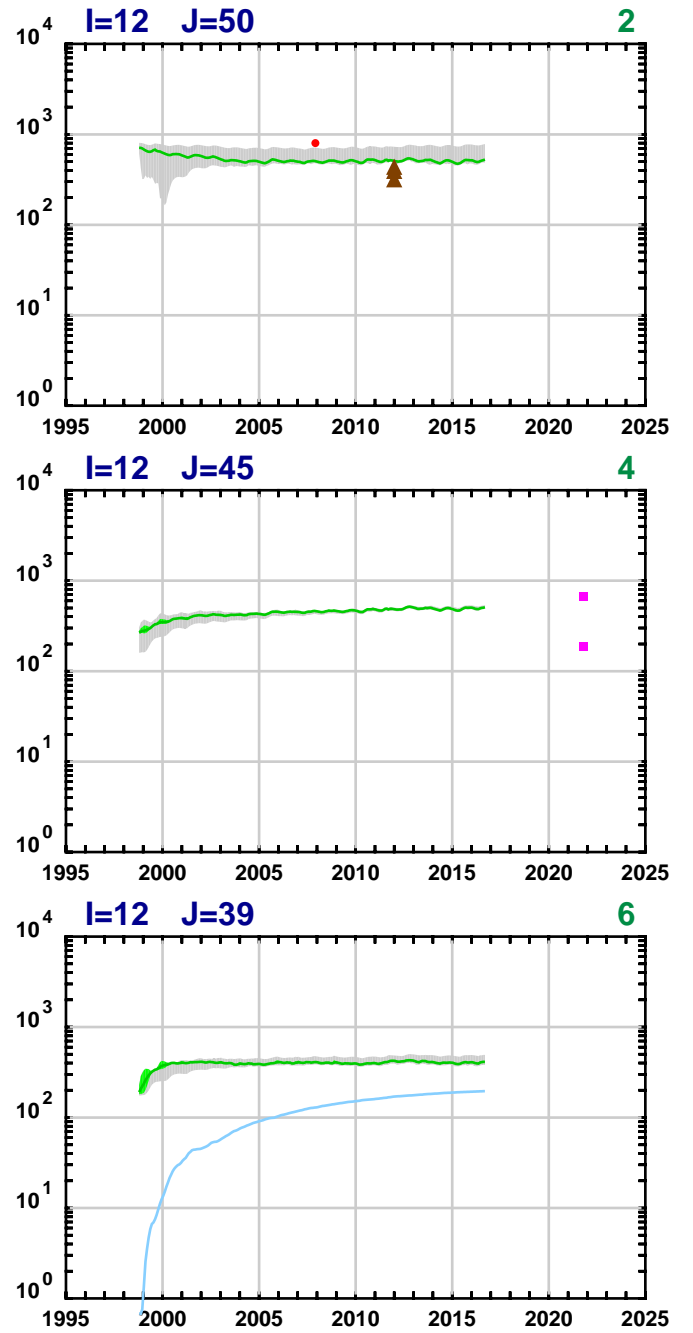
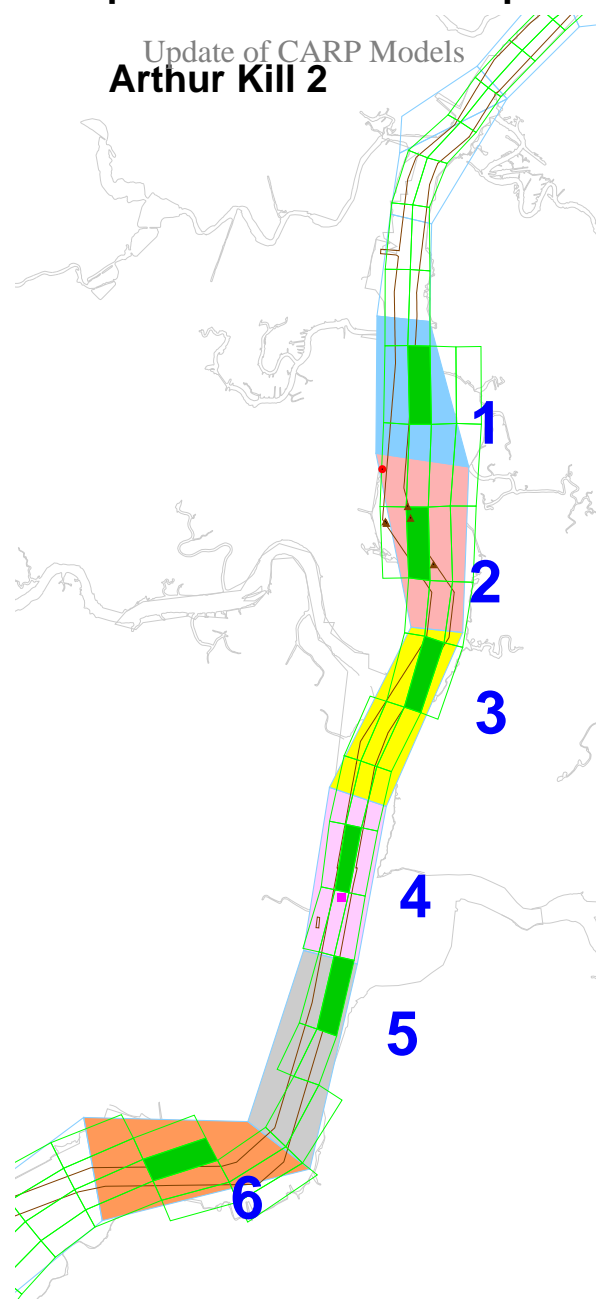
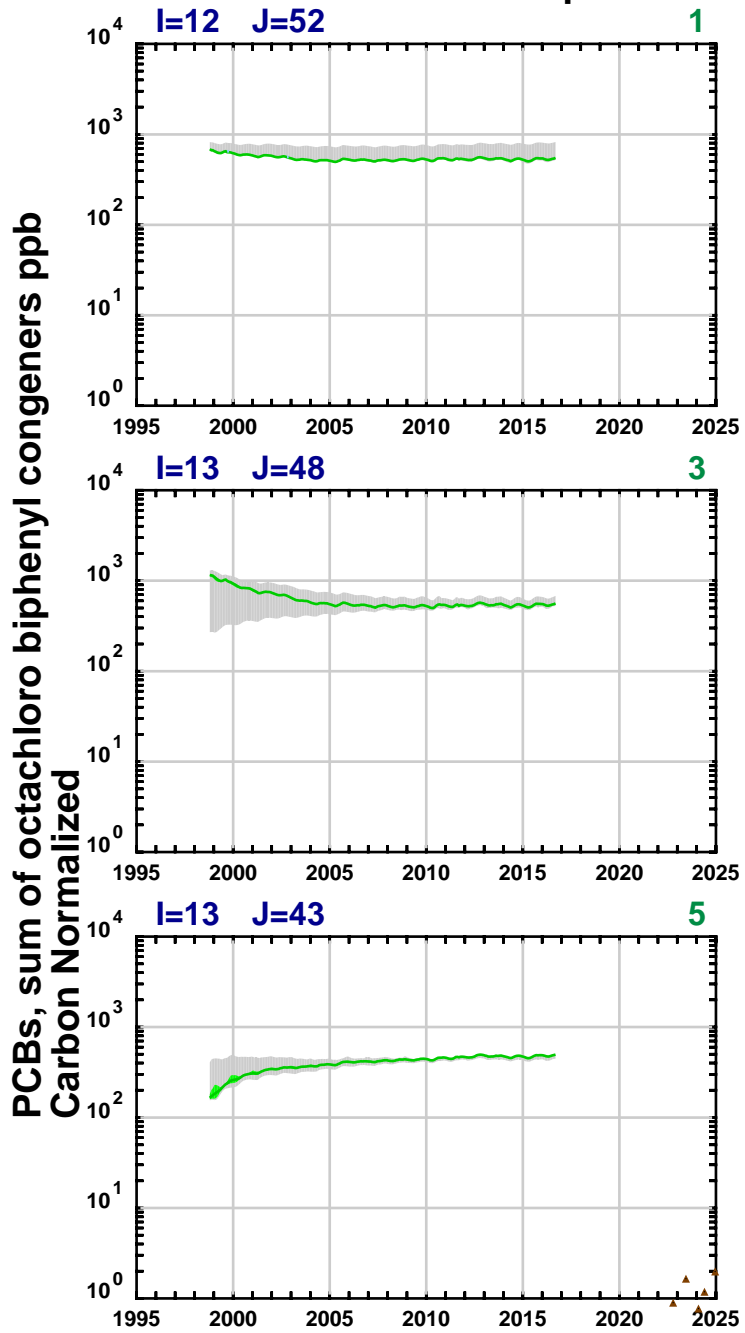


RUN18

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

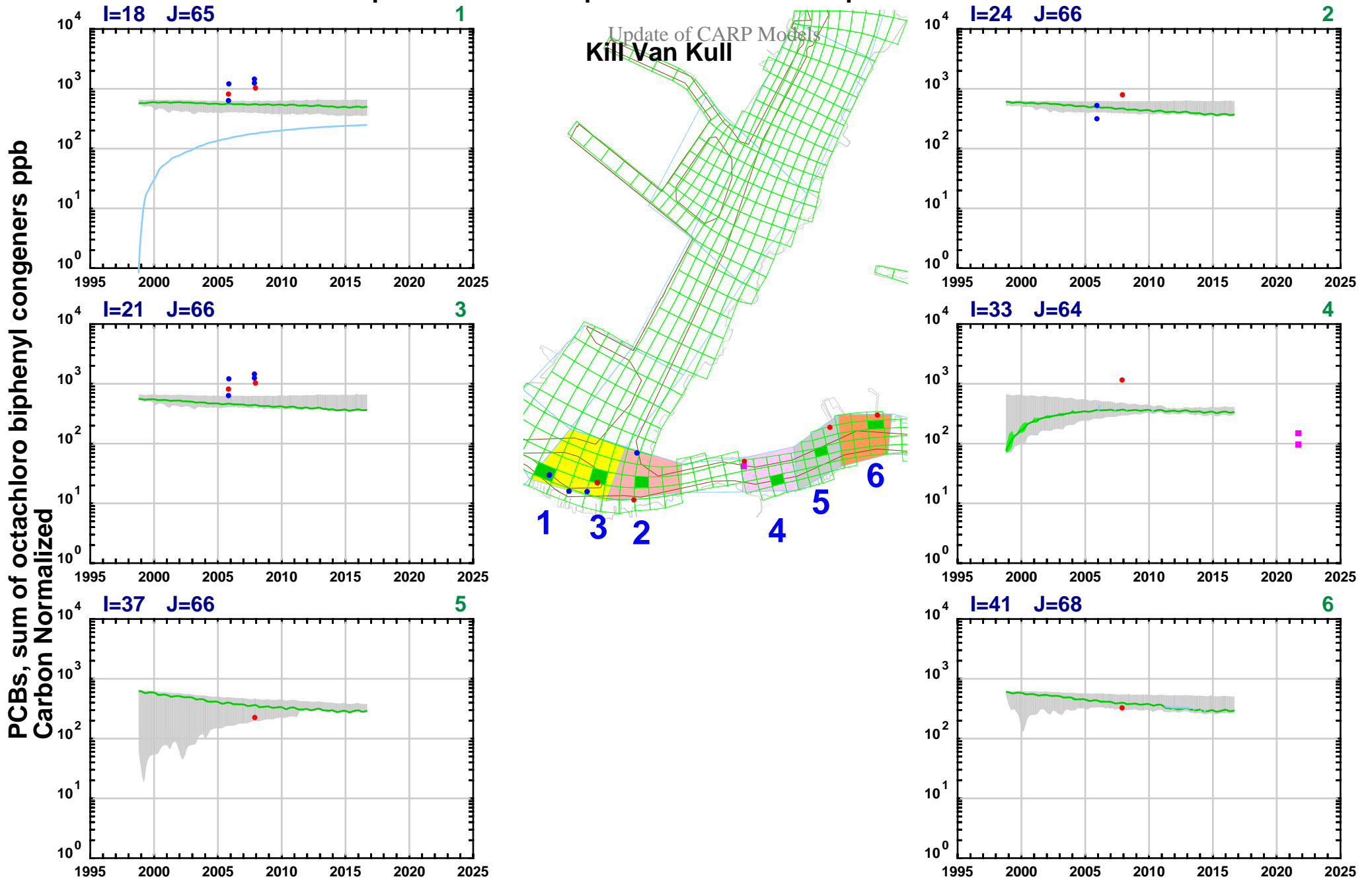


RUN18

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

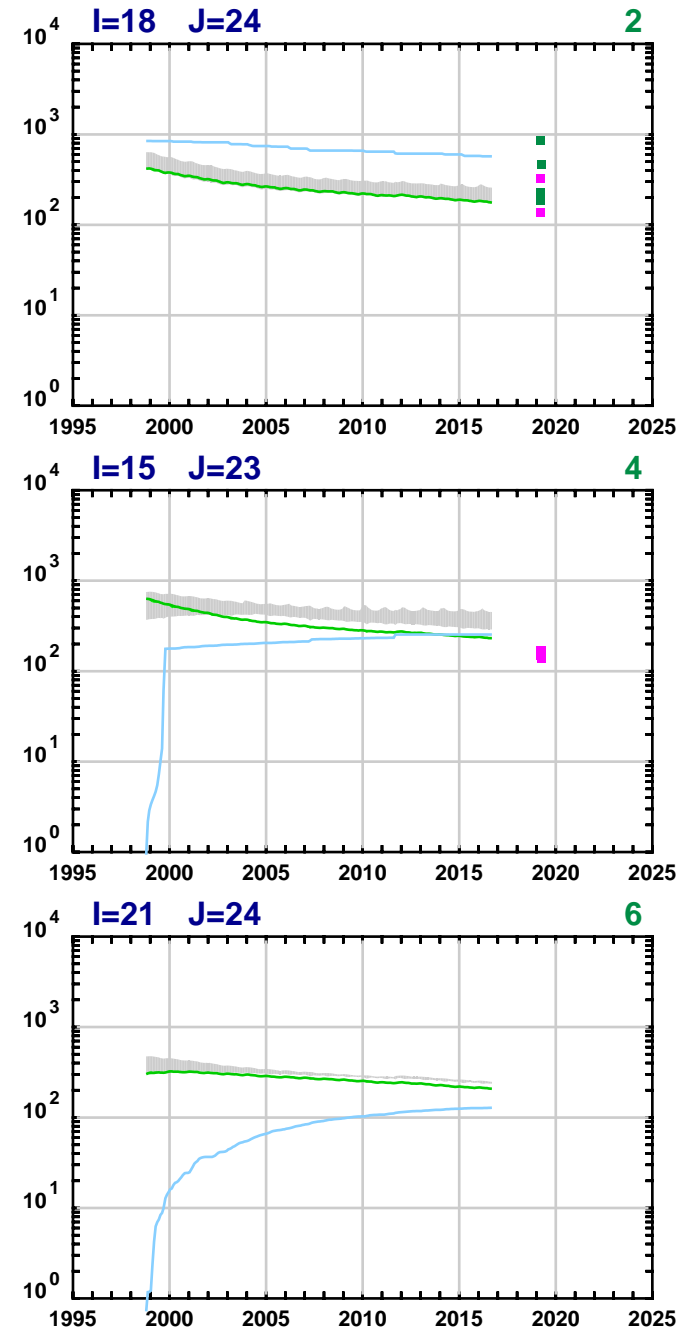
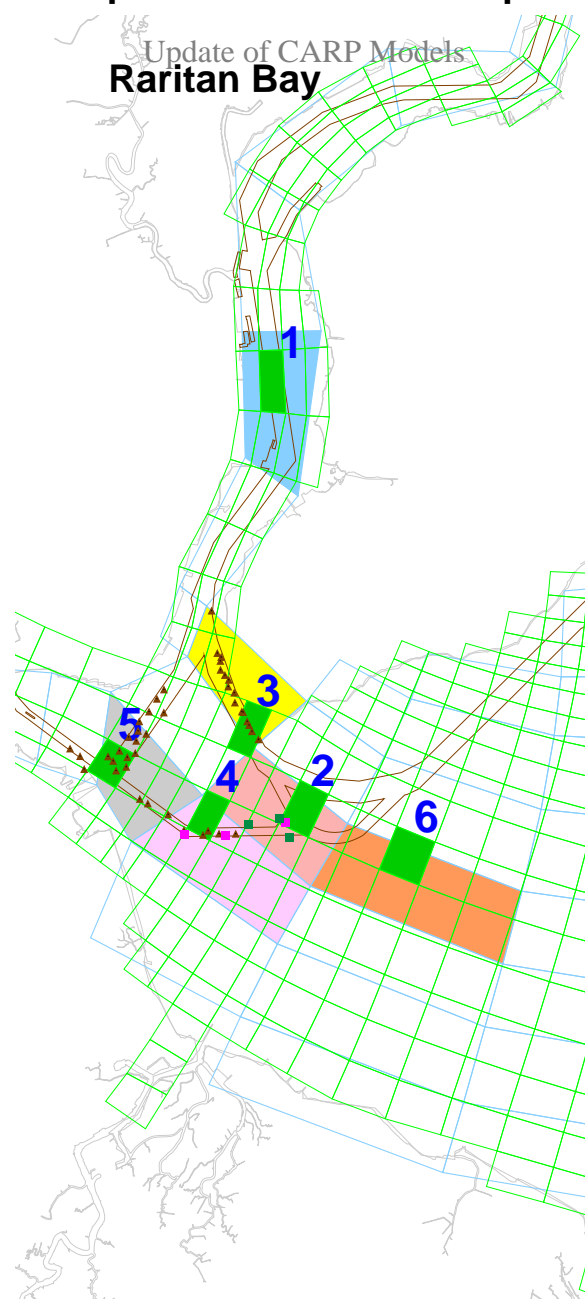
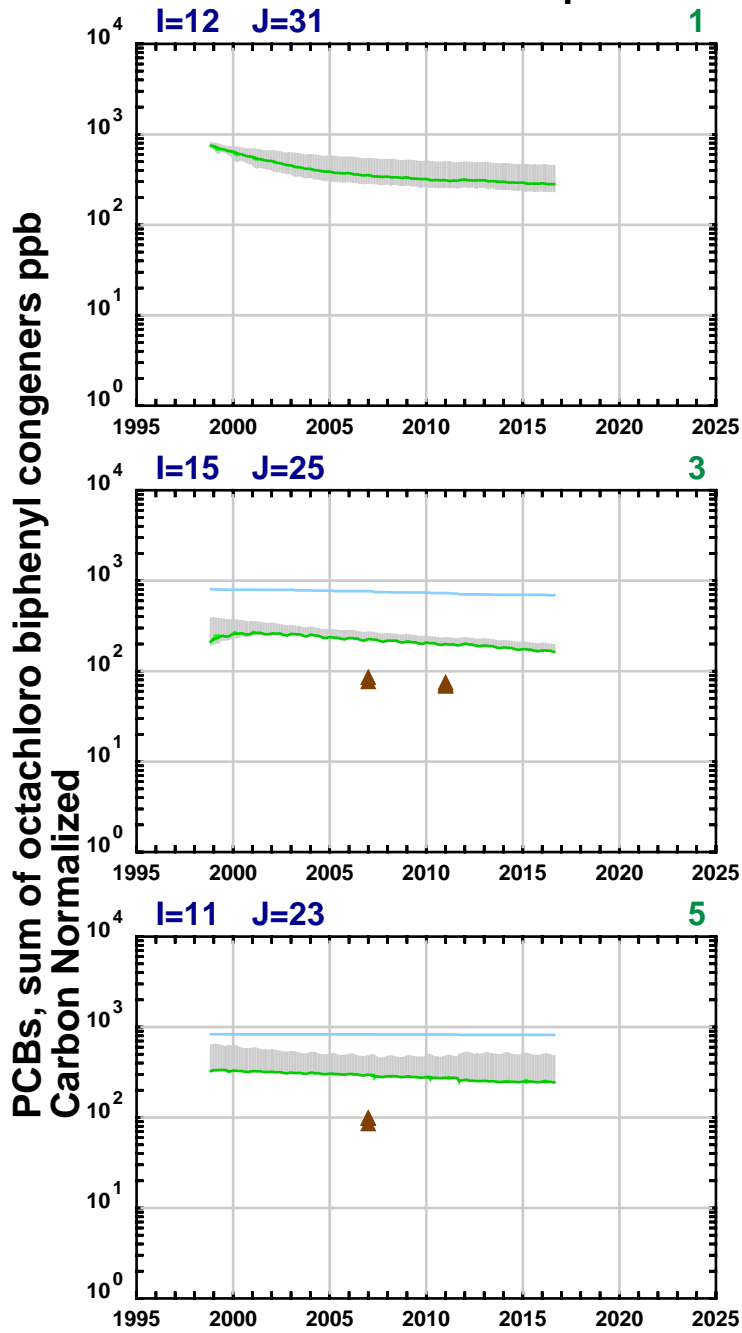


RUN18

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

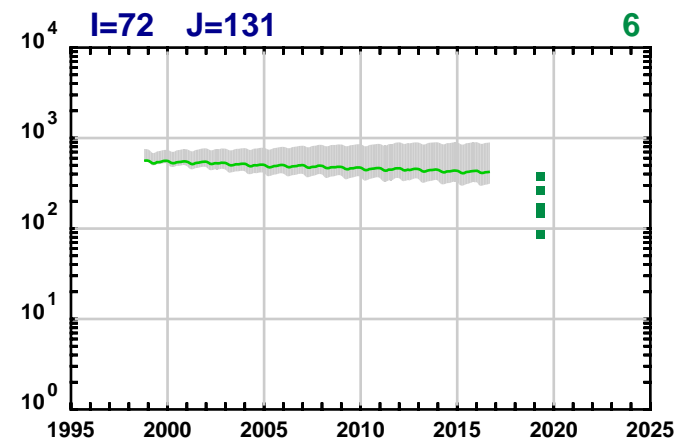
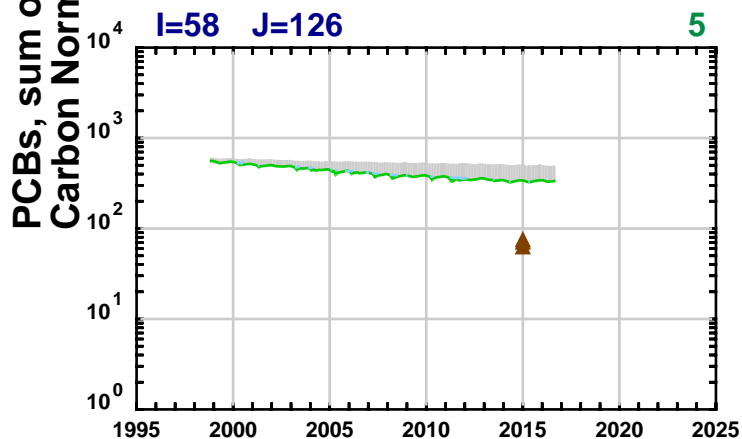
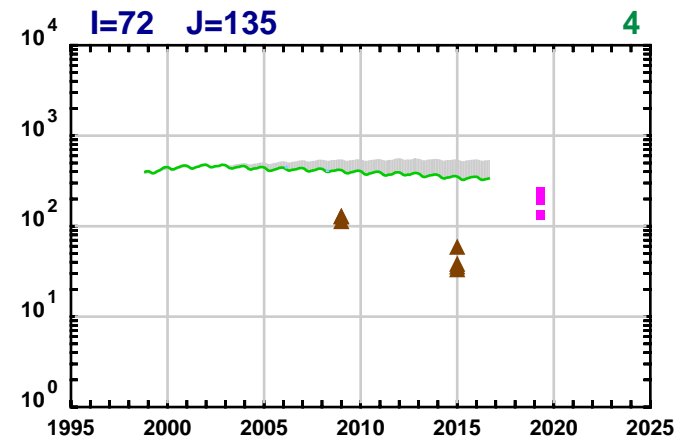
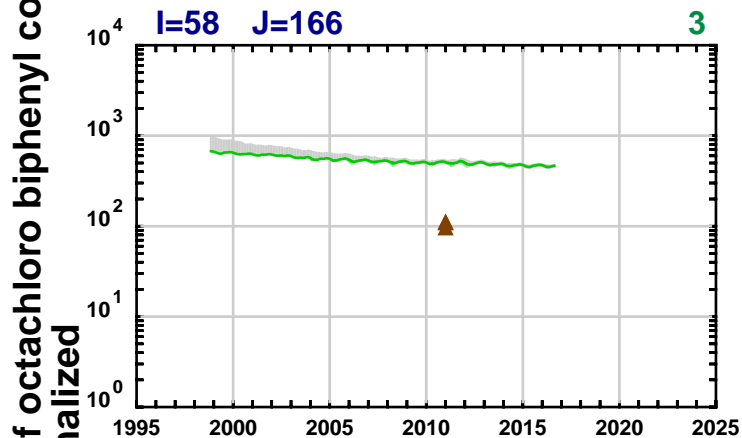
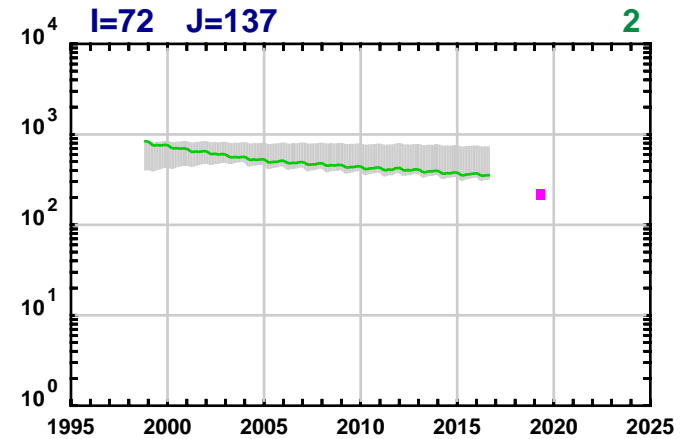
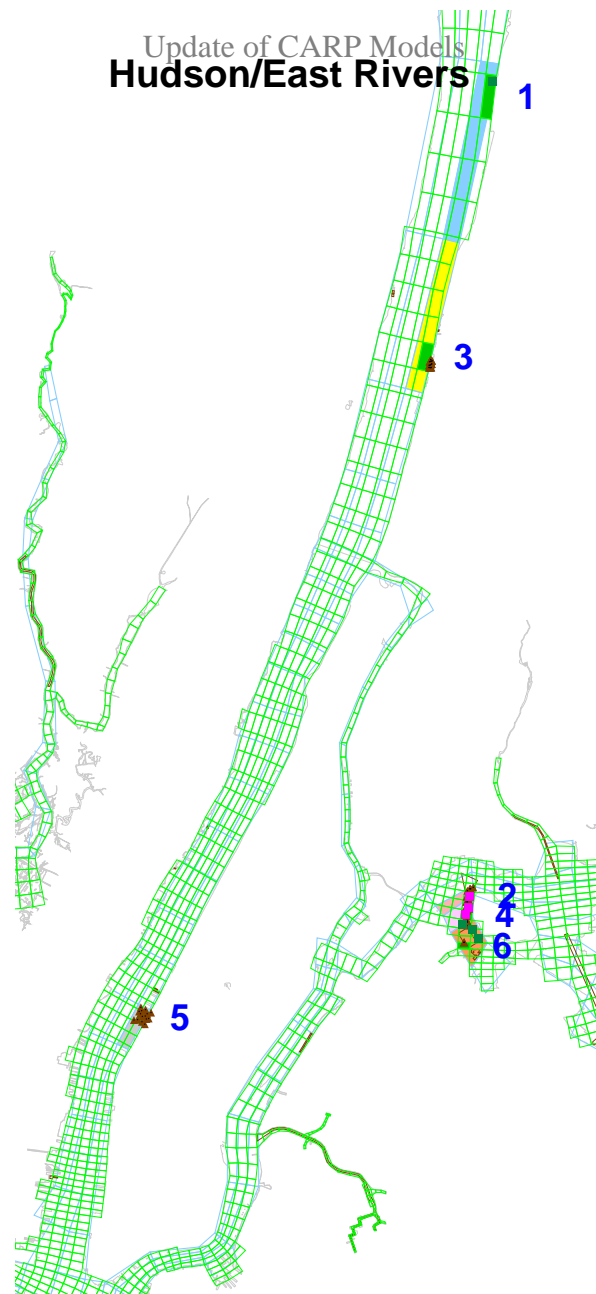
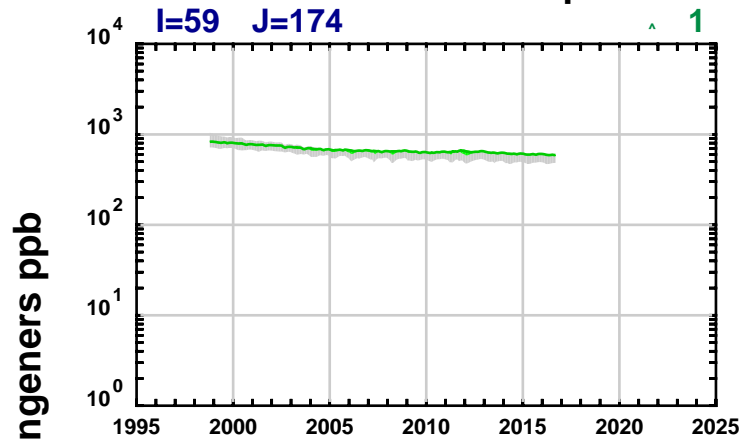


RUN18

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

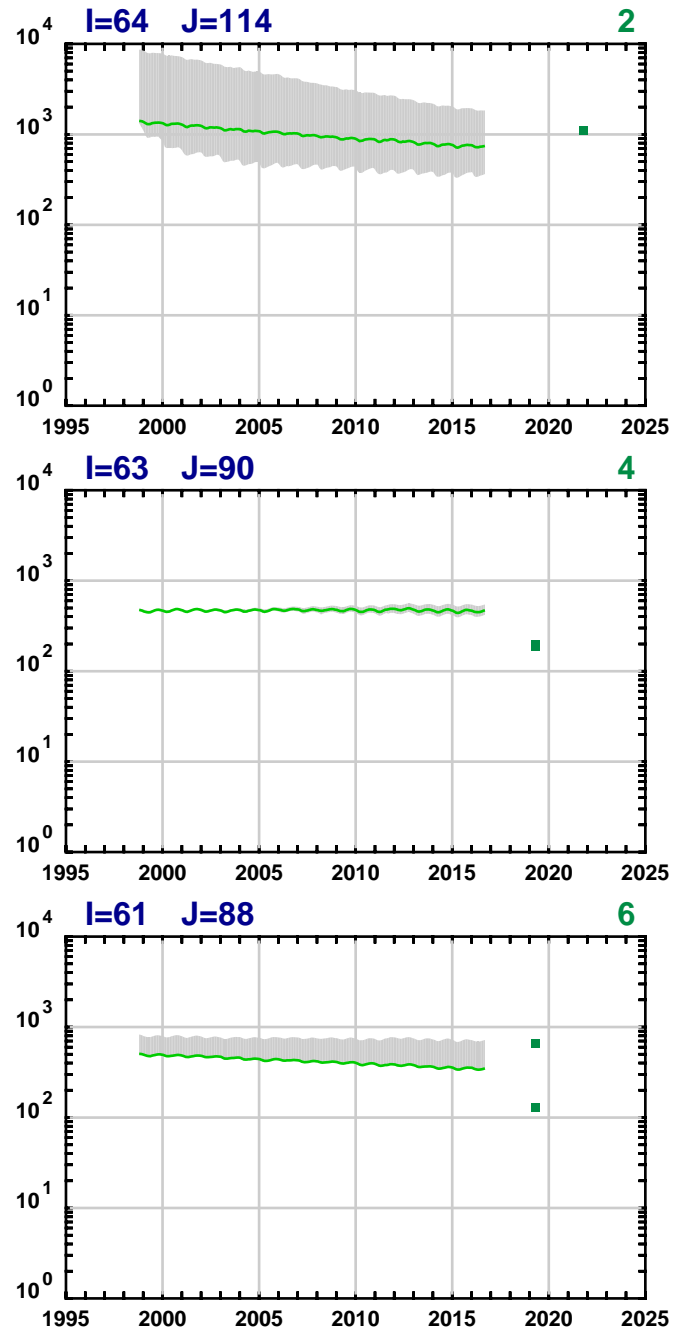
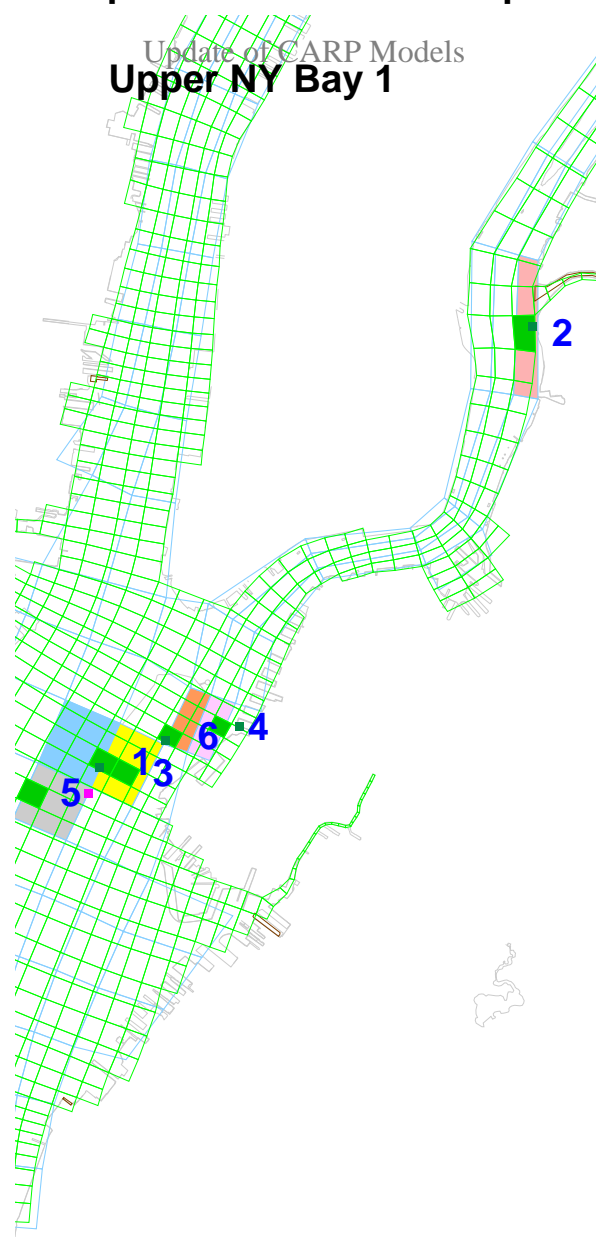
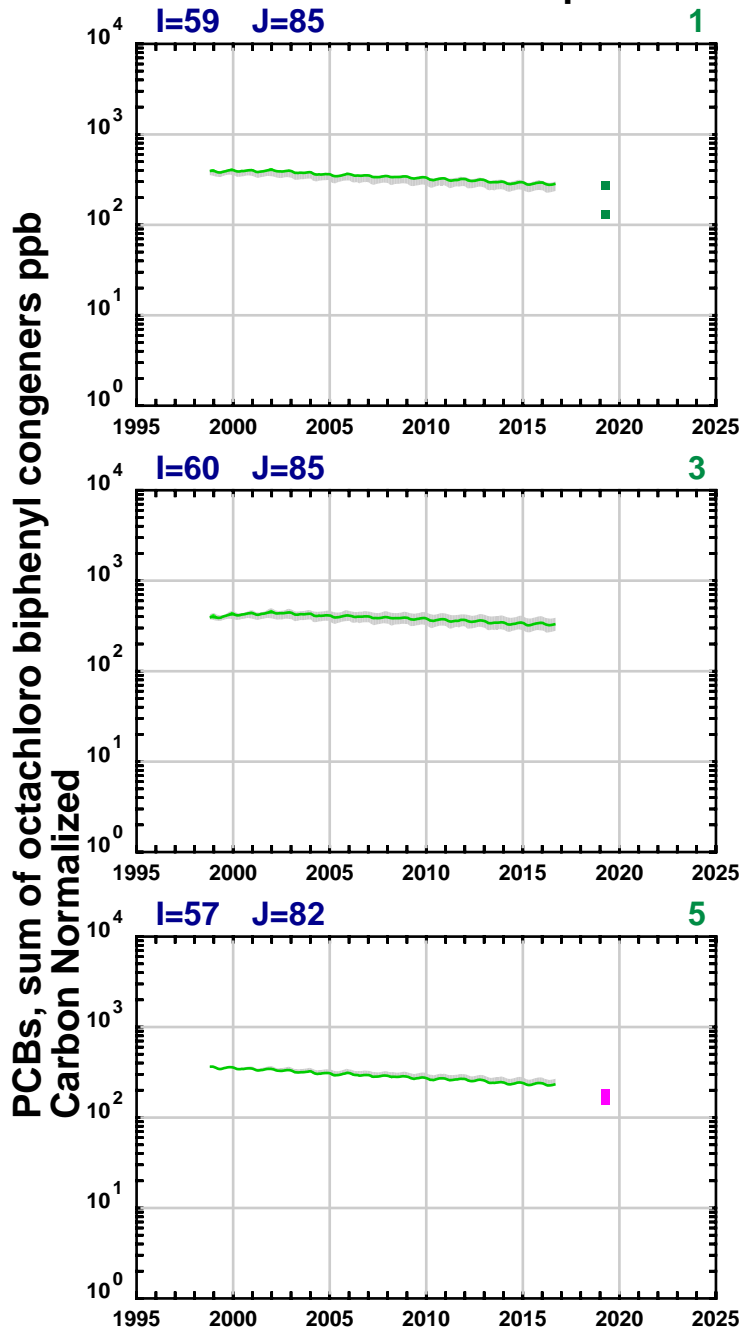


RUN18

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

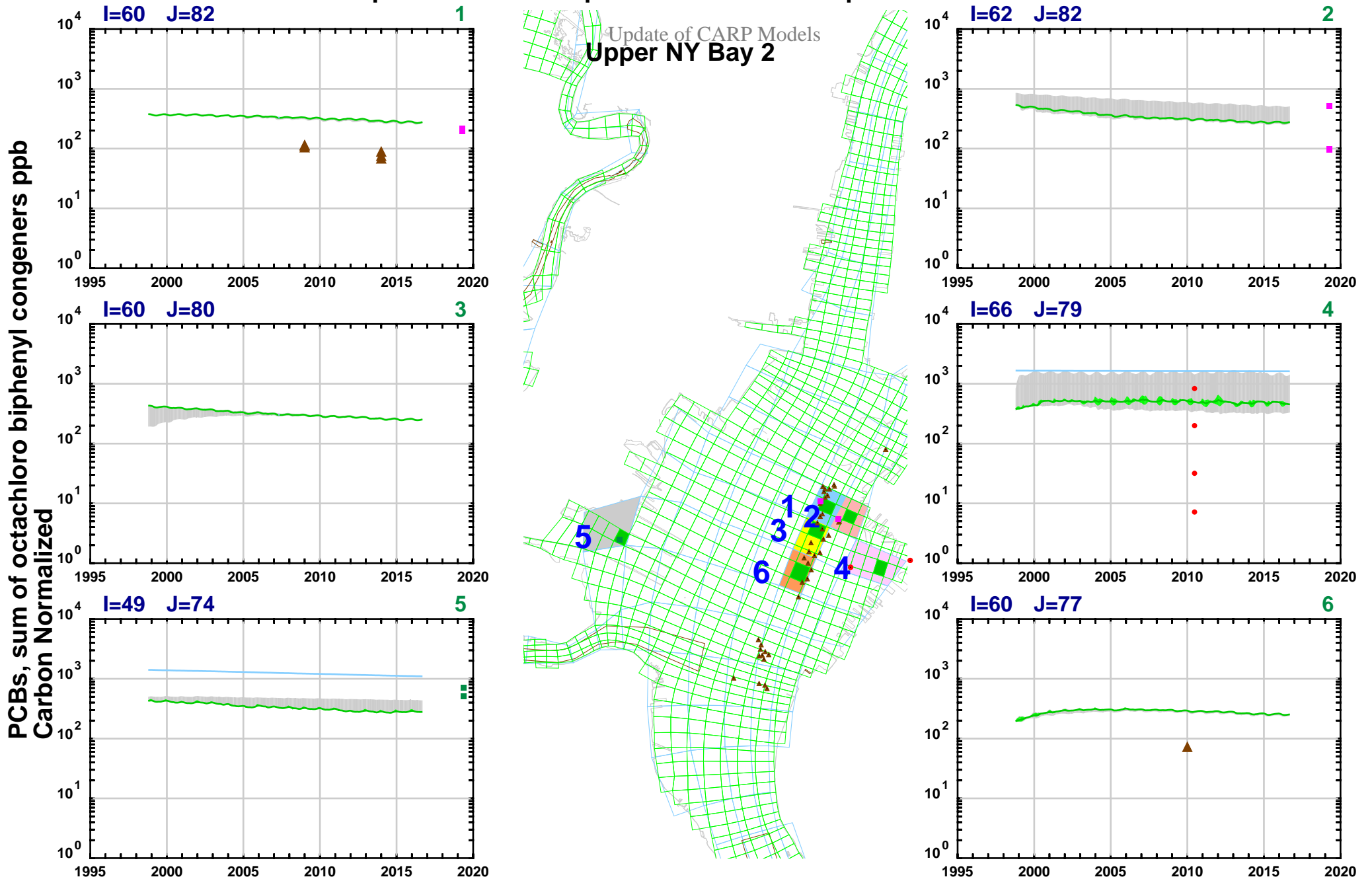


RUN18

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

● 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

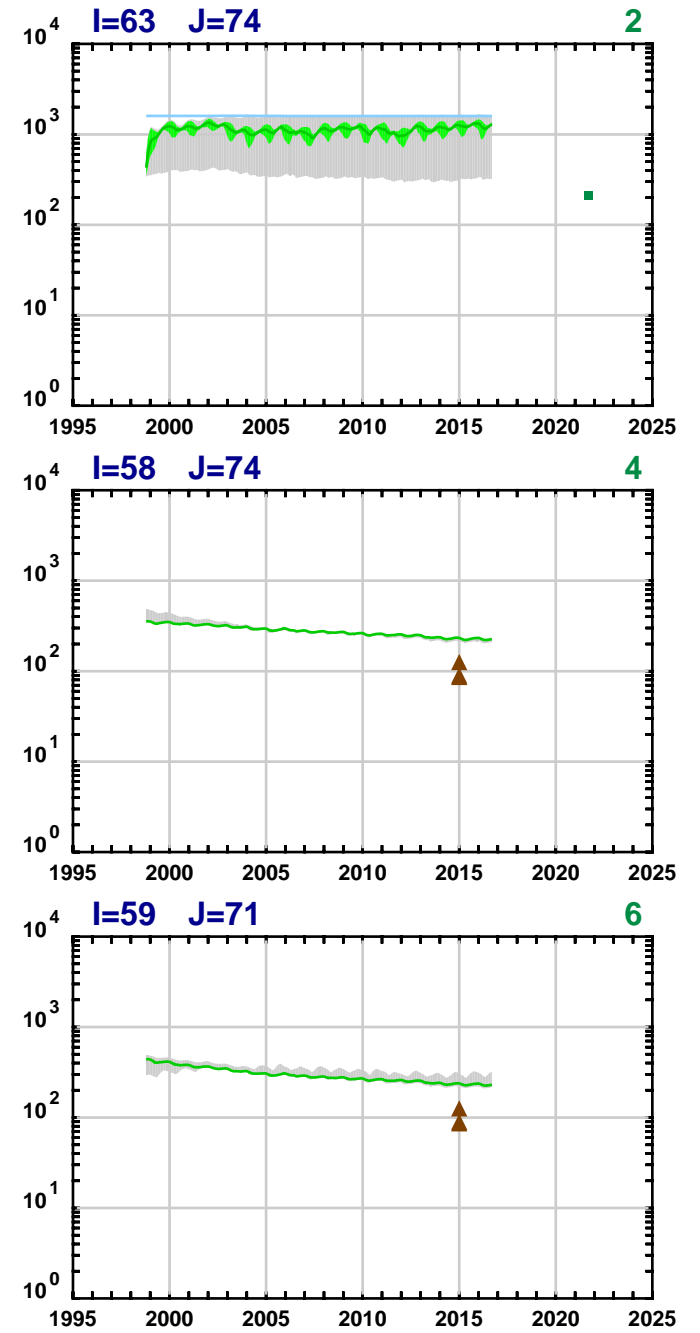
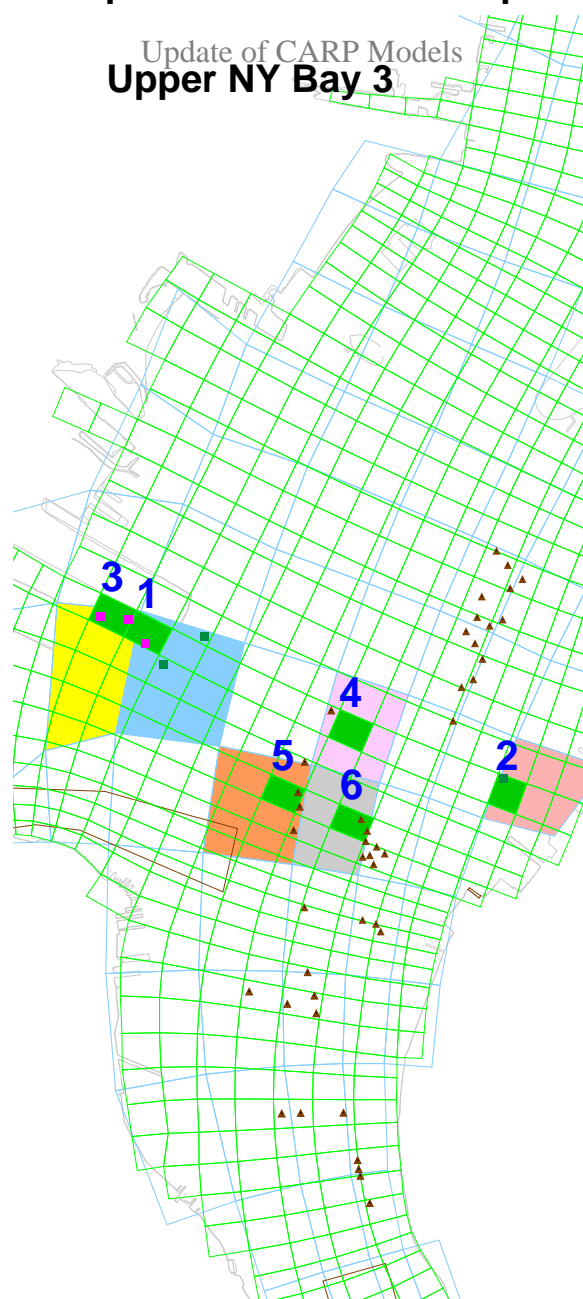
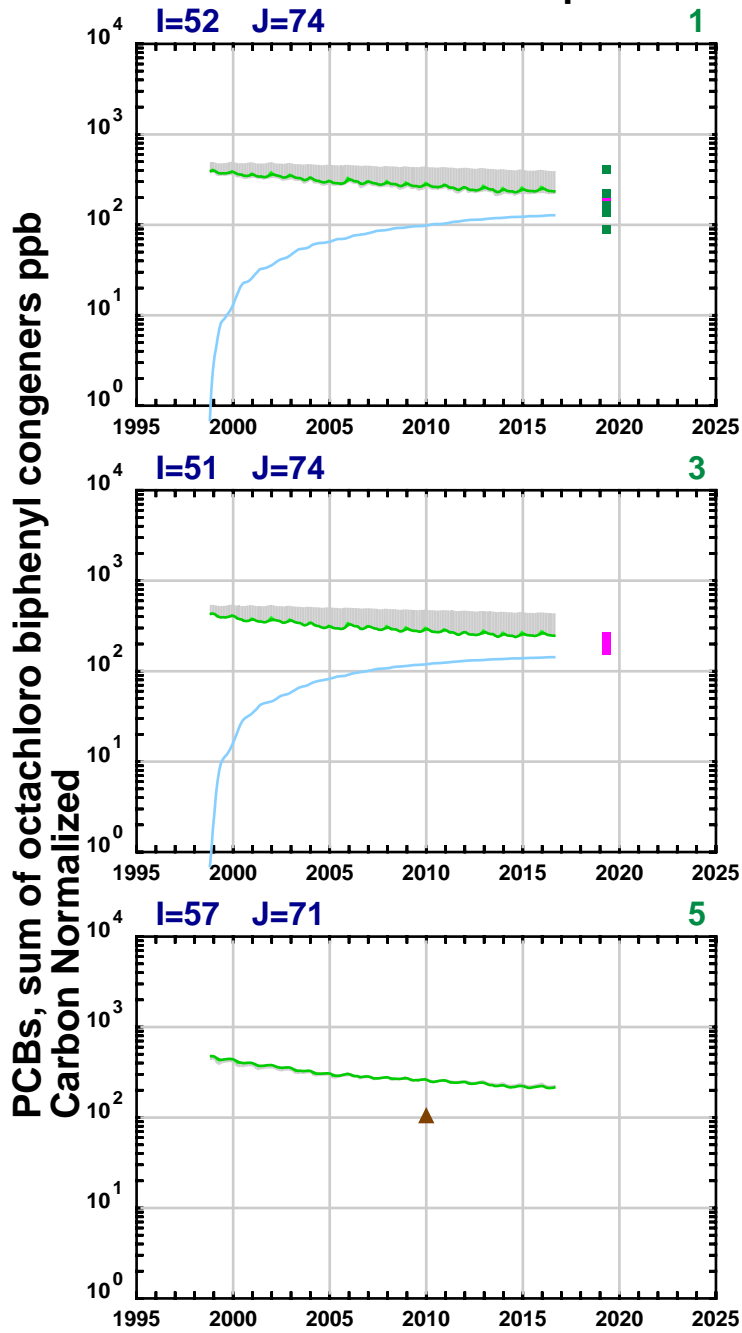


RUN18

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

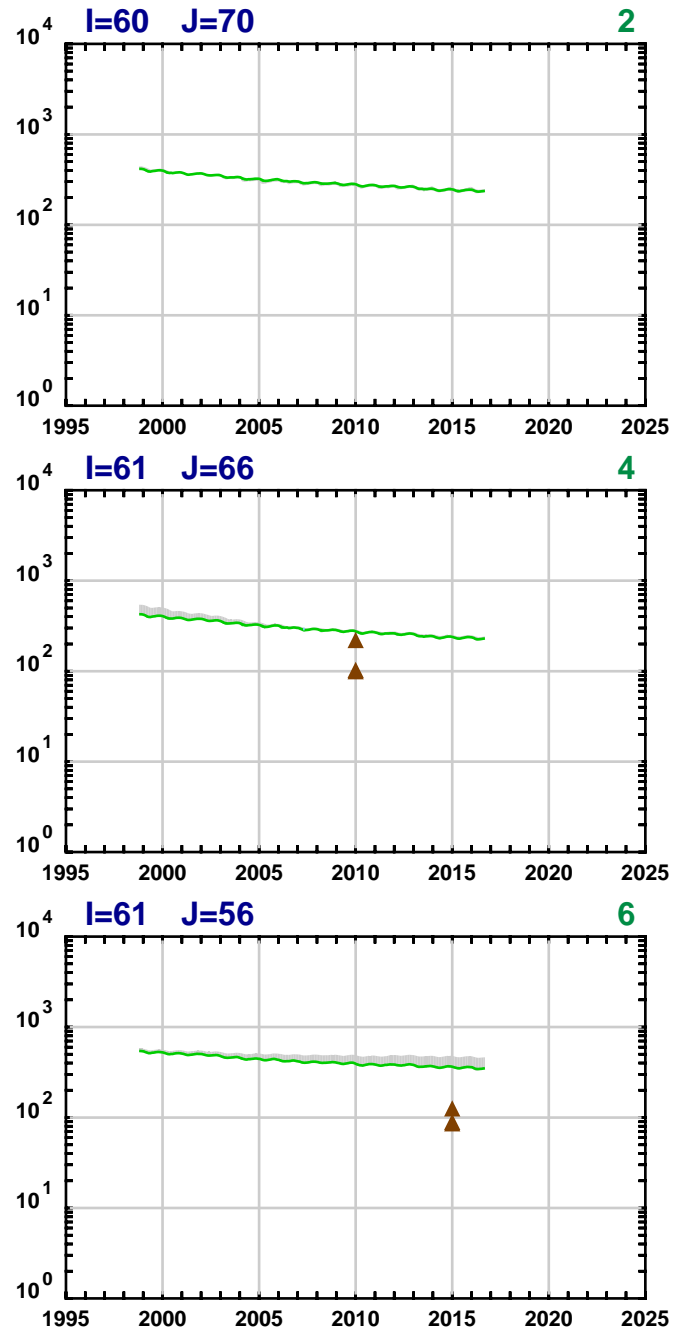
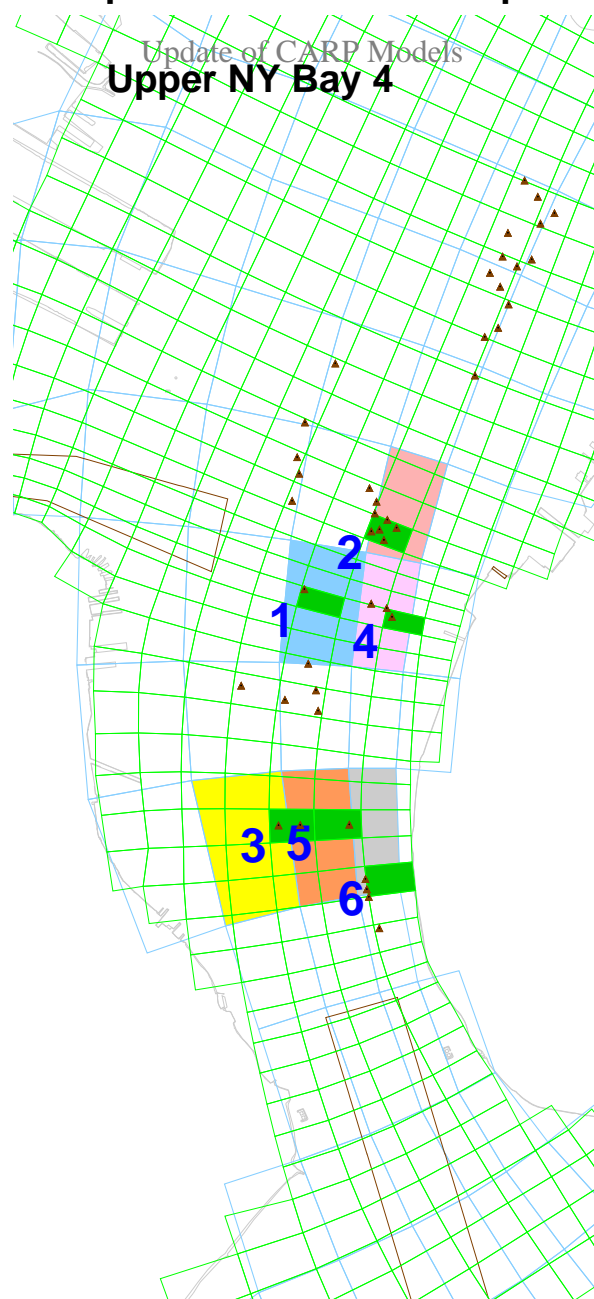
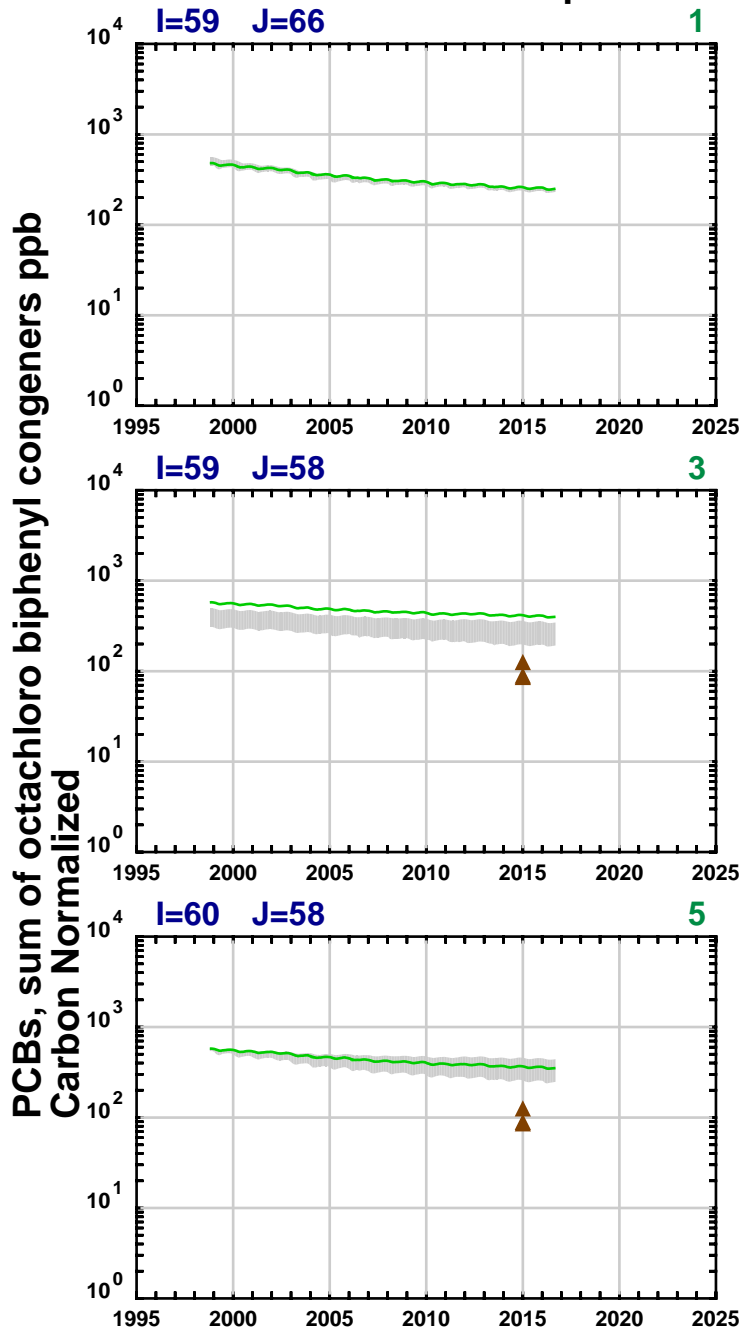


RUN18

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

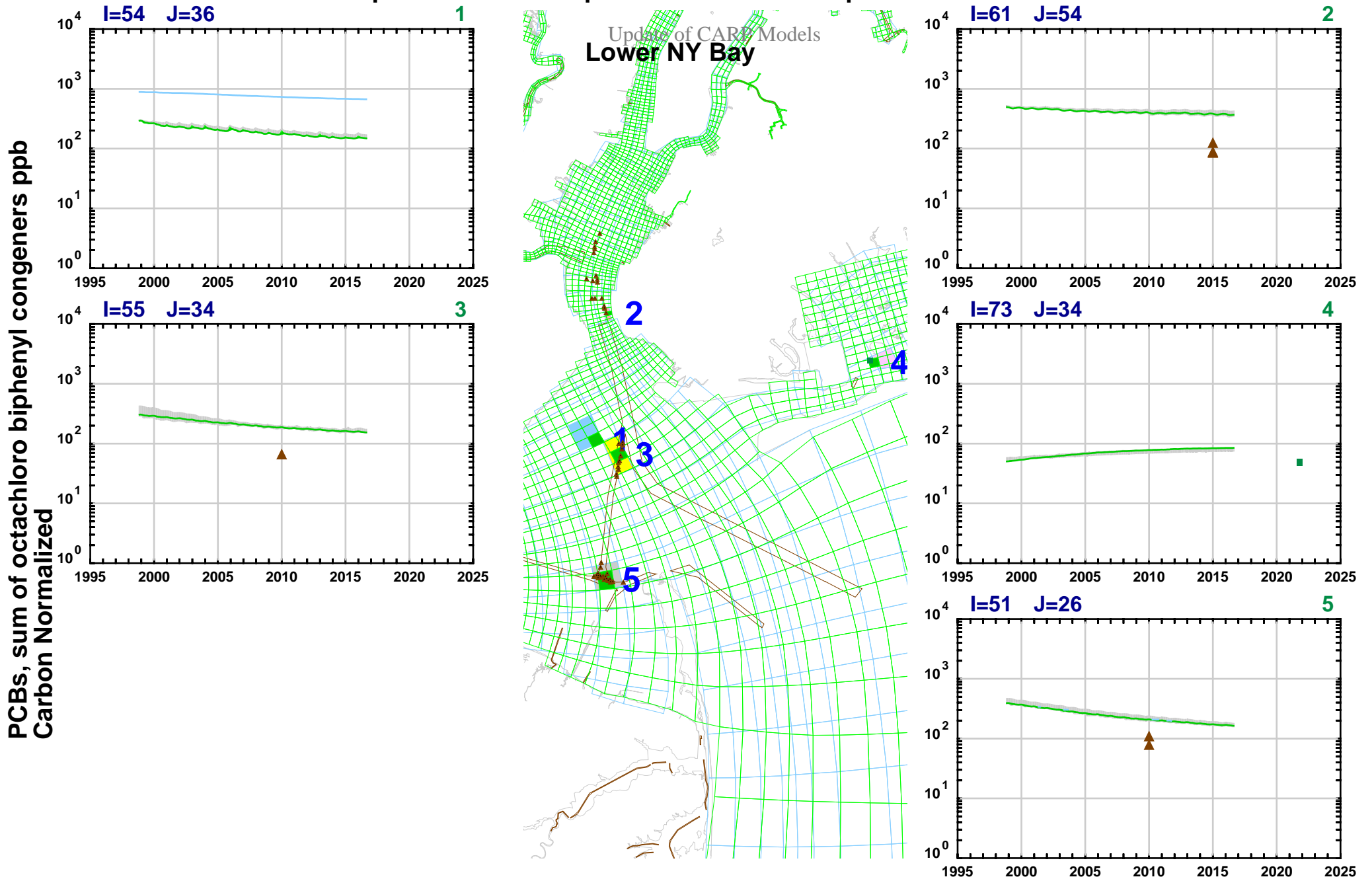


RUN18

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



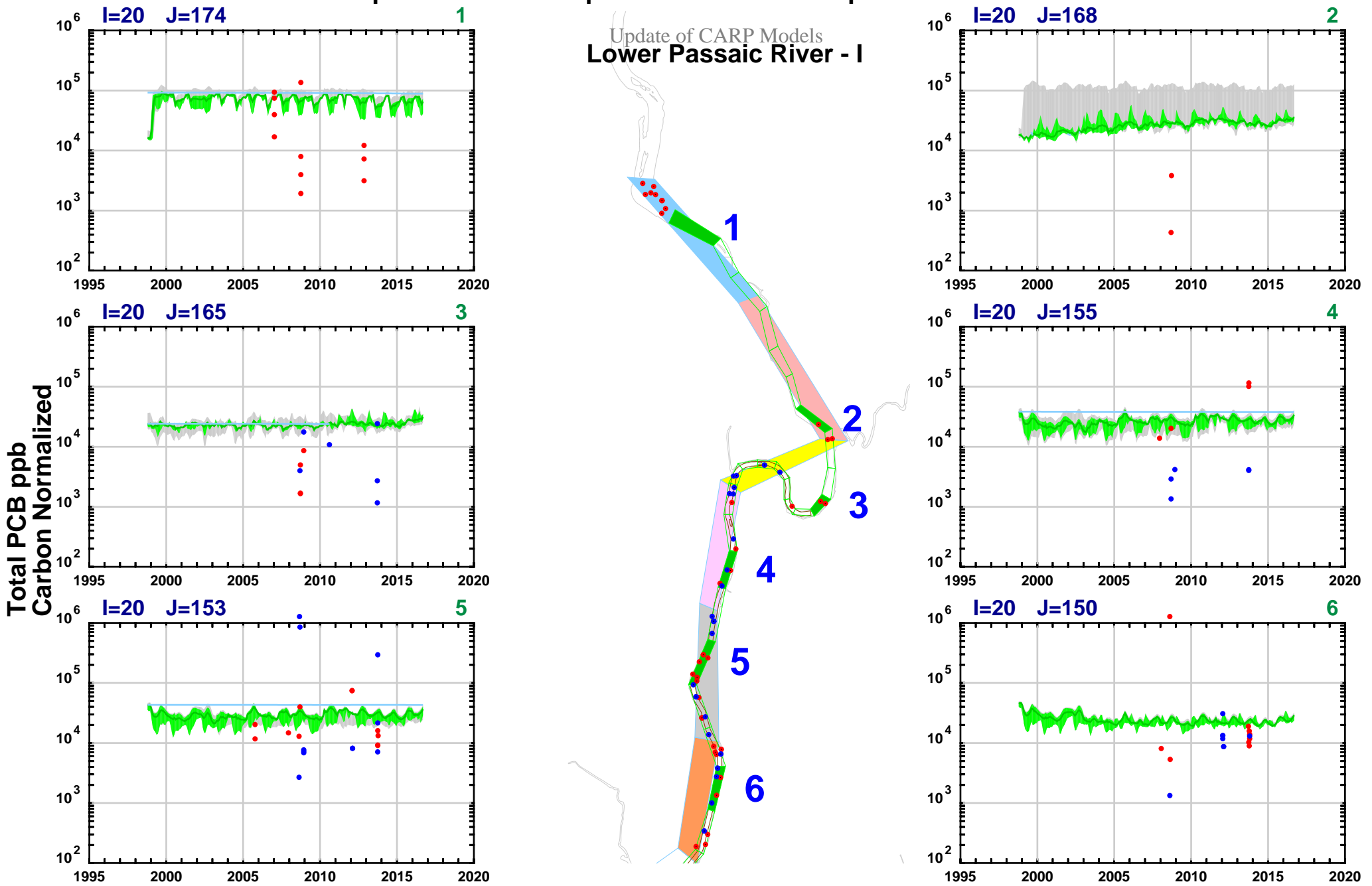
RUN18

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
■ CAPP2 In-channel ■ CAPP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

Update of CARP Models
Lower Passaic River - I

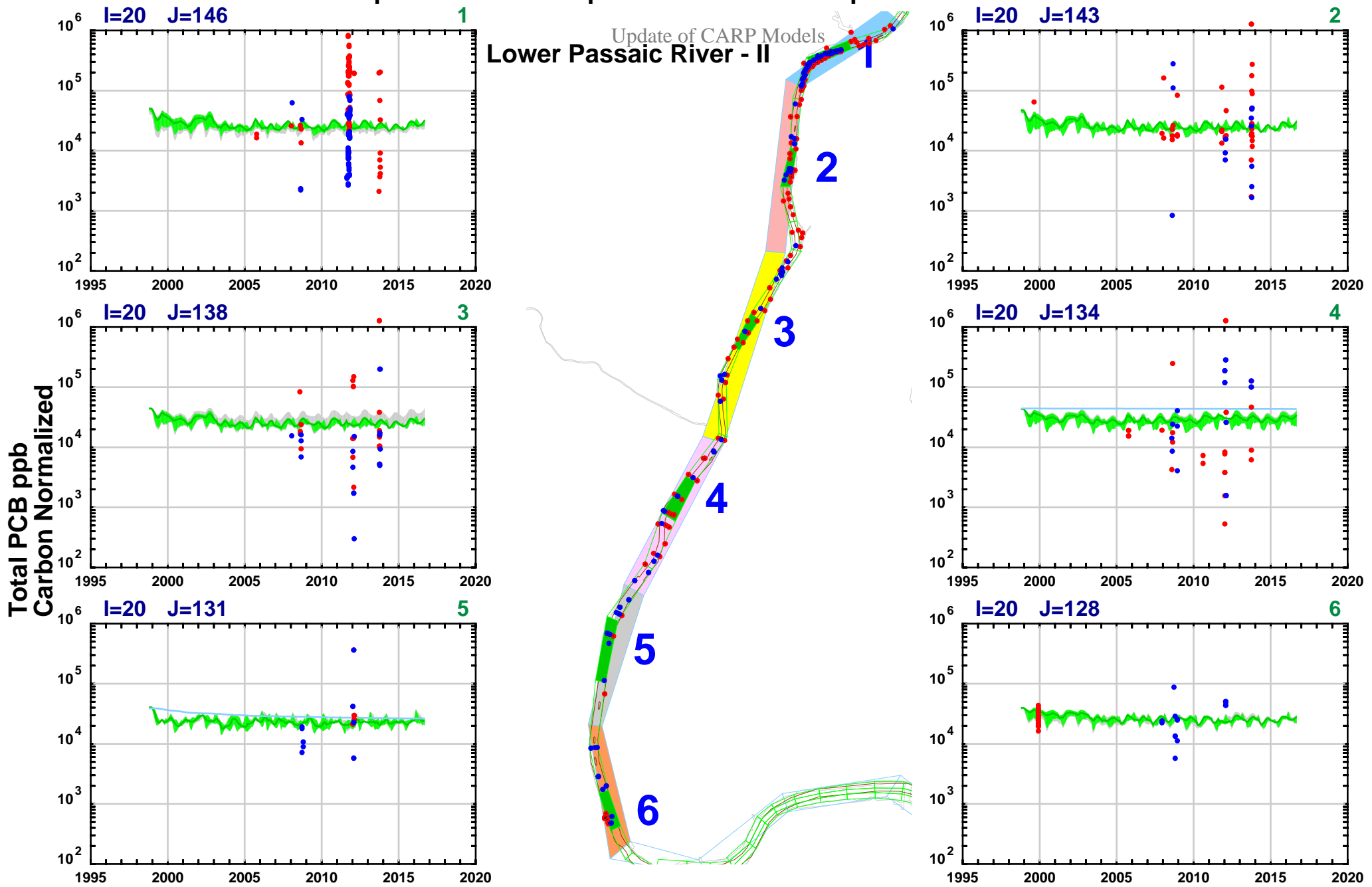


RUN18

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

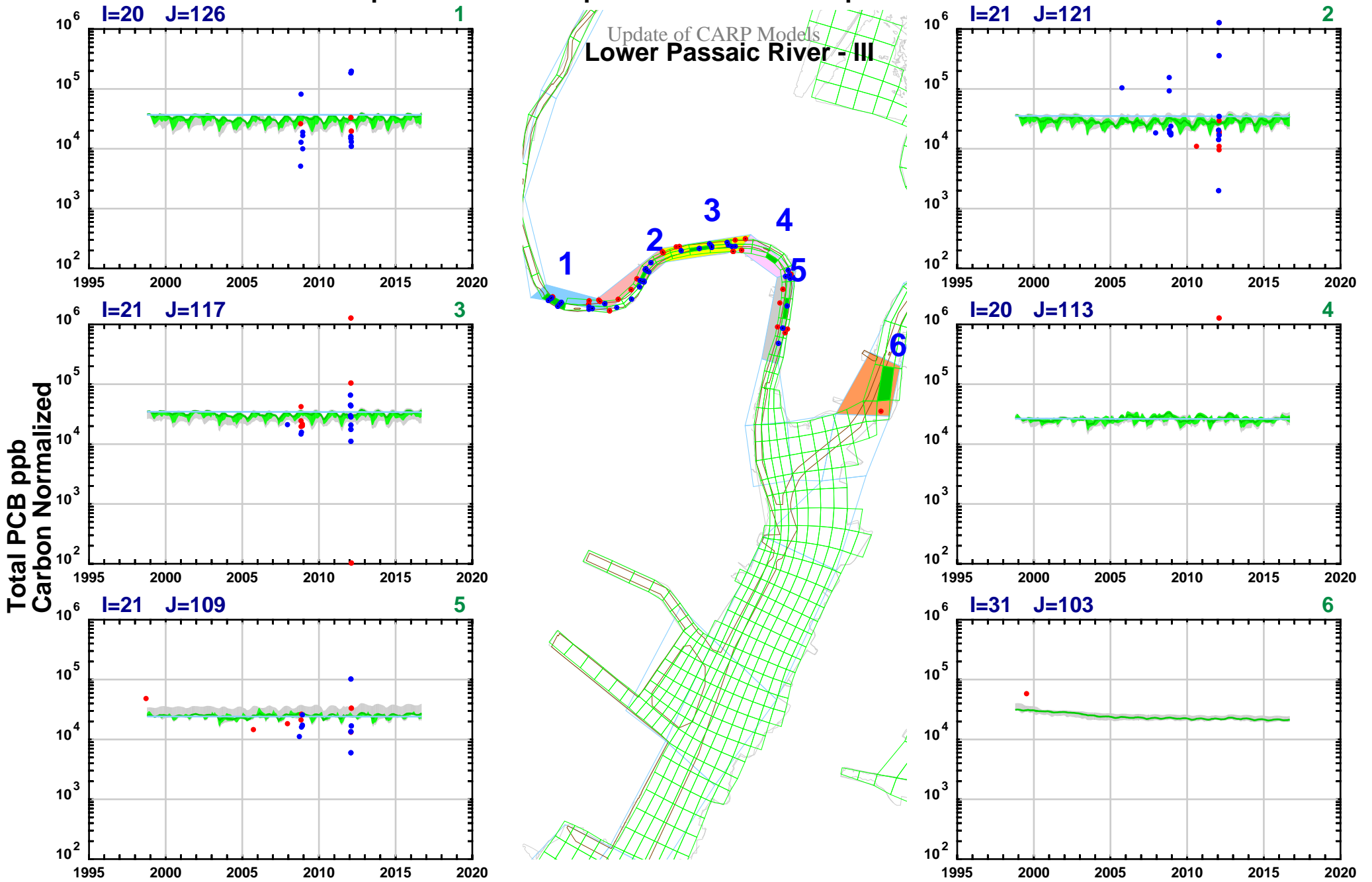


RUN18

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

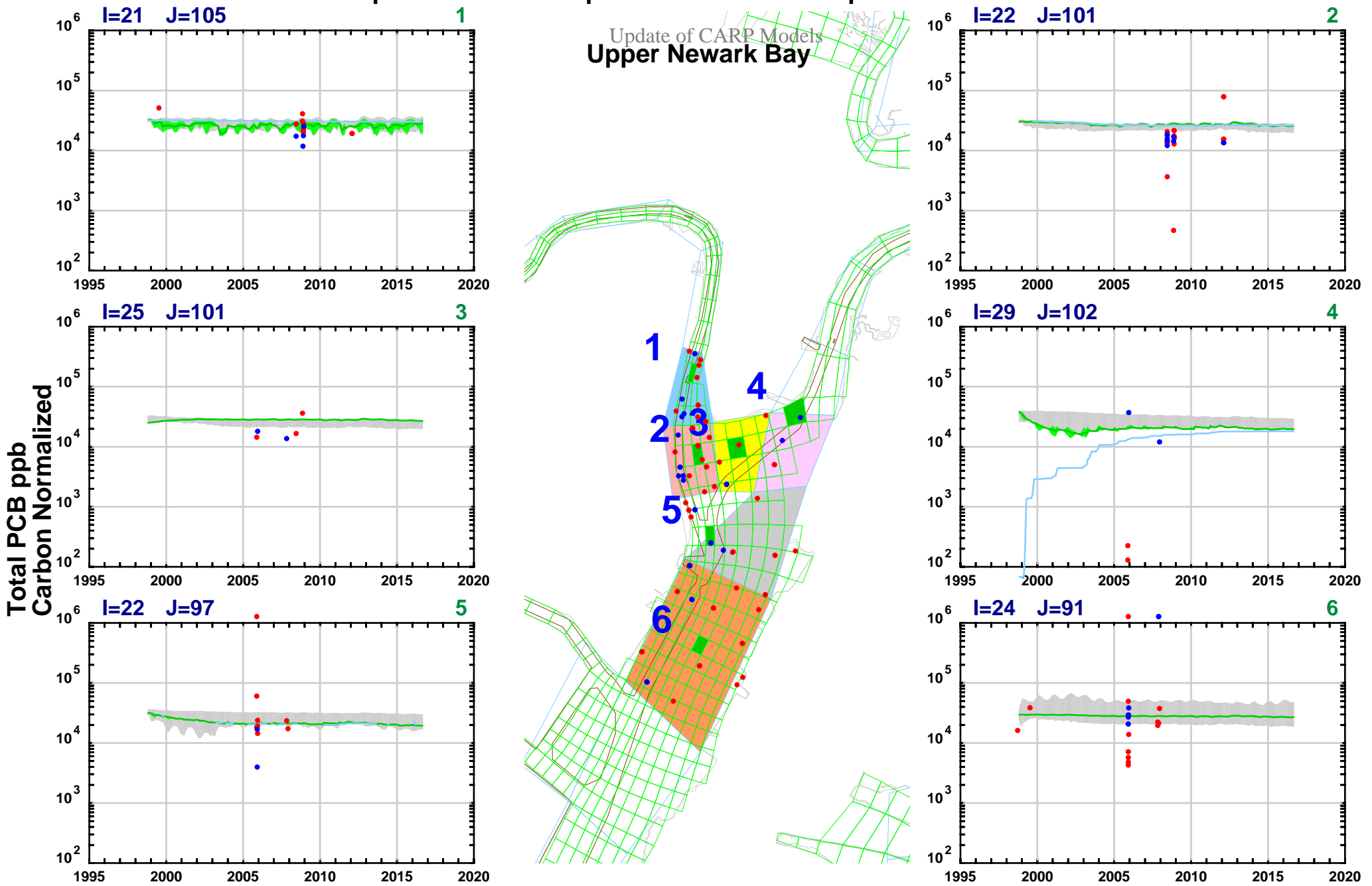


RUN18

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



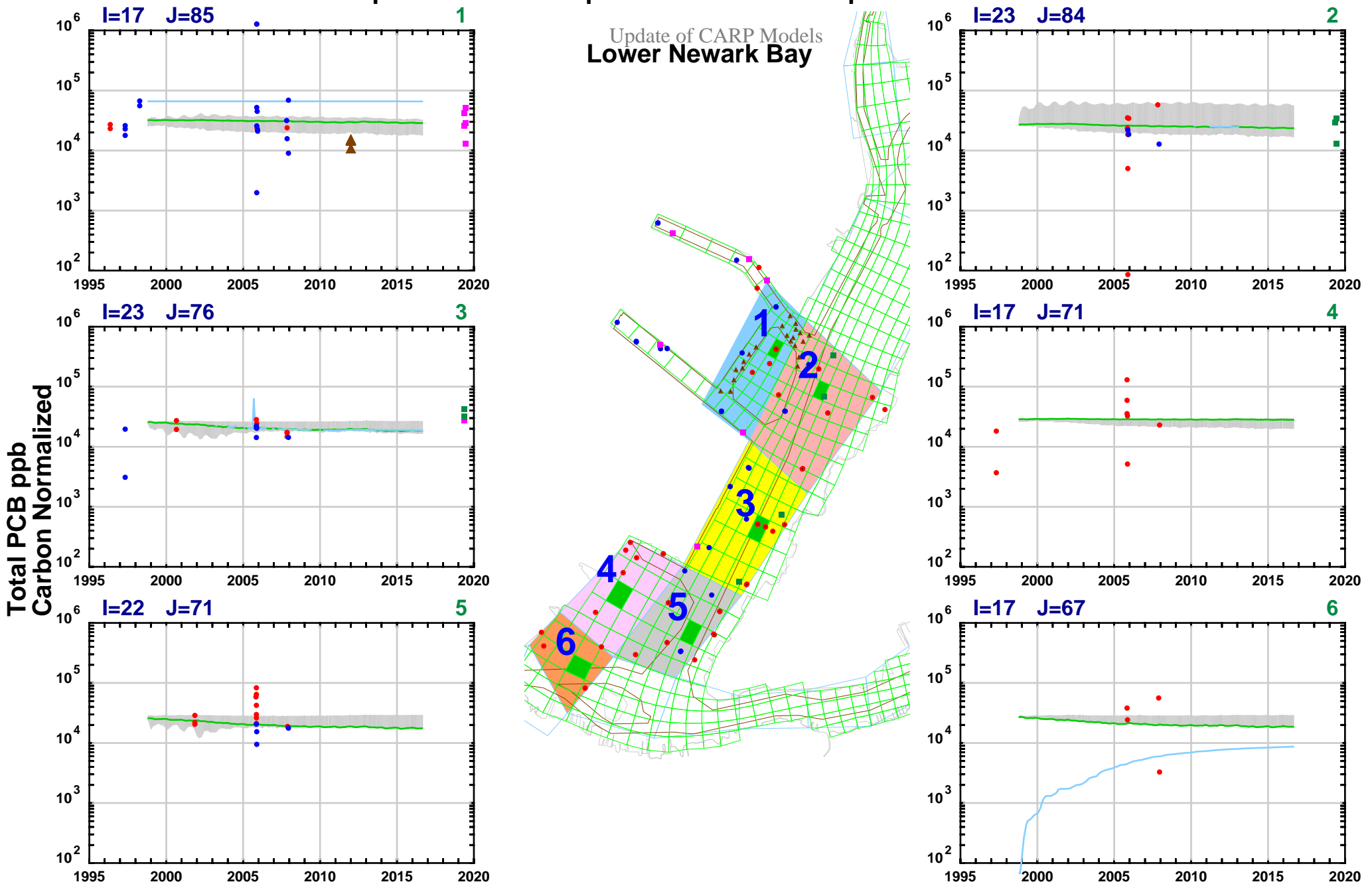
RUN18

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



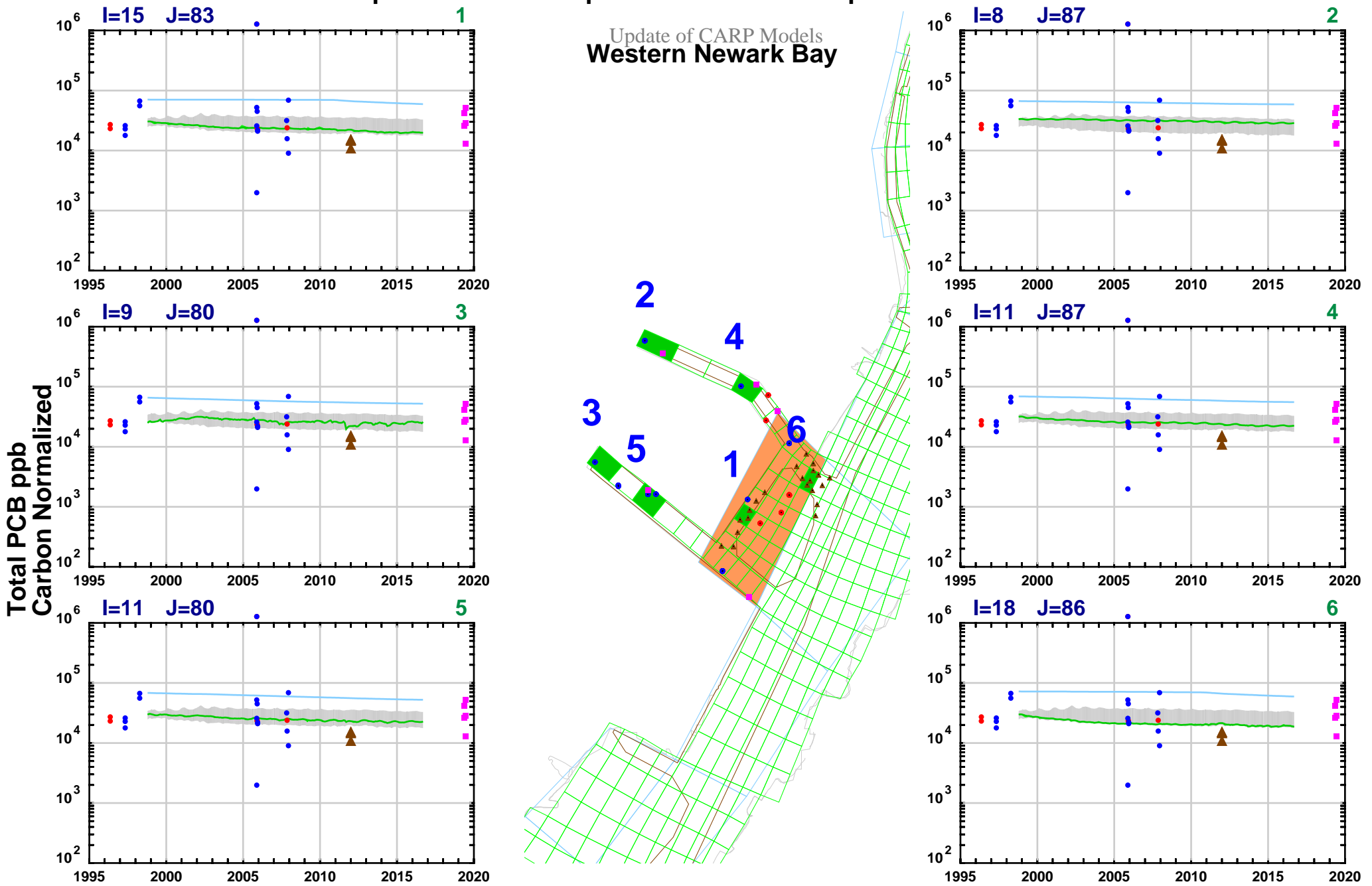
RUN18

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



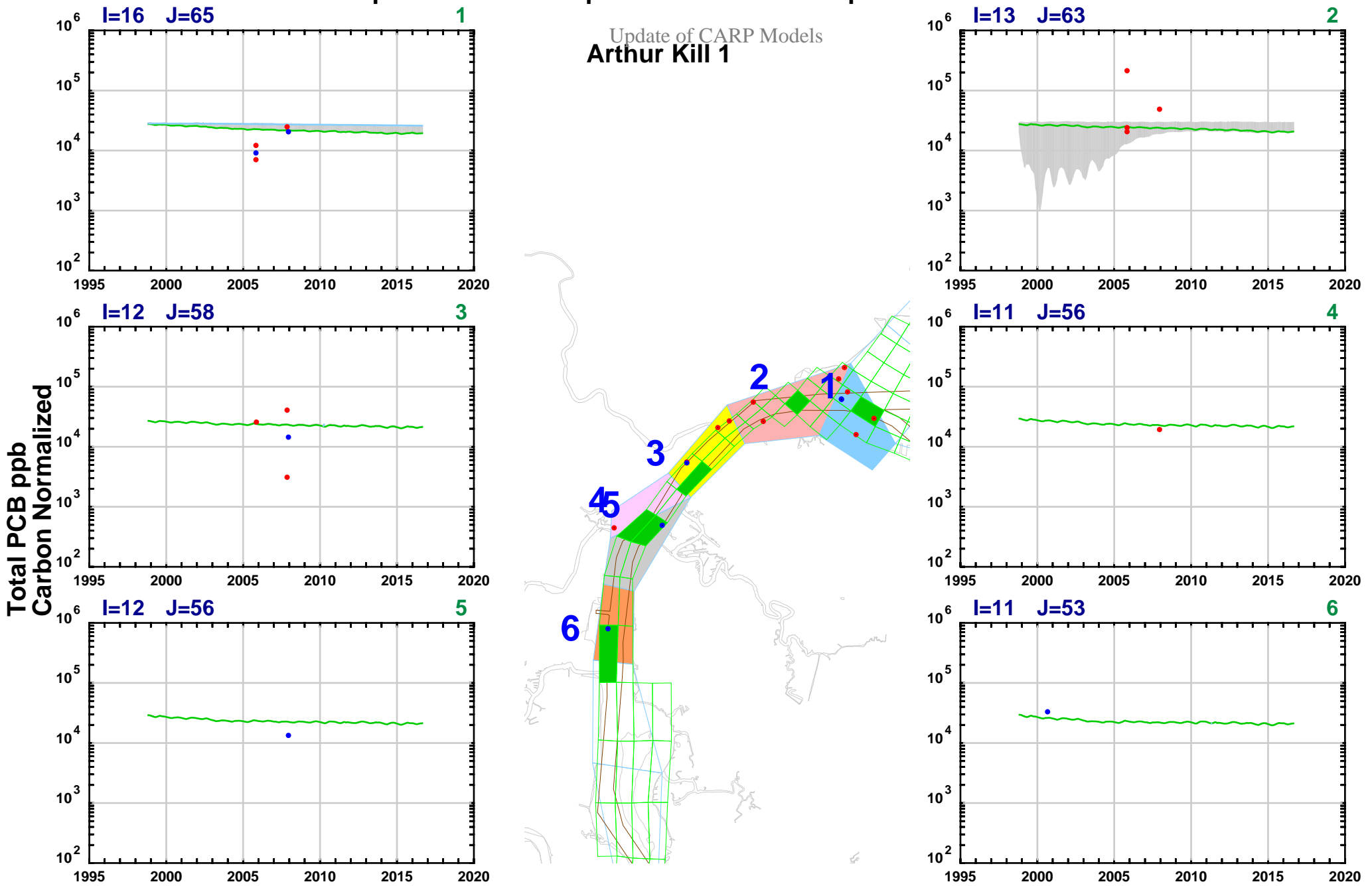
RUN18

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

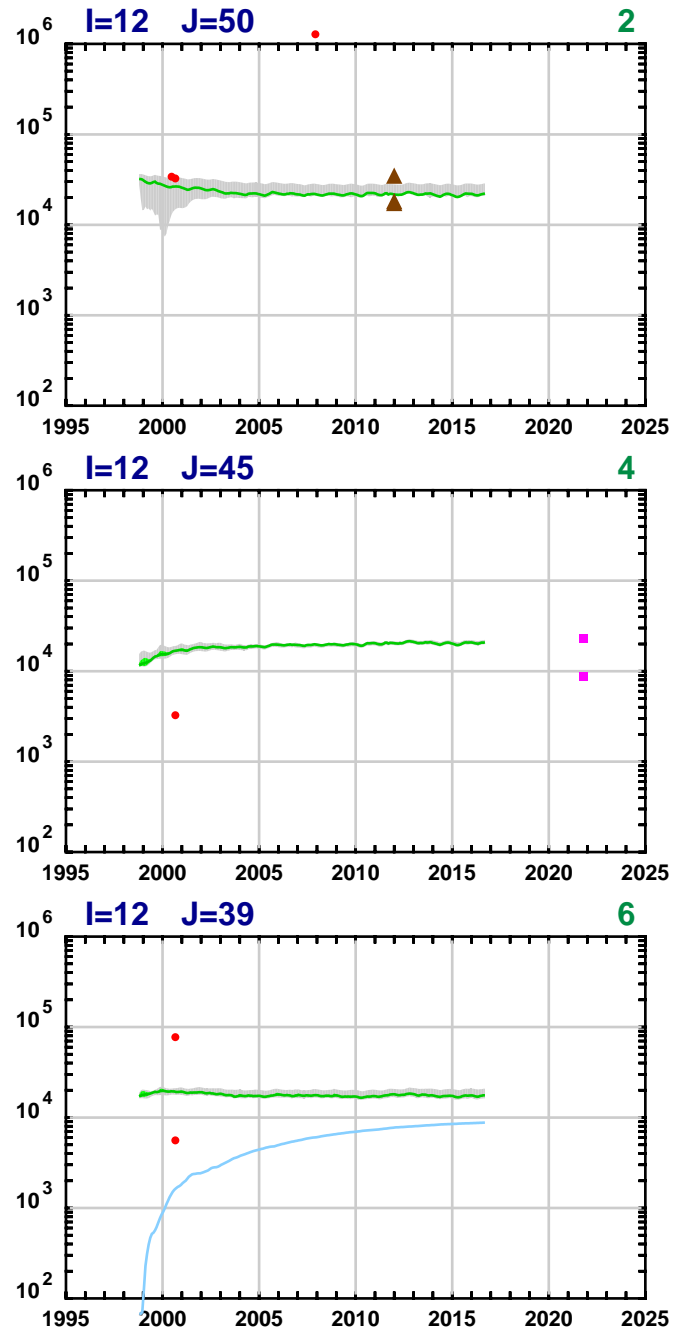
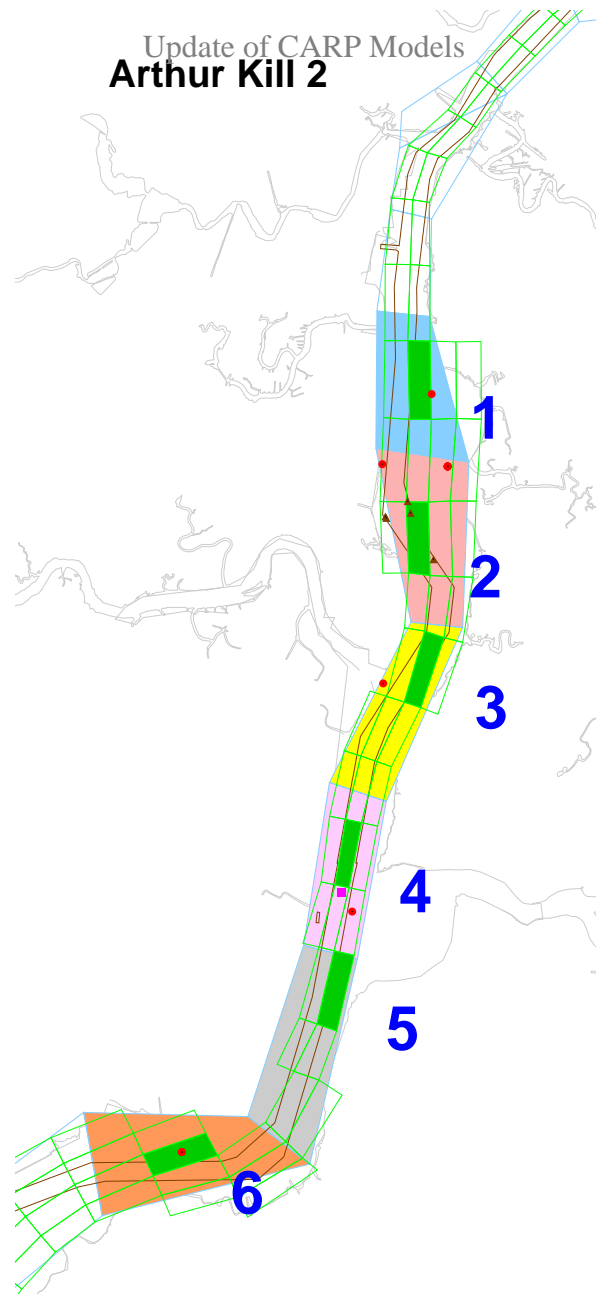
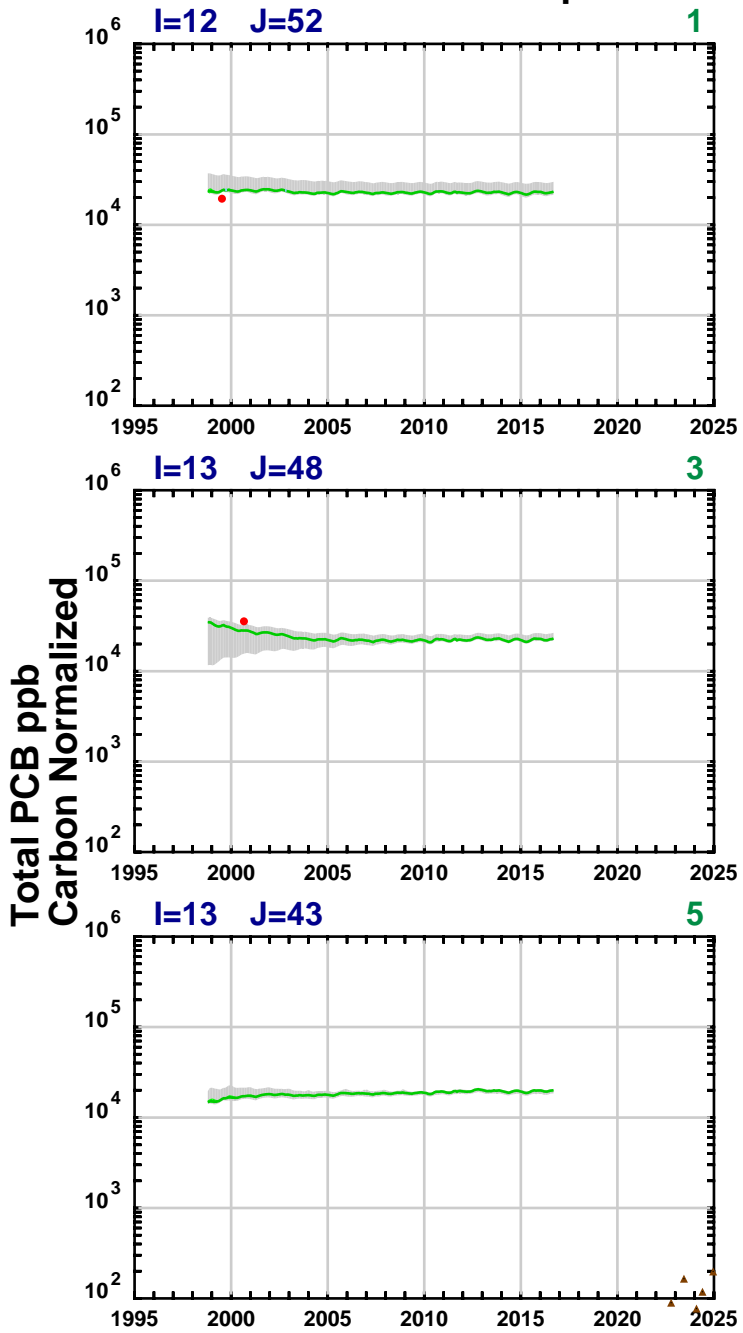


RUN18

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

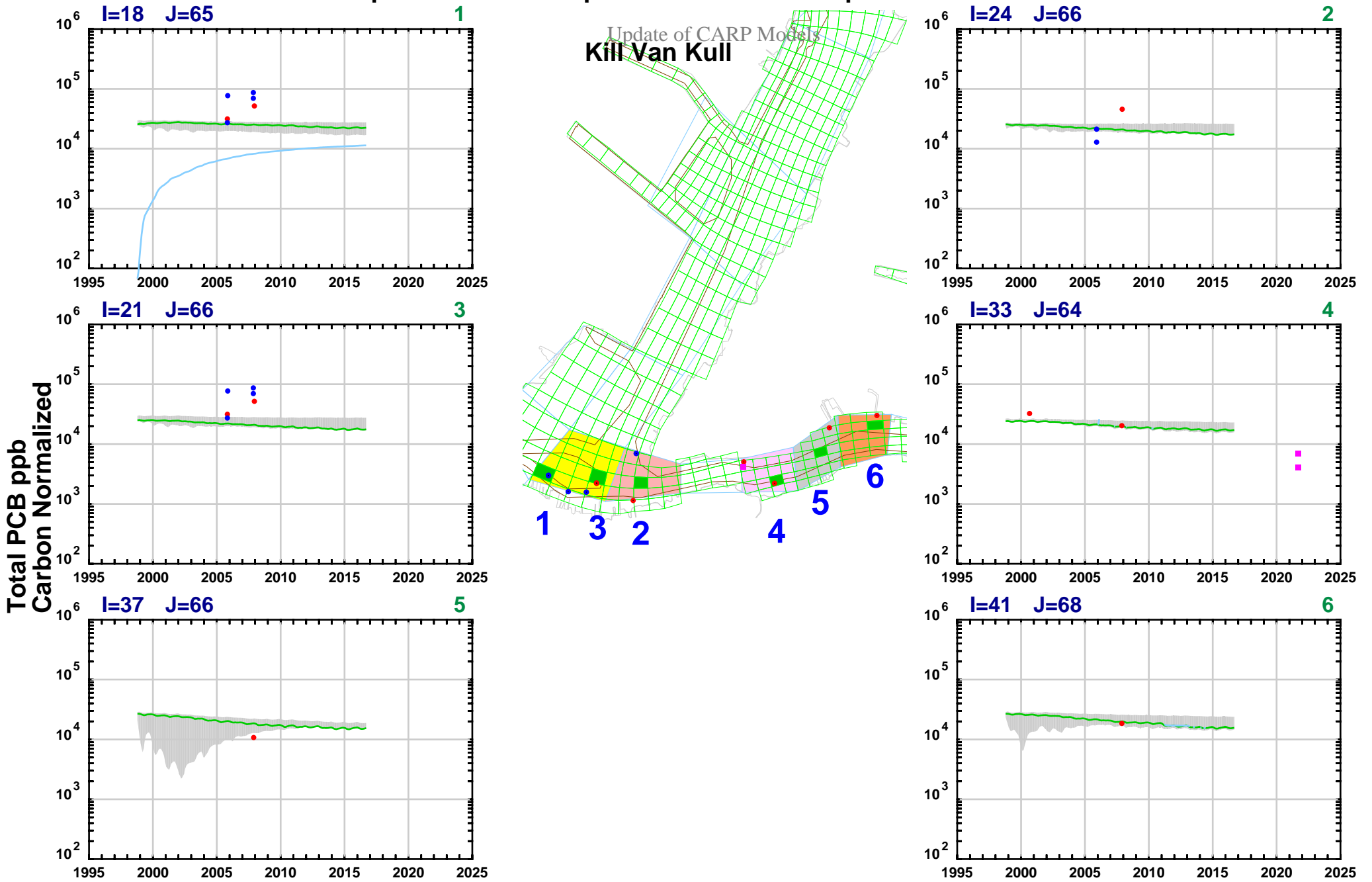


RUN18

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

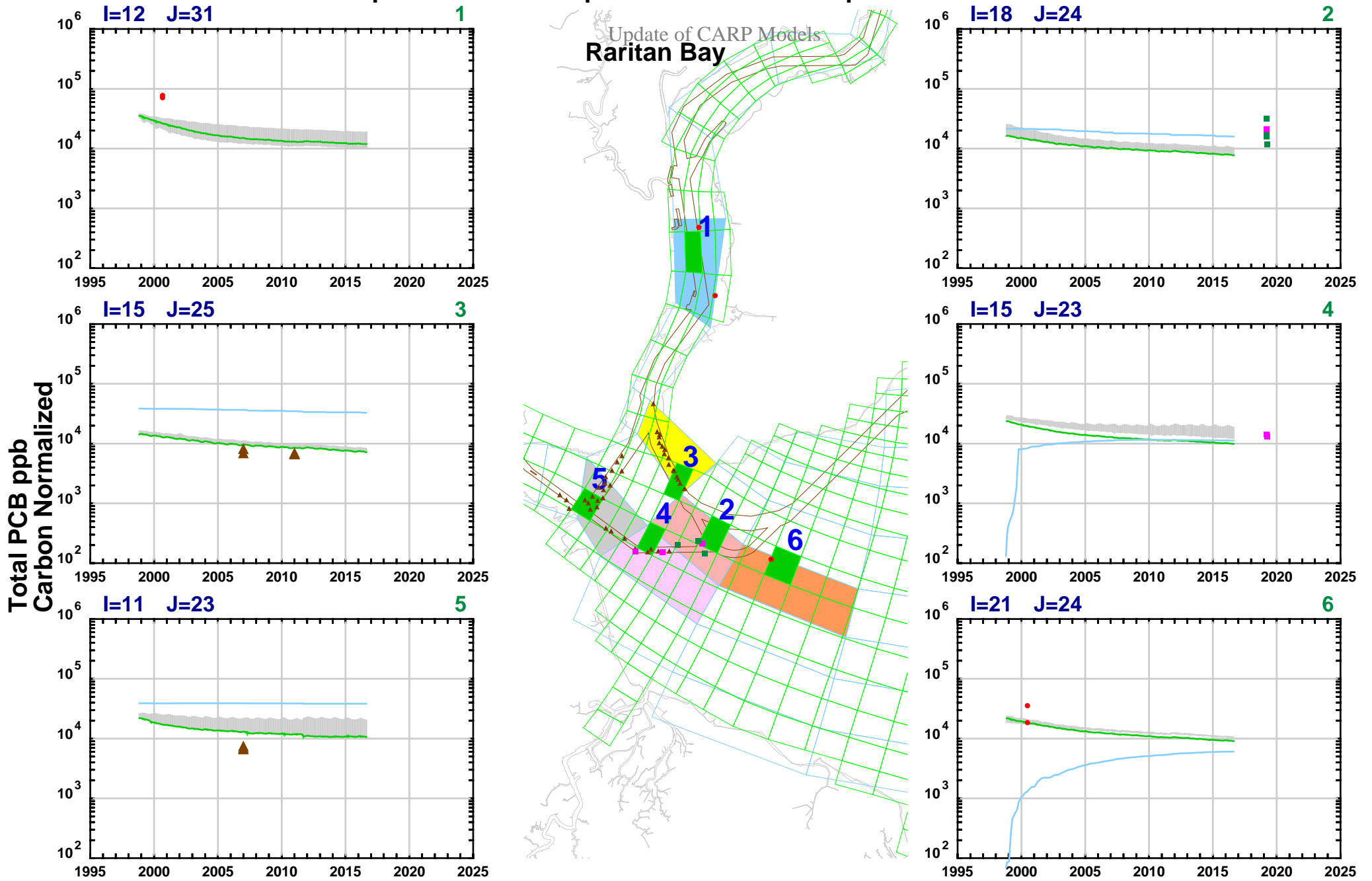


RUN18

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

● 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

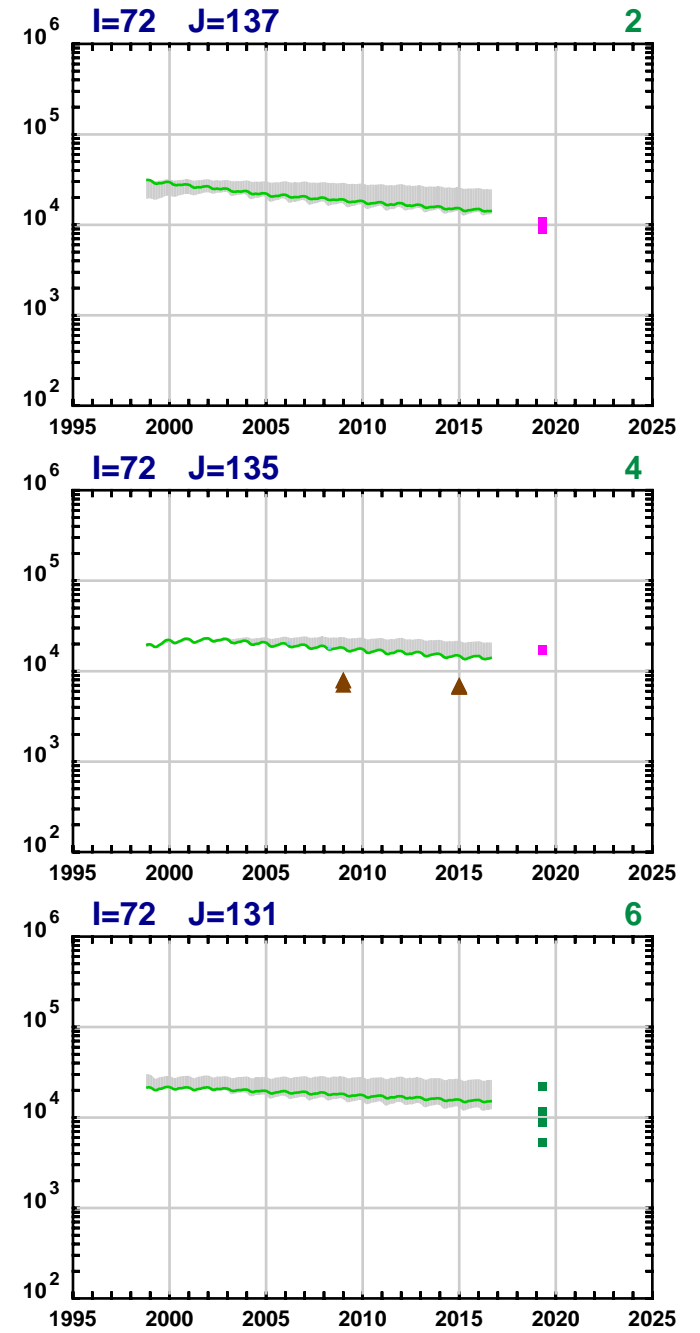
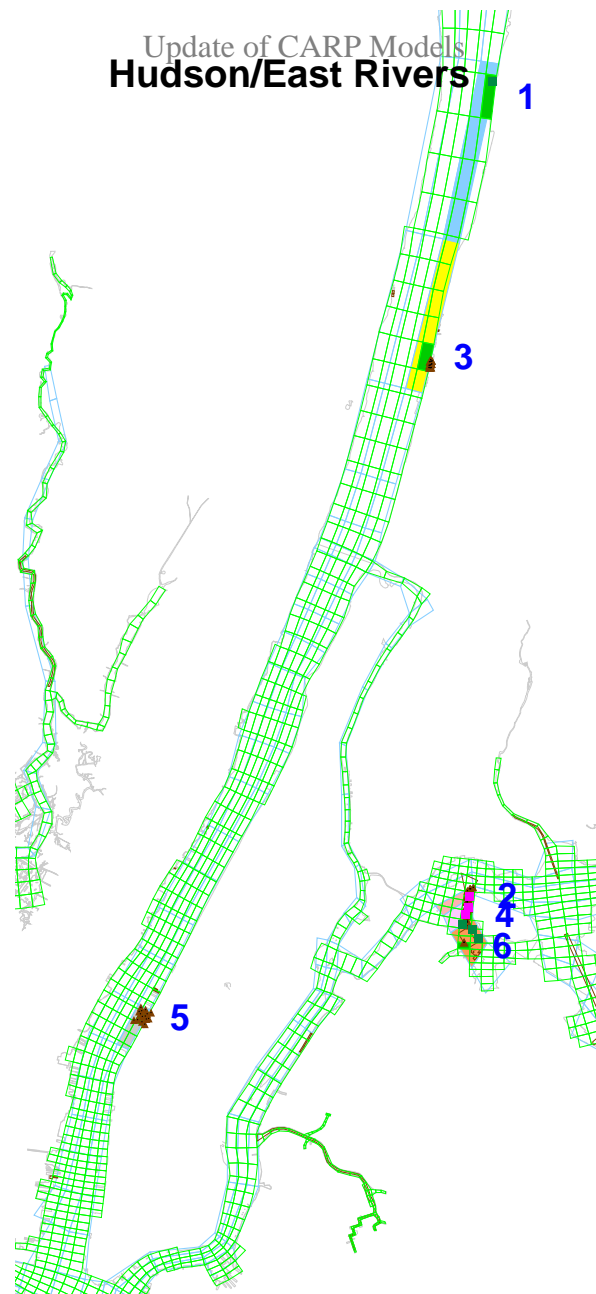
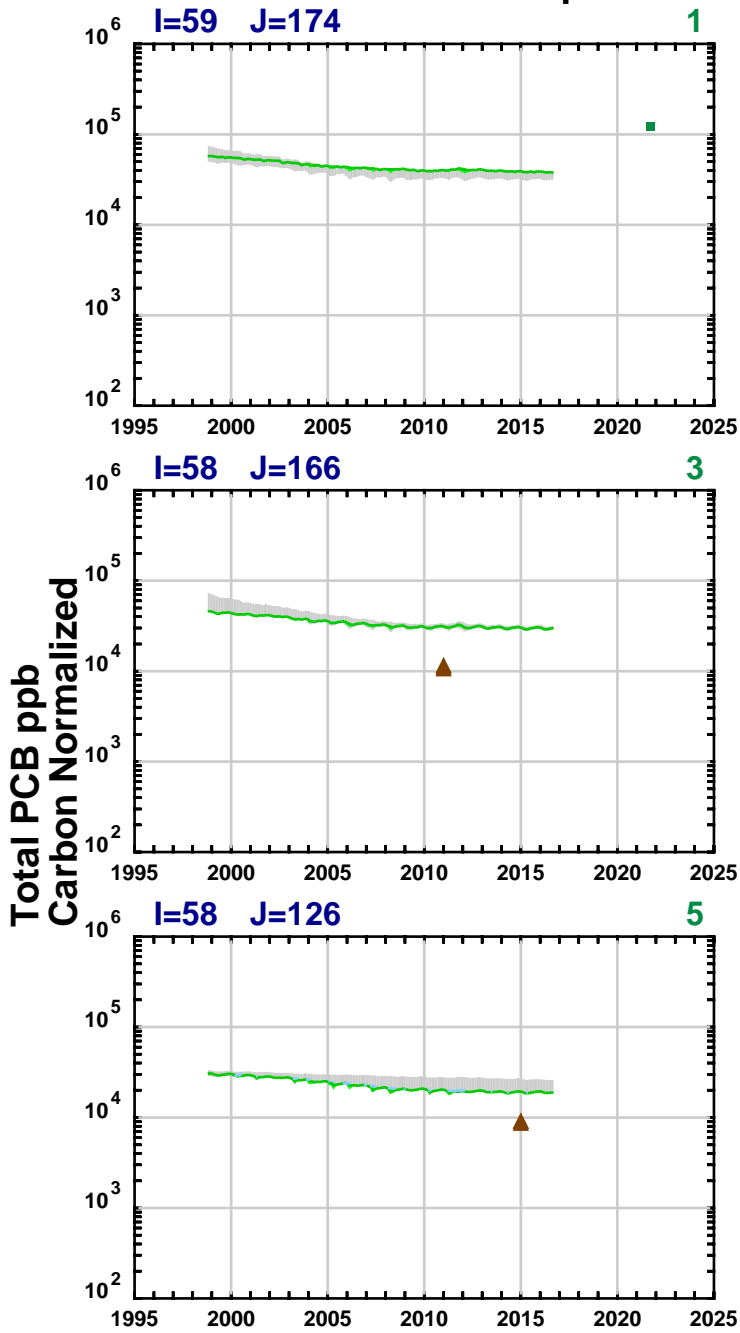


RUN18

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

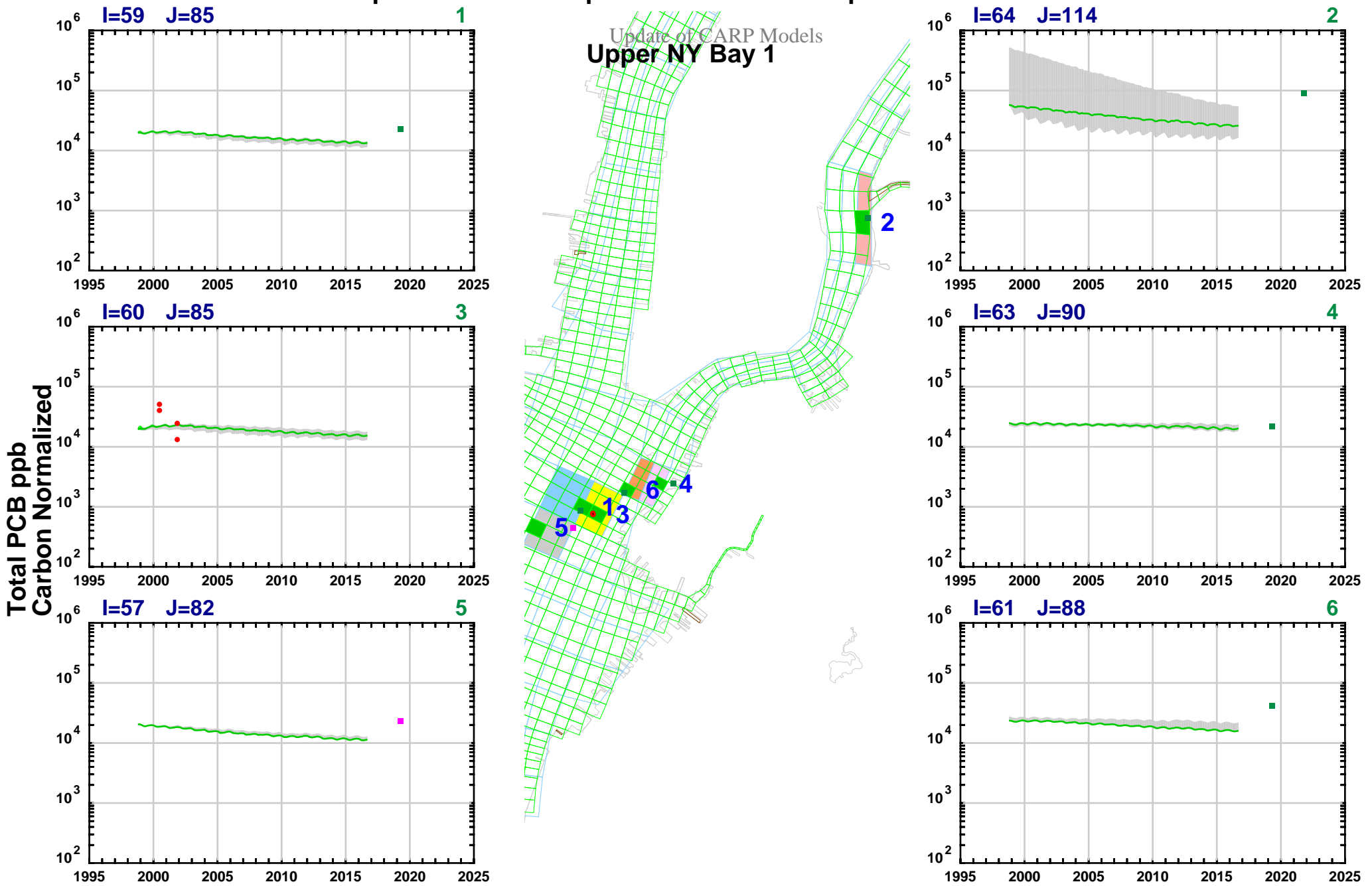


RUN18

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

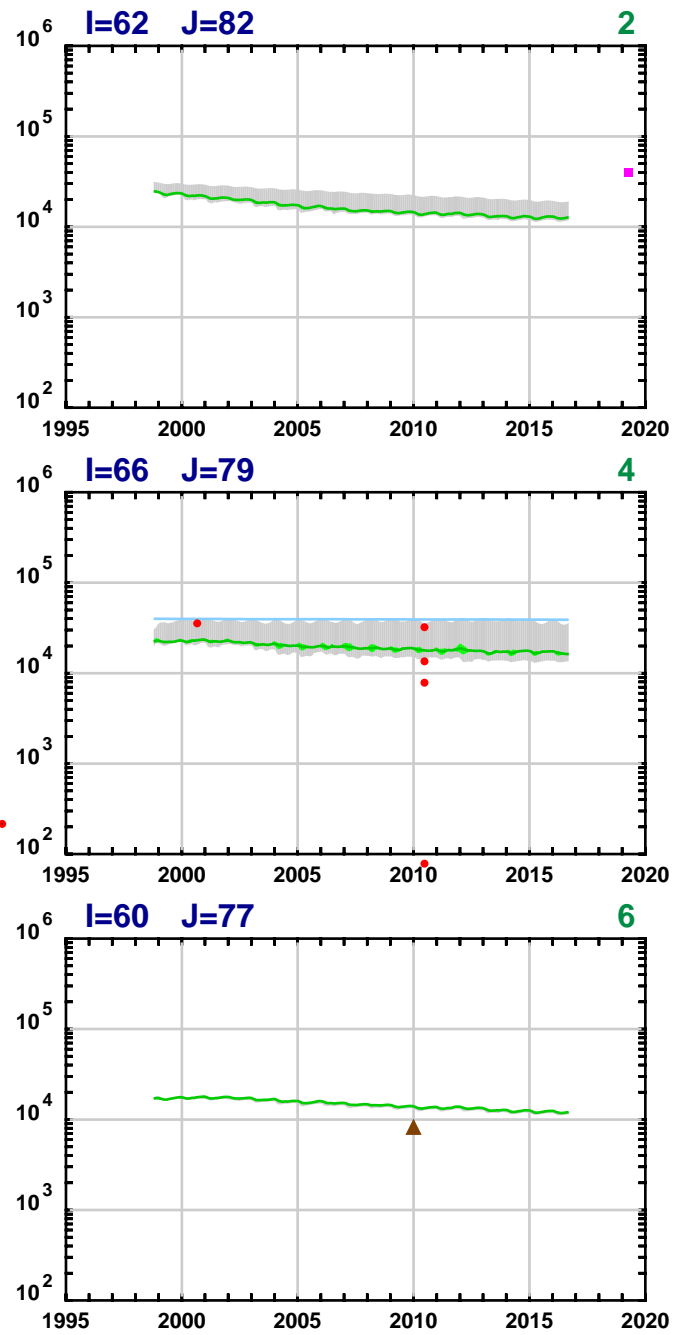
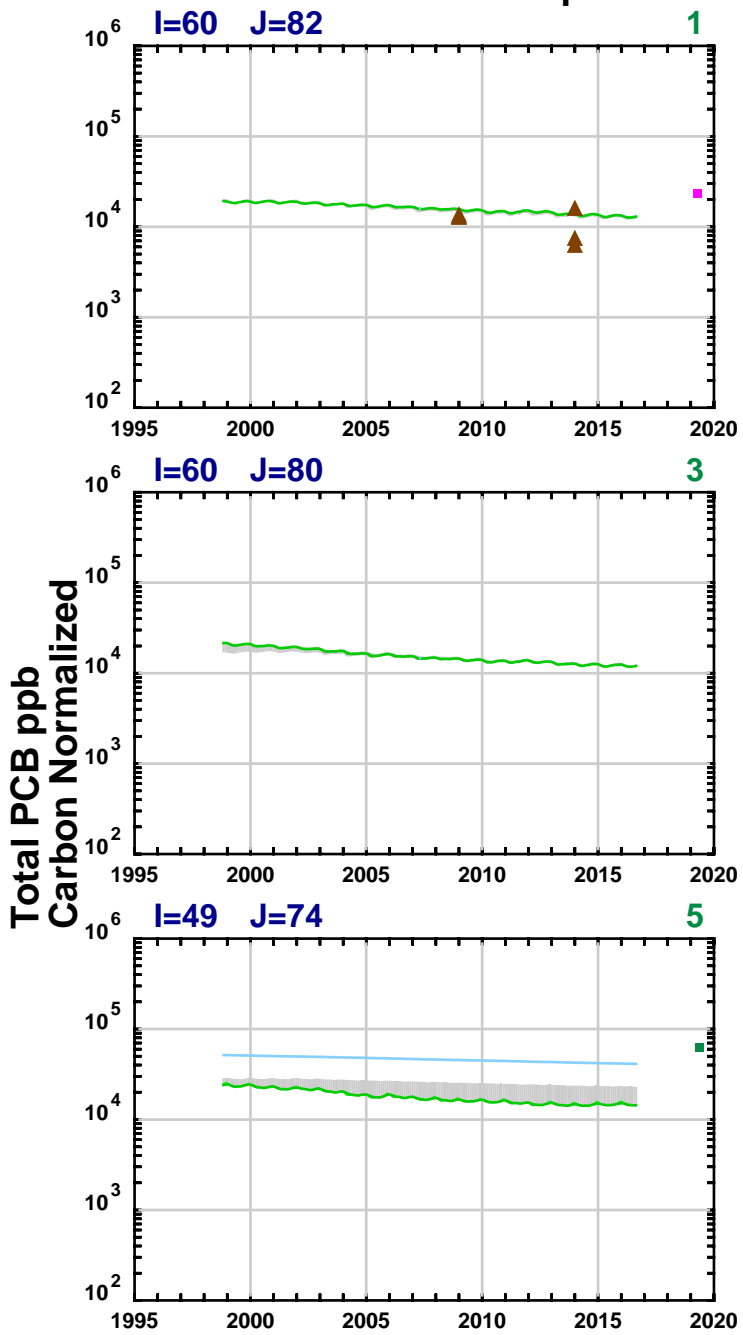
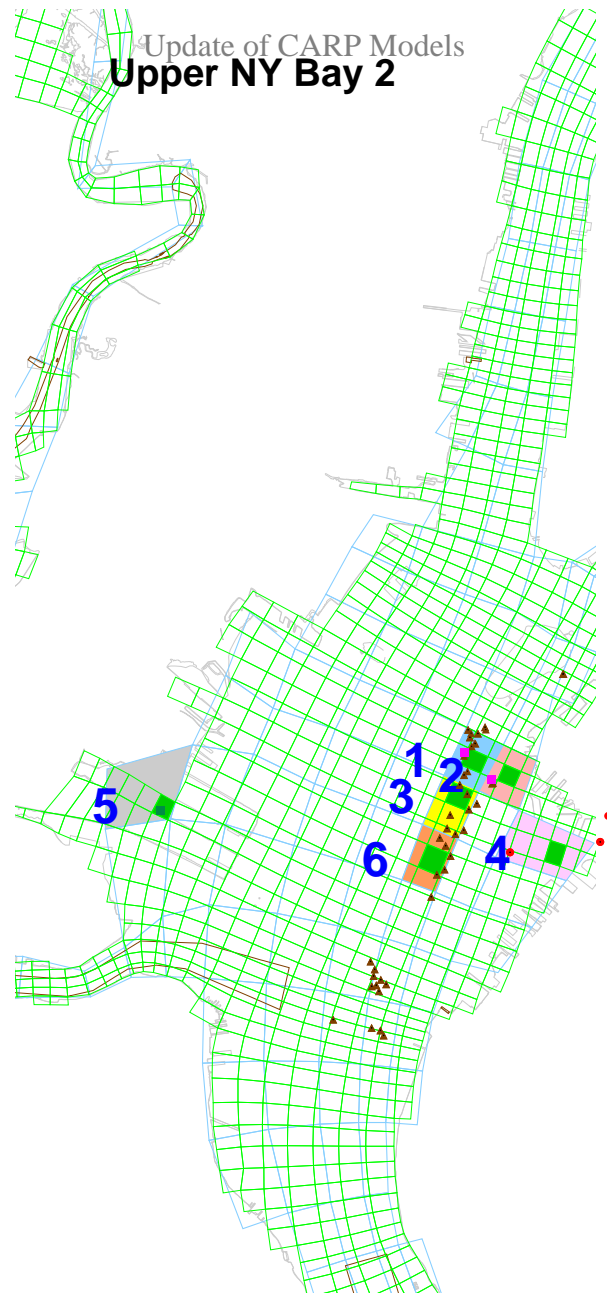


RUN18

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

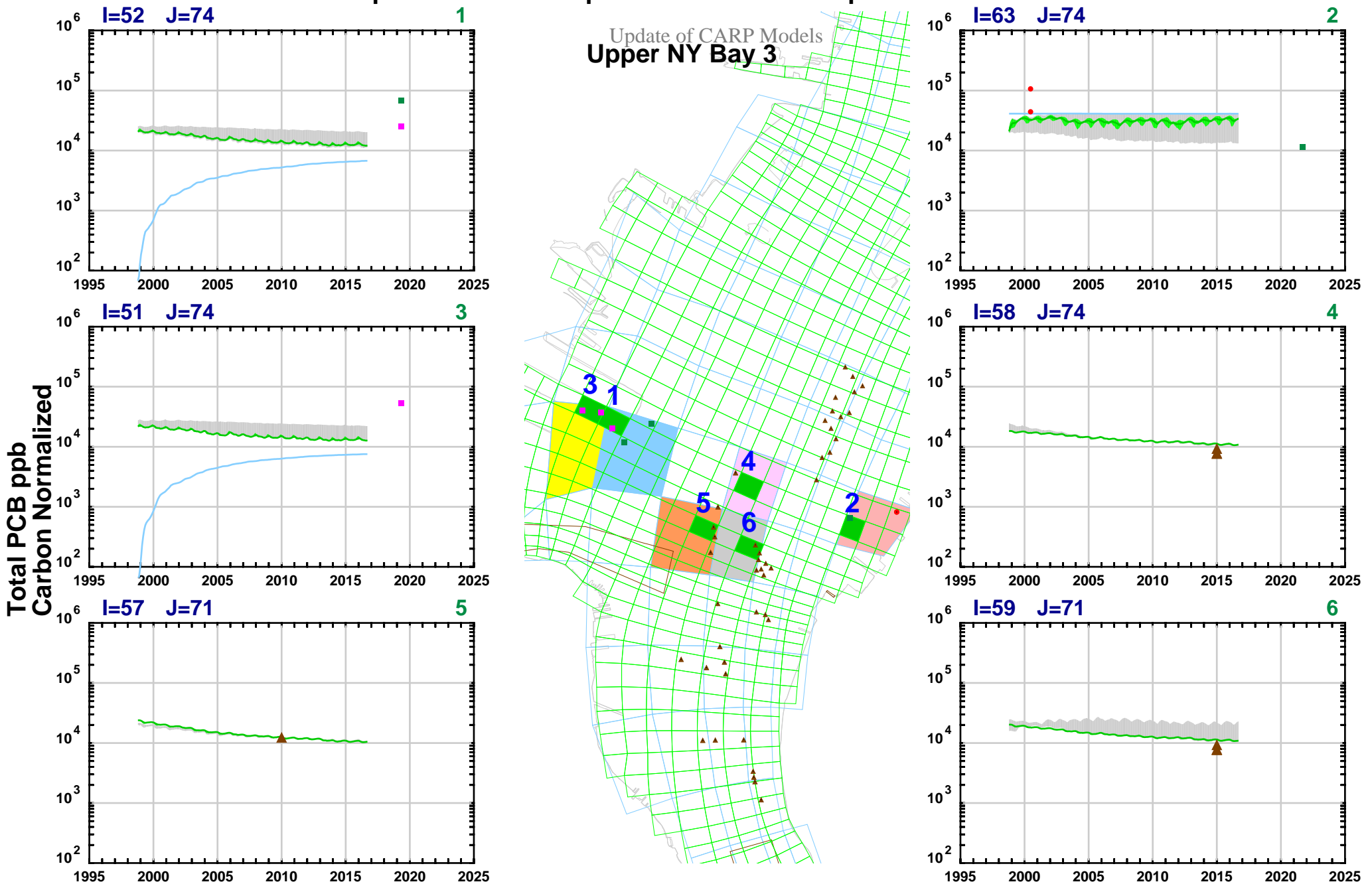


RUN18

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

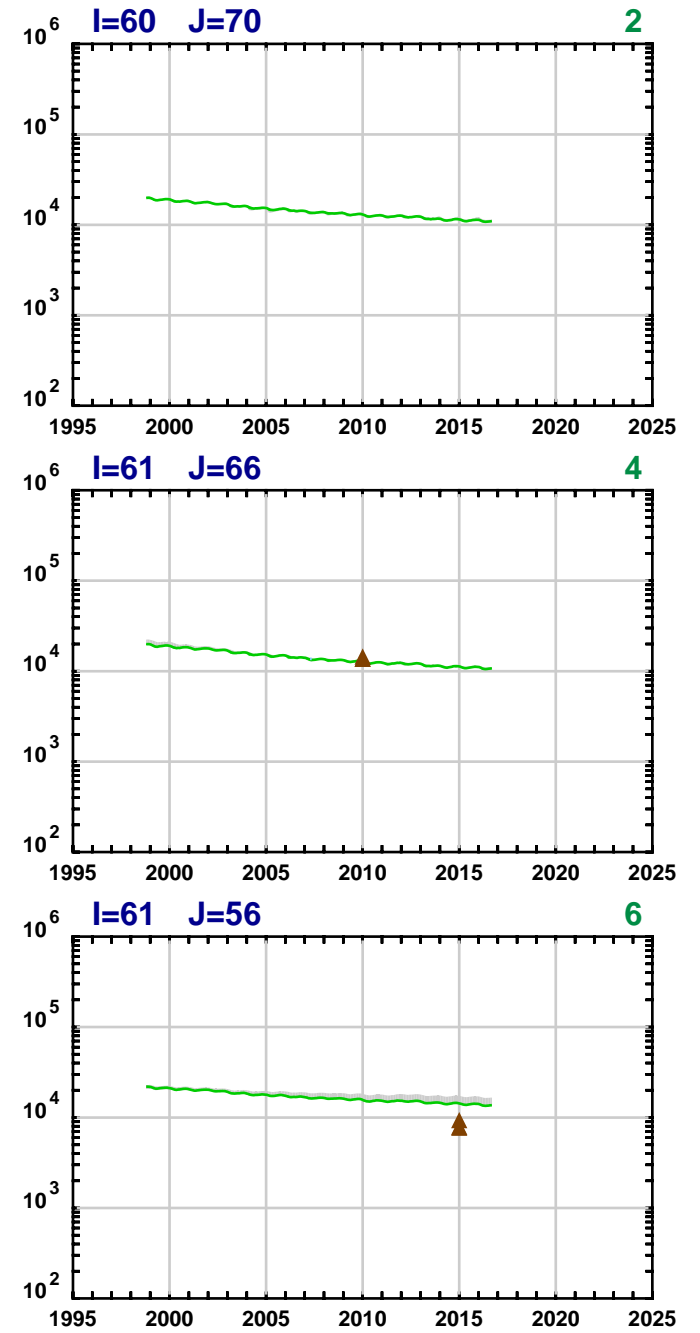
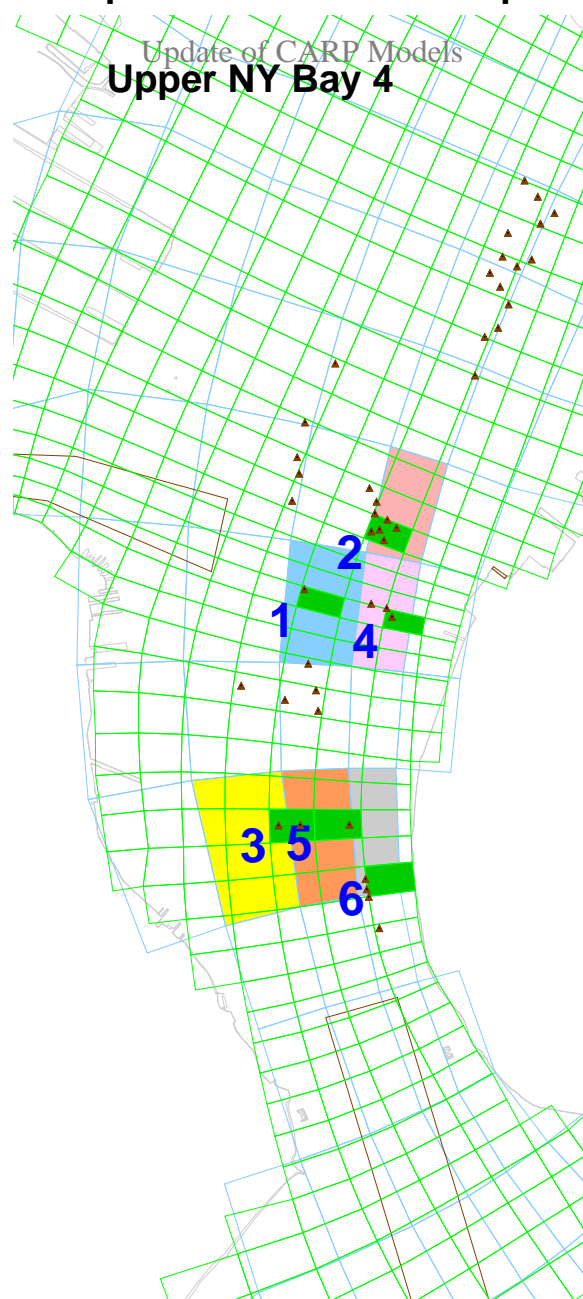
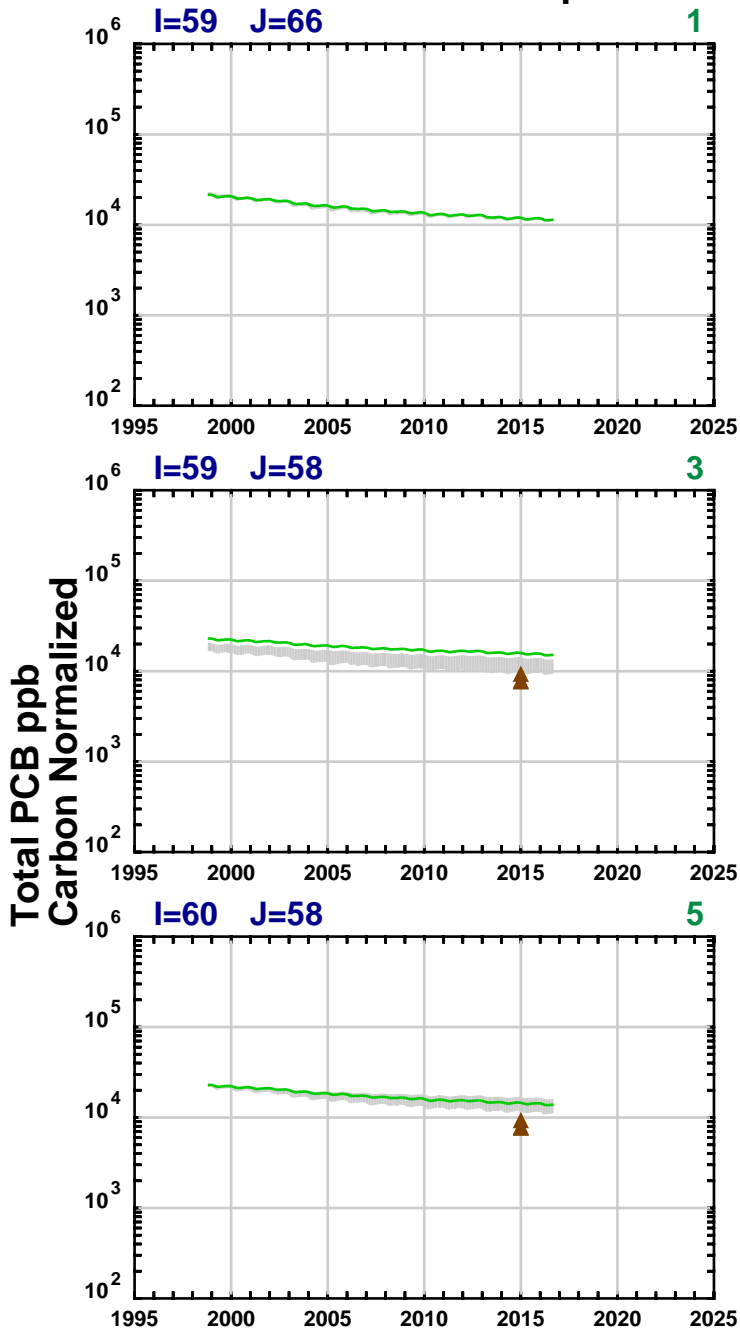


RUN18

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

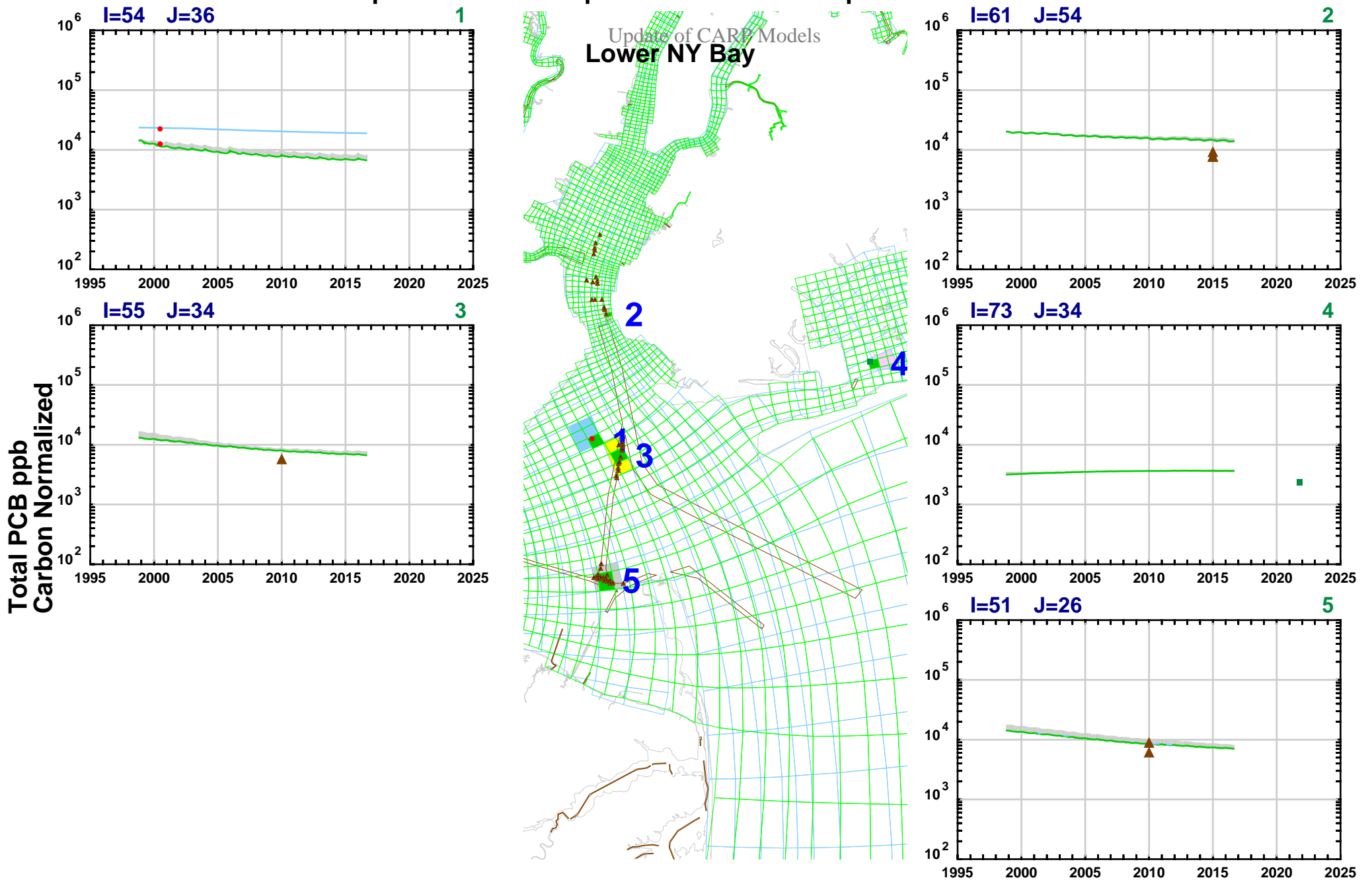


RUN18

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