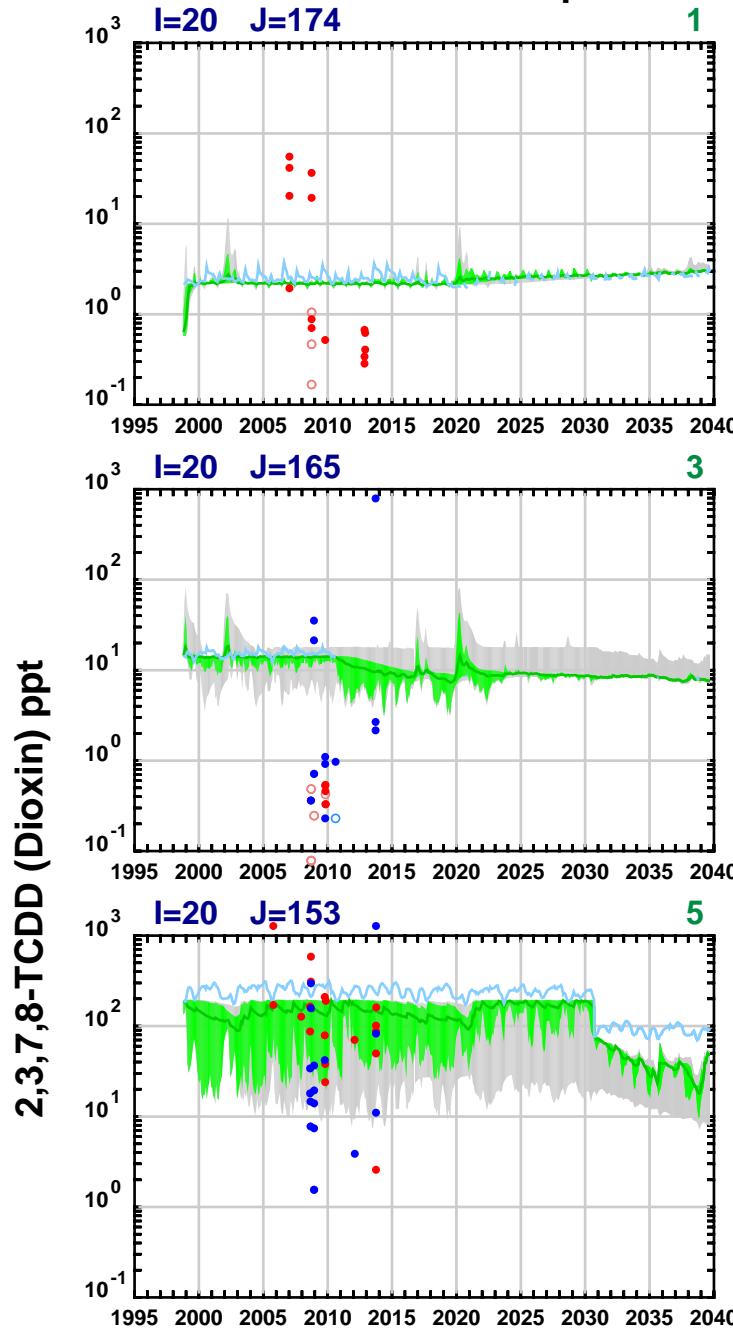


APPENDIX 1

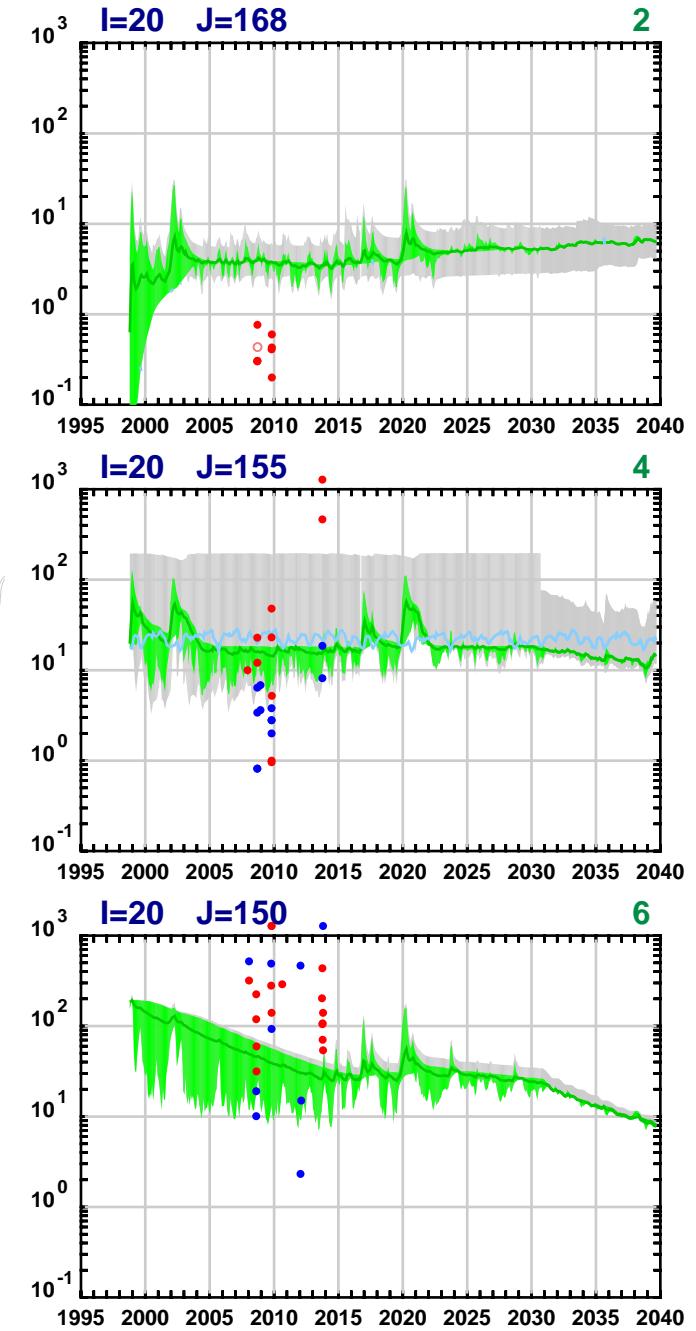
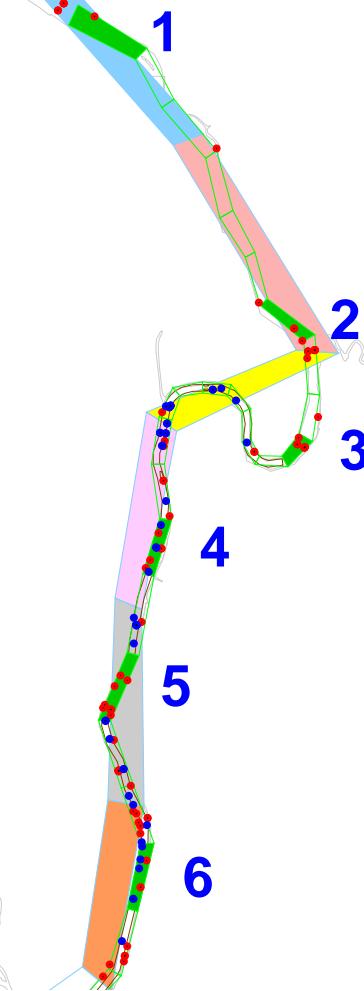
Future Projection Scenarios Contaminant Concentrations Time Series, Sediment Bed

- Seventeen reaches, 101 locations
- SS (pages 2 to 120) and OC (pages 121 to 239) normalized
- 2,3,7,8-TCDD
- Total PCB
- 2,3,4,7,8-PCDF
- di-CB
- tetra-CB
- hexa-CB
- octa-CB

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

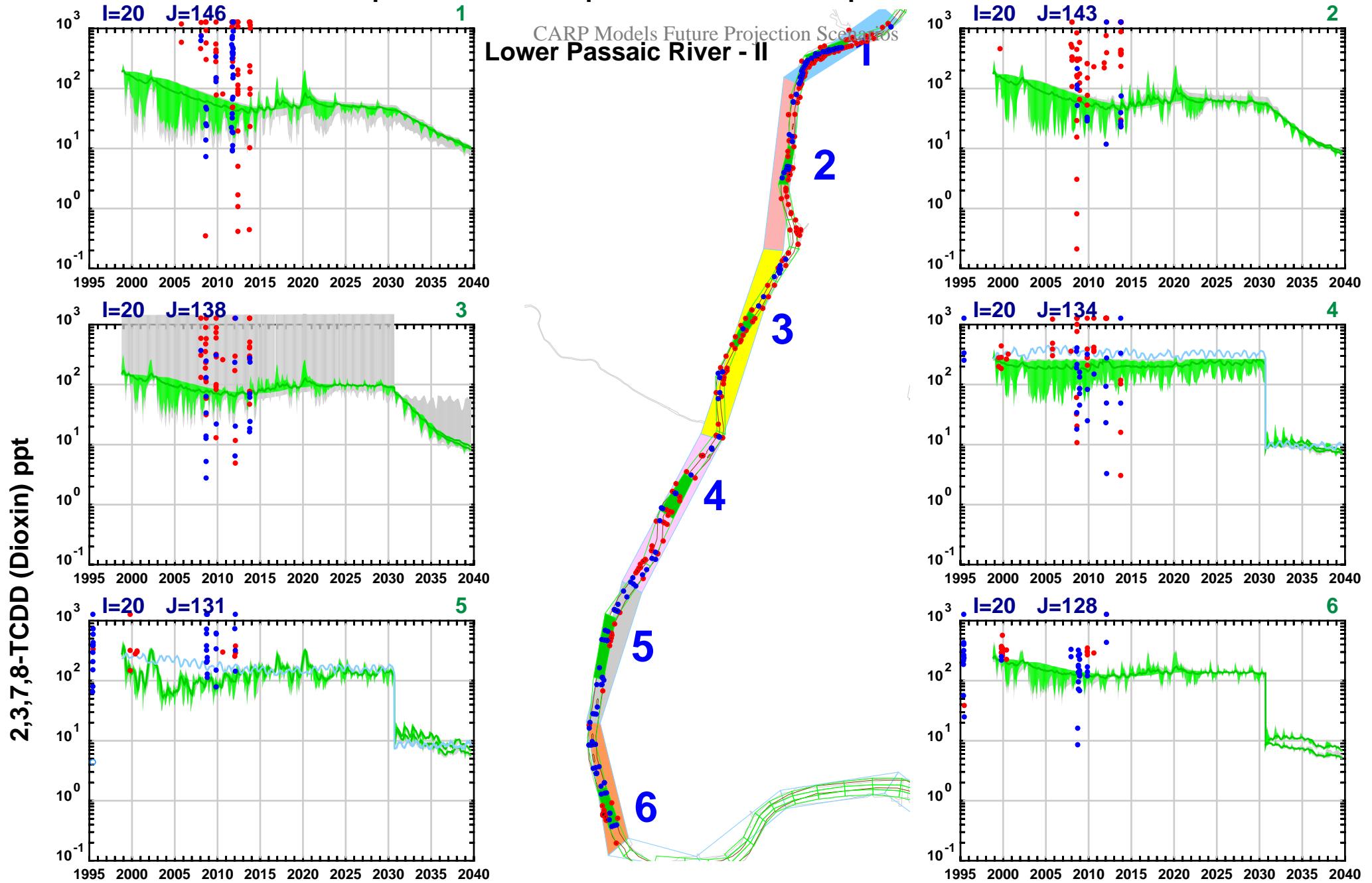
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 2 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

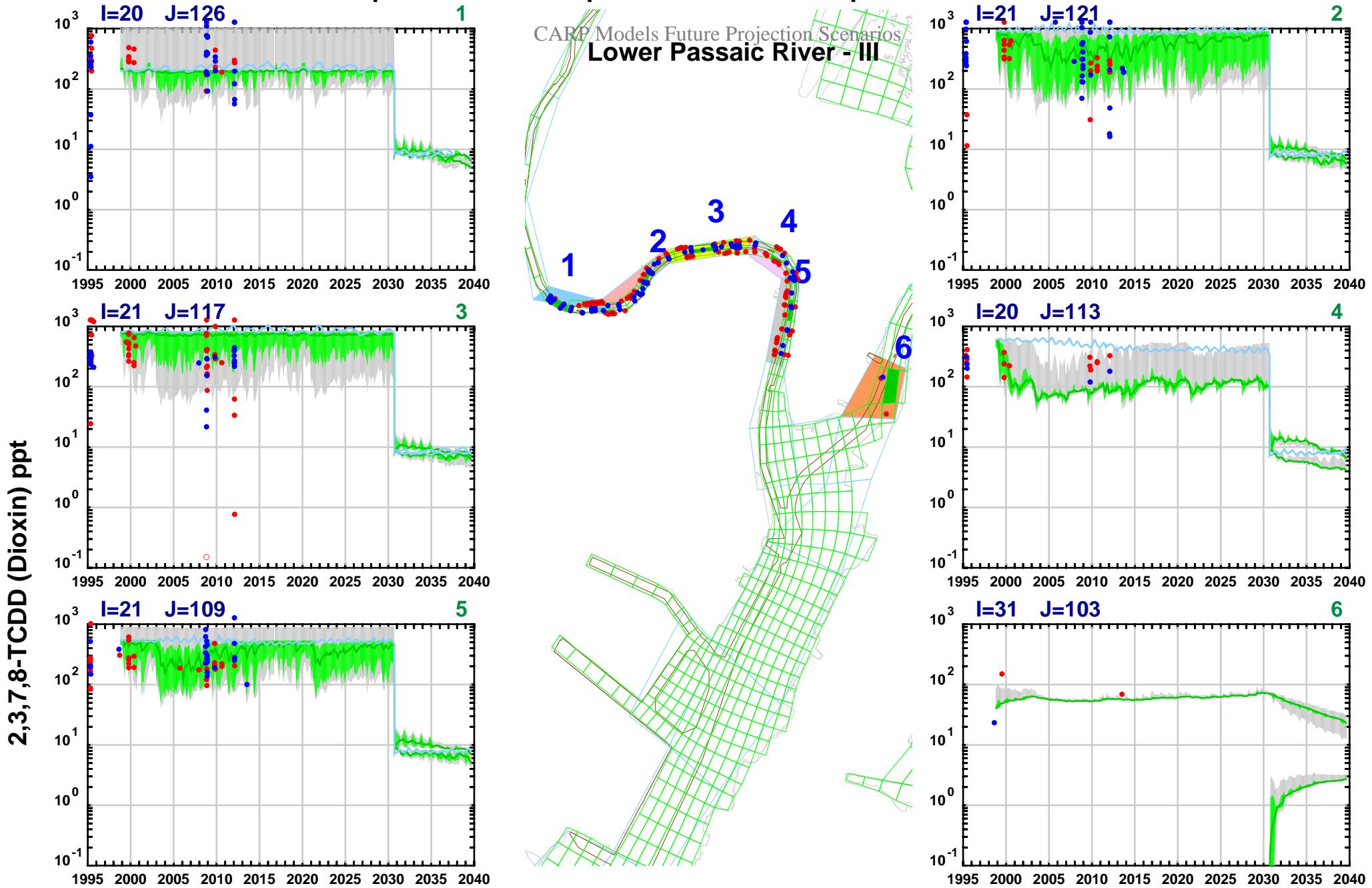
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 3 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

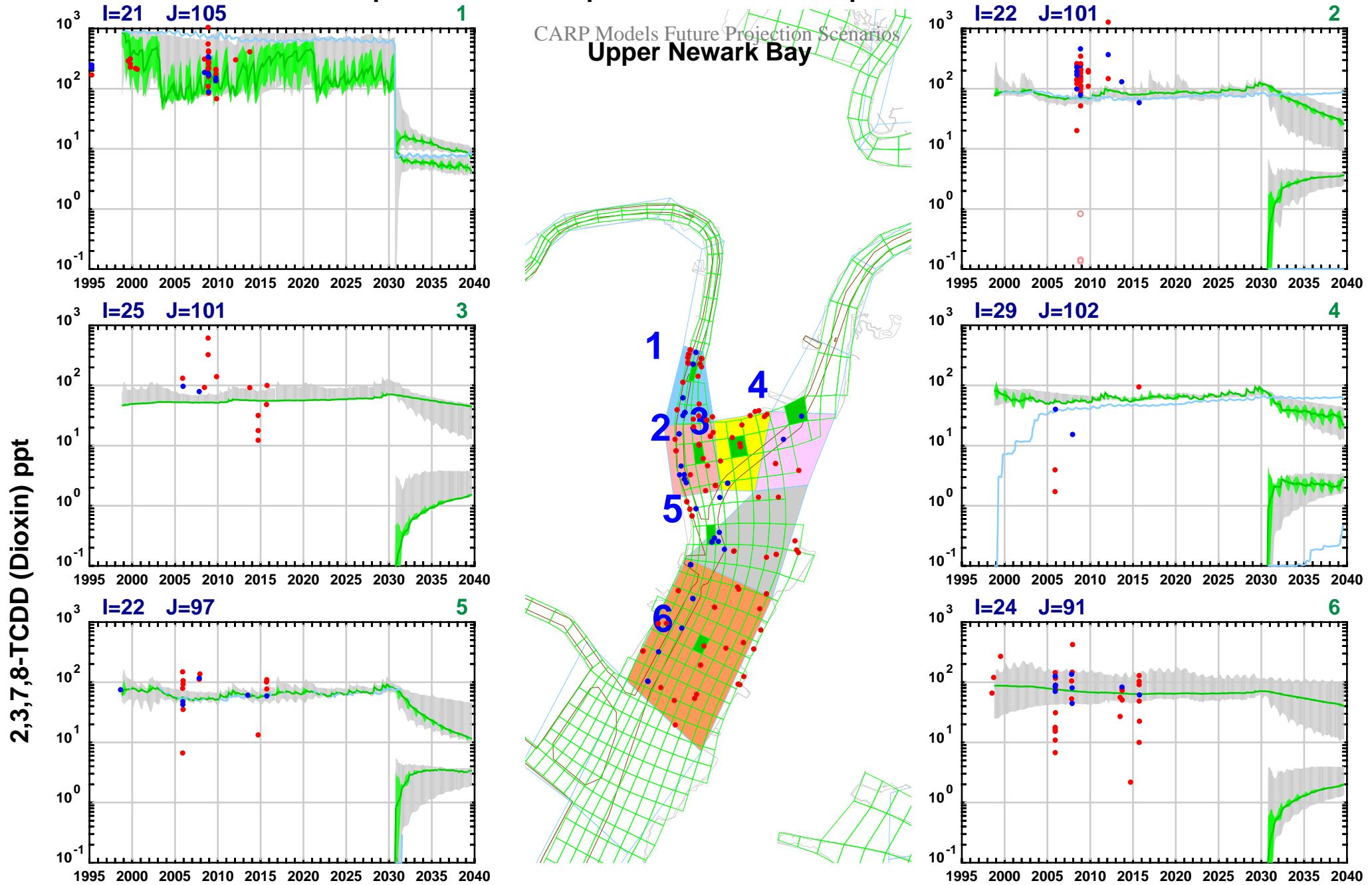
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 4 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

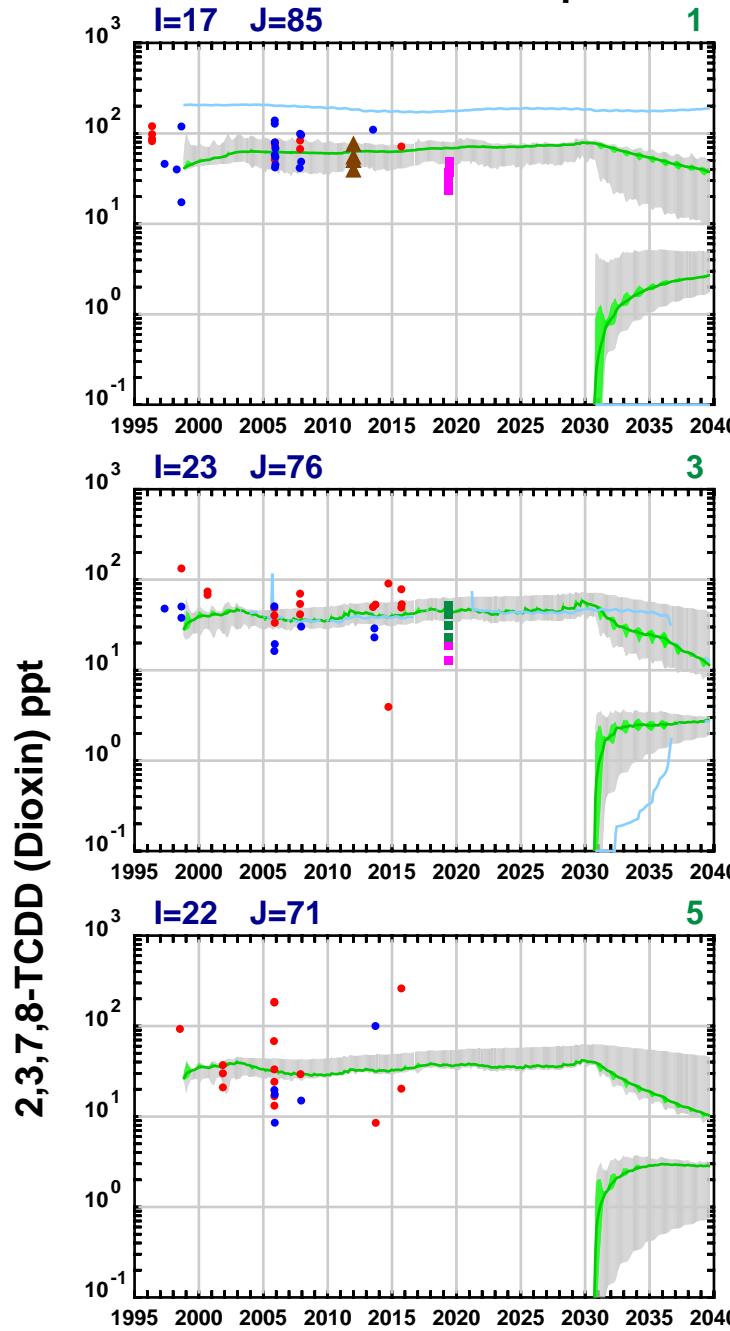
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

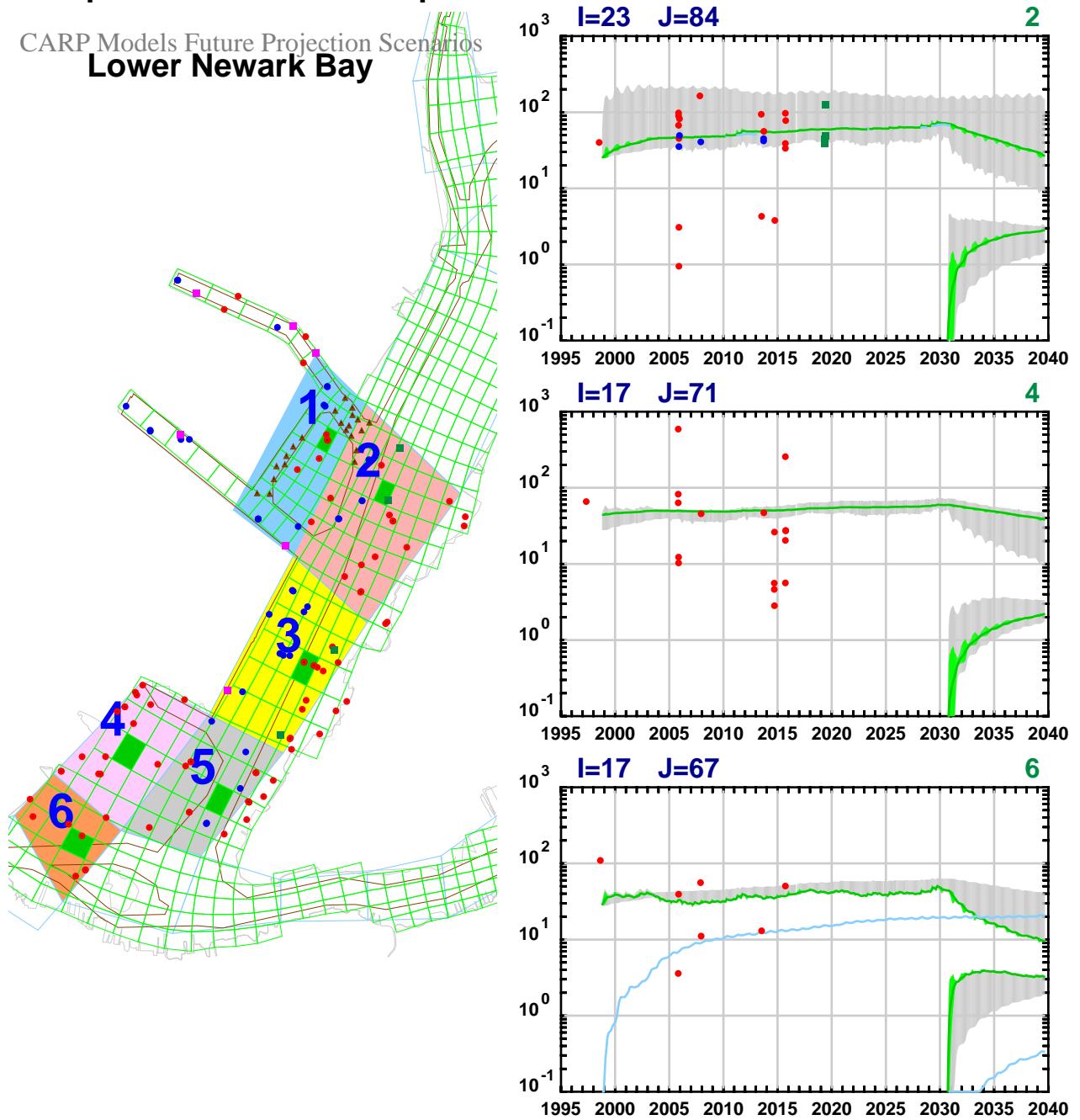
Appendix 1 Page 5 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

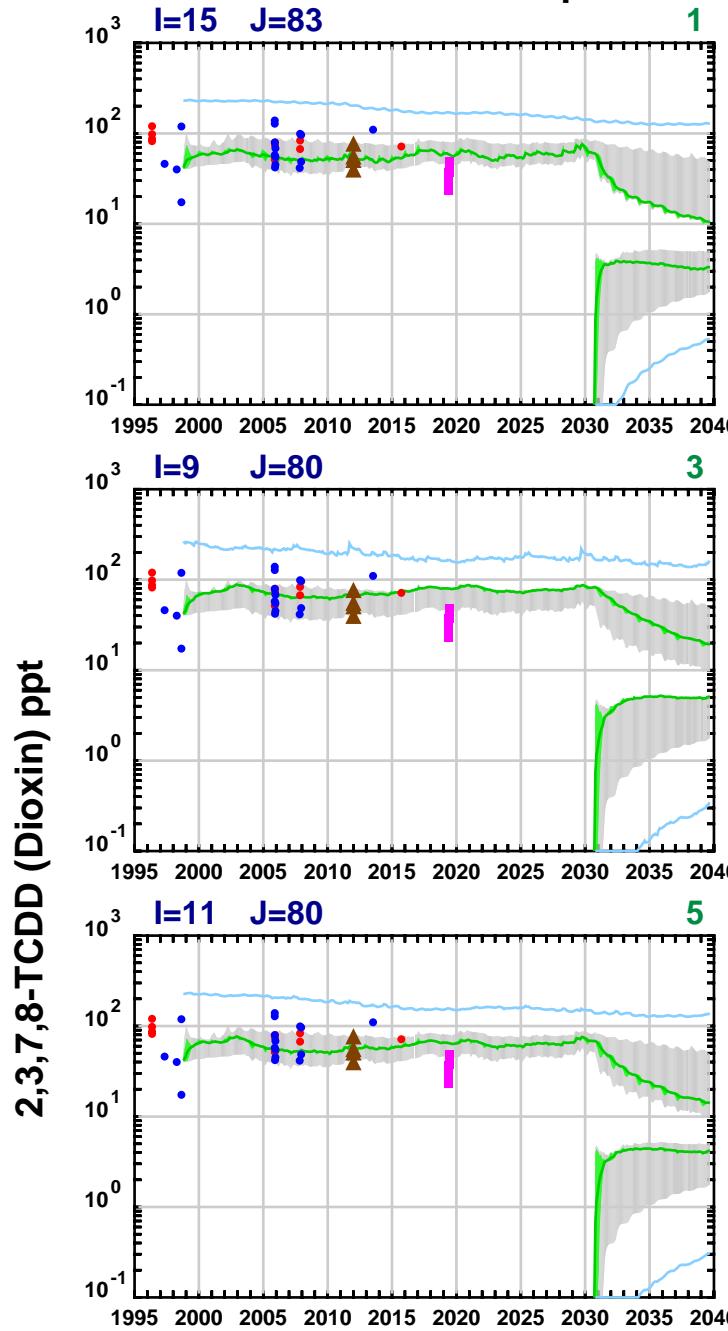
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

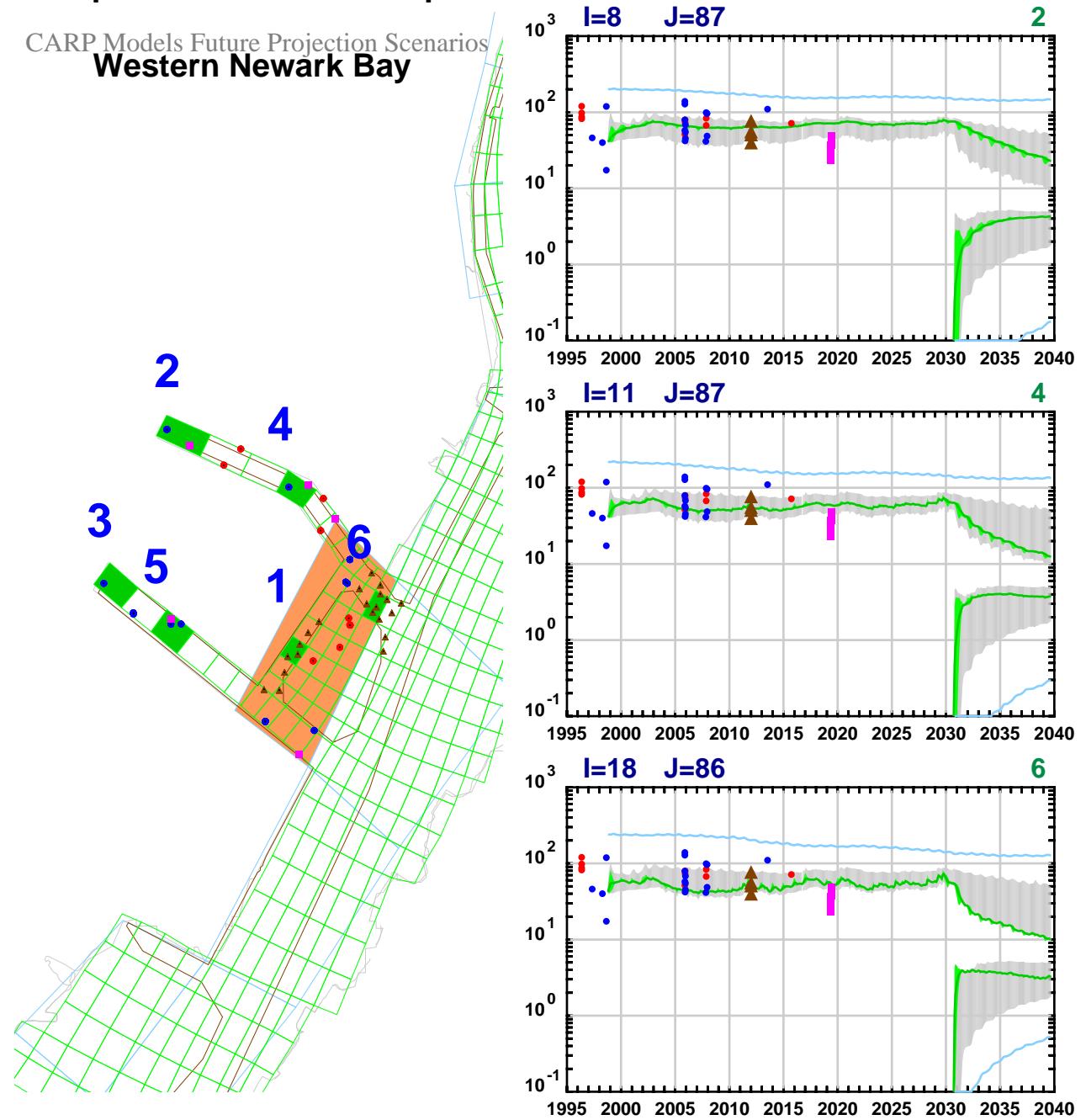
Appendix 1 Page 6 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

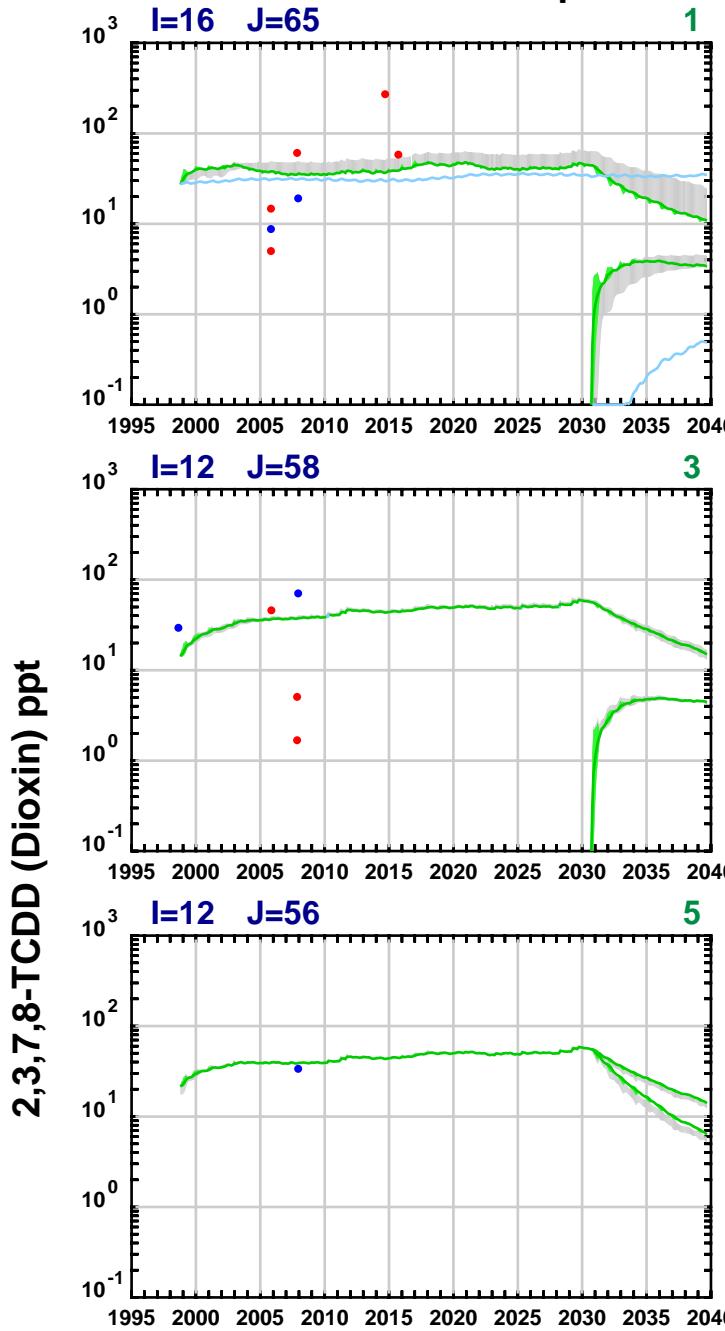
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

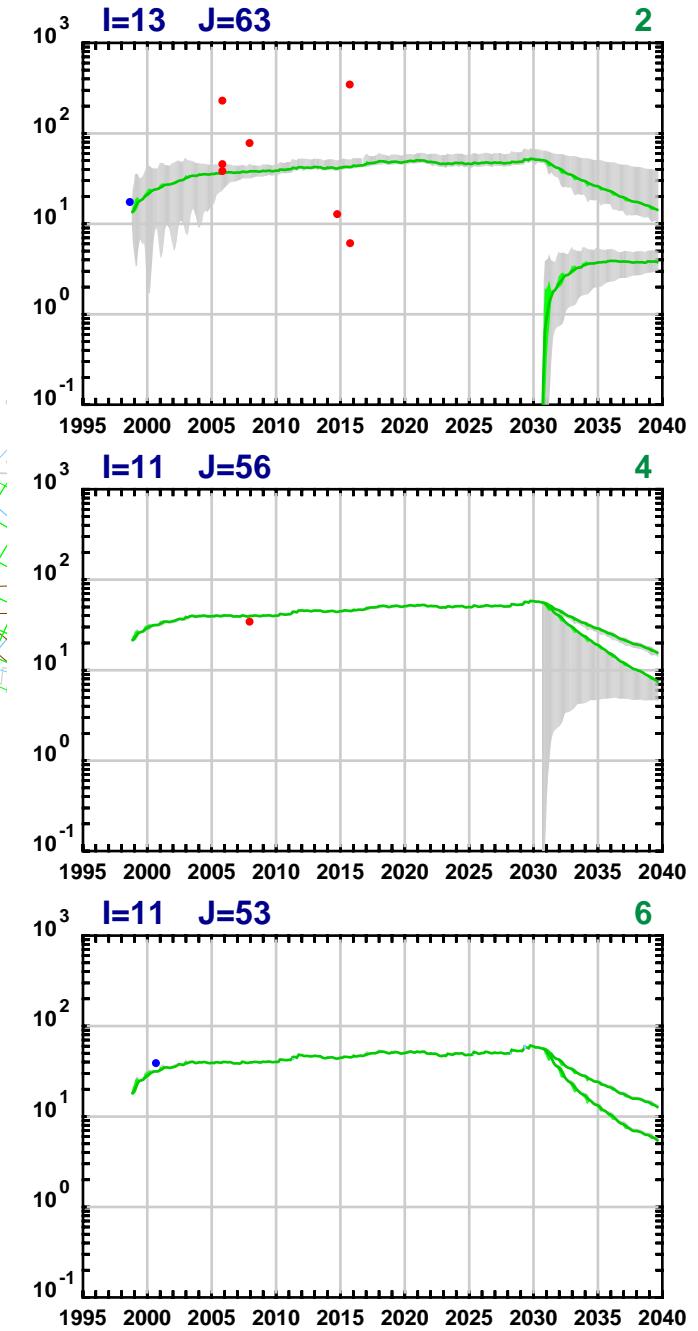
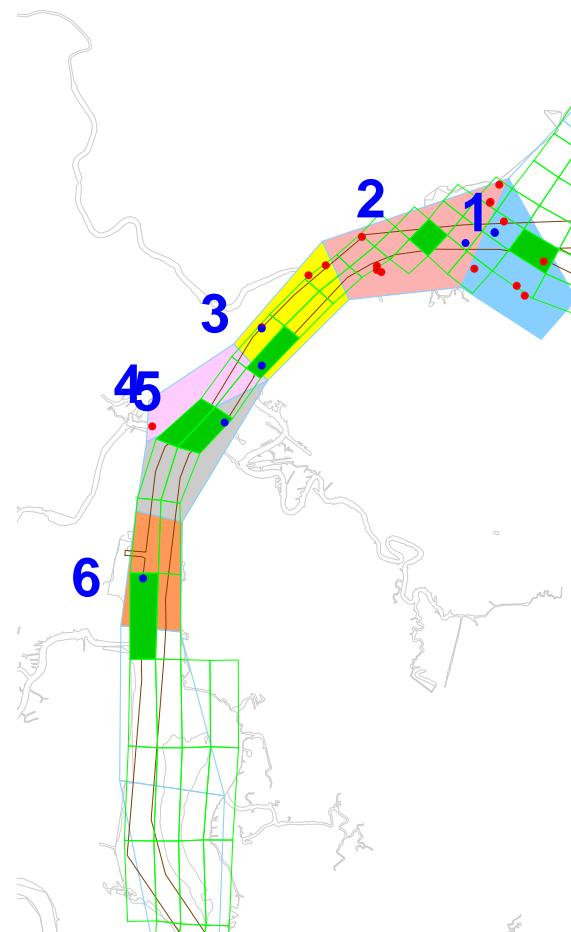
Appendix 1 Page 7 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

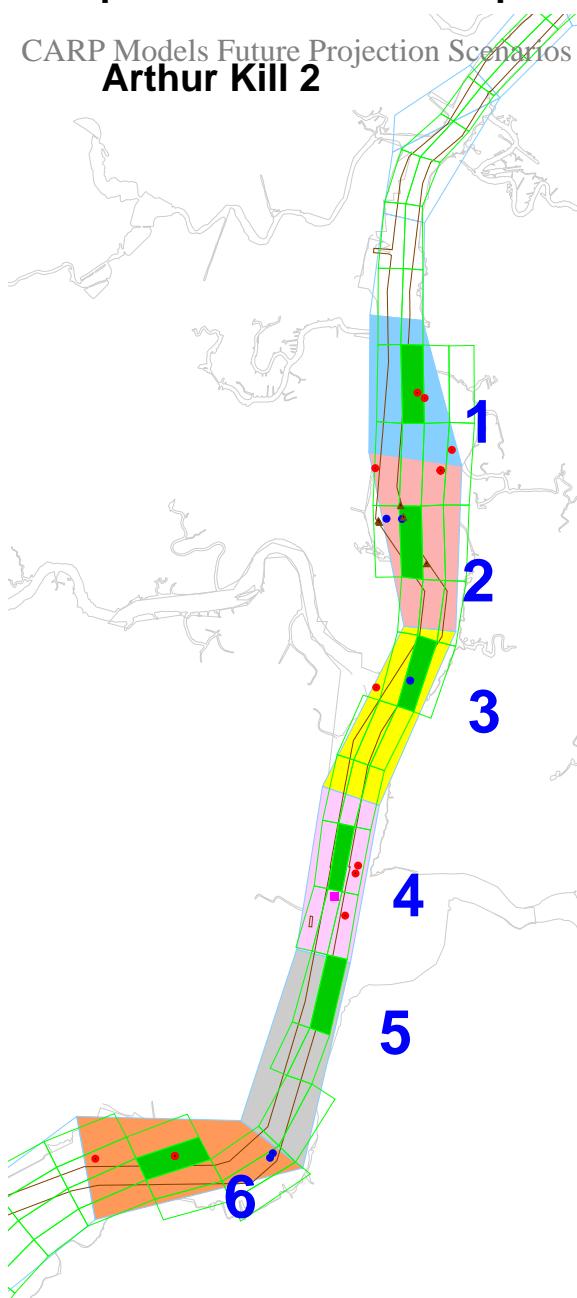
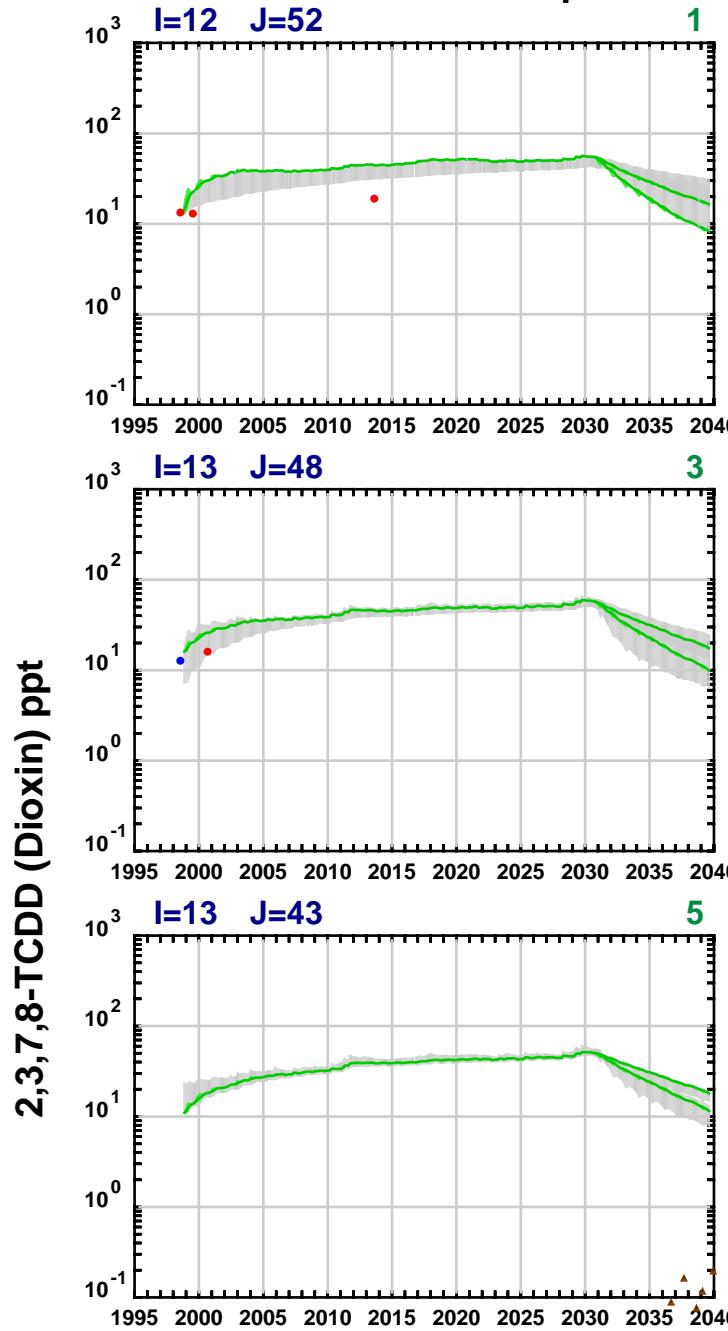
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 8 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

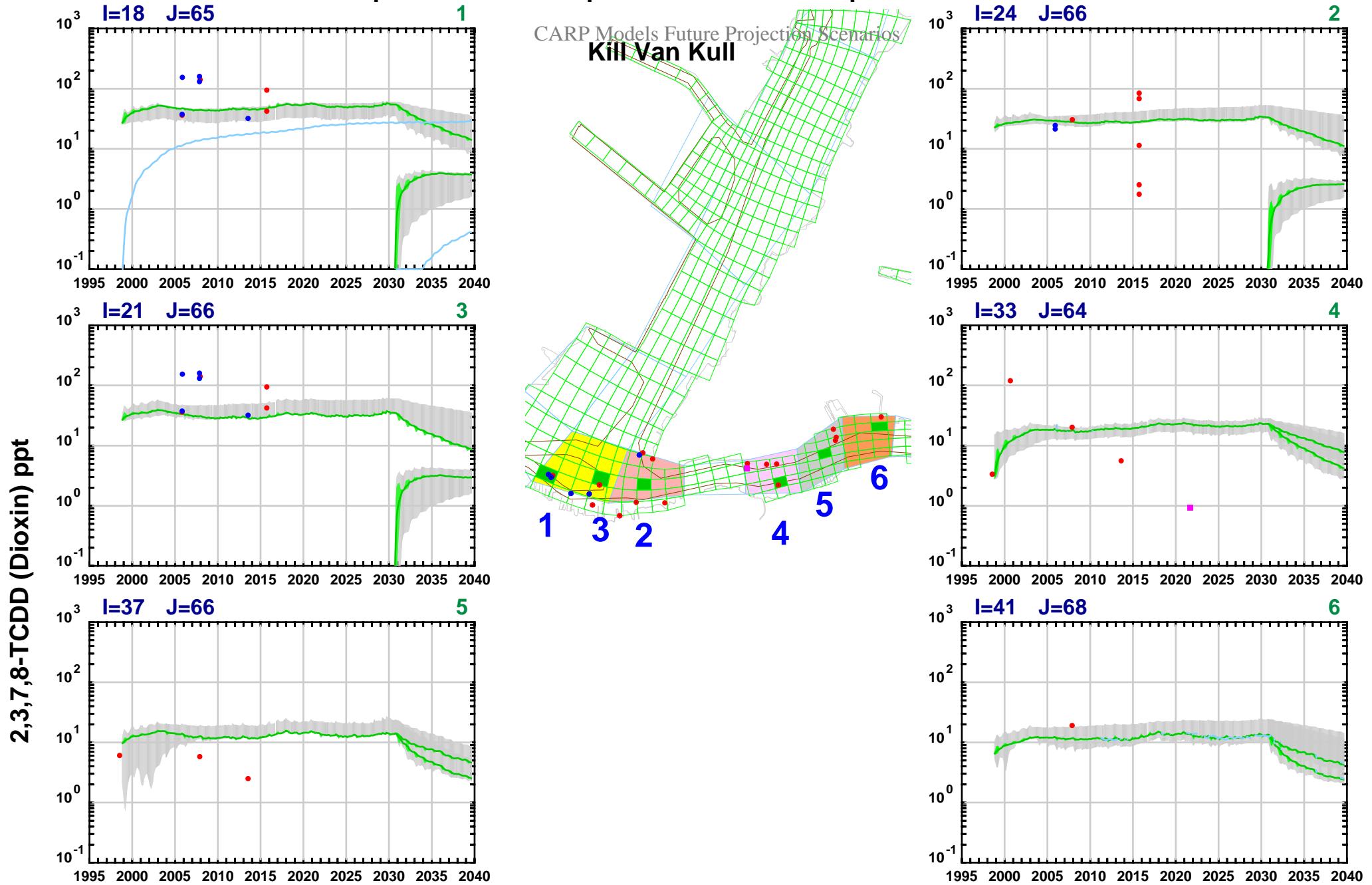
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 9 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

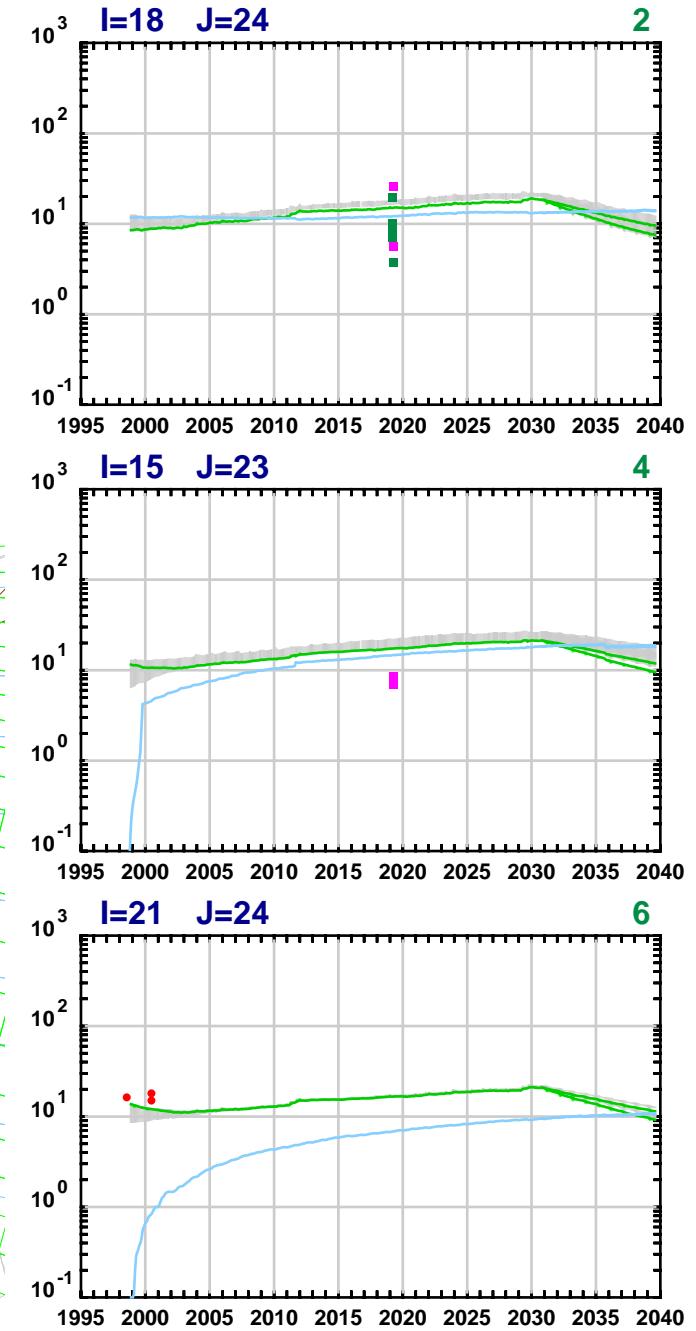
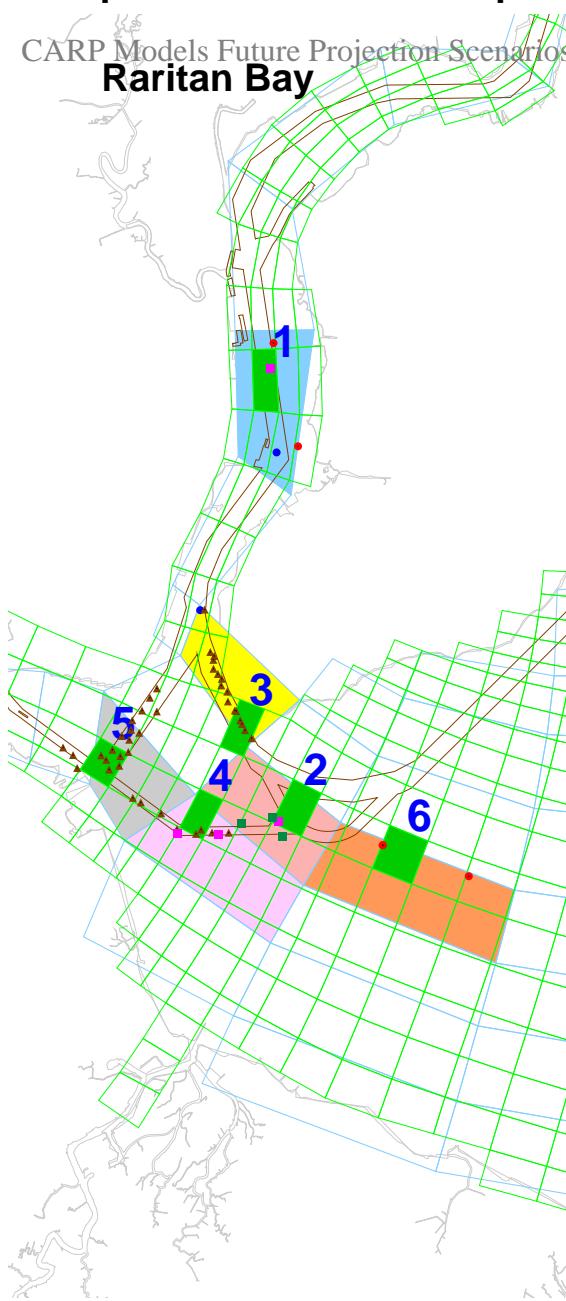
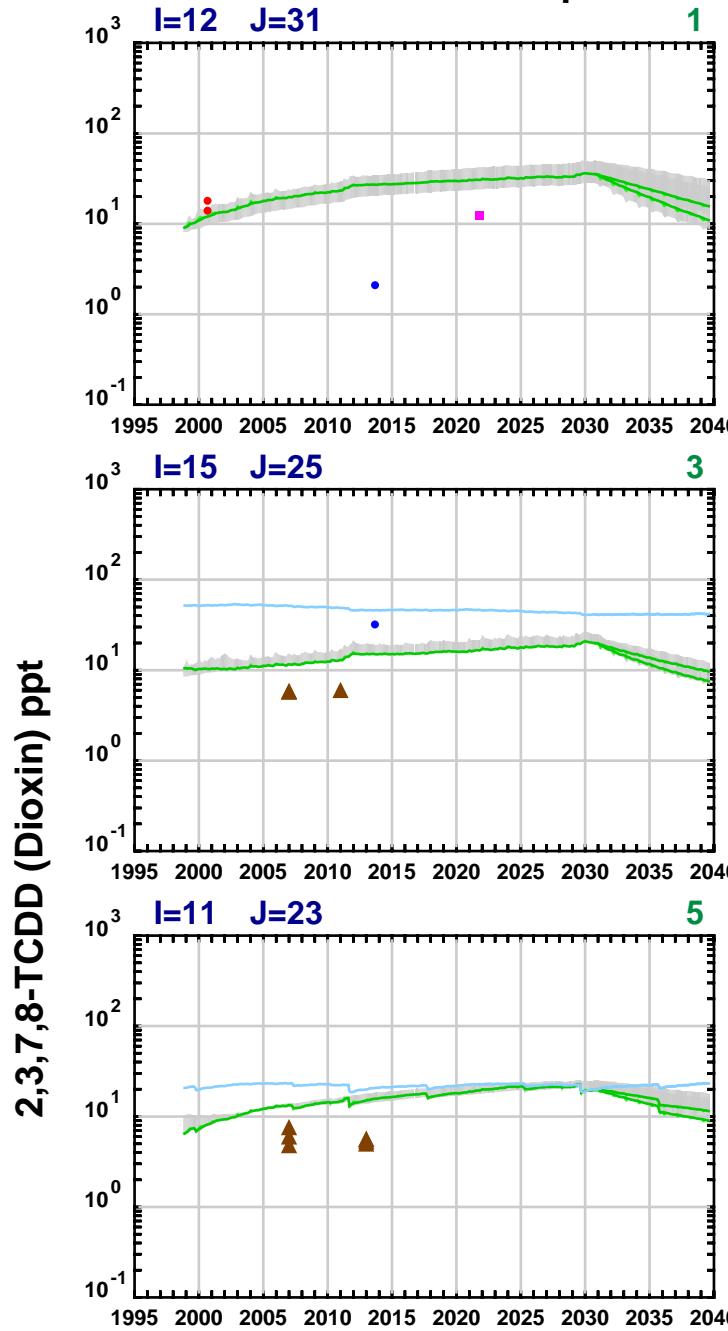
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 10 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

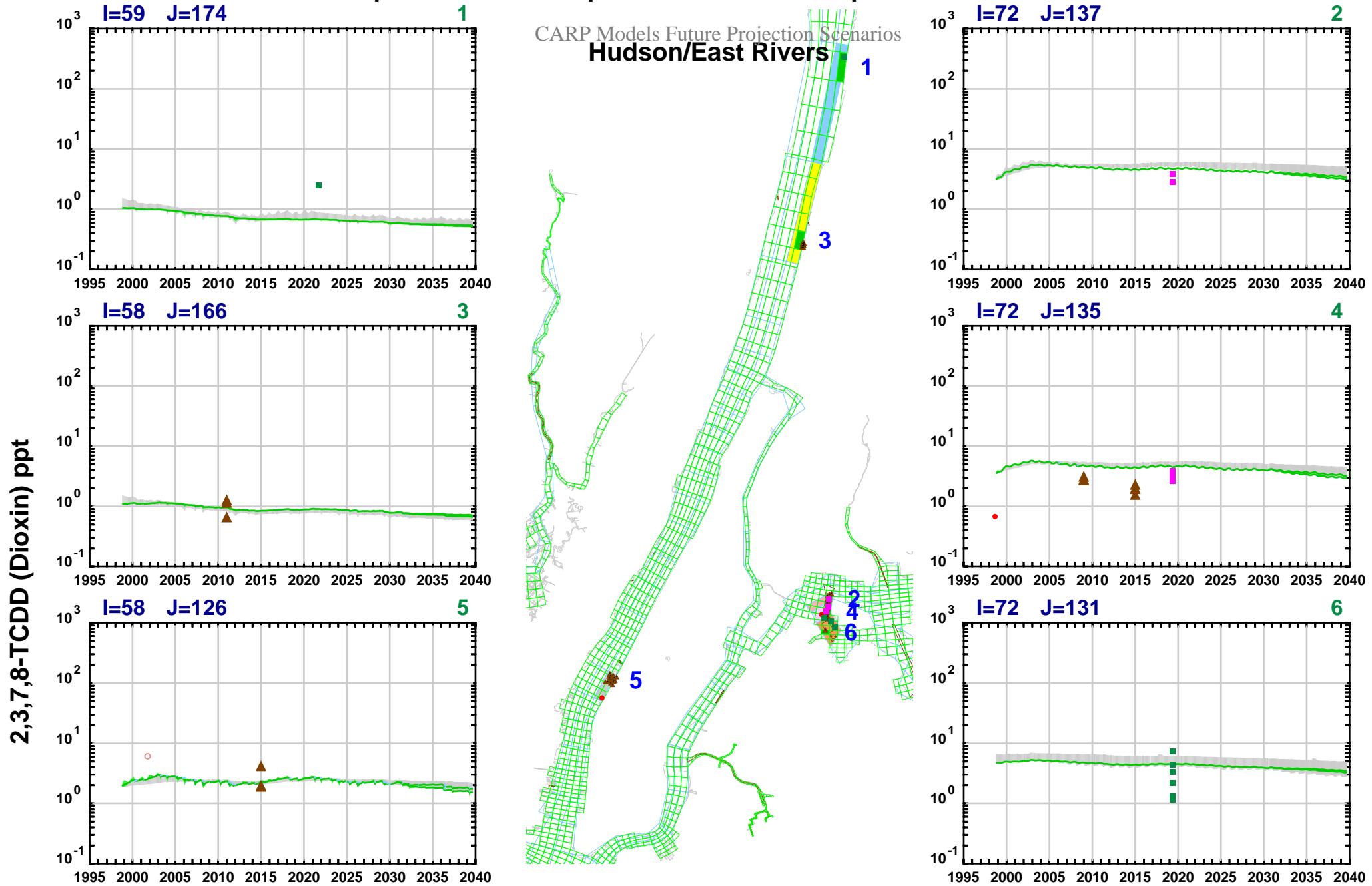
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 11 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

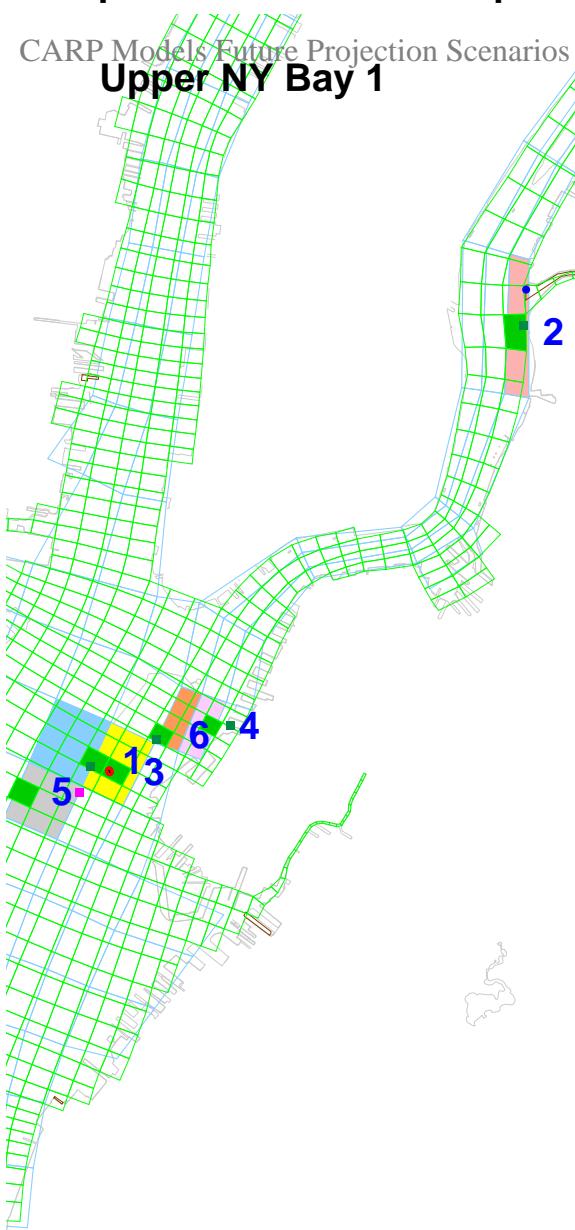
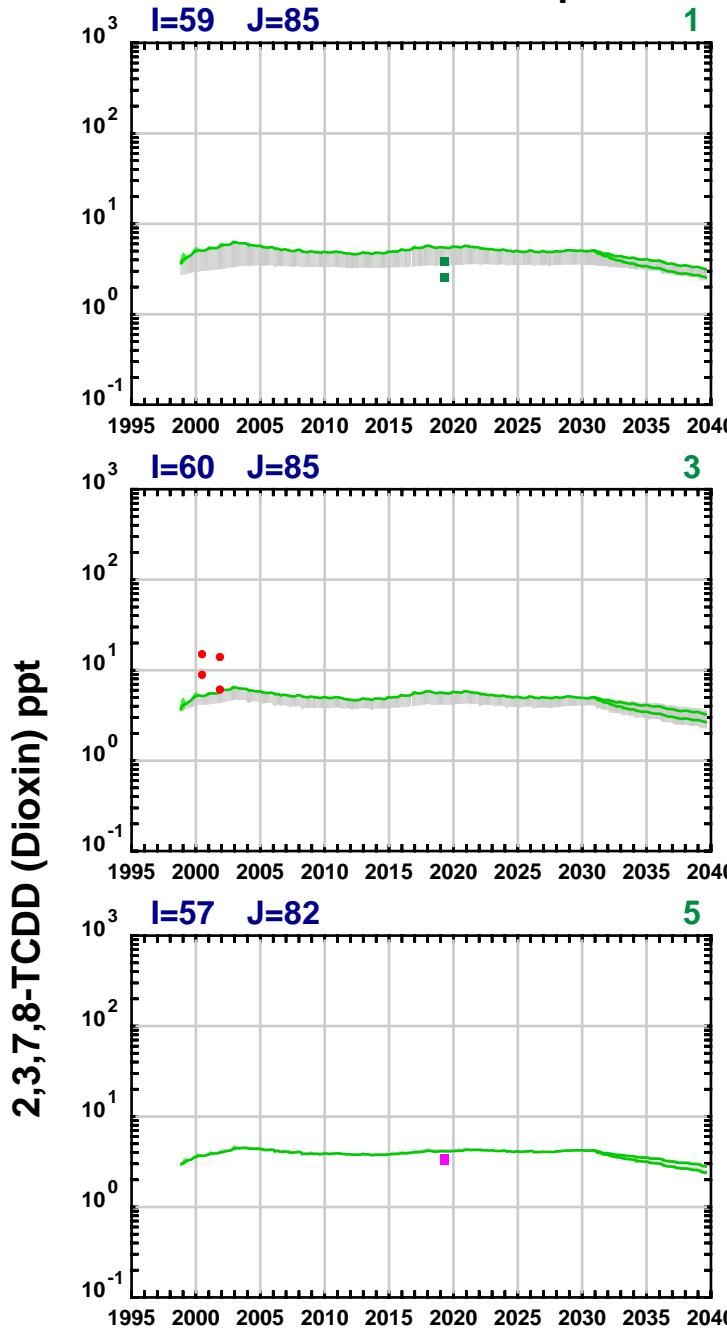
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 12 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

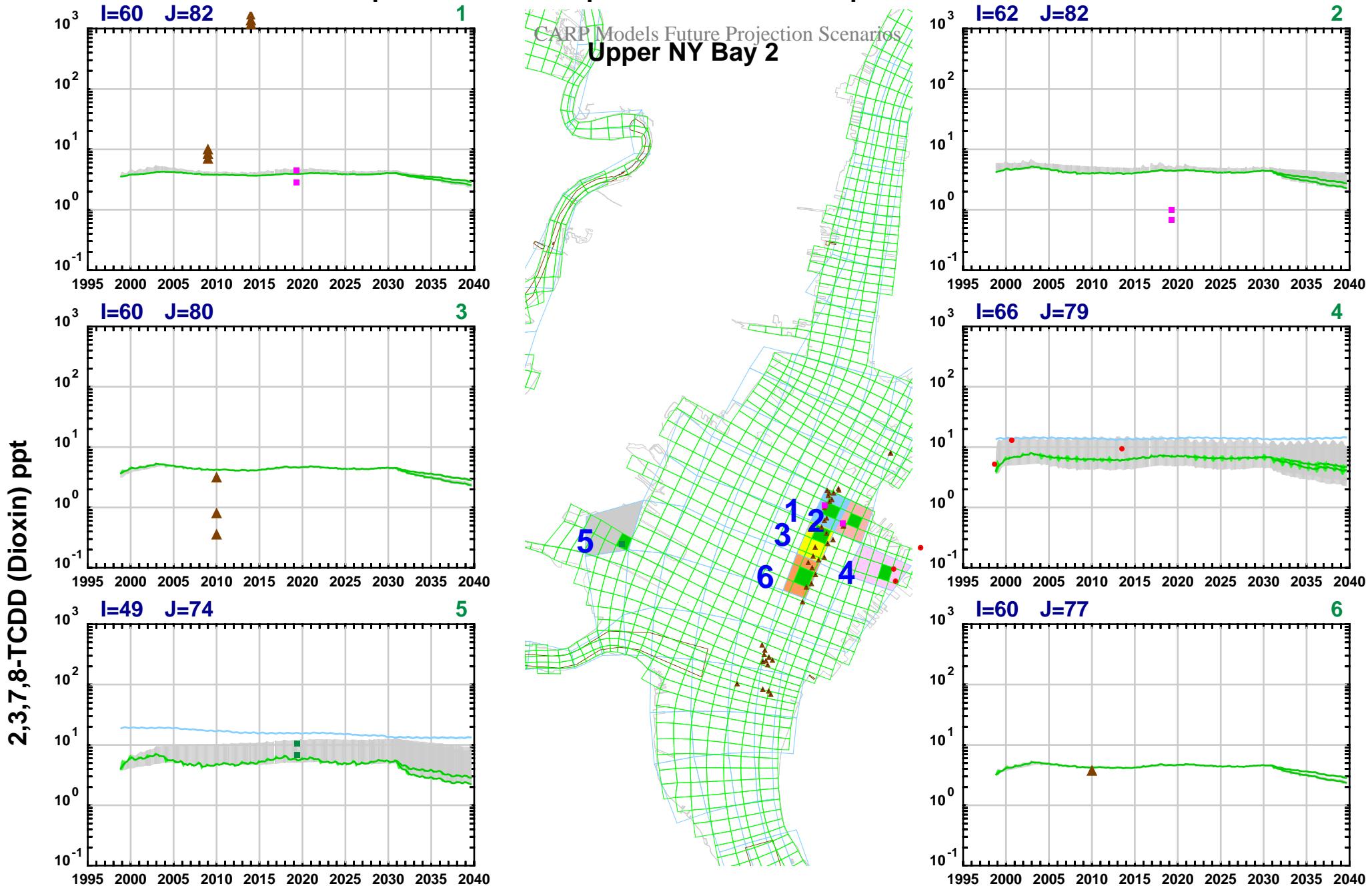
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 13 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

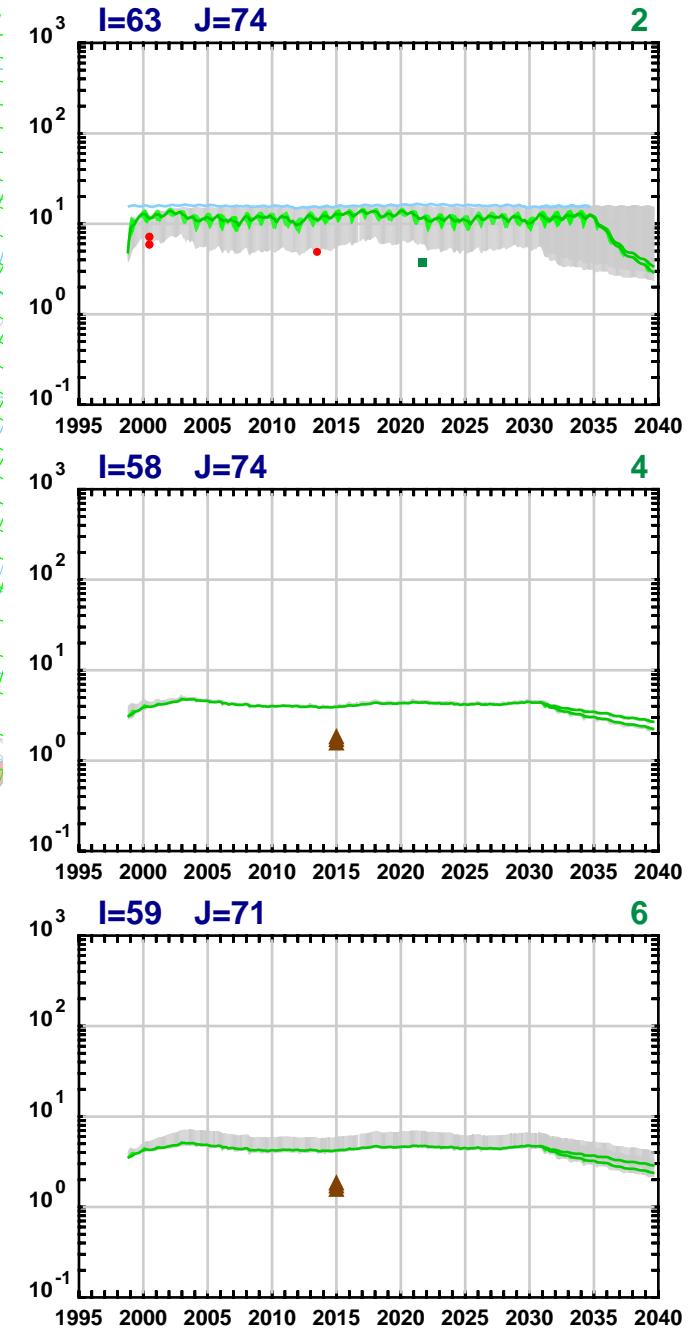
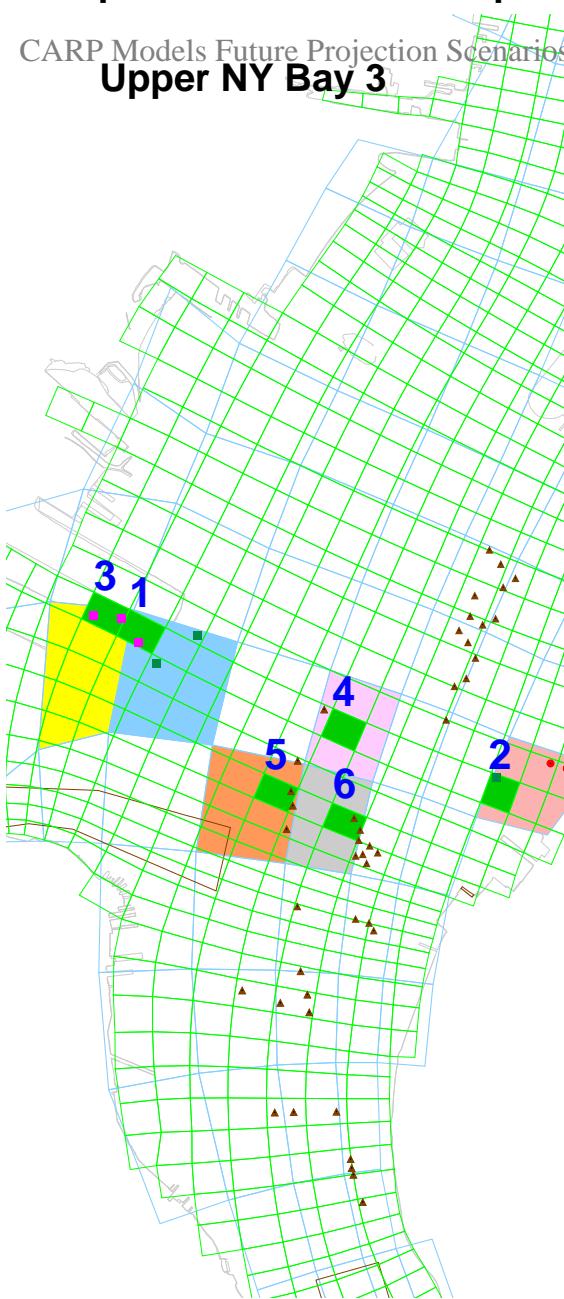
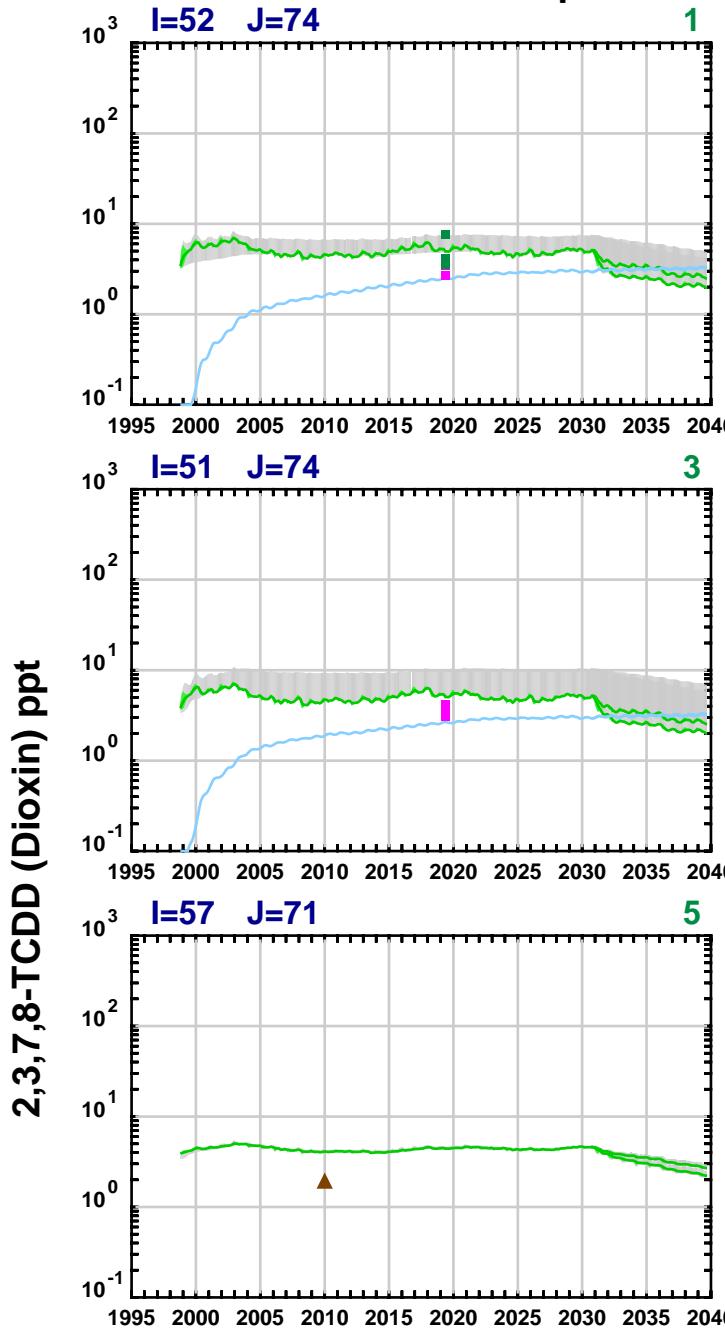
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 14 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

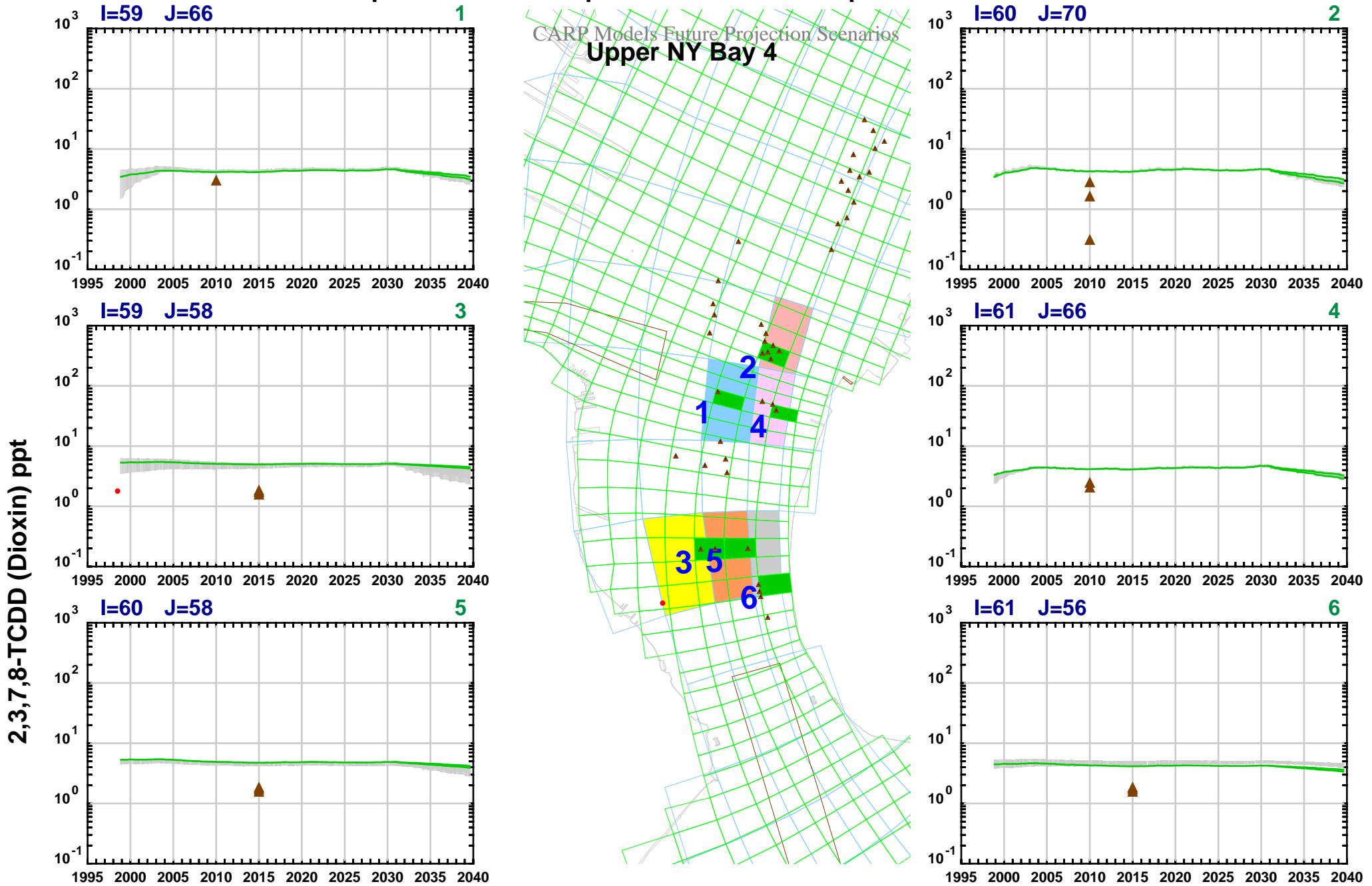
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 15 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

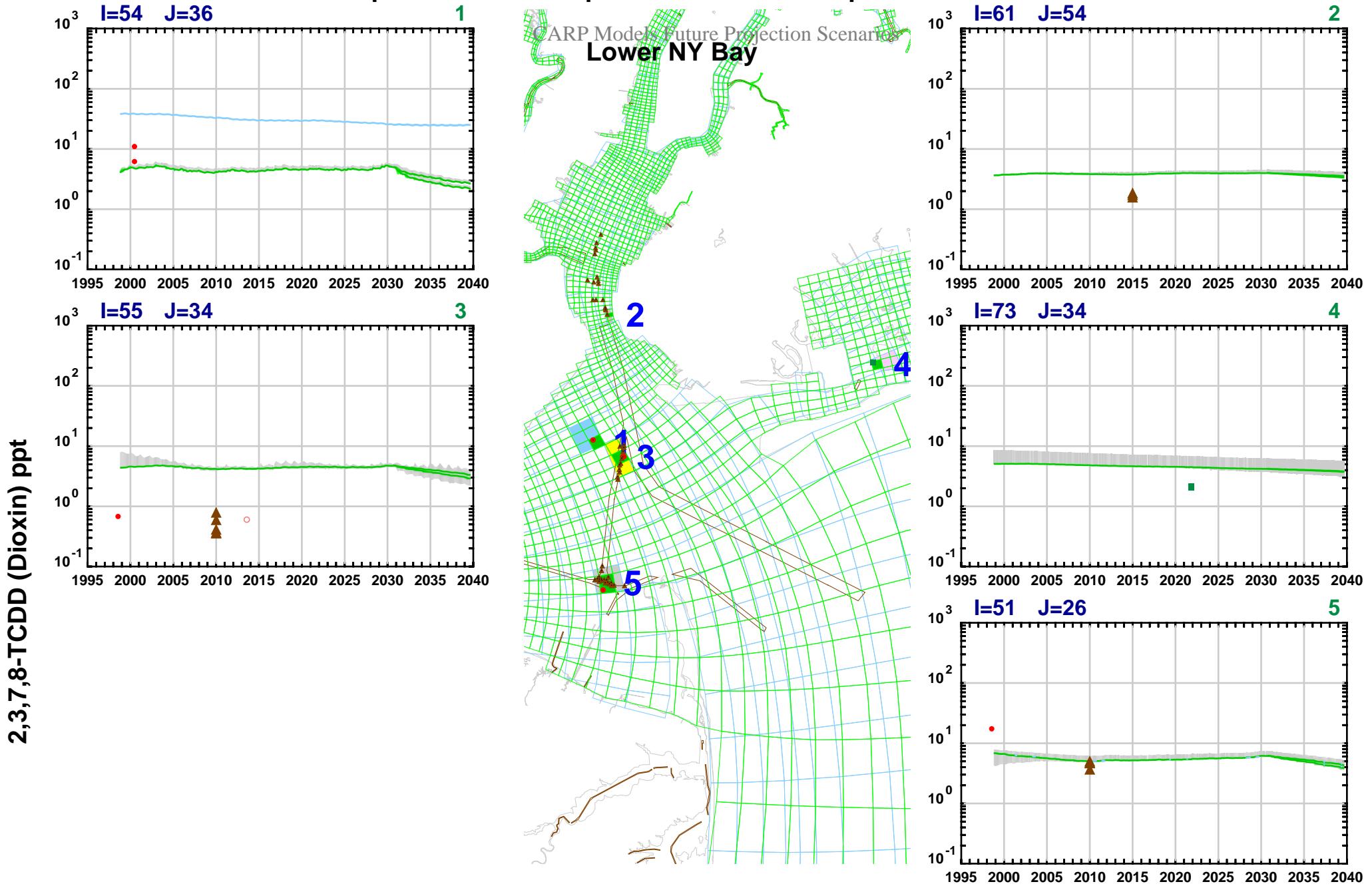
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 16 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

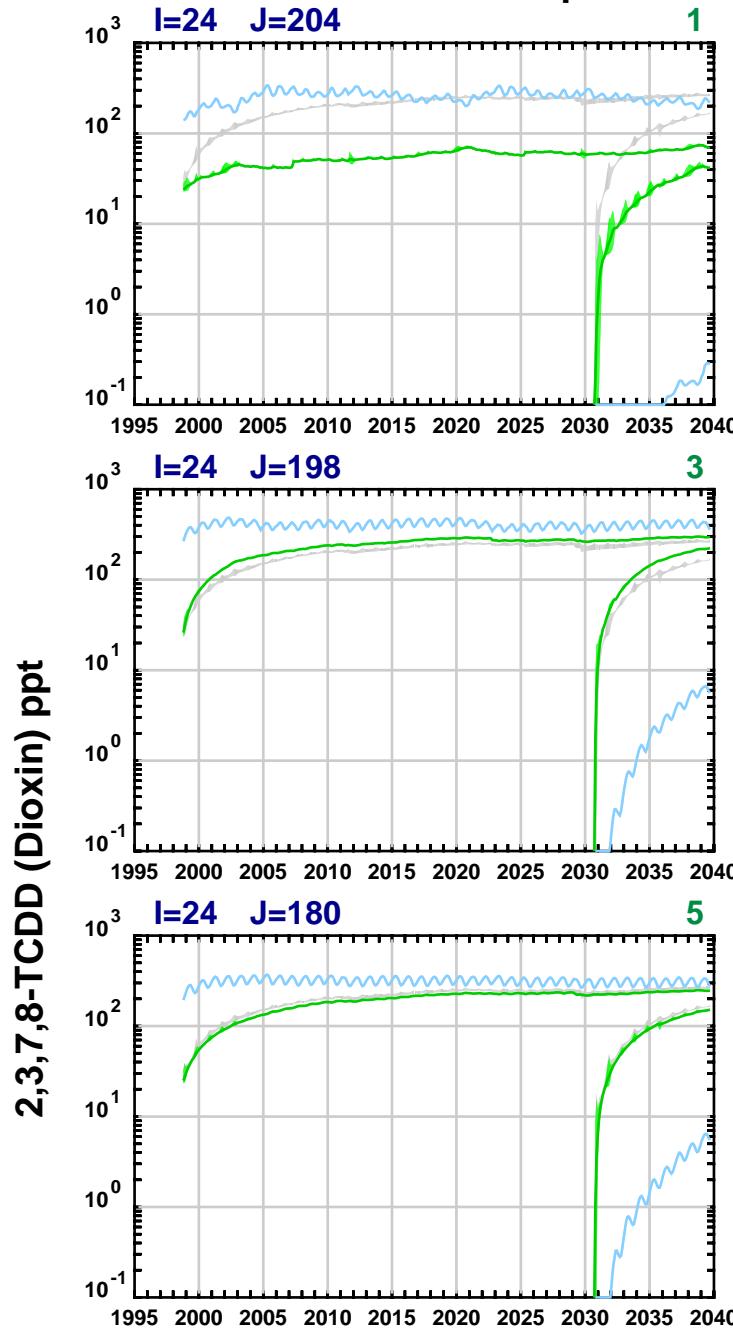
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

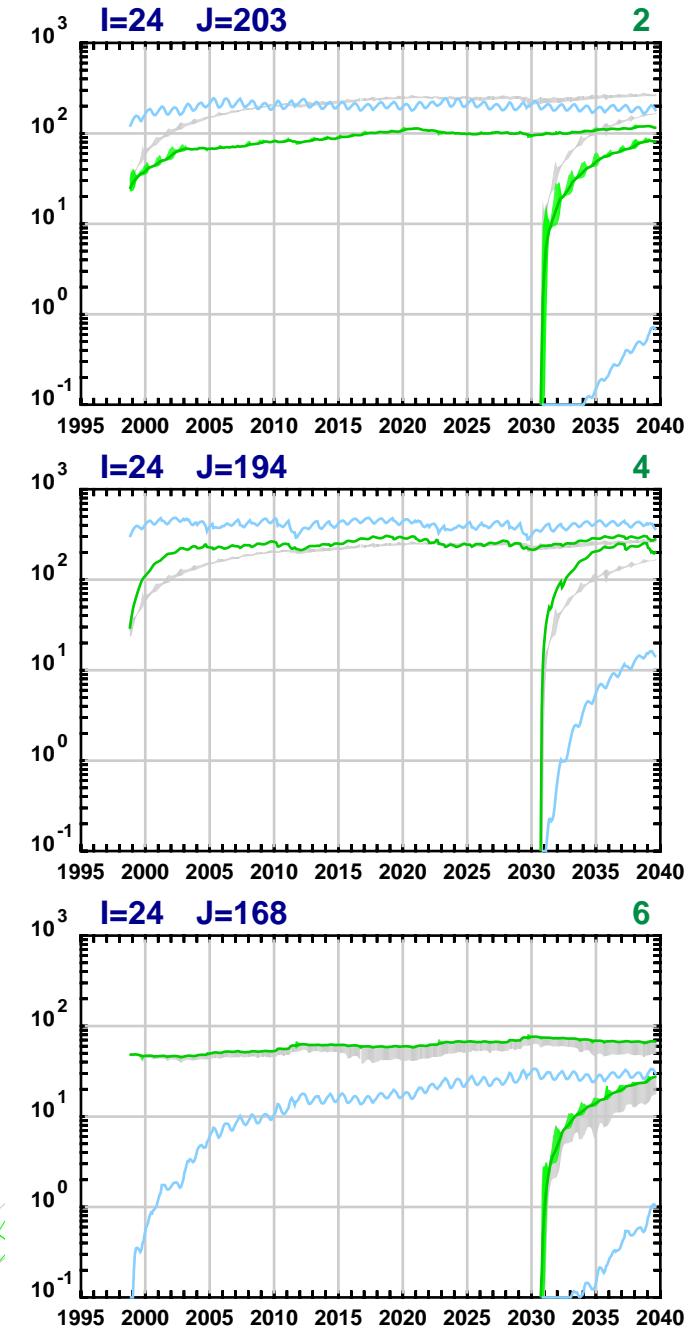
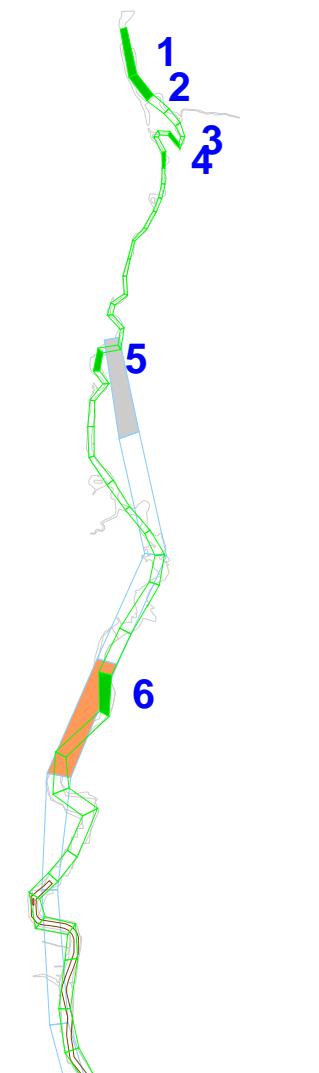
Appendix 1 Page 17 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

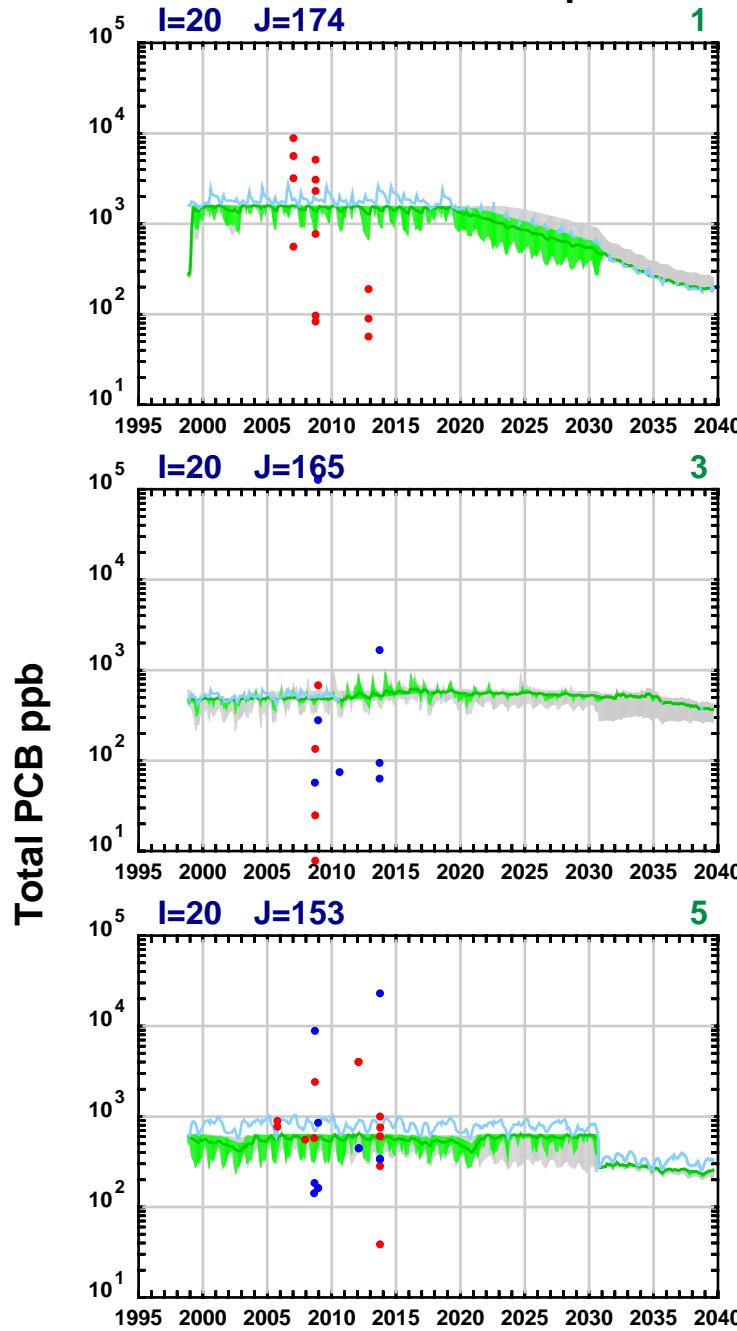
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

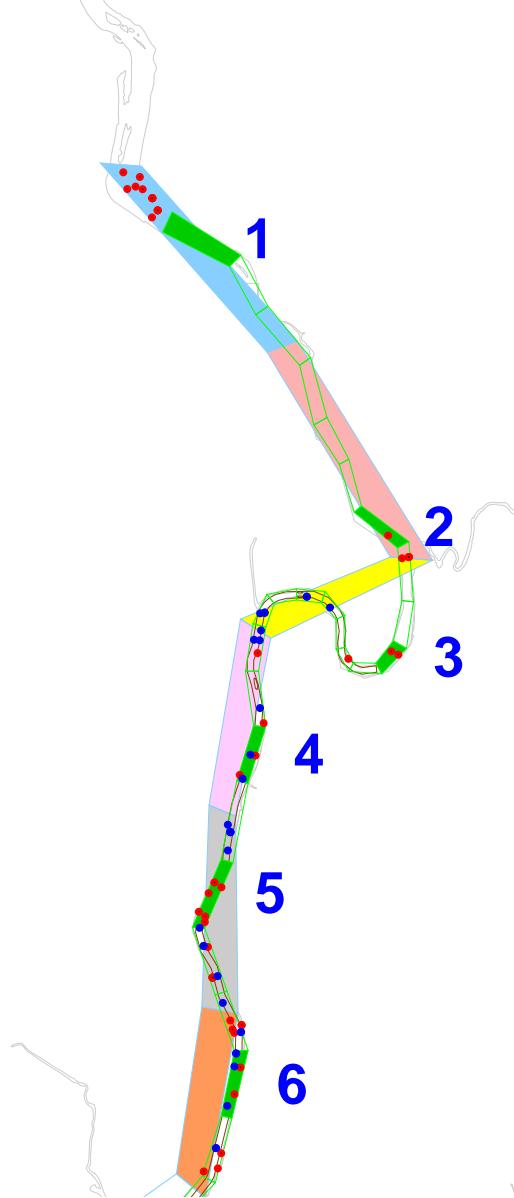
Appendix 1 Page 18 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

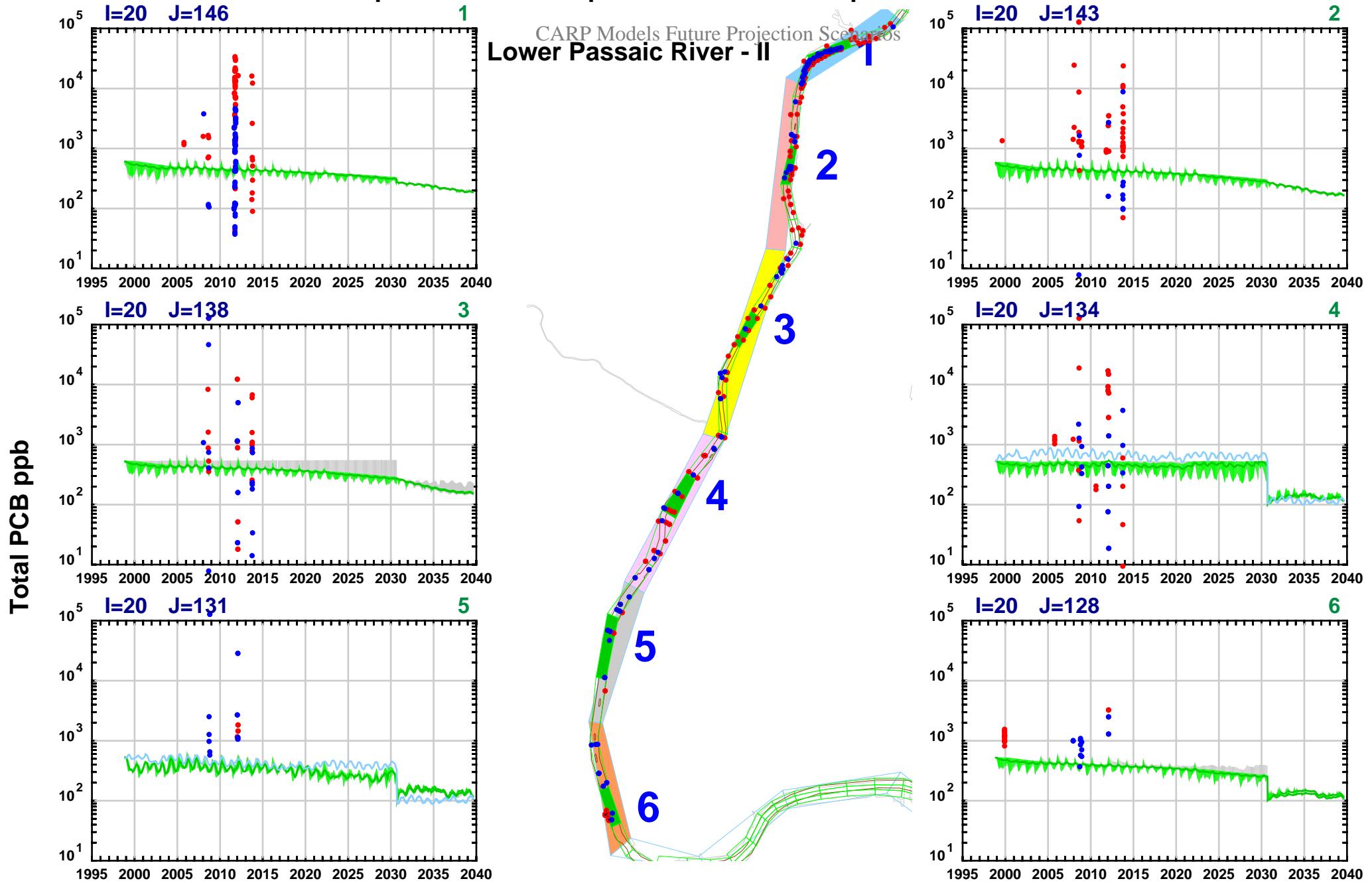
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 19 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

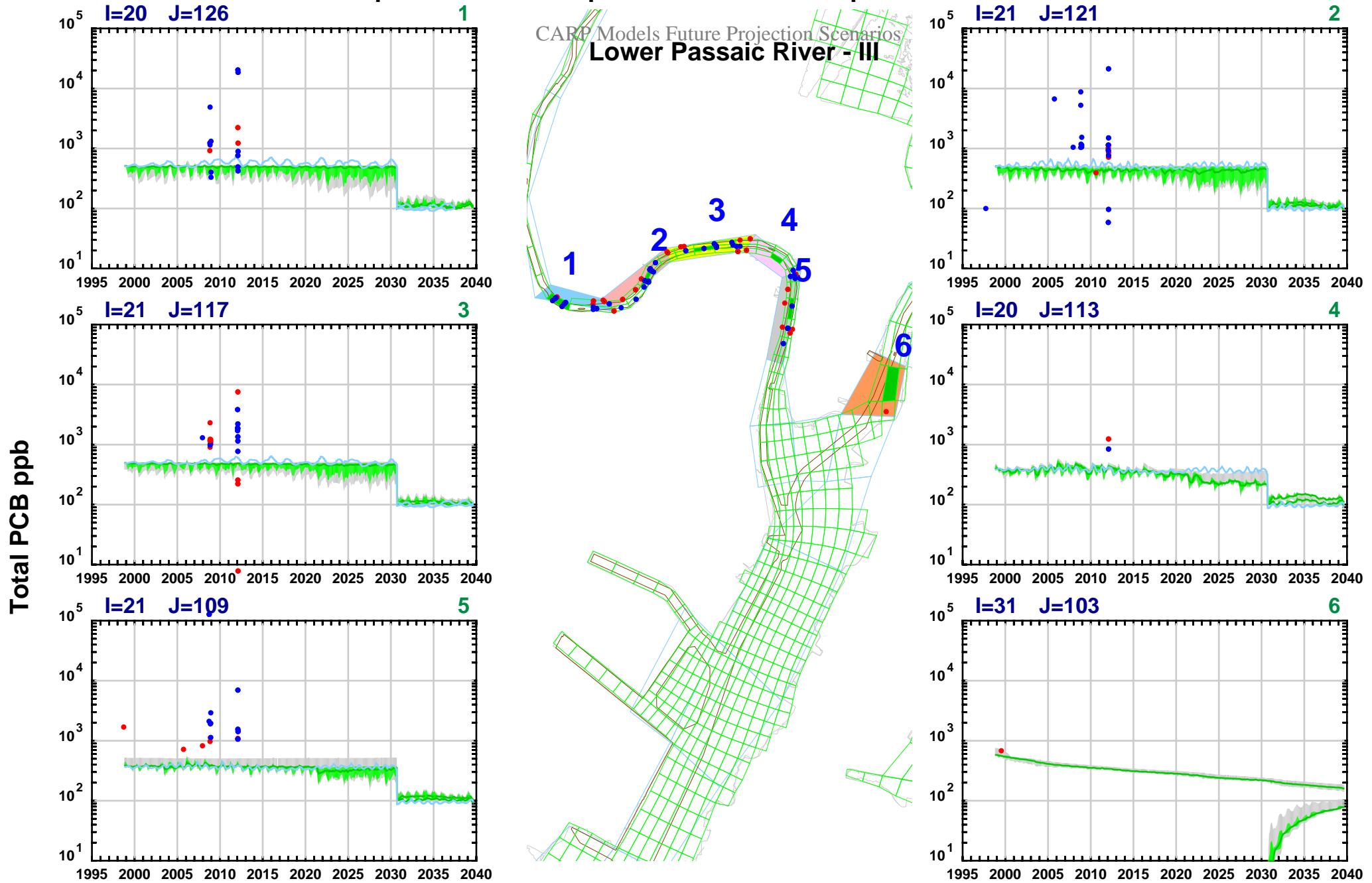
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 20 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

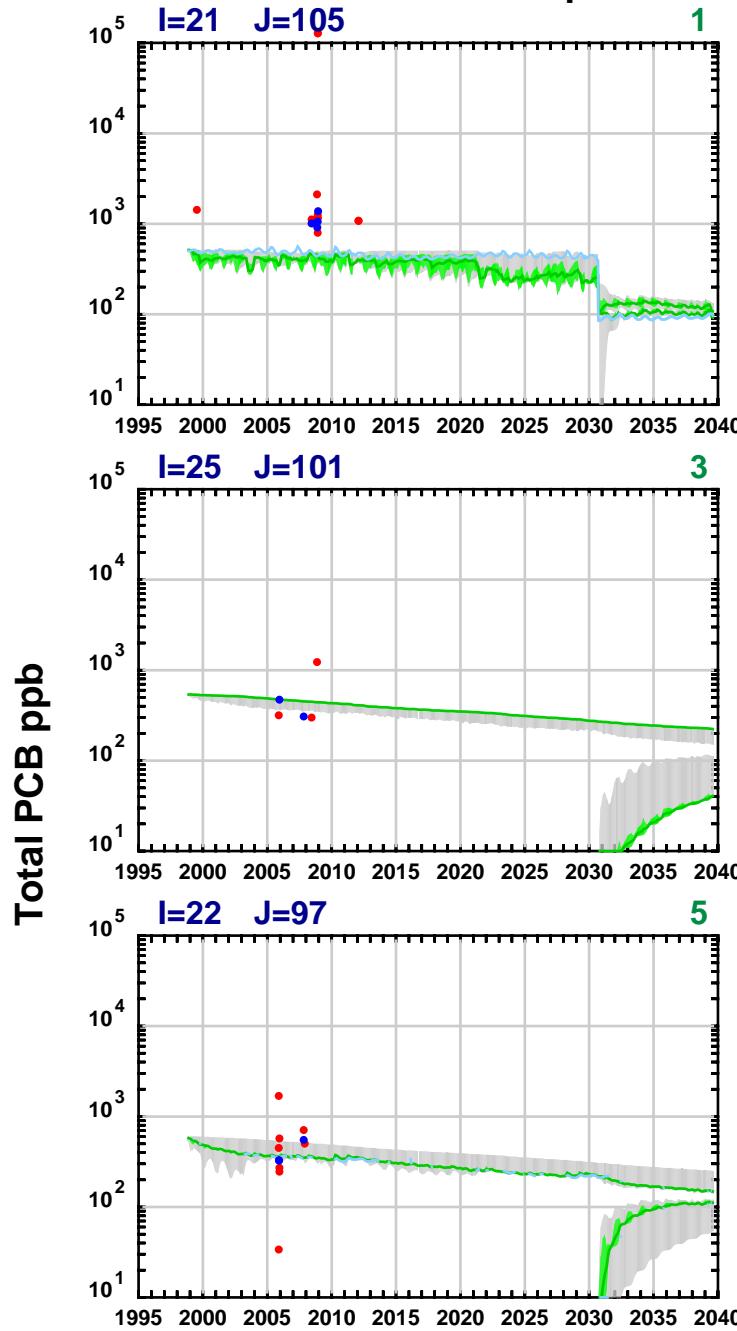
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

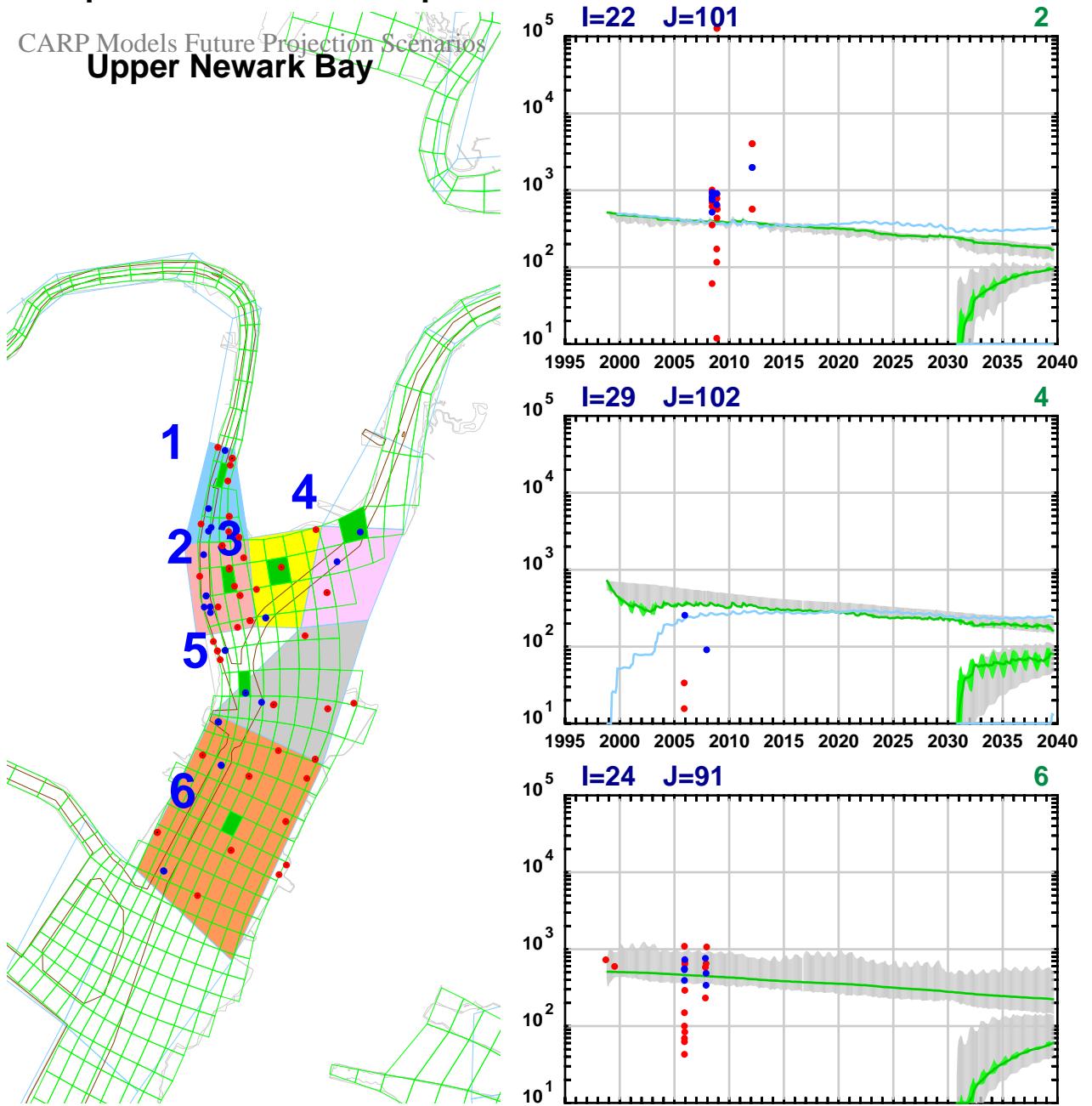
Appendix 1 Page 21 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

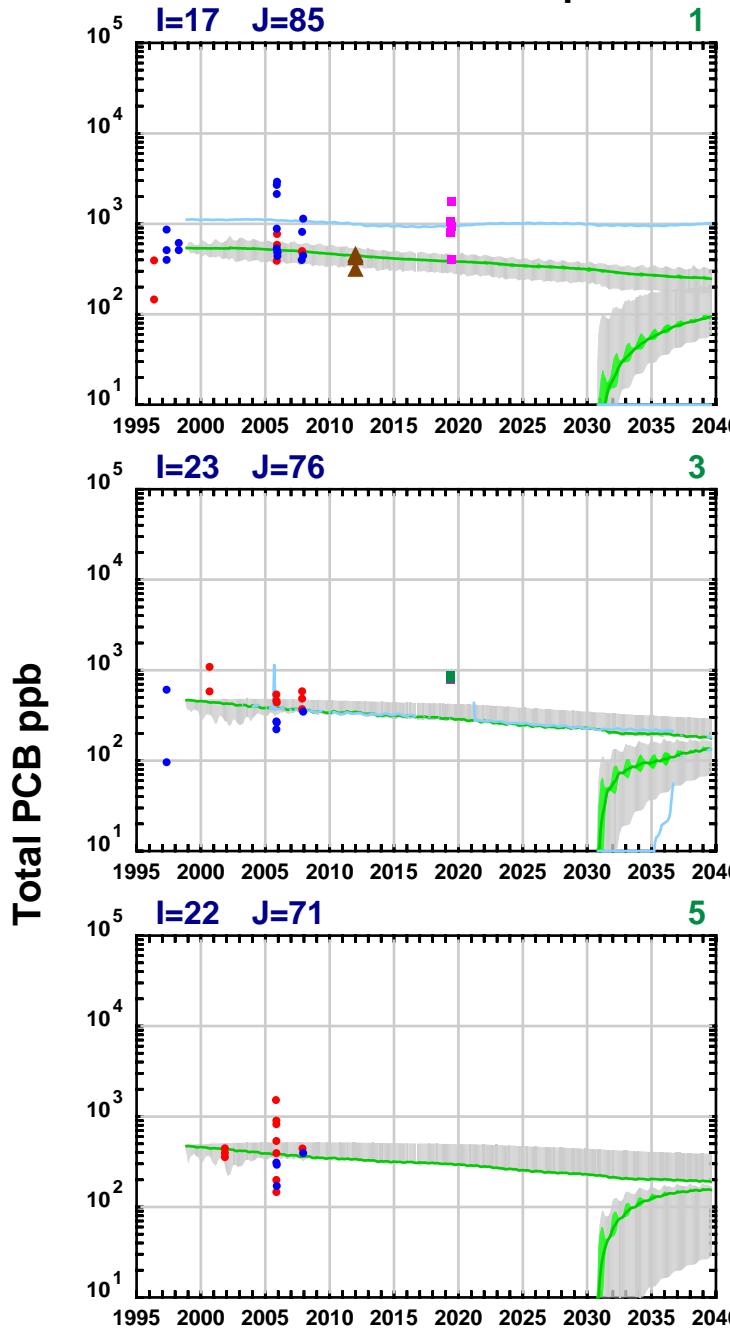
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

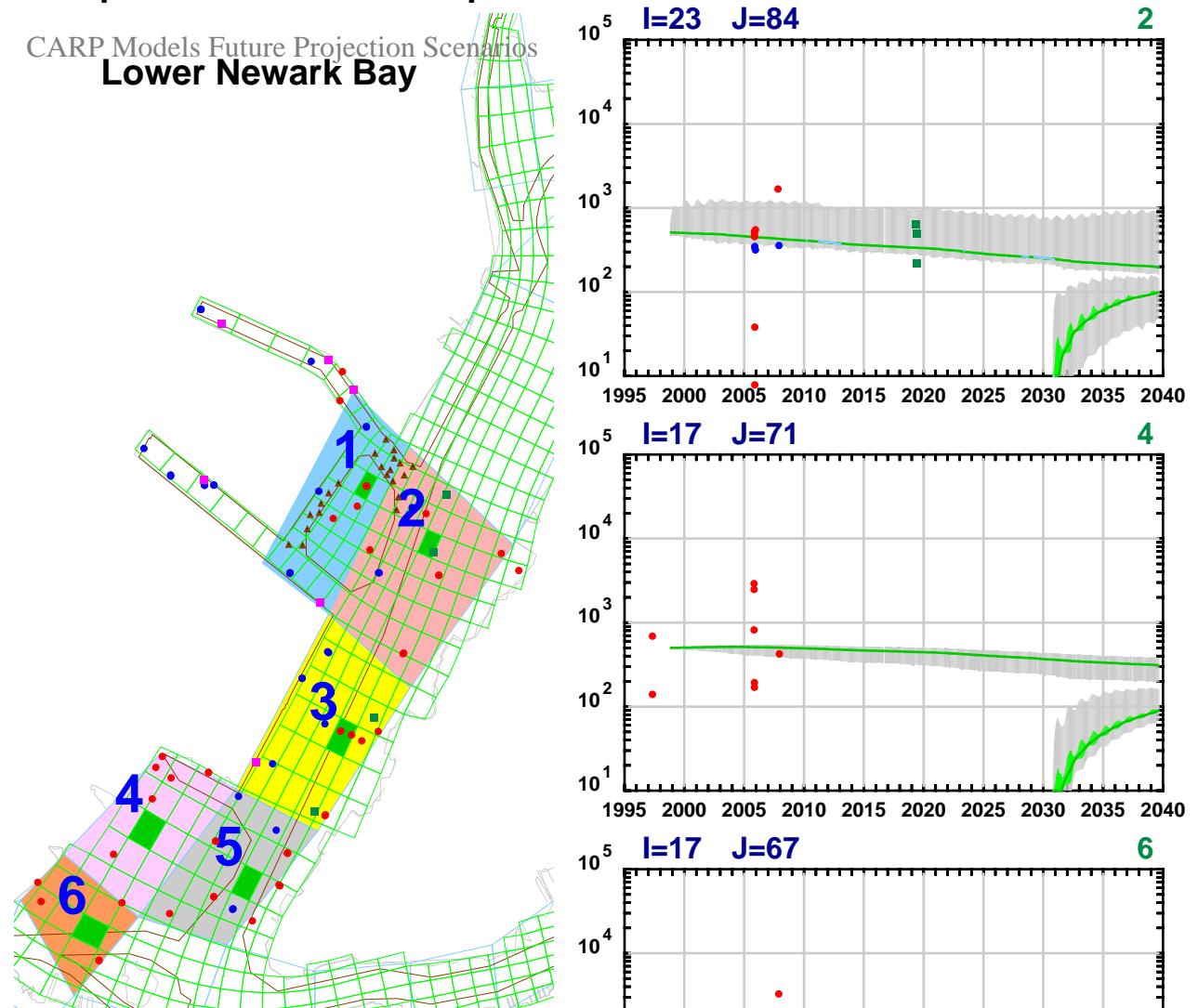
Appendix 1 Page 22 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

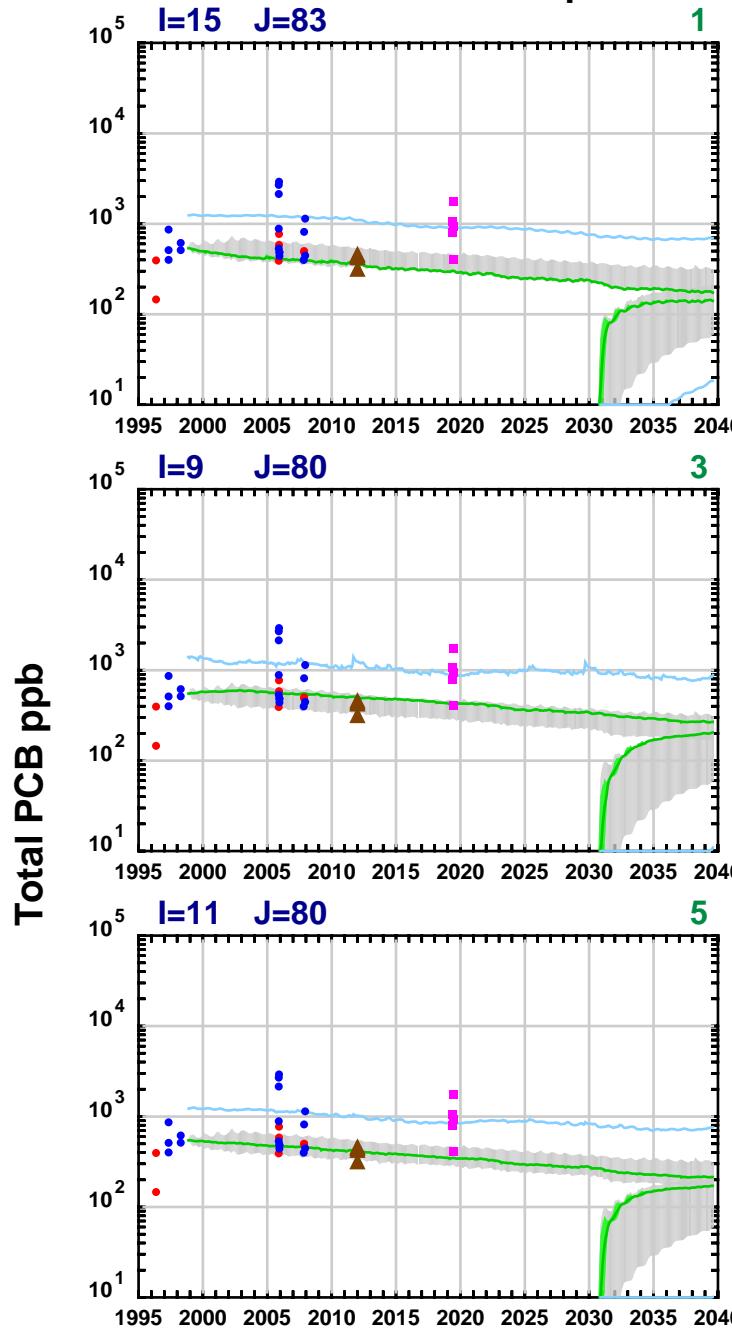
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

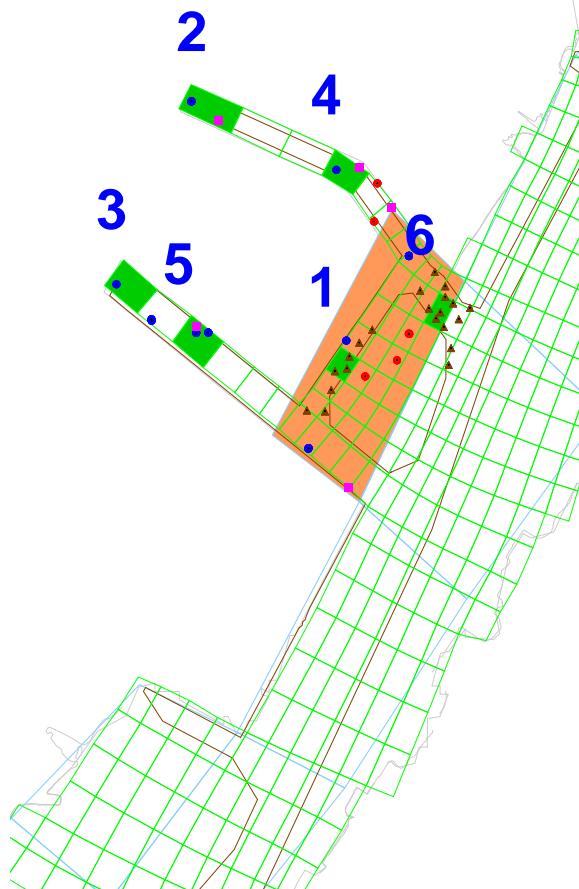
Appendix 1 Page 23 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

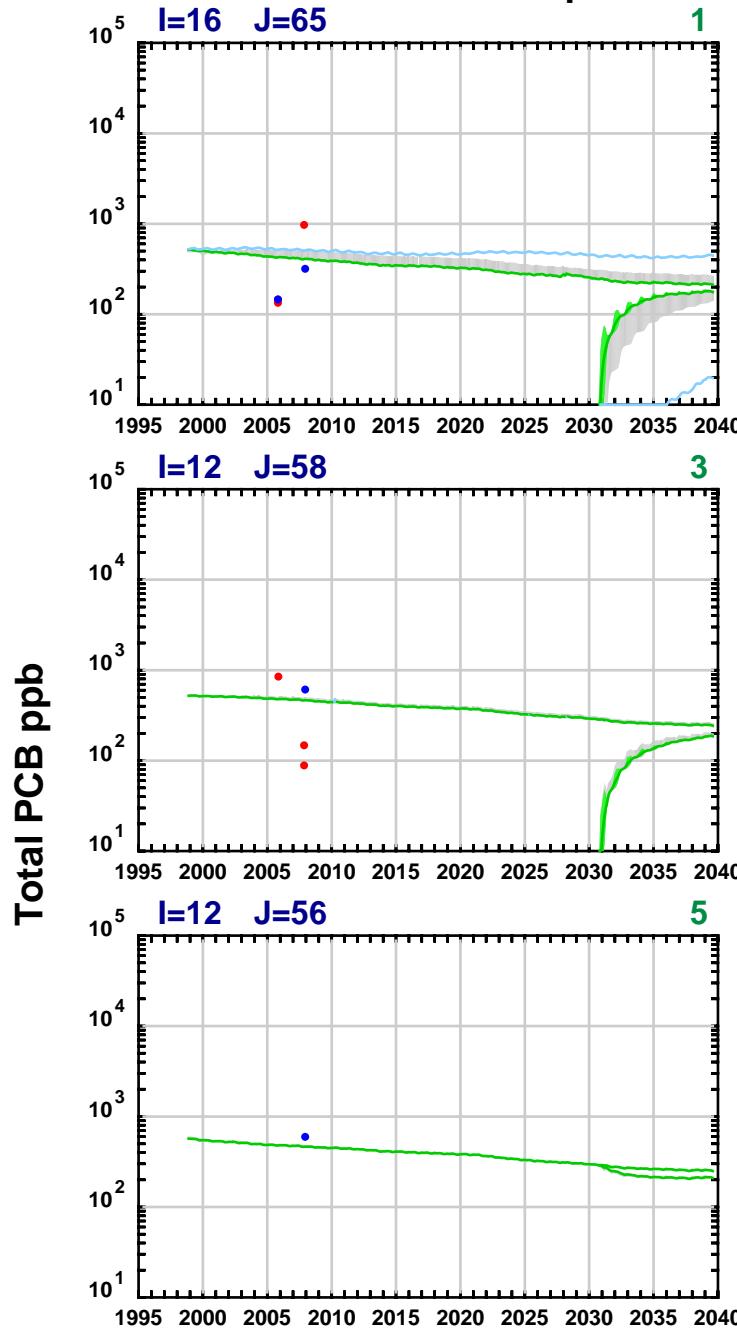
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

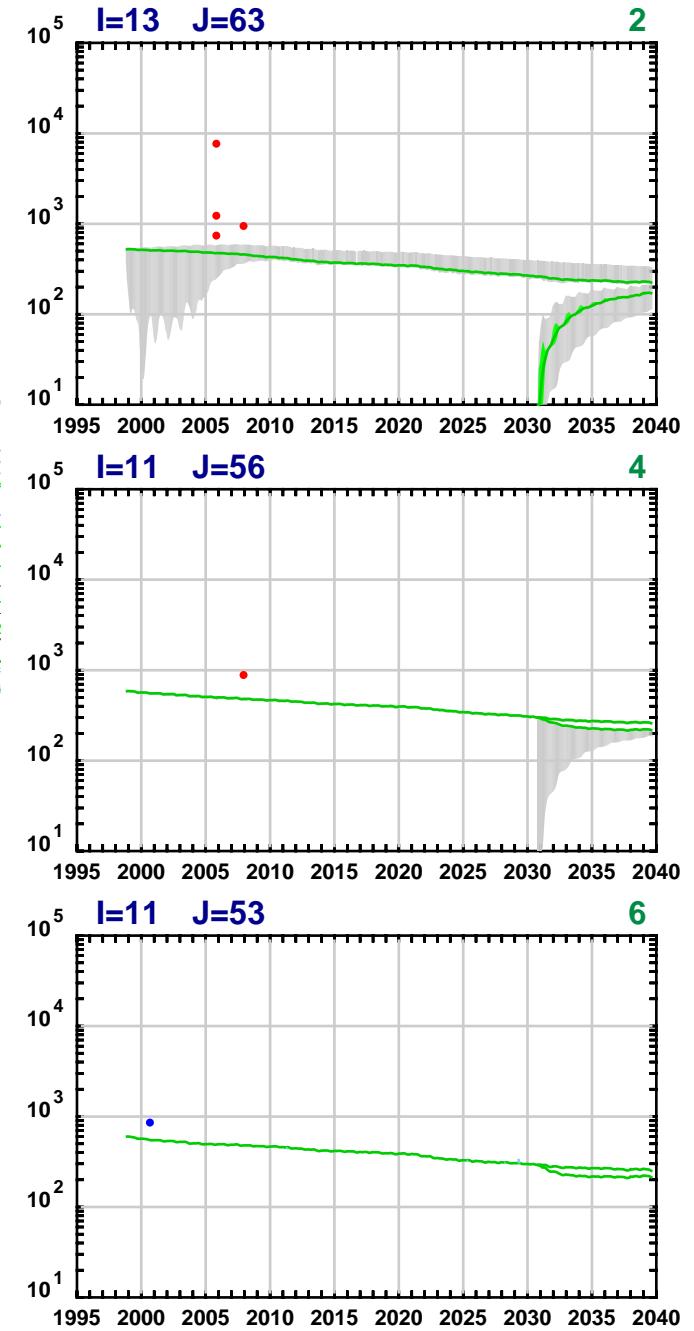
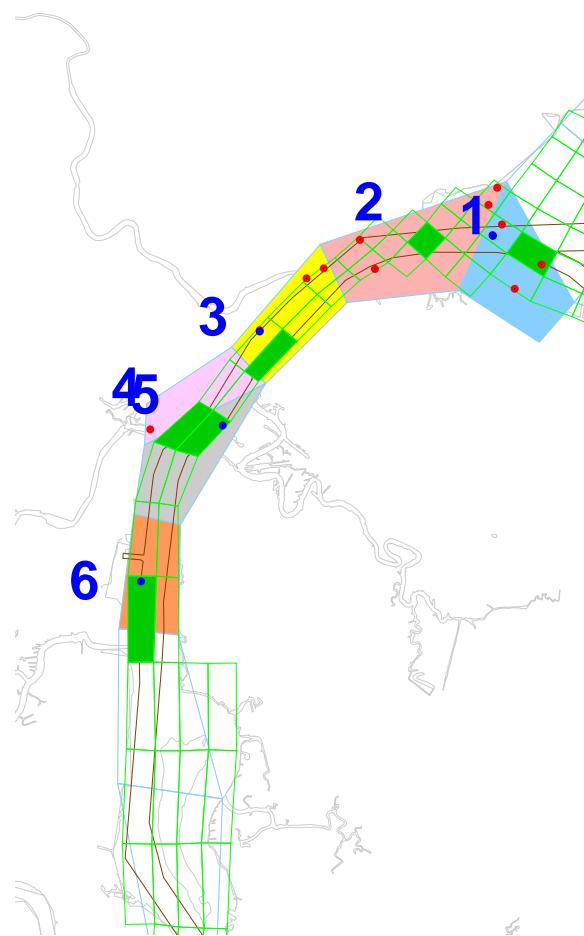
Appendix 1 Page 24 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

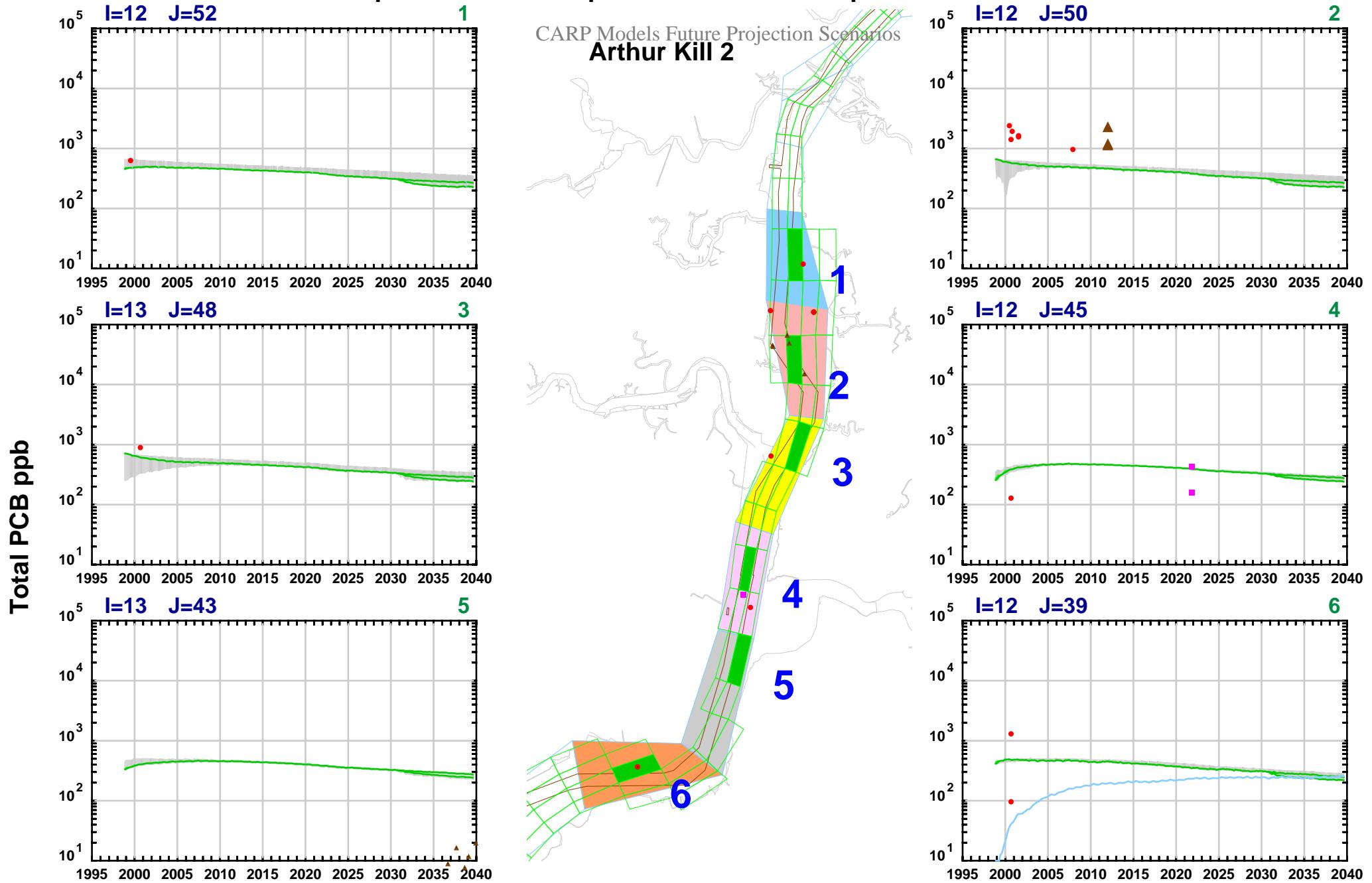
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 25 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

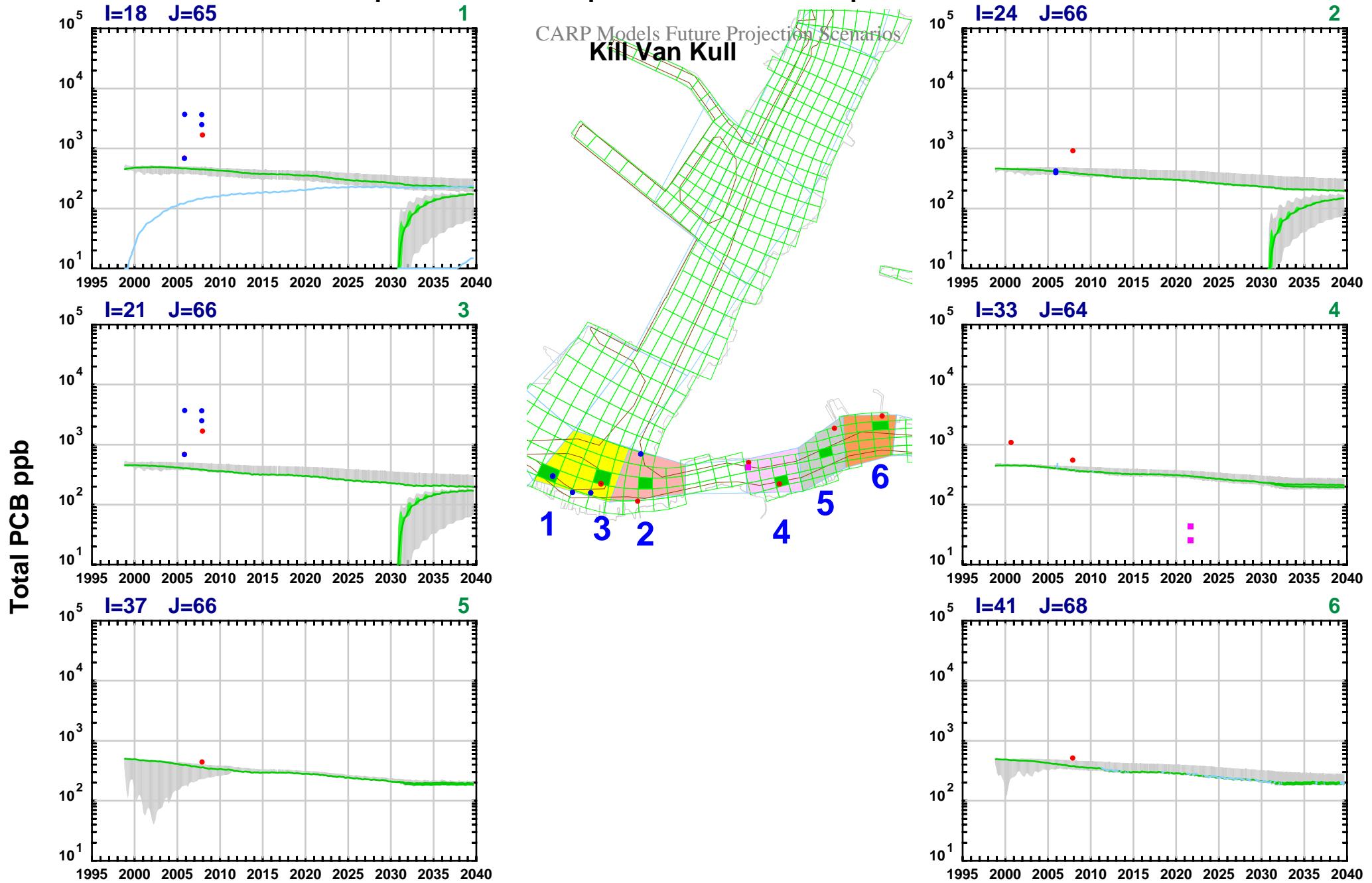
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 26 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

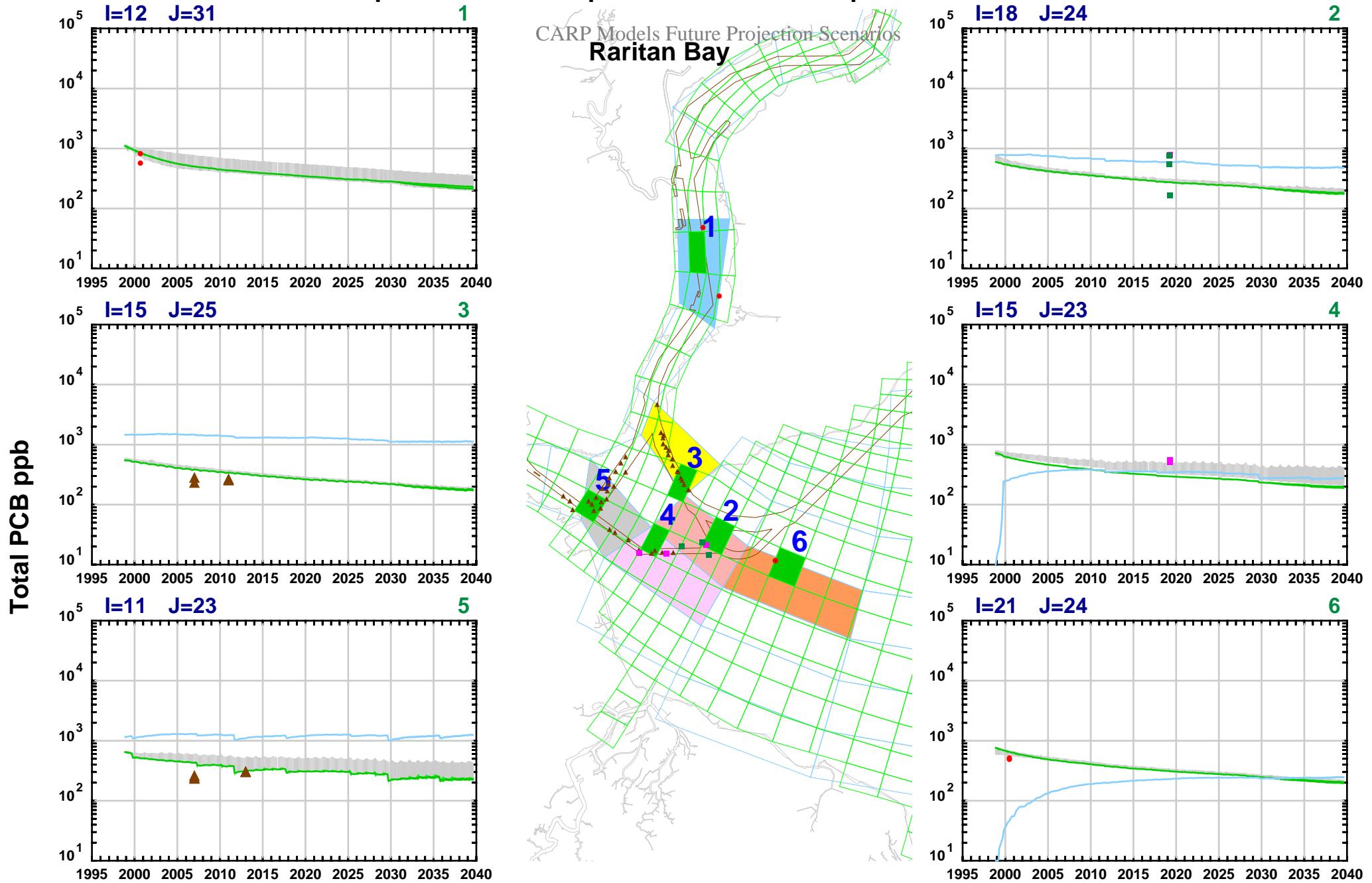
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 27 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

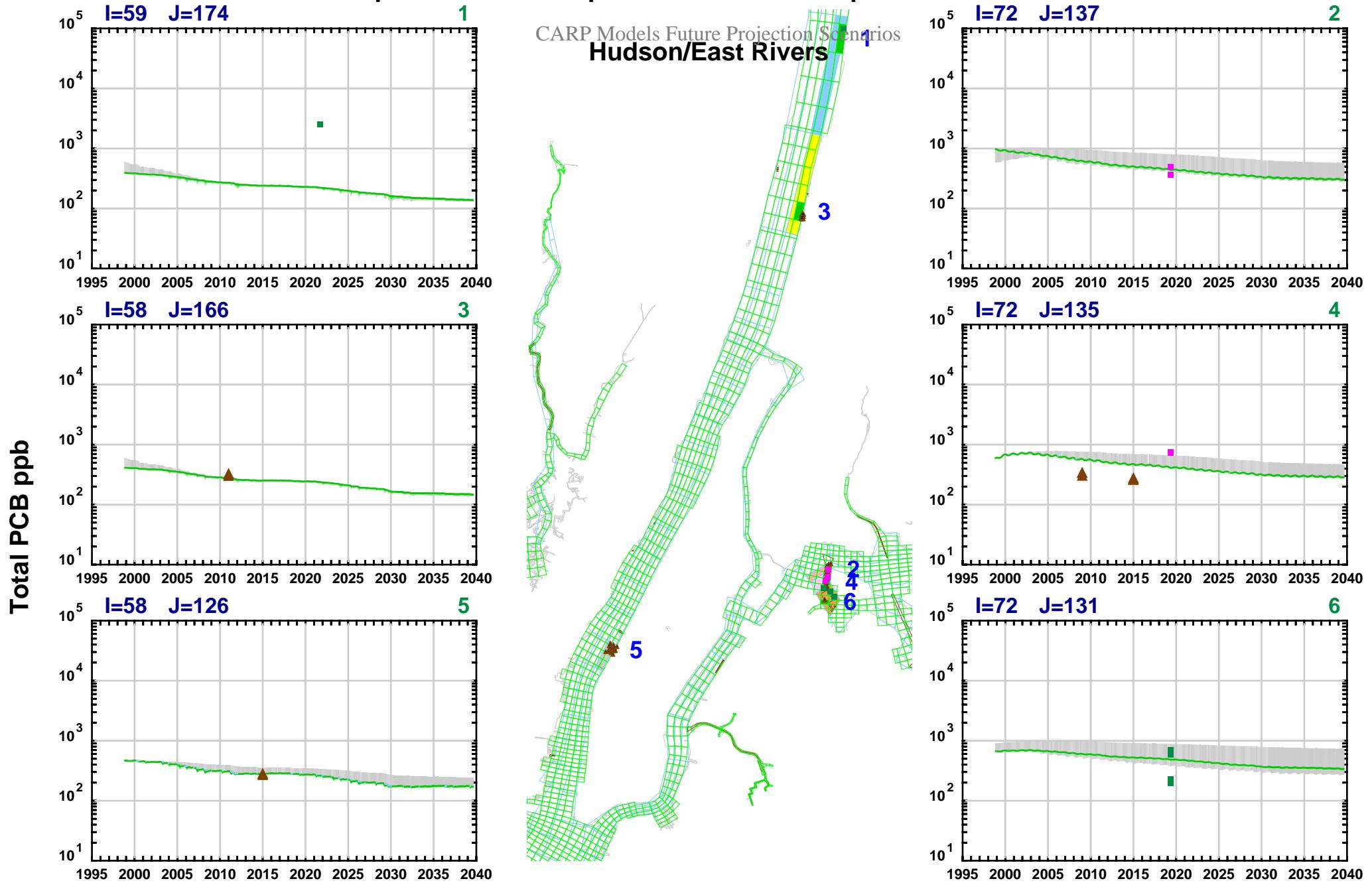
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 28 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

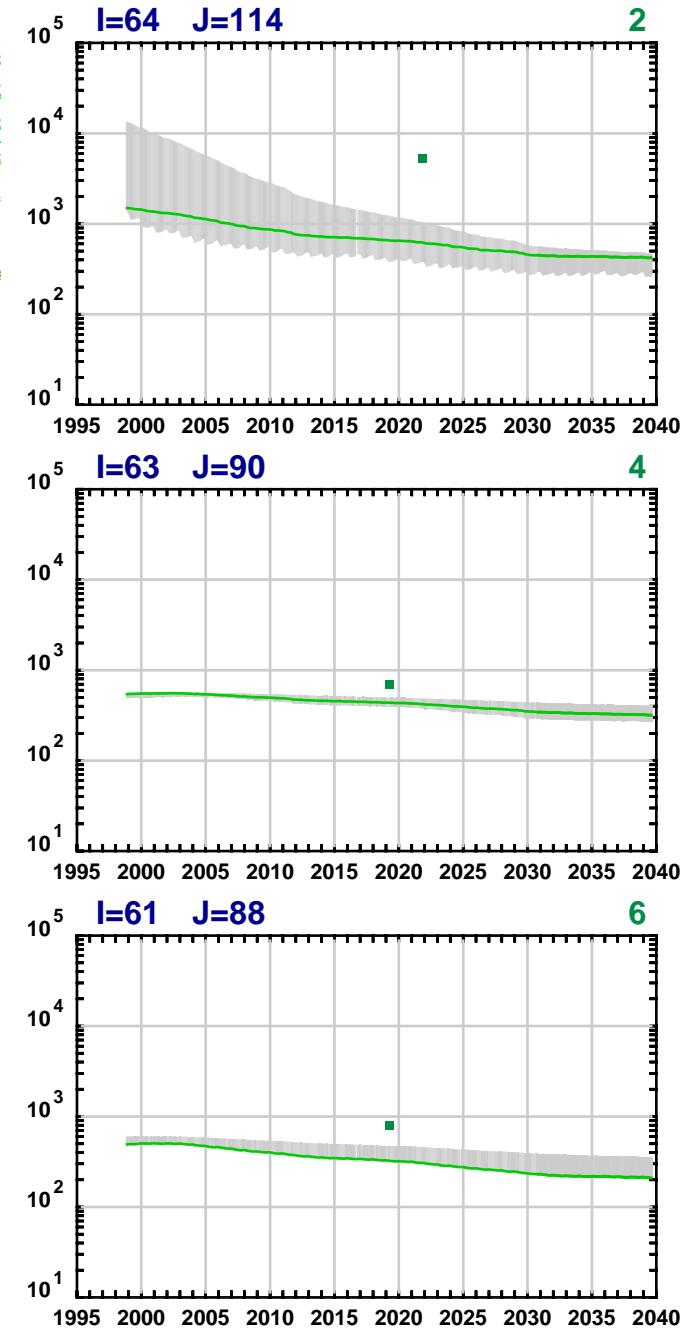
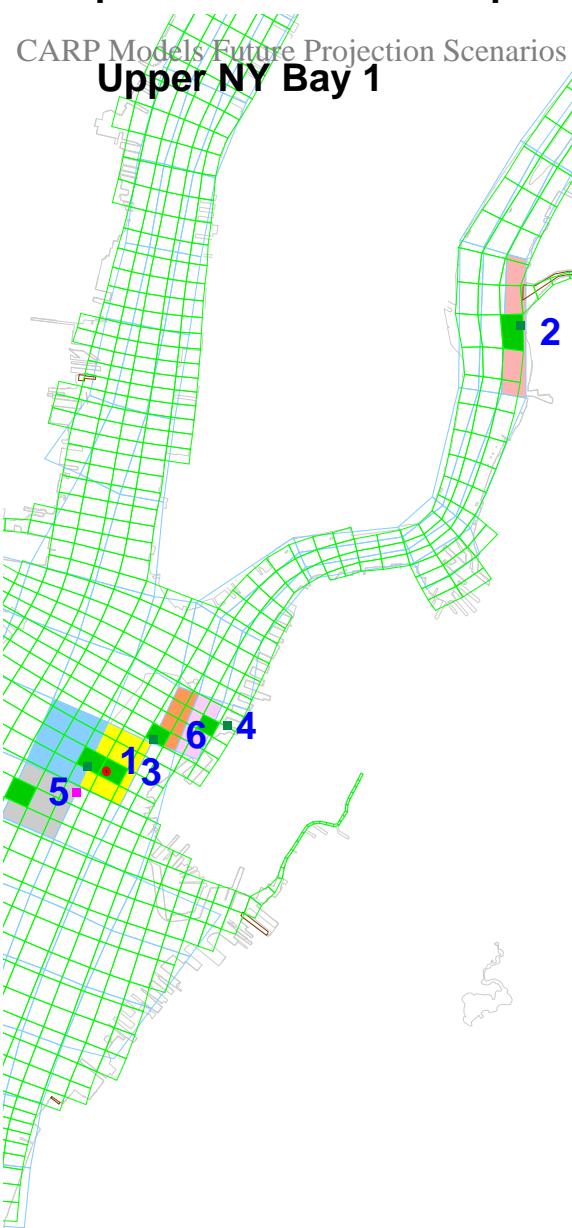
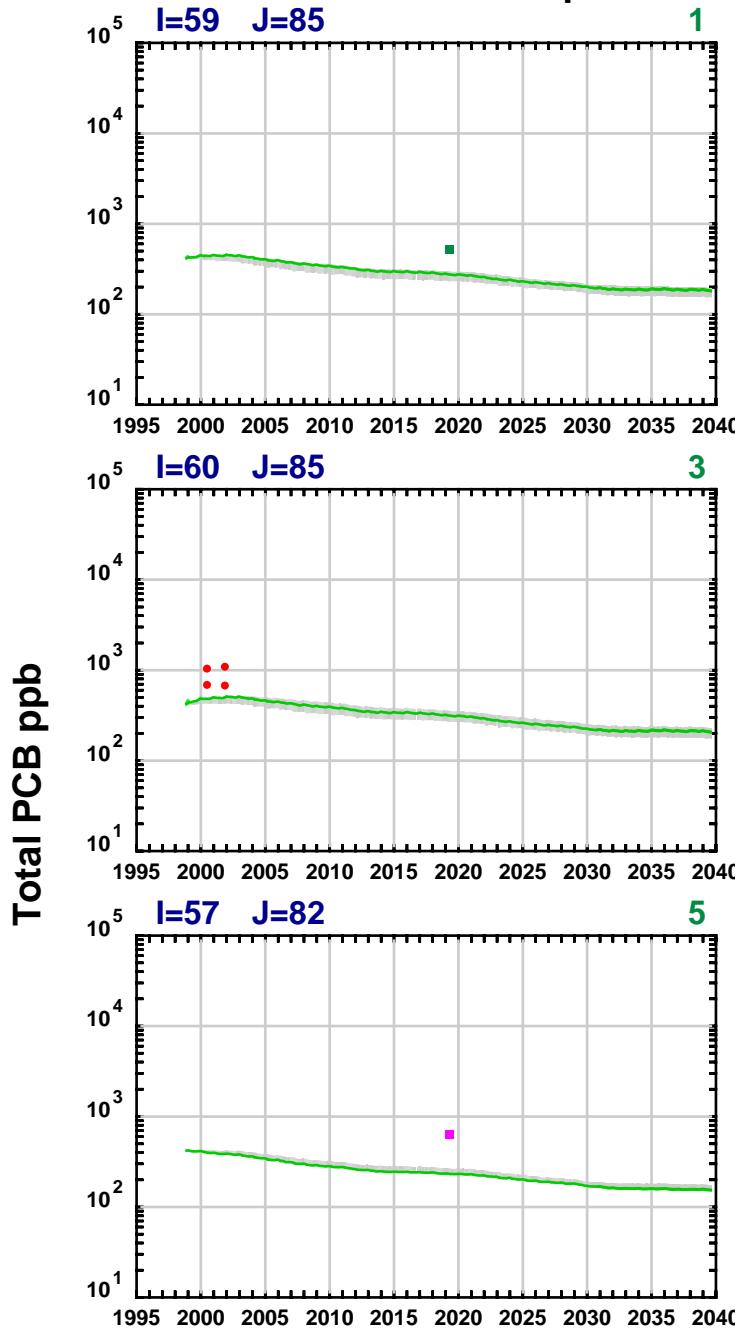
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 29 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

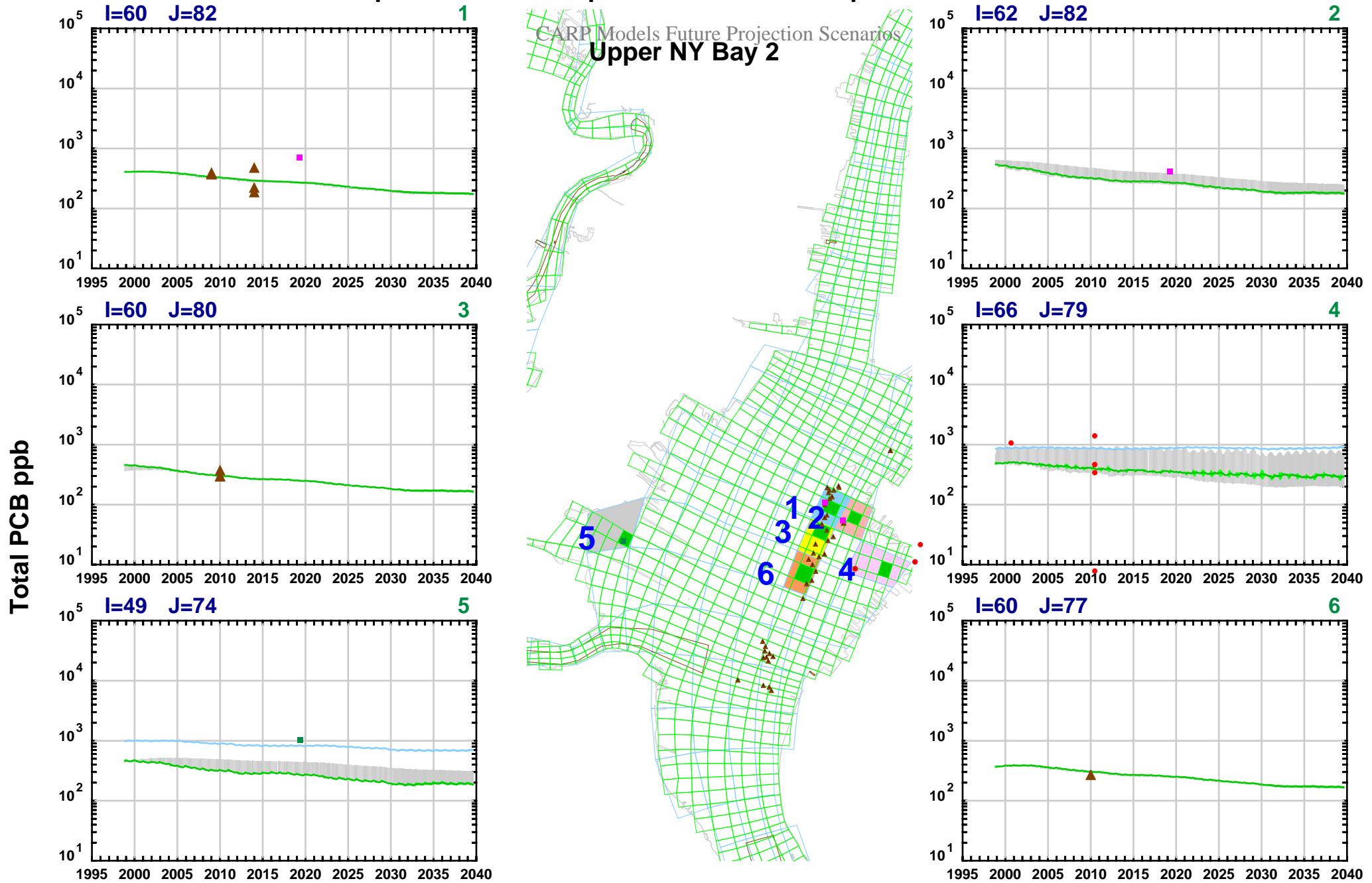
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 30 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

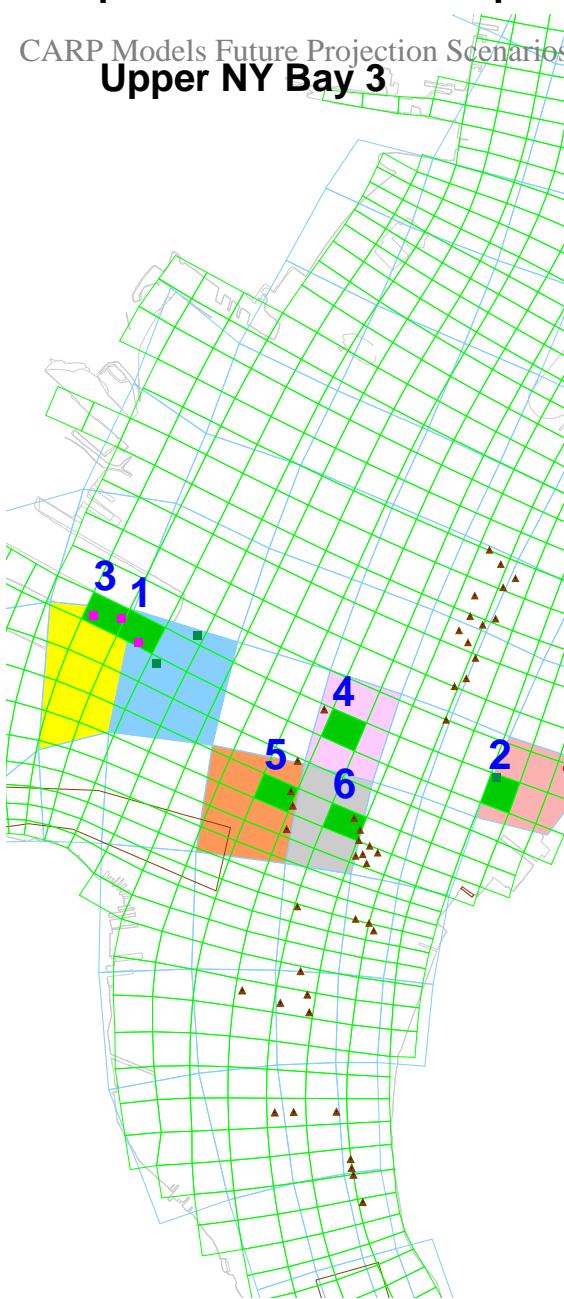
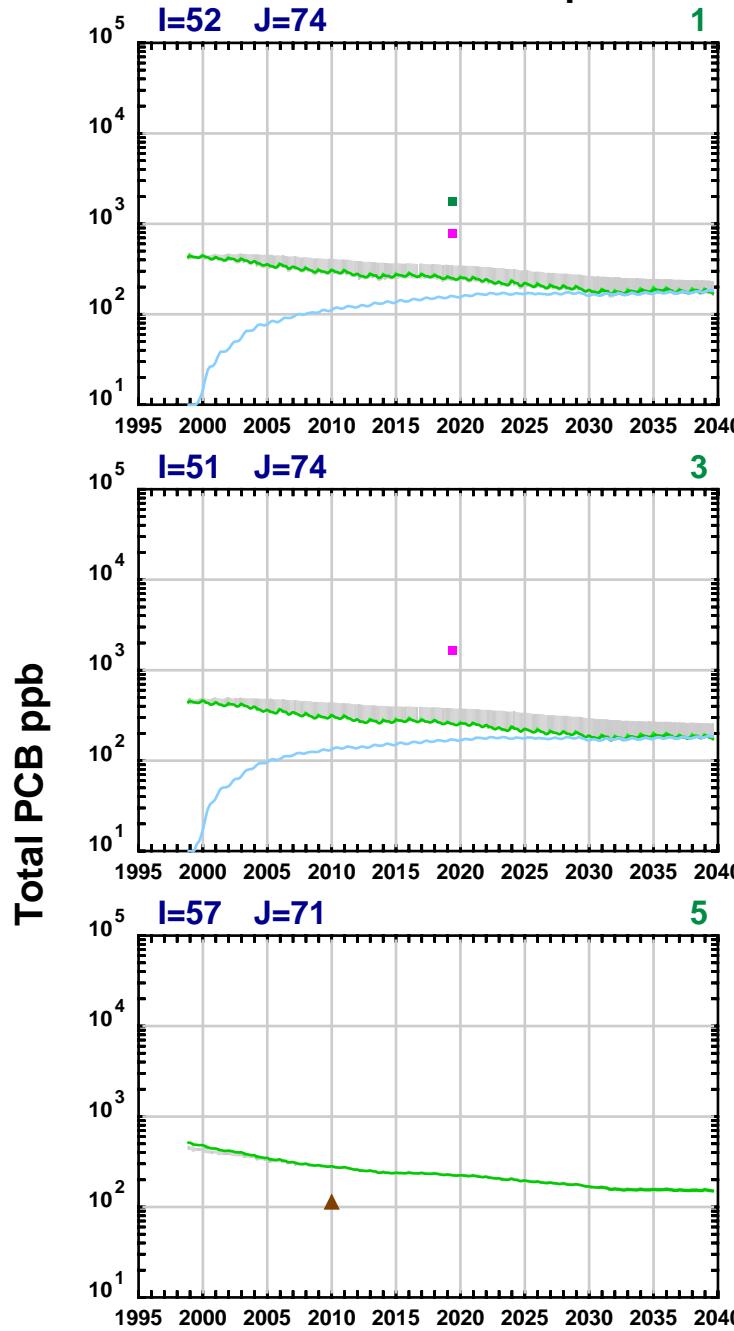
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 31 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

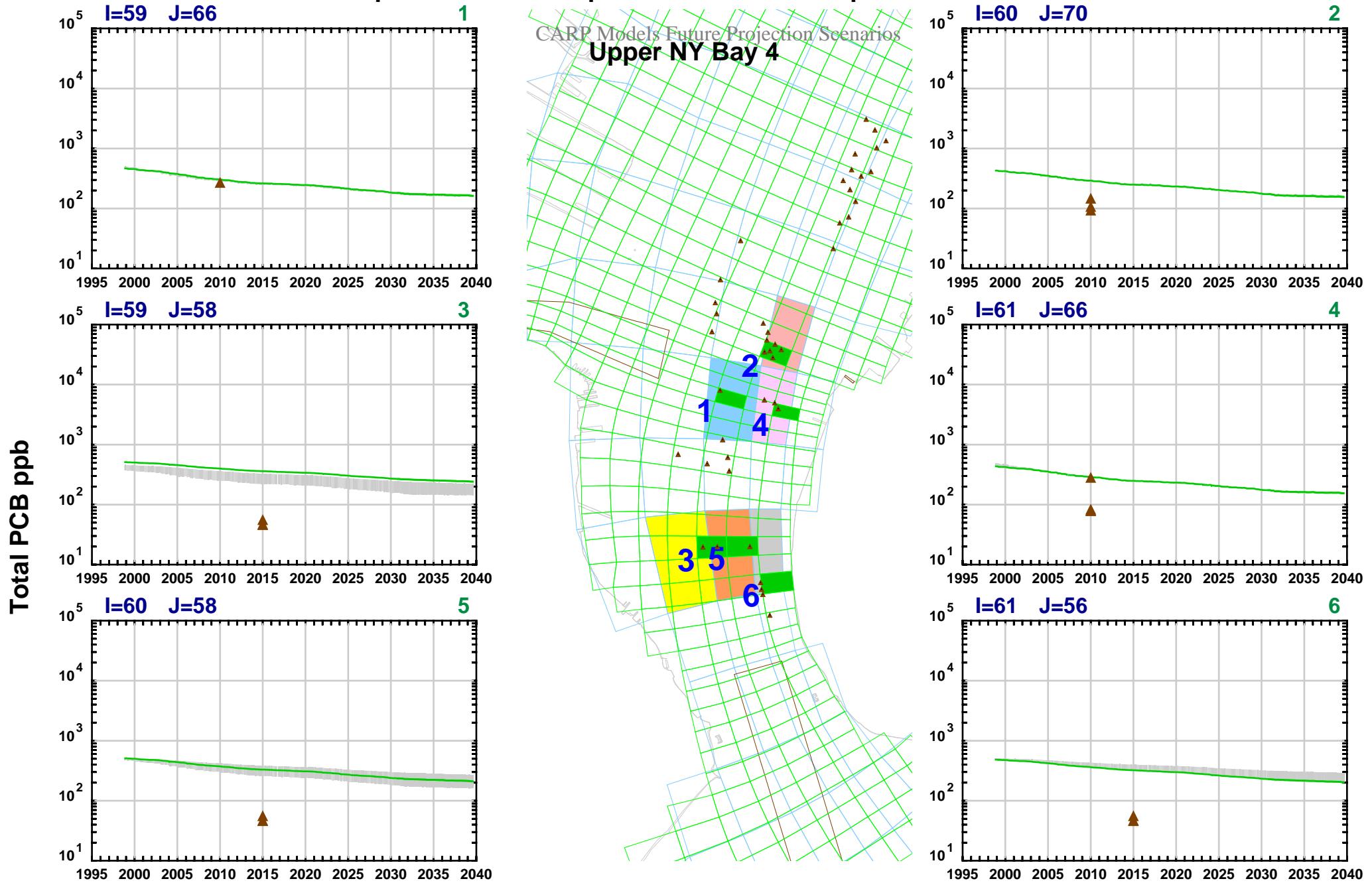
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

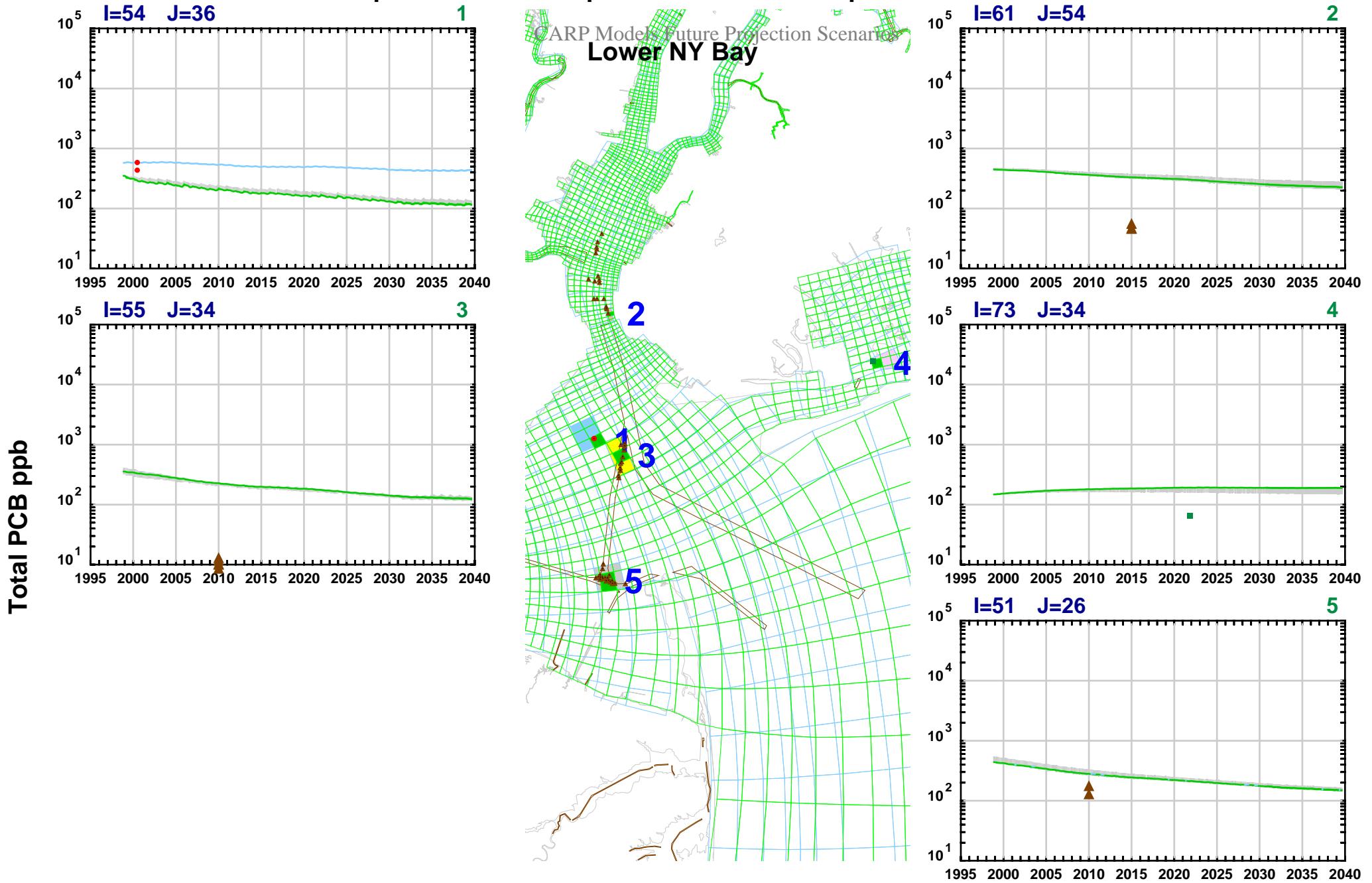
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 33 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

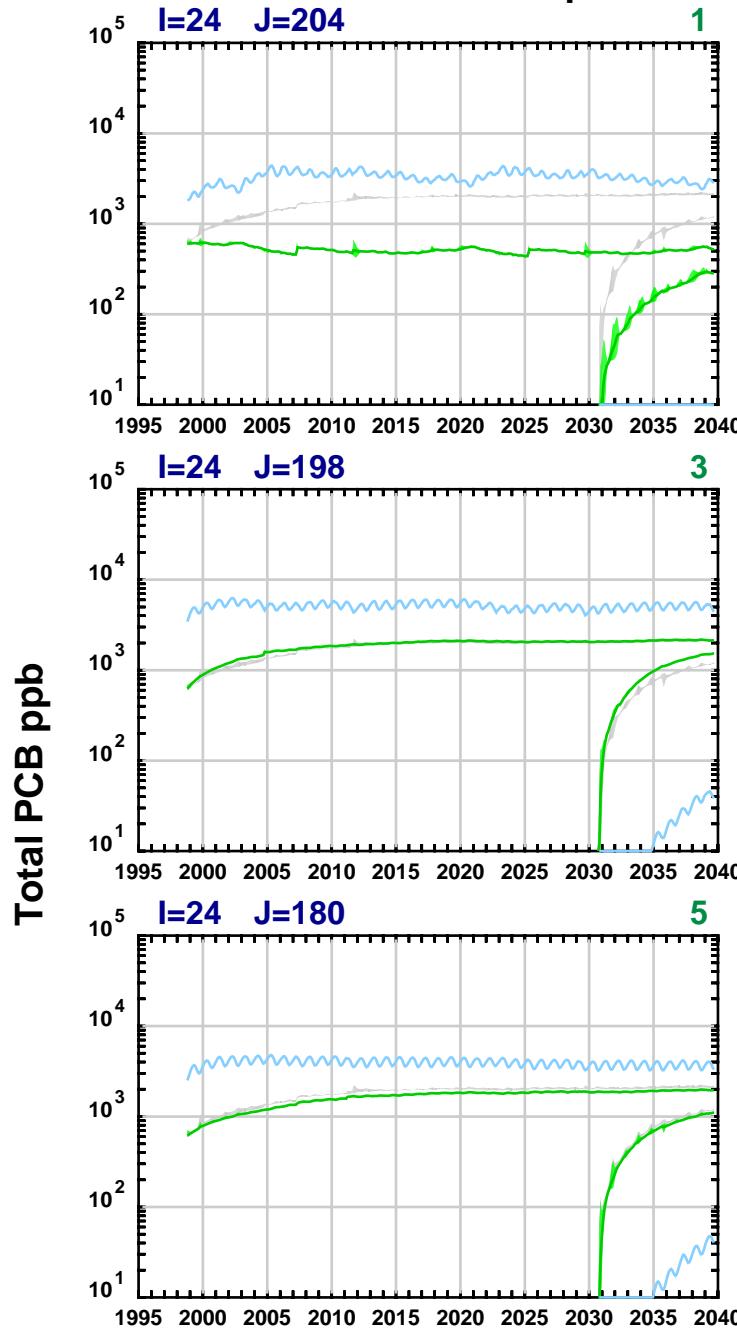
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

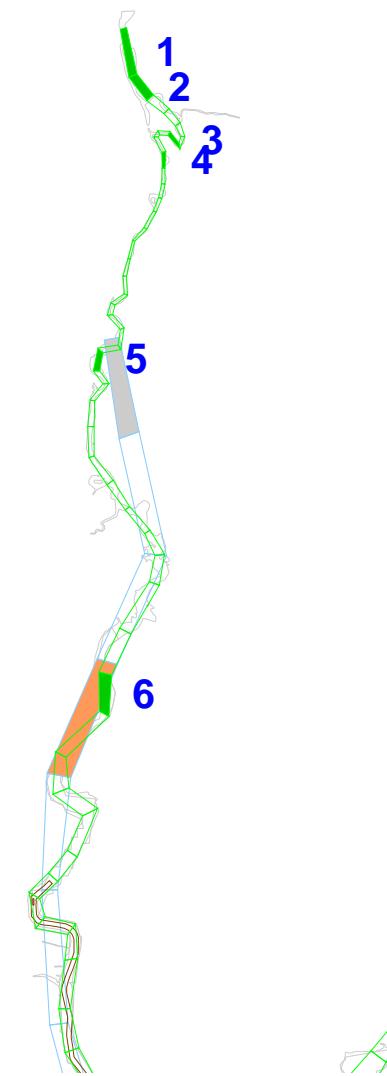
Appendix 1 Page 34 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

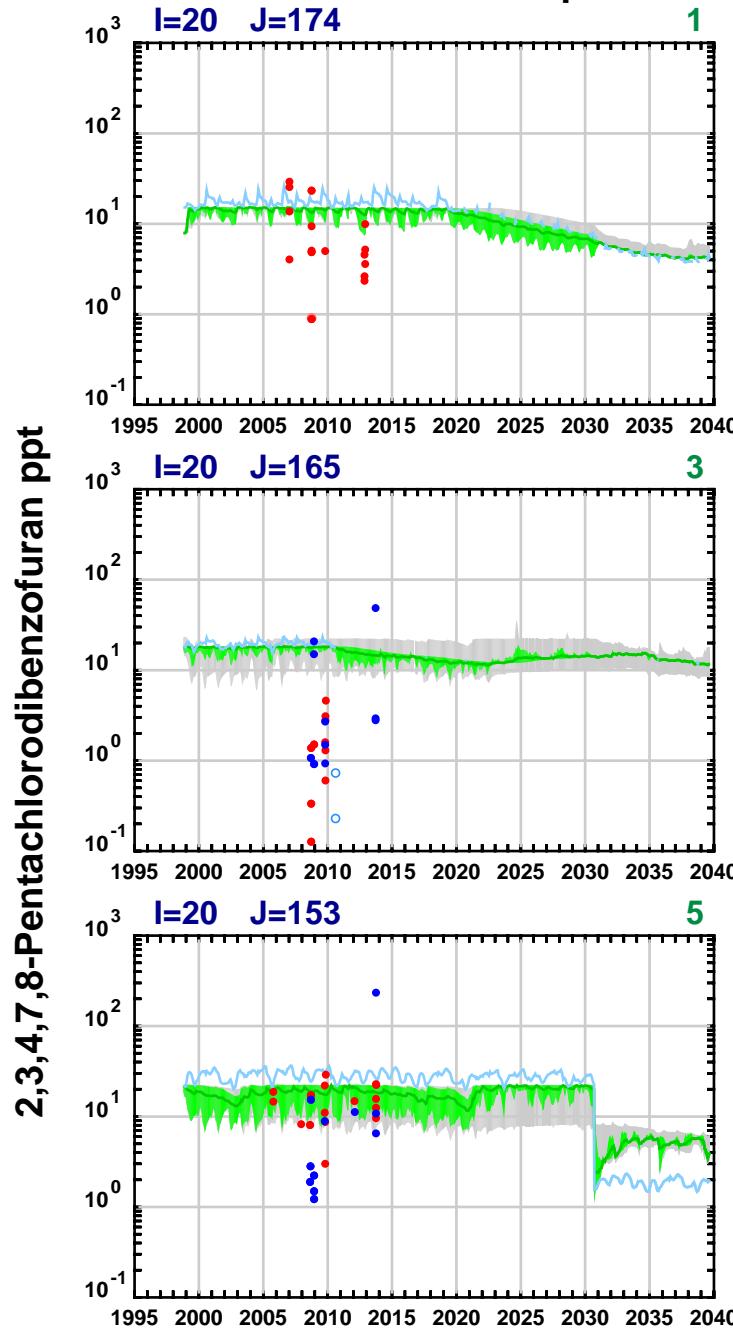
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

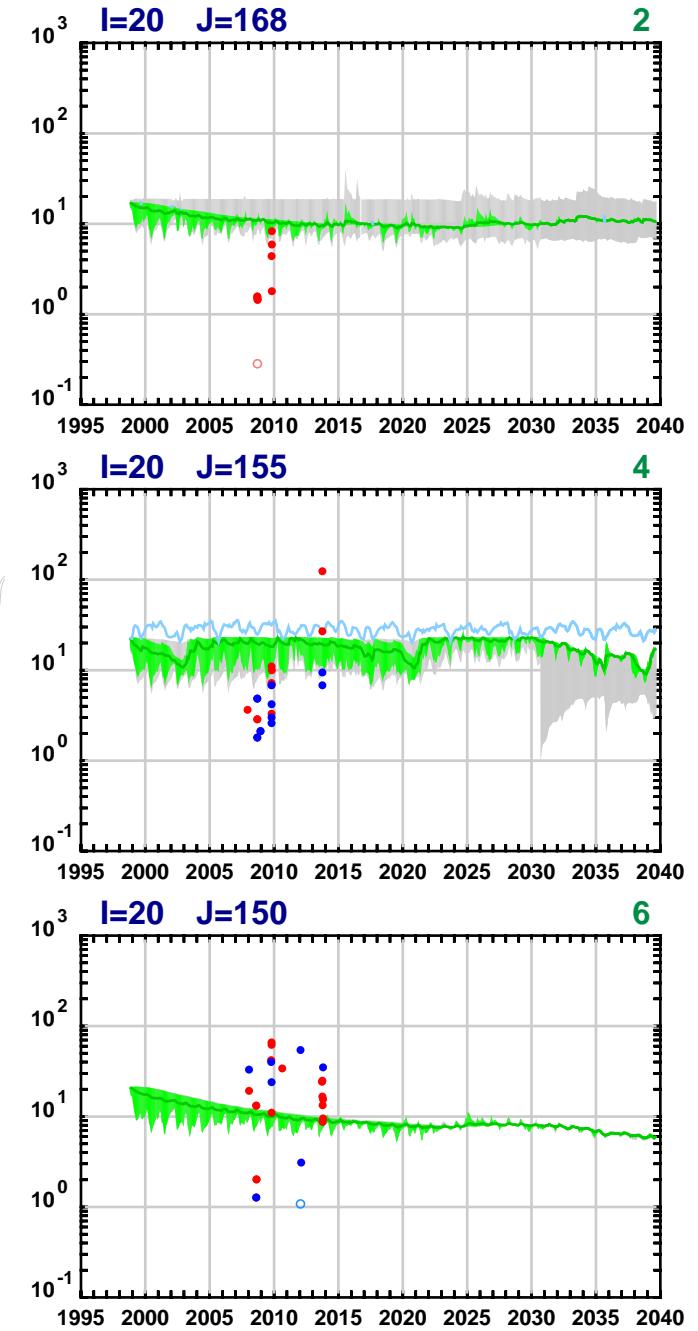
Appendix 1 Page 35 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

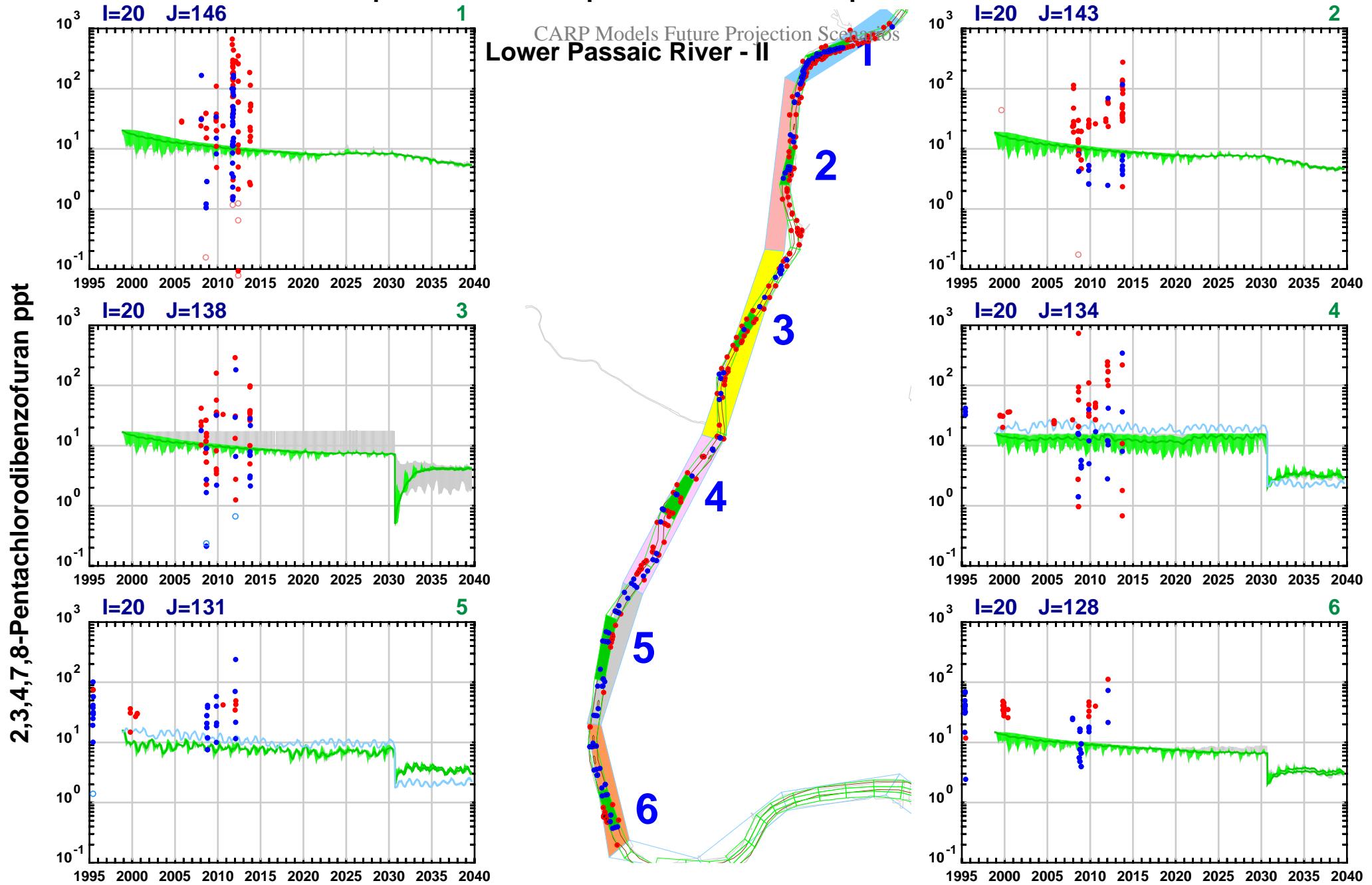
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

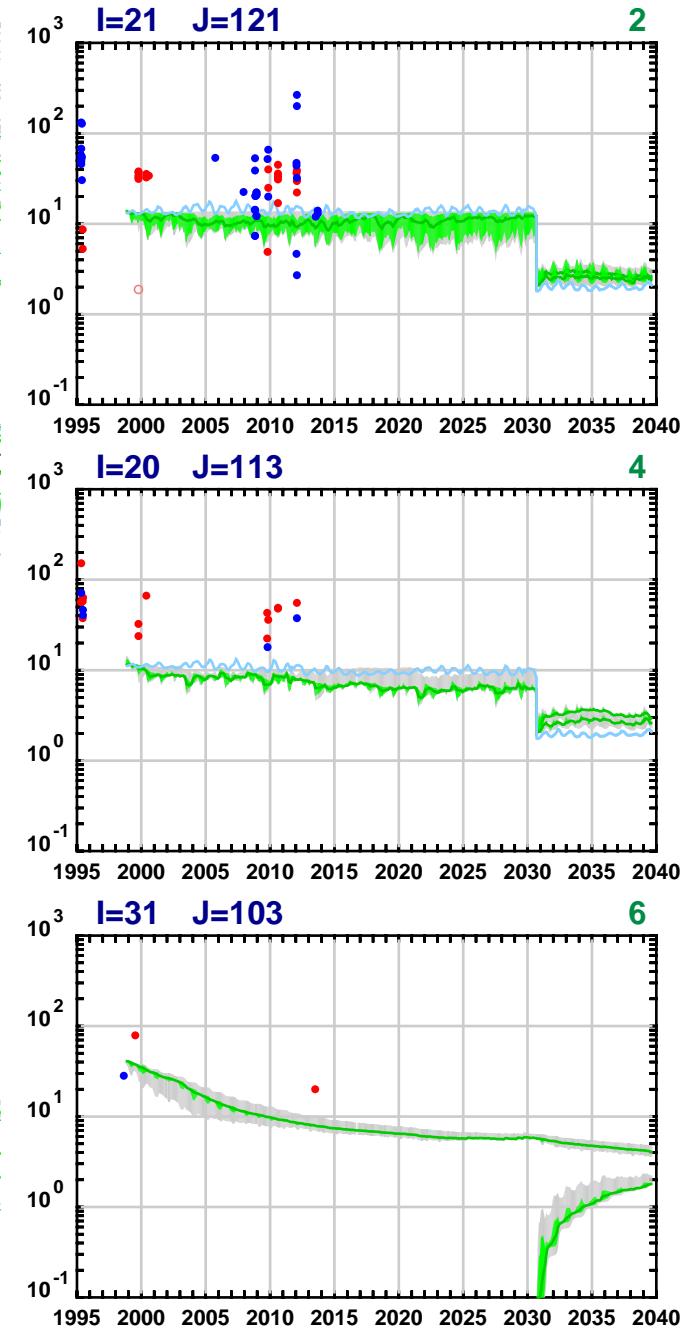
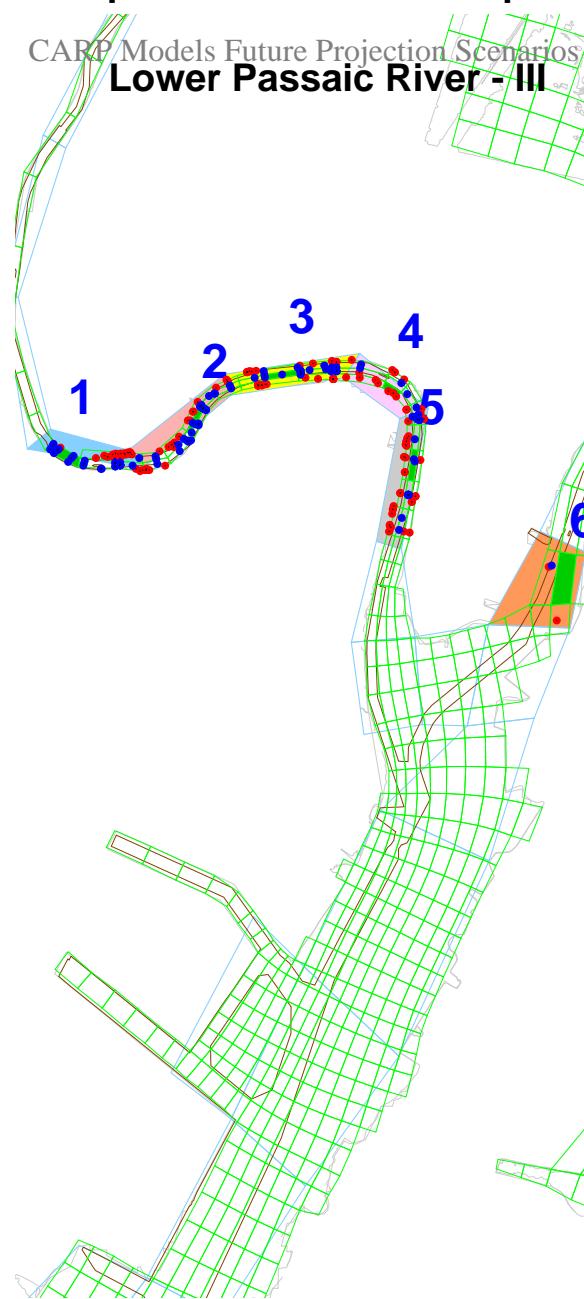
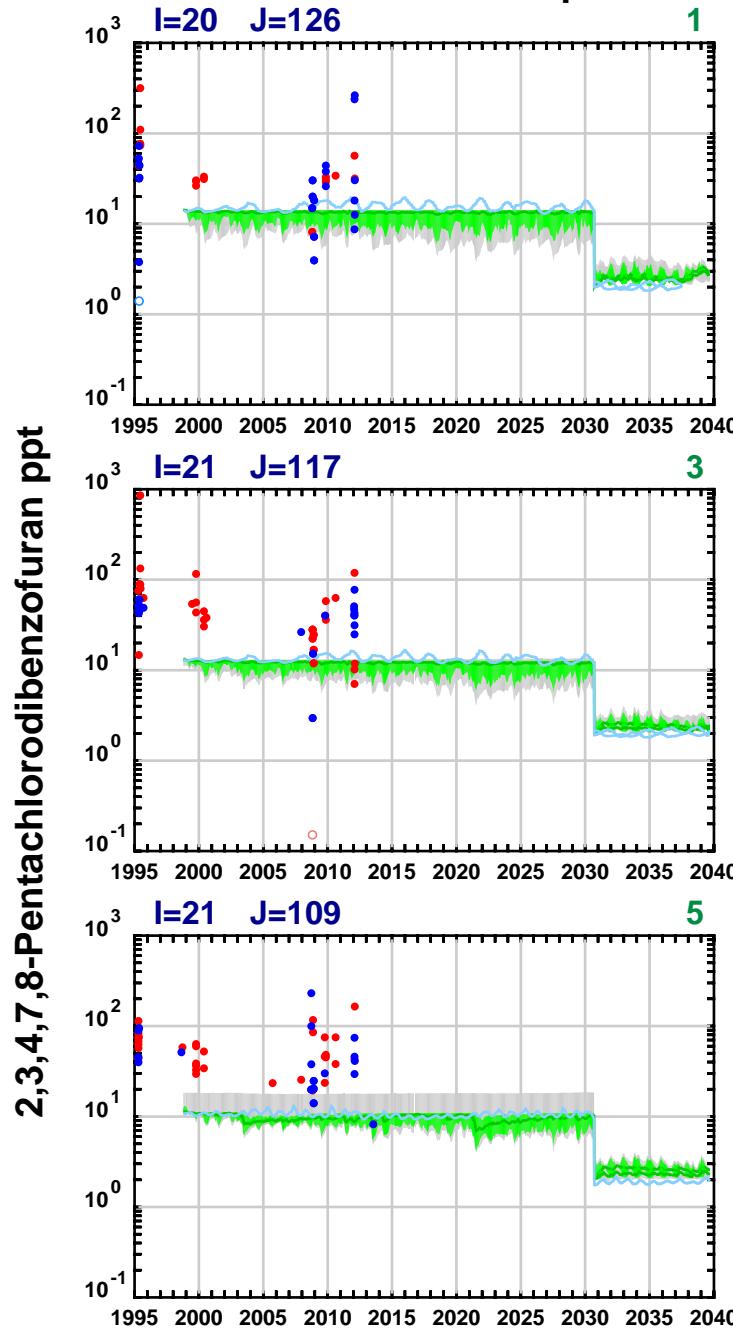
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

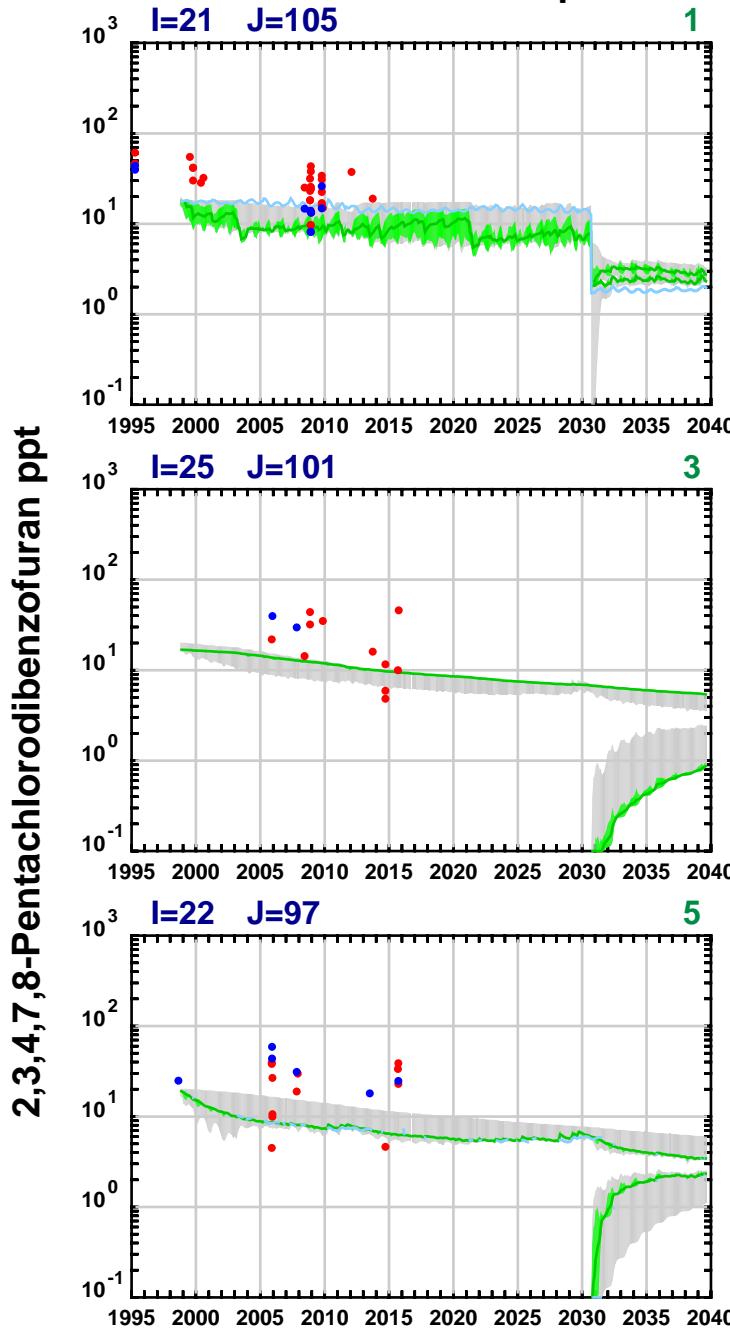
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

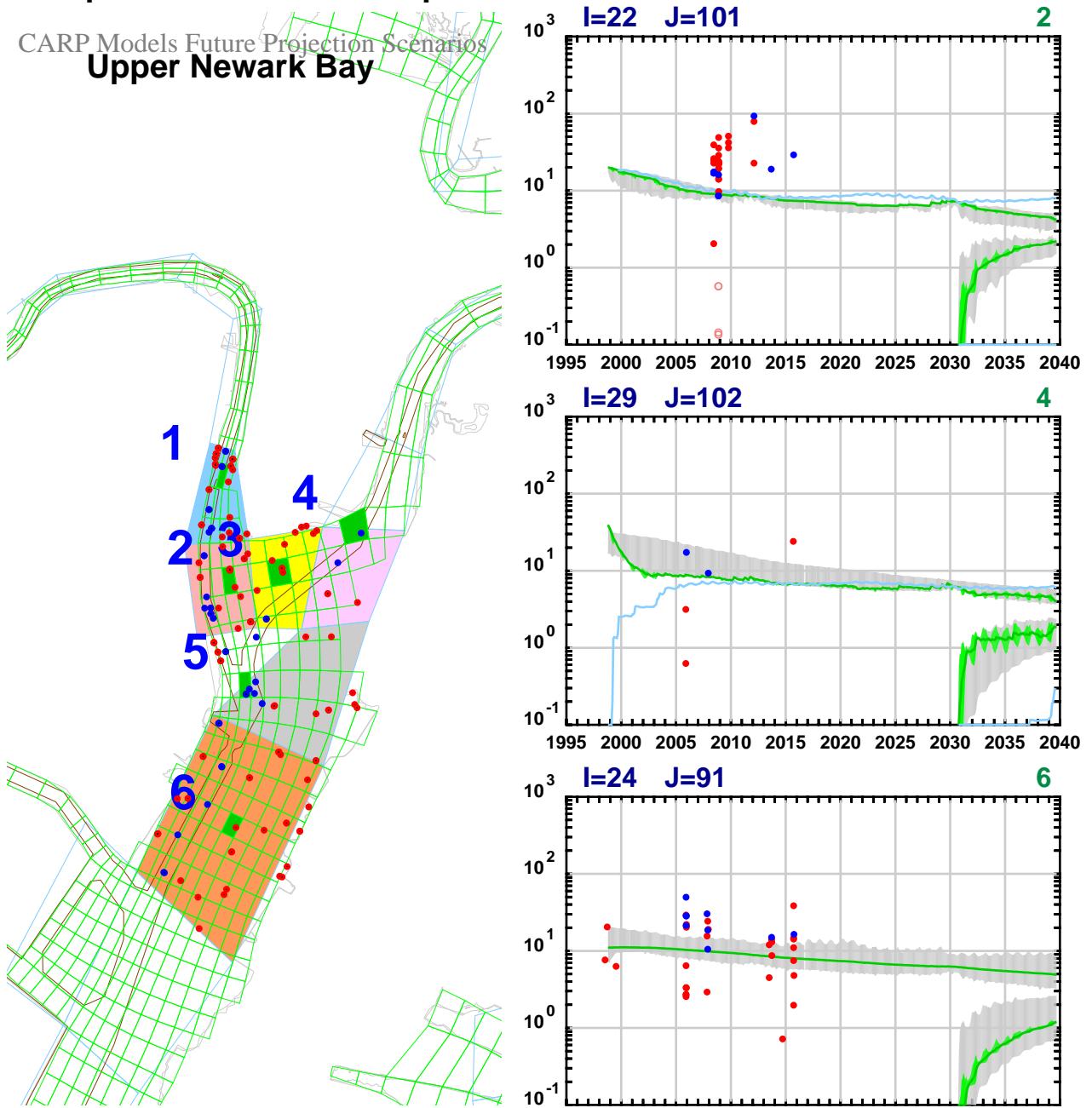
Appendix 1 Page 38 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

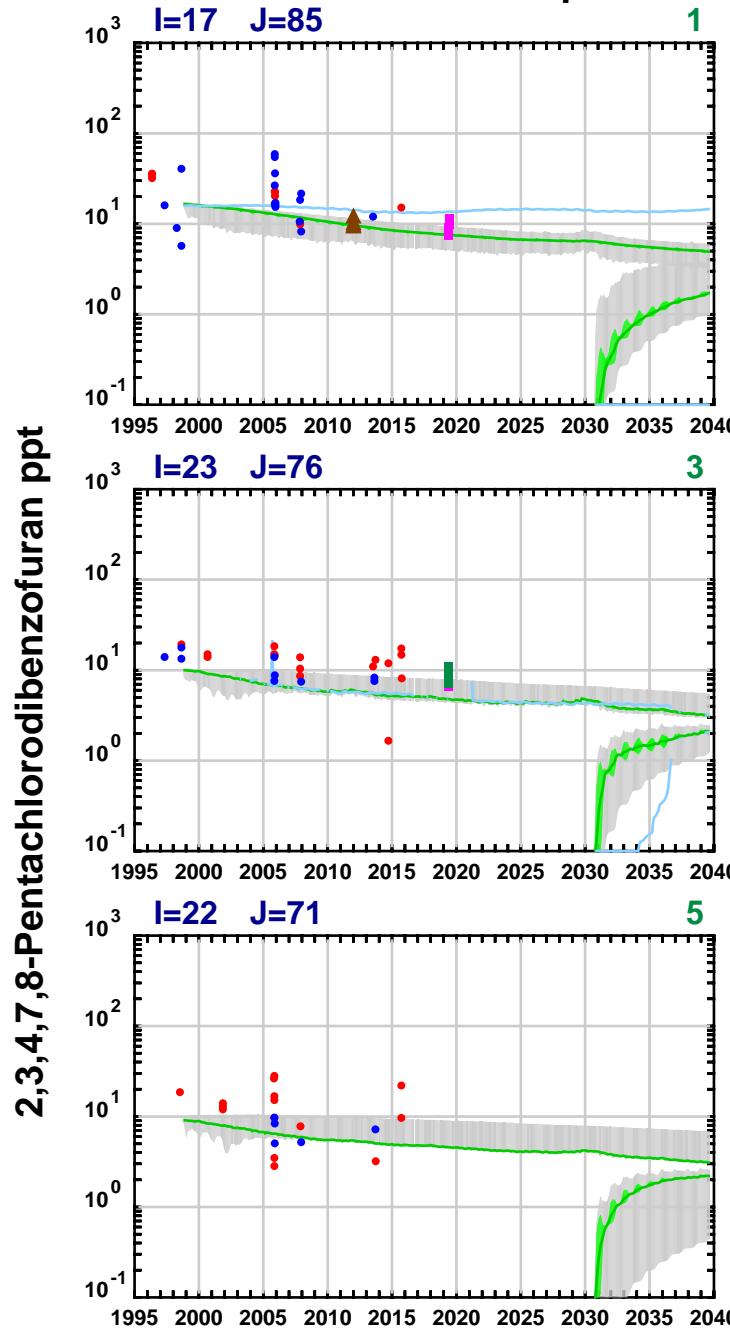
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

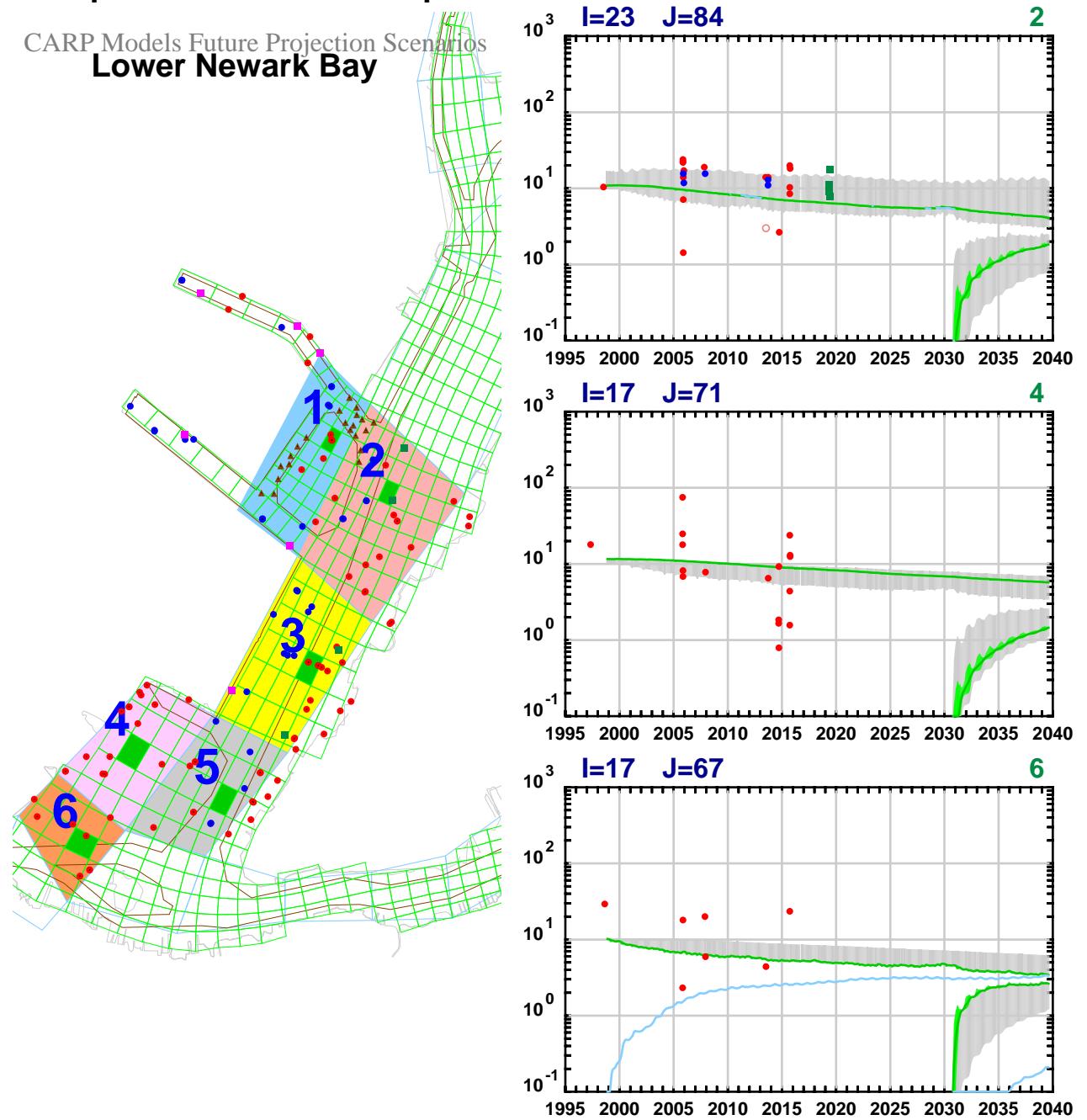
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● In-channel data	● Off-channel data	▲ Dredge data
■ CARP2 In-channel	■ CARP2 Off-channel	

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

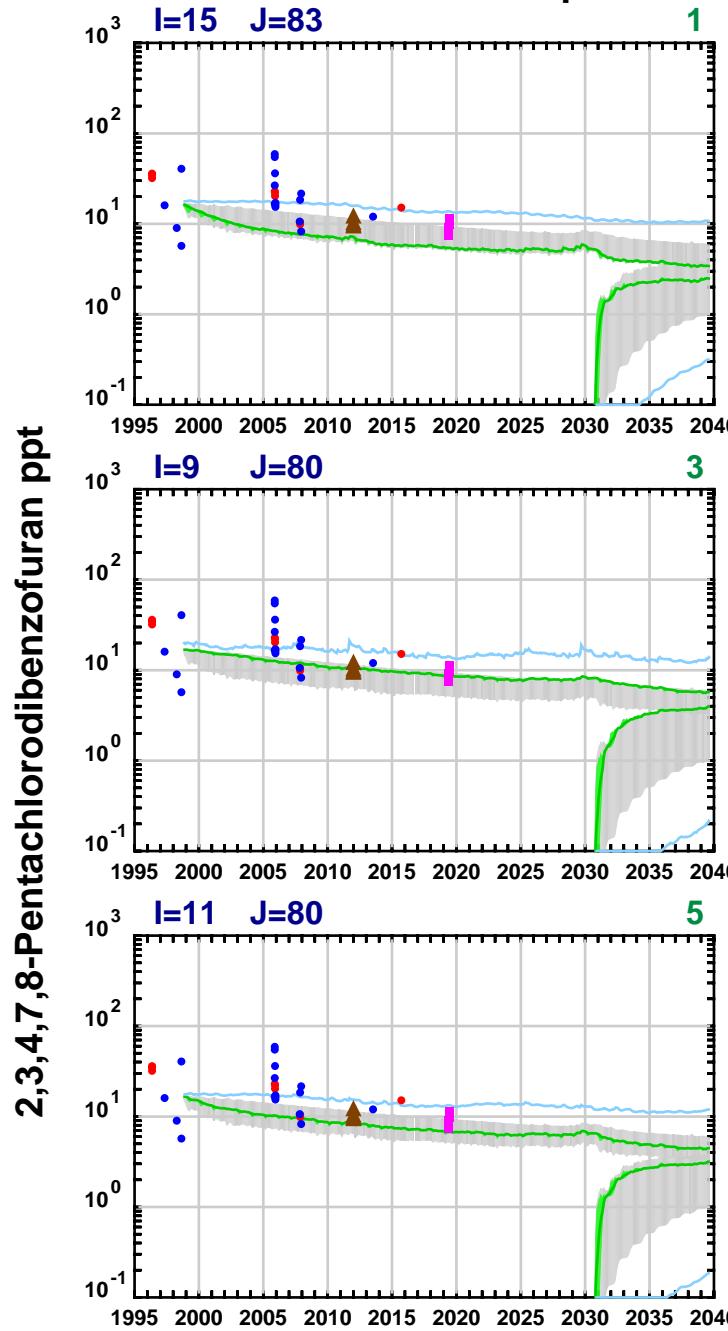
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

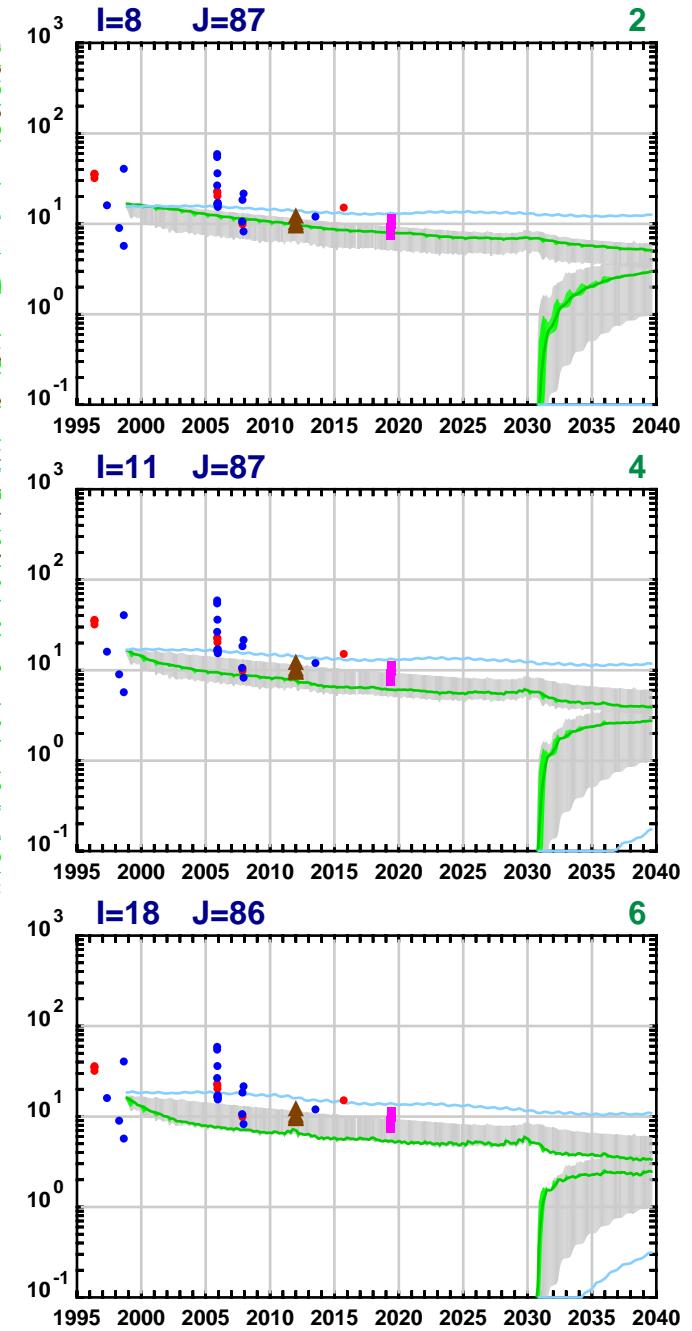
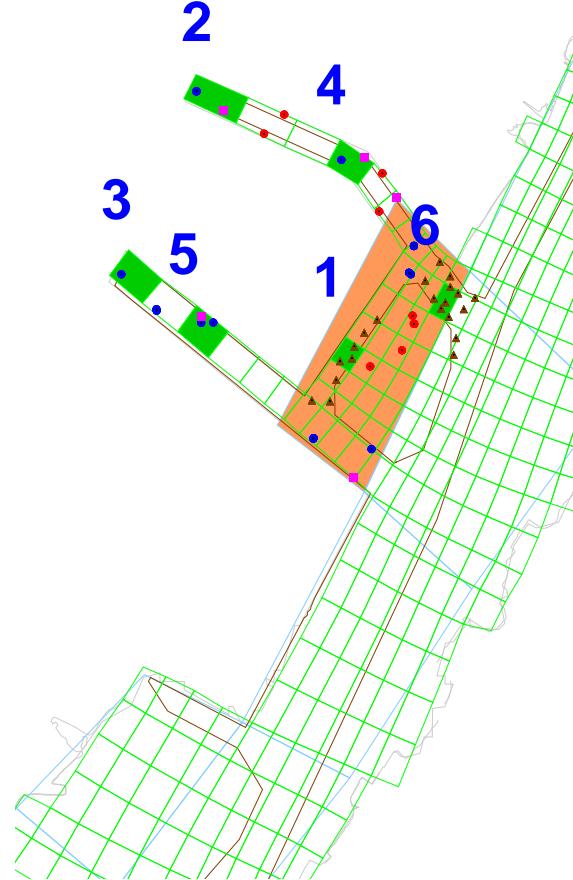
Appendix 1 Page 40 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

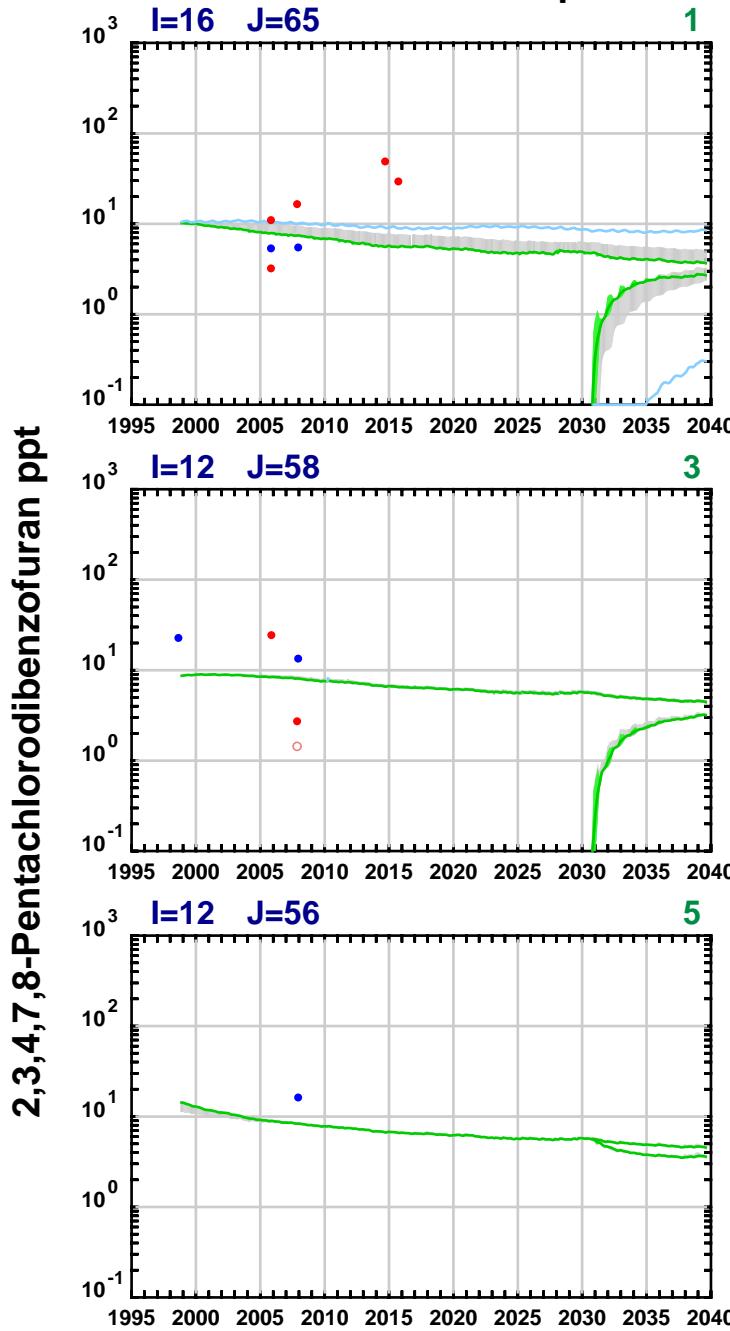
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

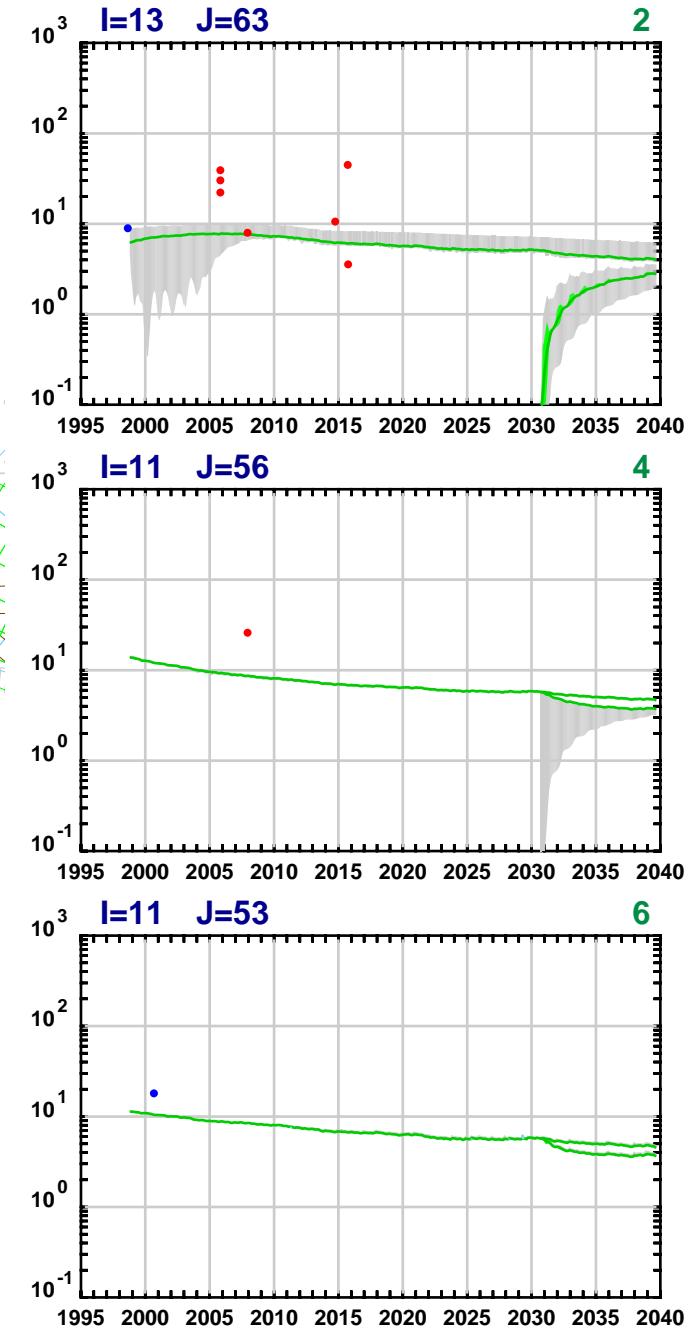
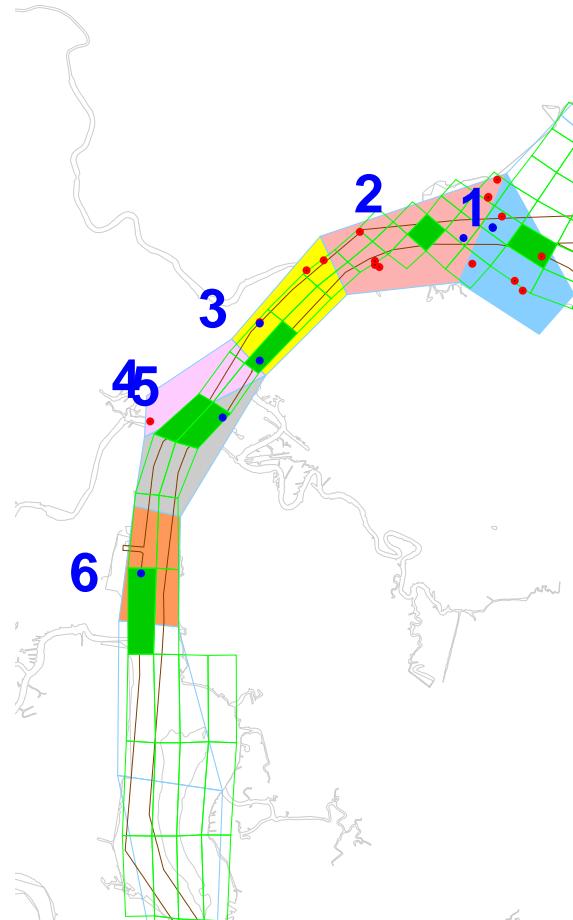
Appendix 1 Page 41 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

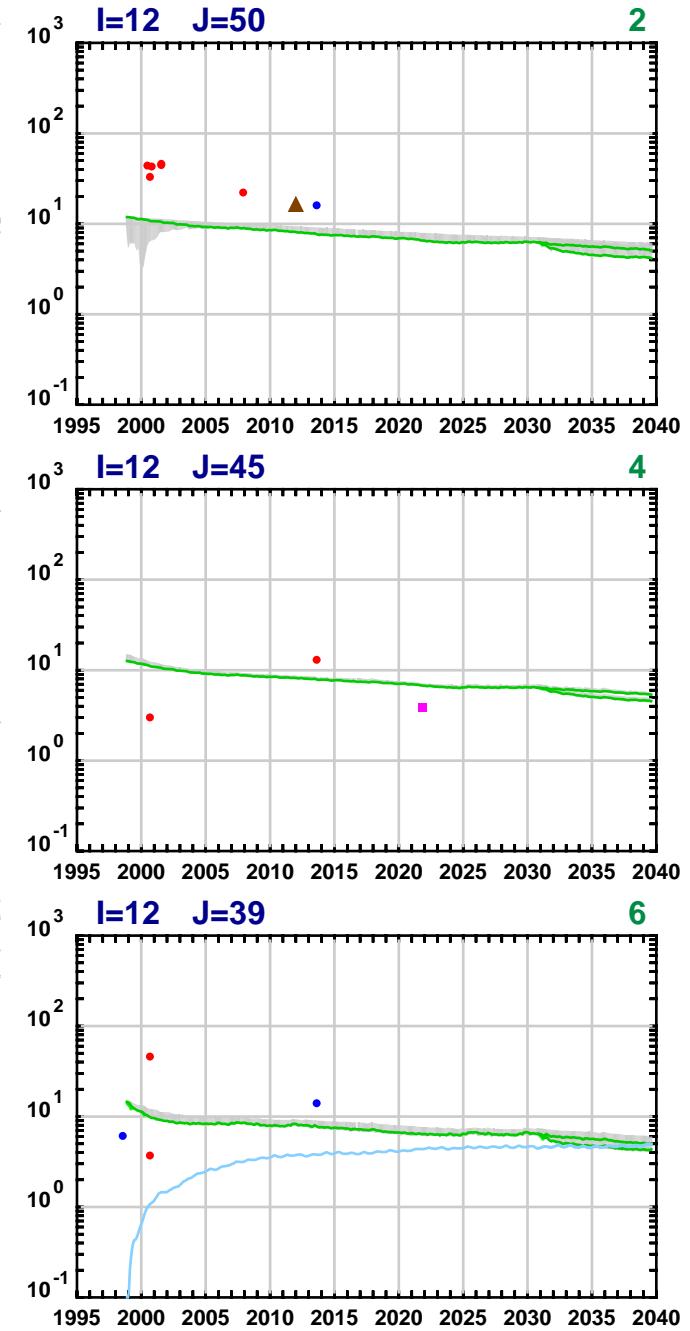
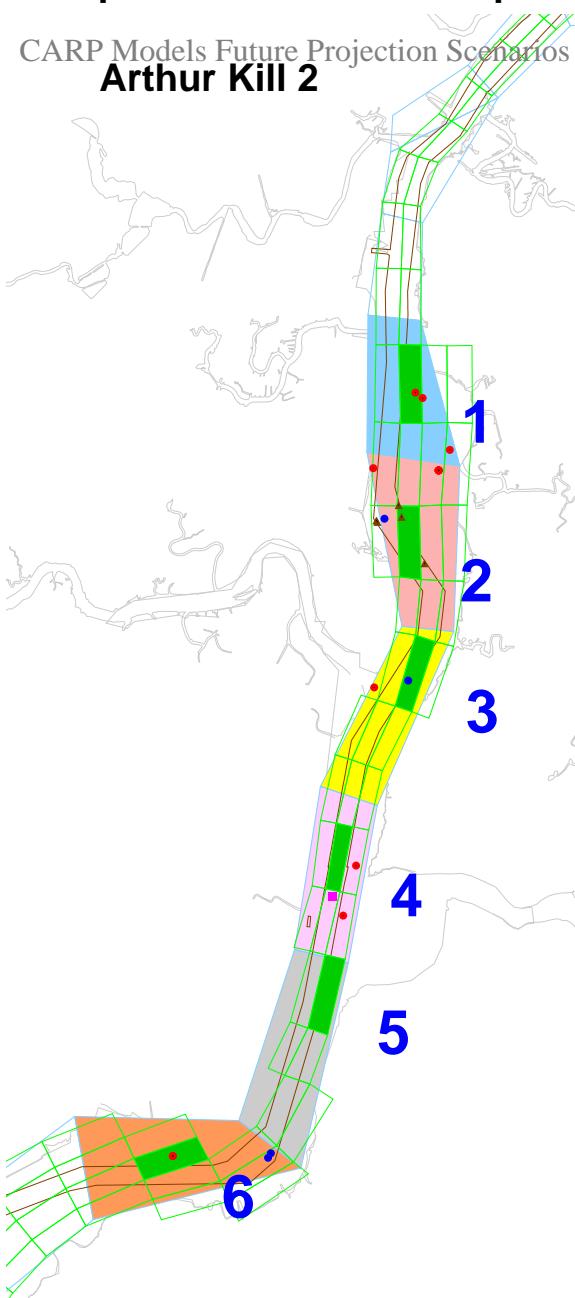
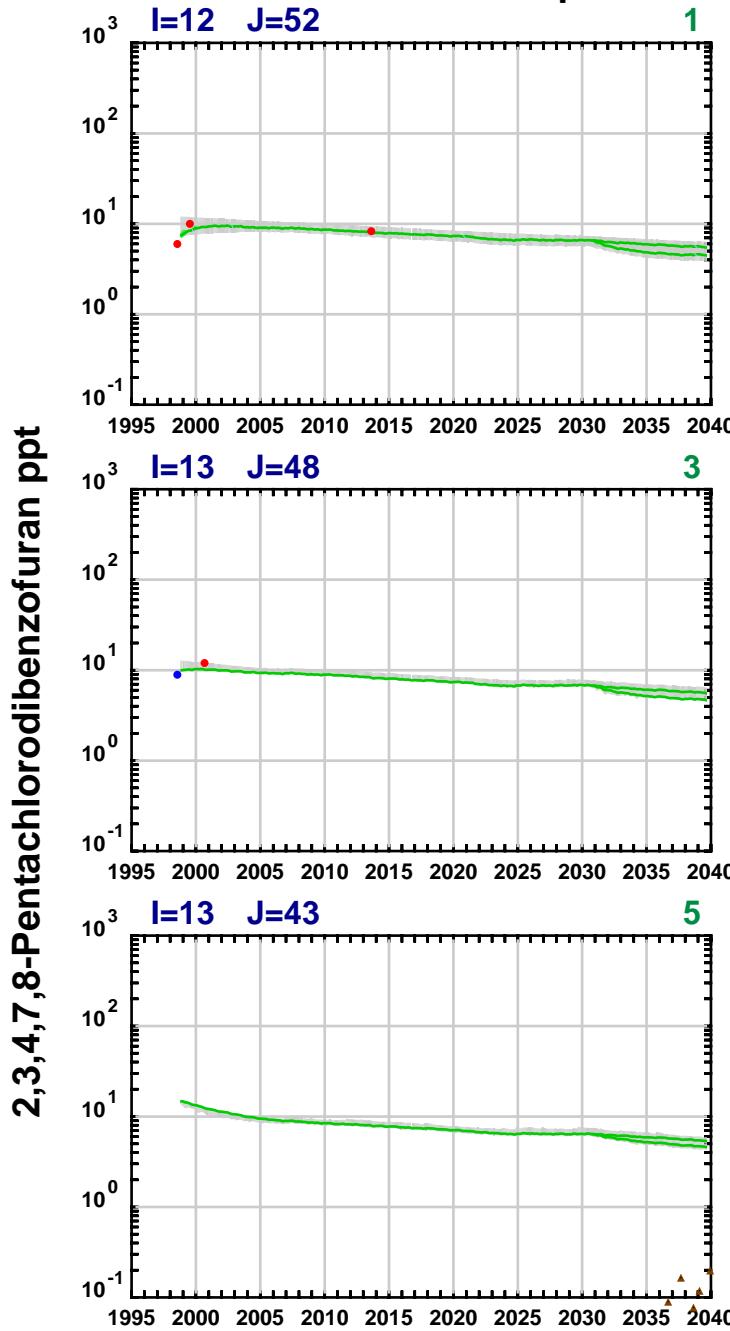
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

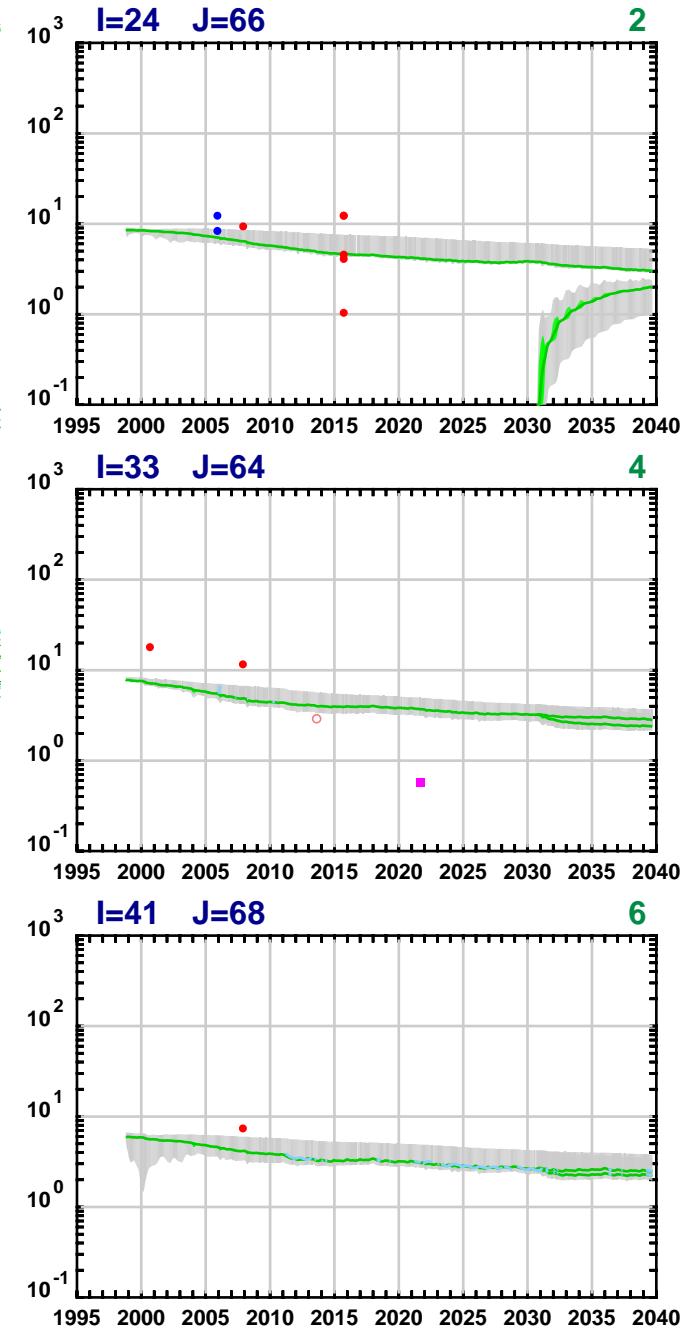
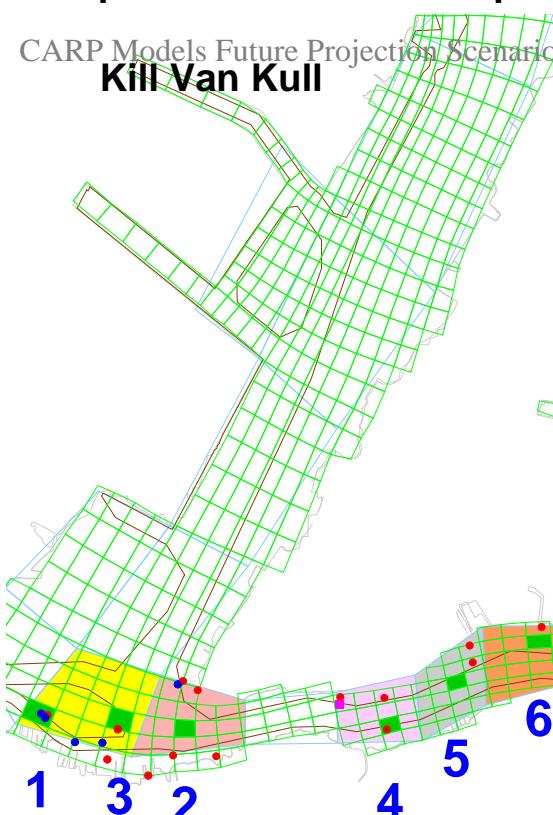
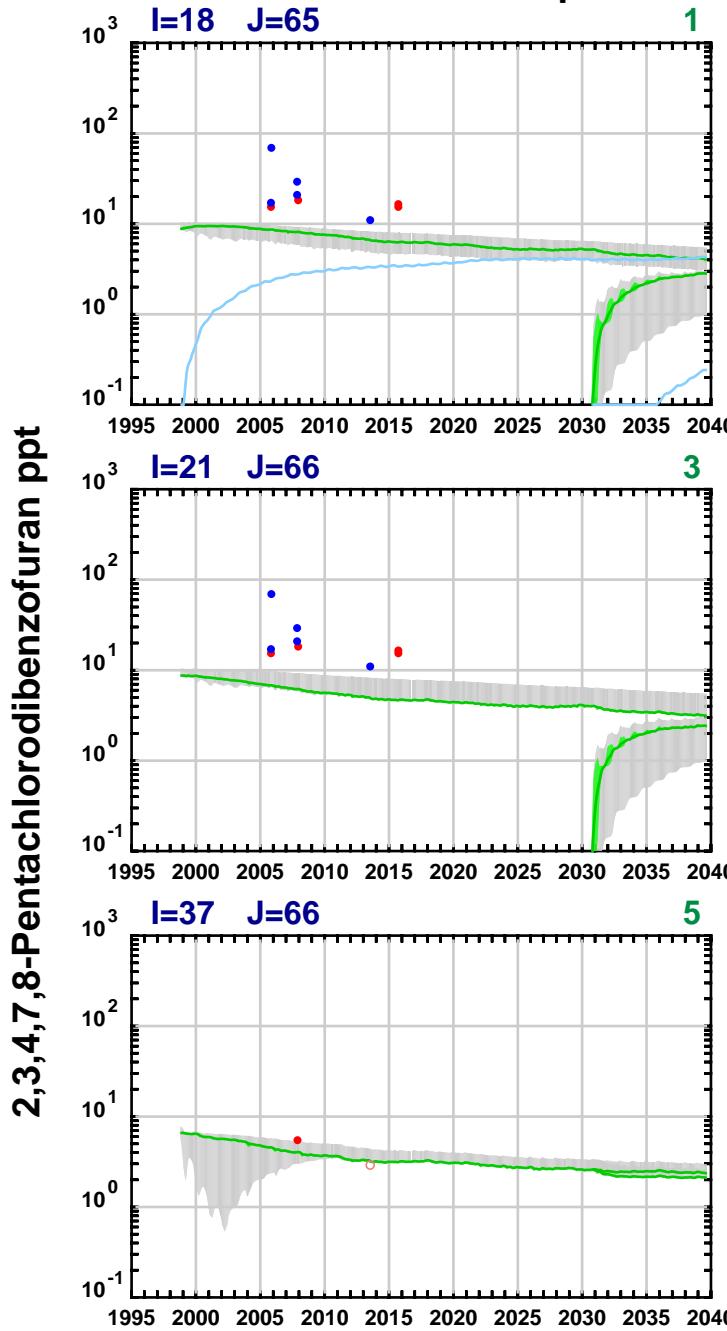
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

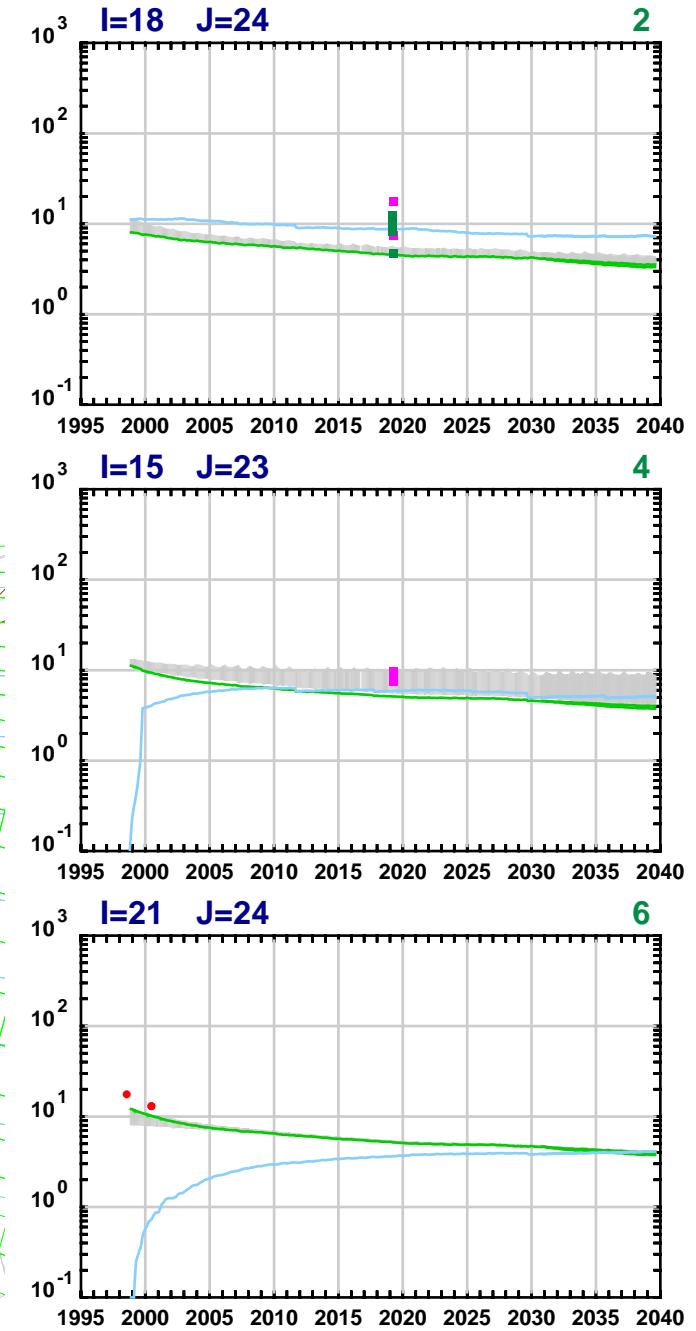
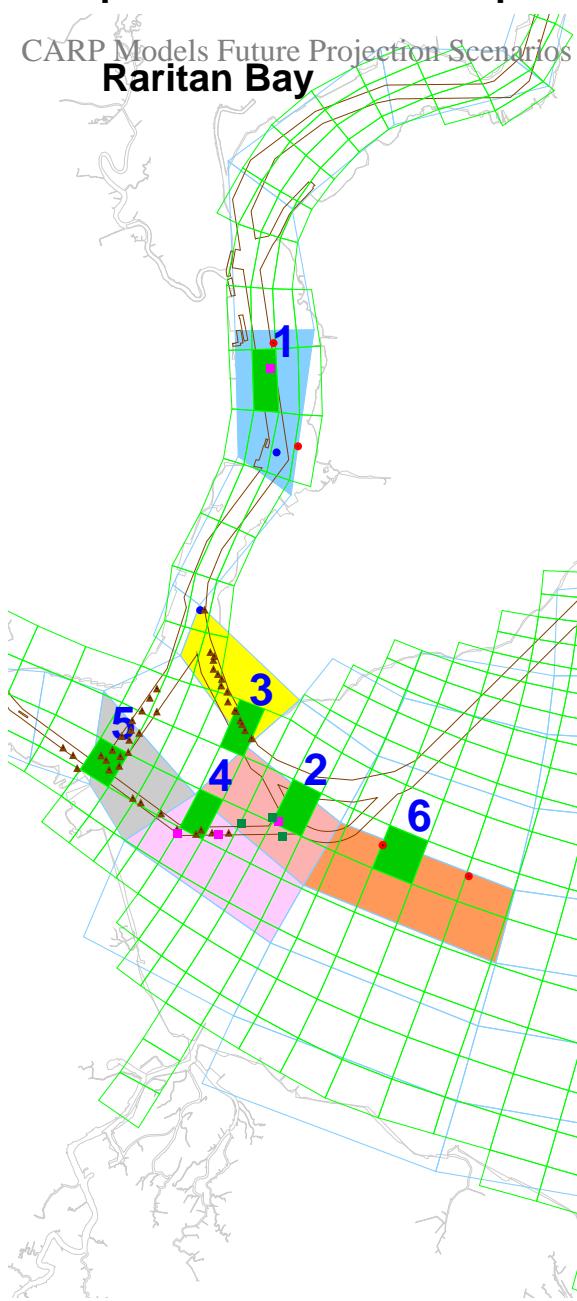
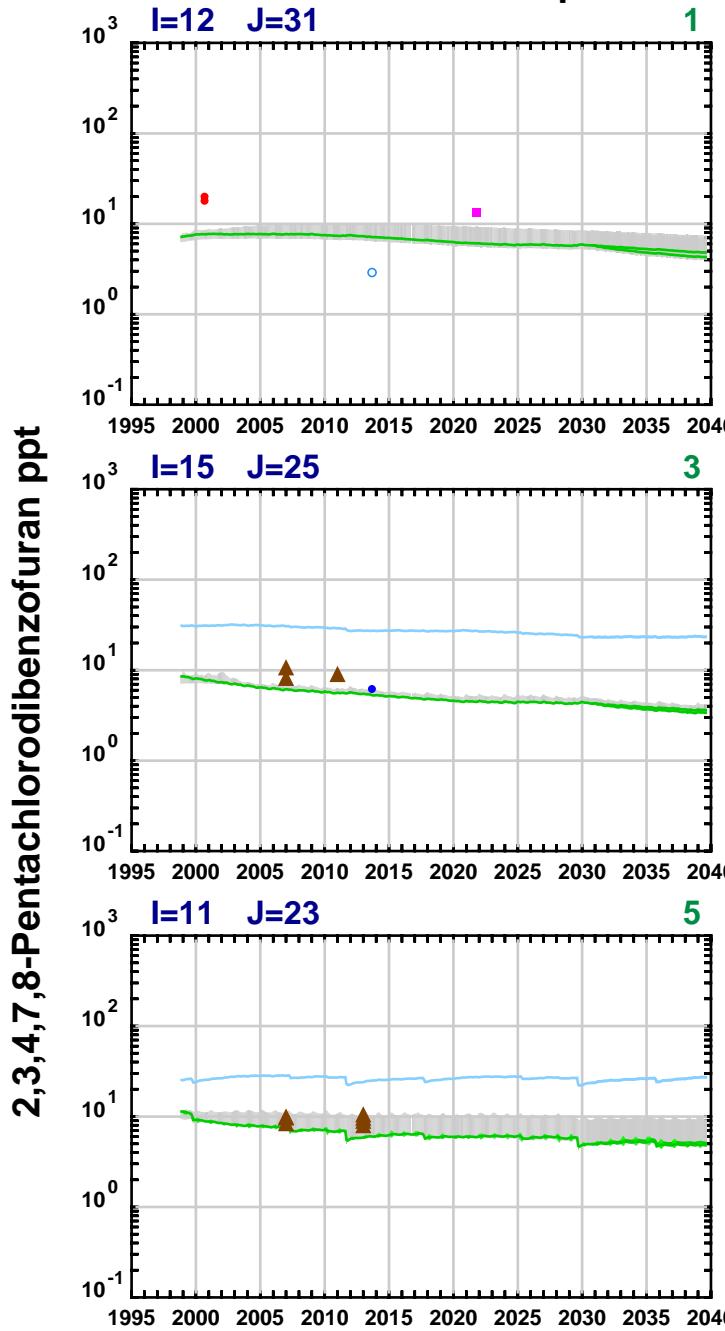
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

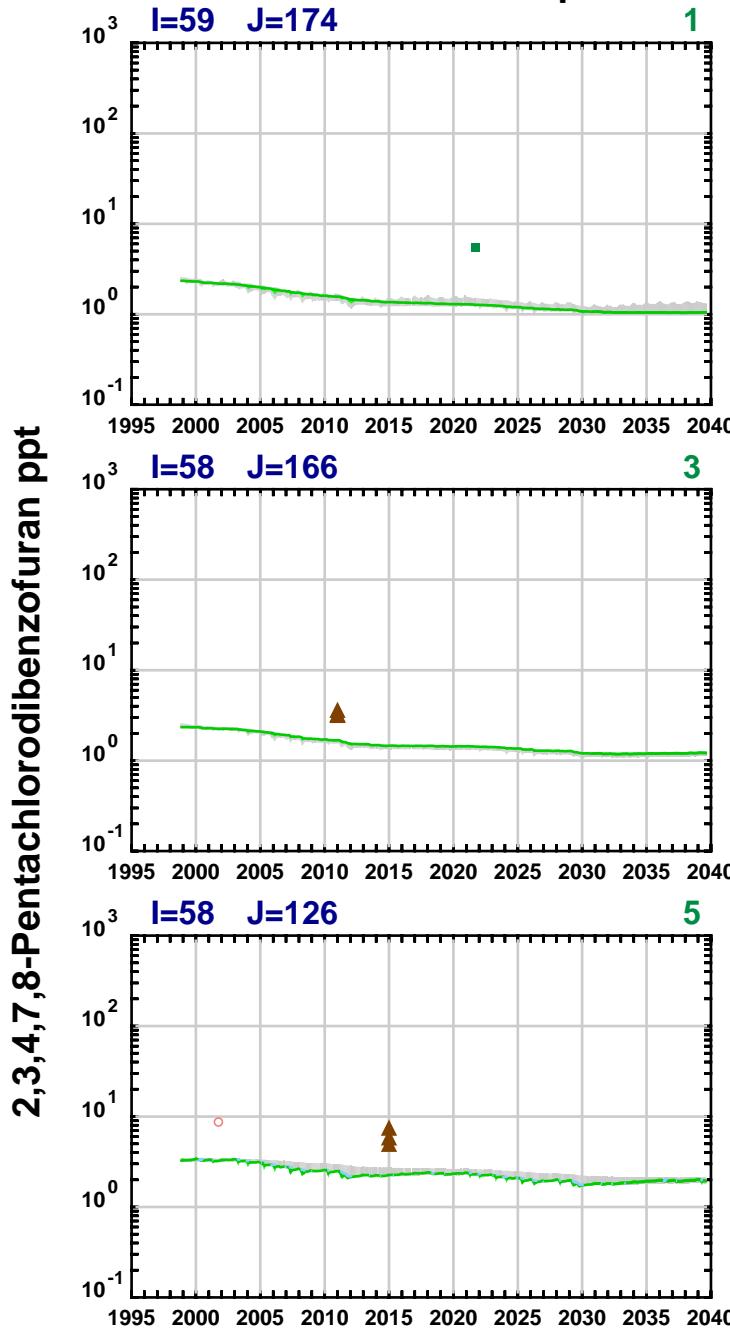
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

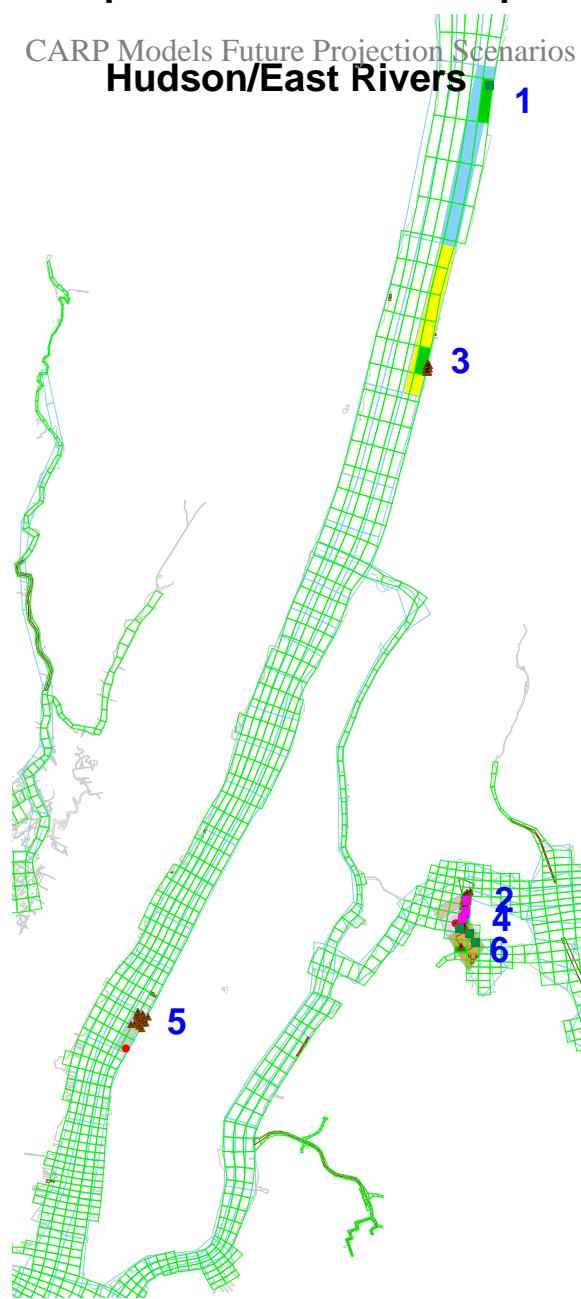
Appendix 1 Page 45 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hudson/East Rivers



RUN18_PROJ01_PROJ02_R1

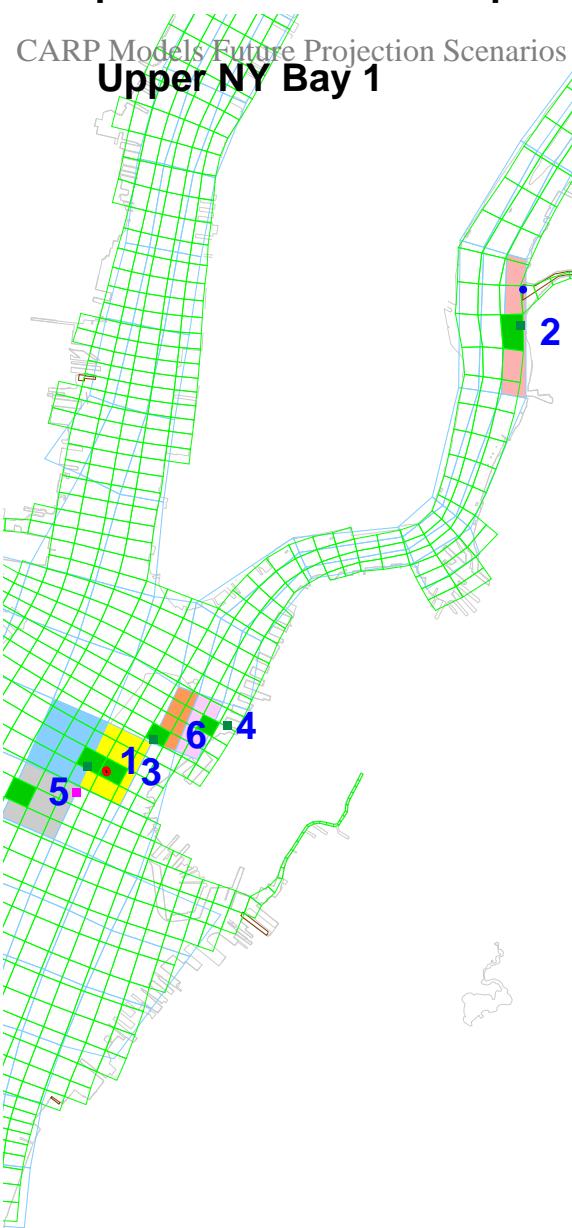
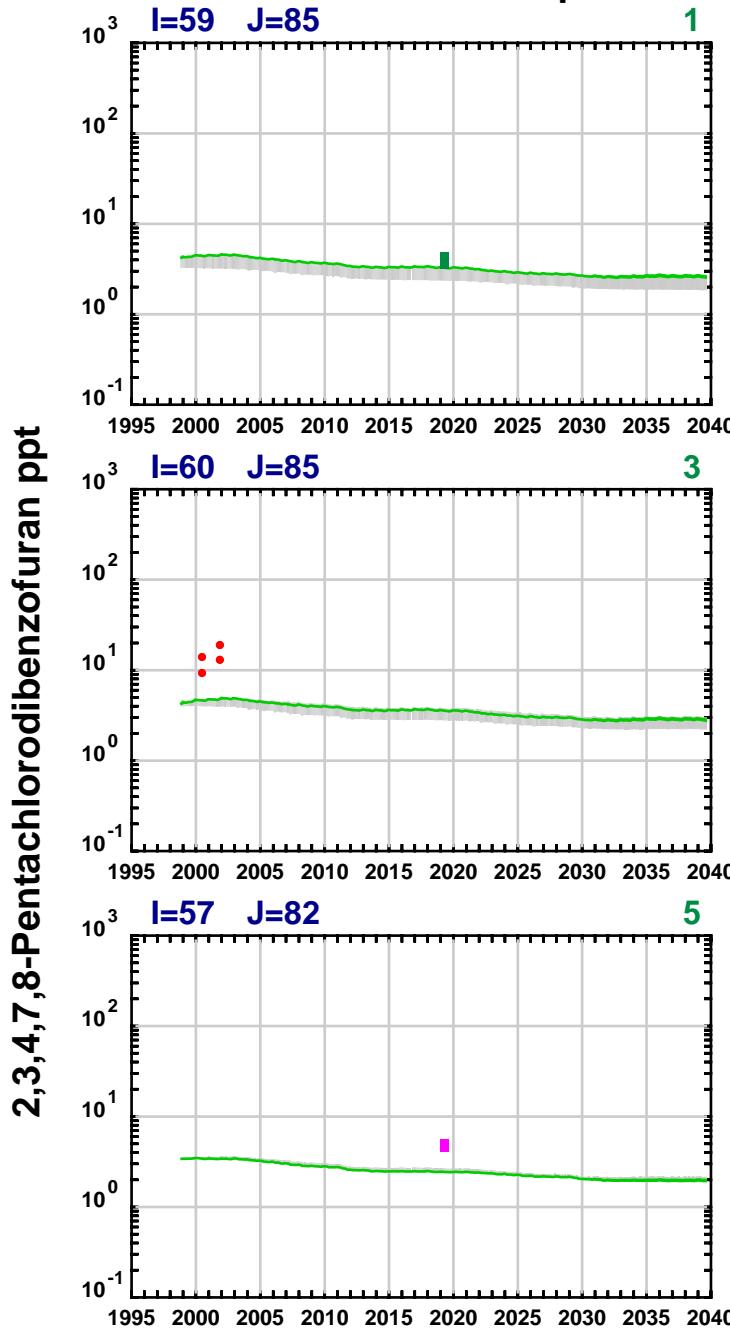
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

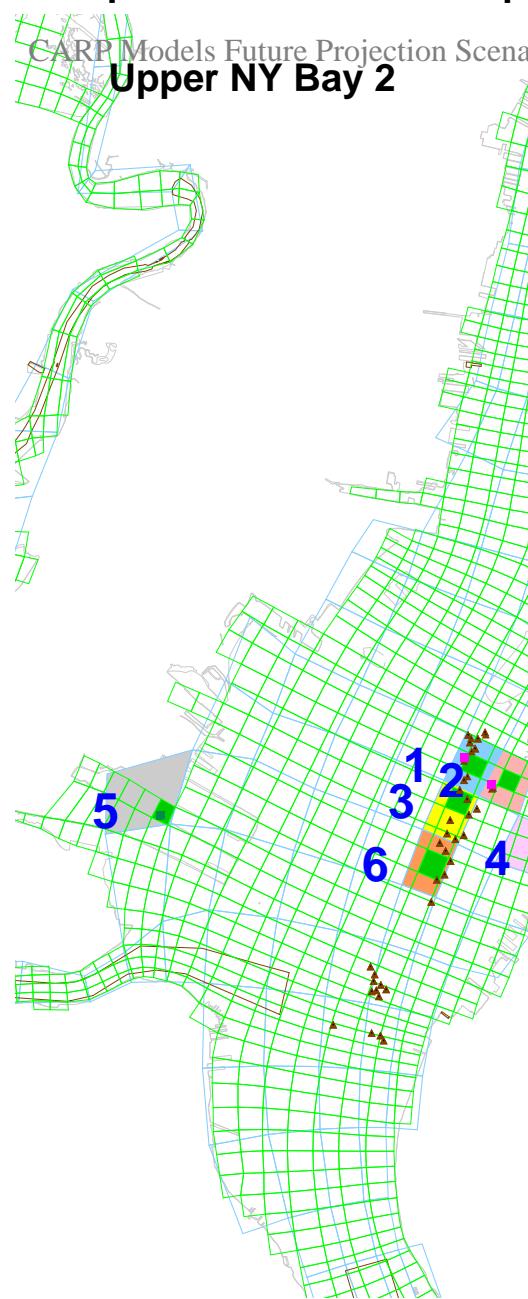
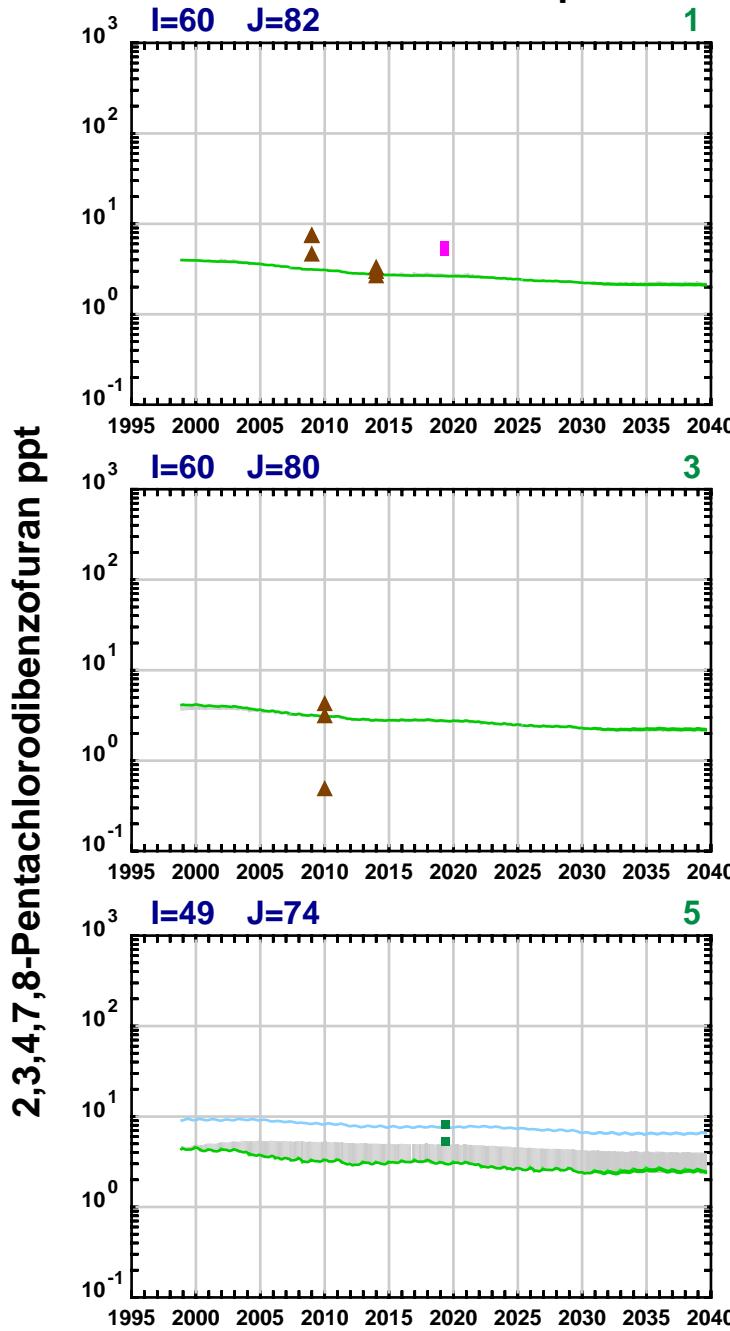
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



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

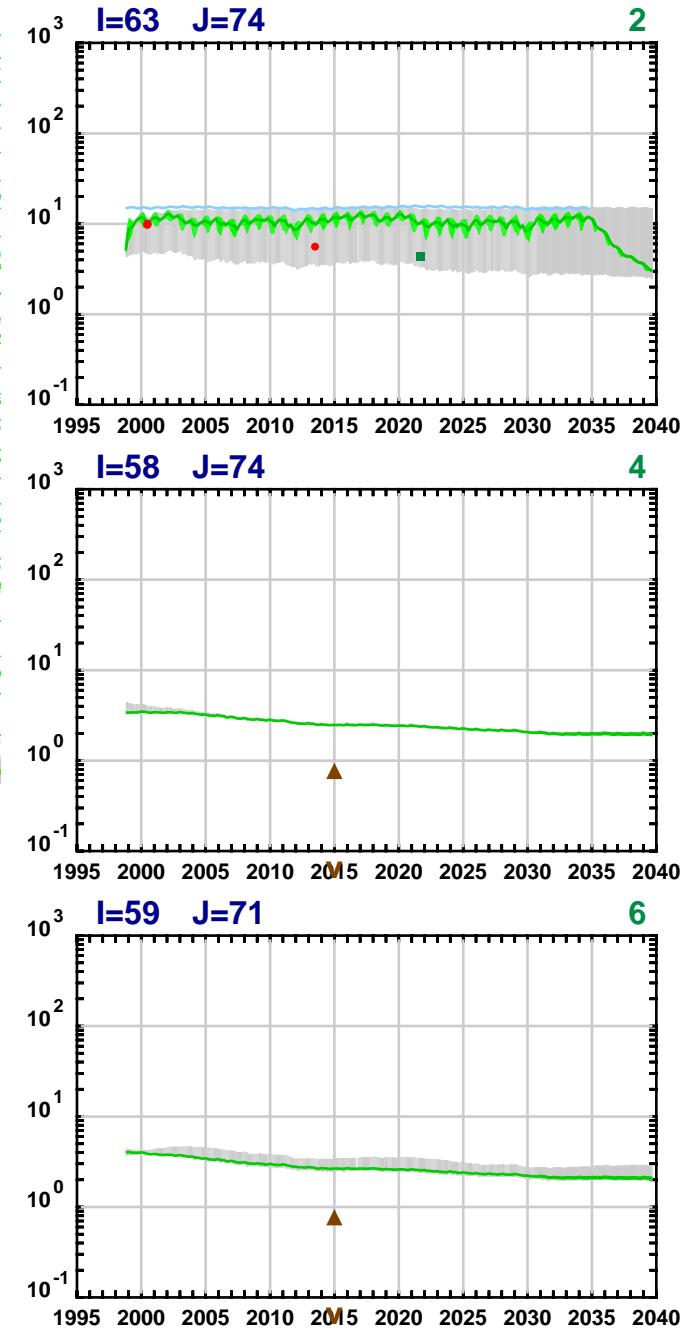
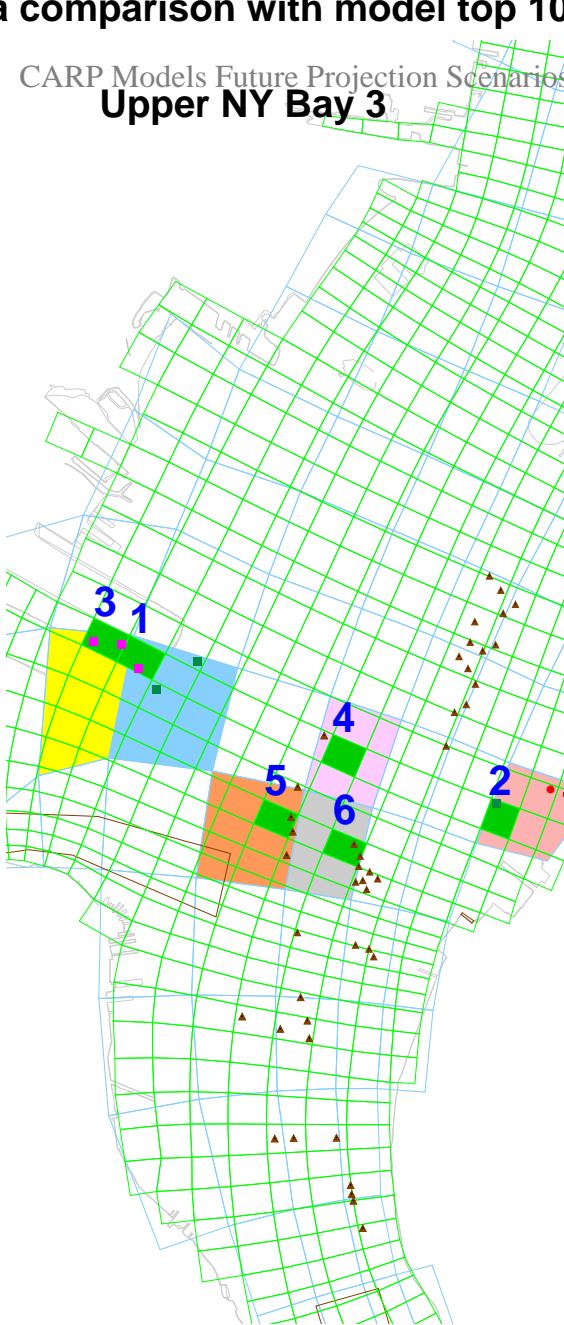
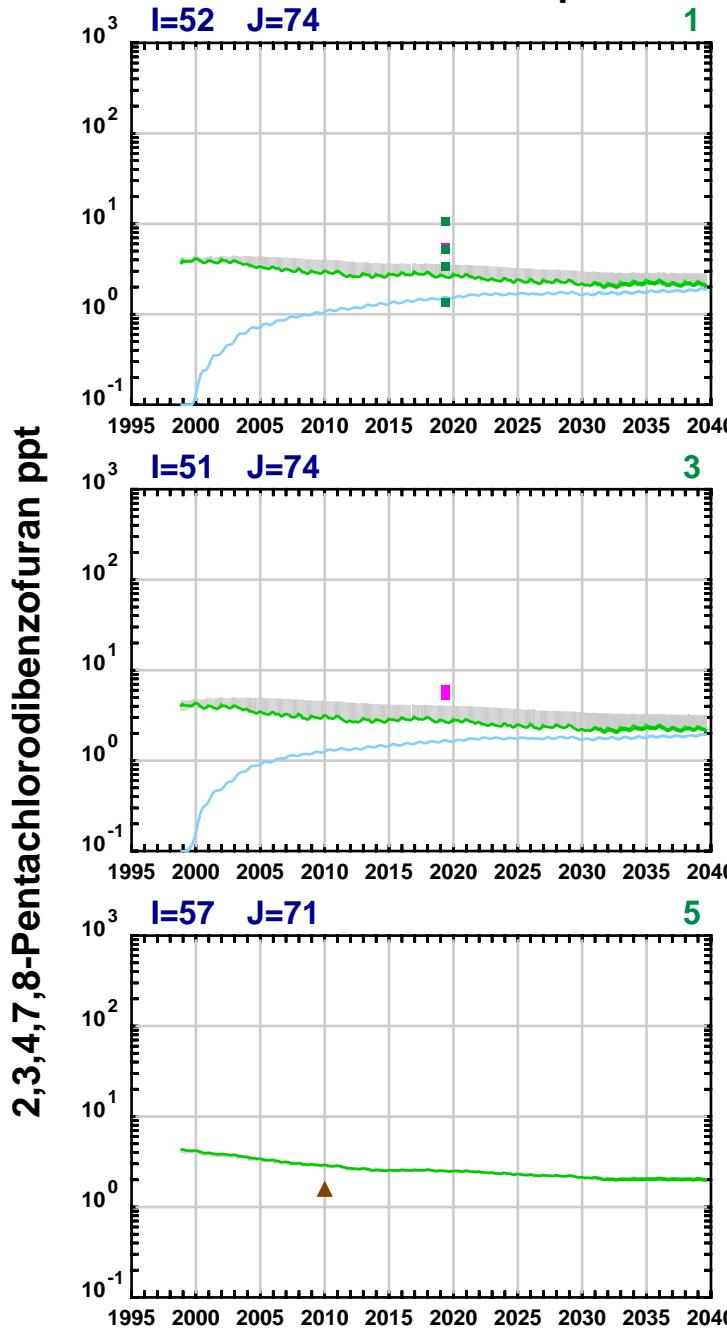
RUN18_PROJ01_PROJ02_R1

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

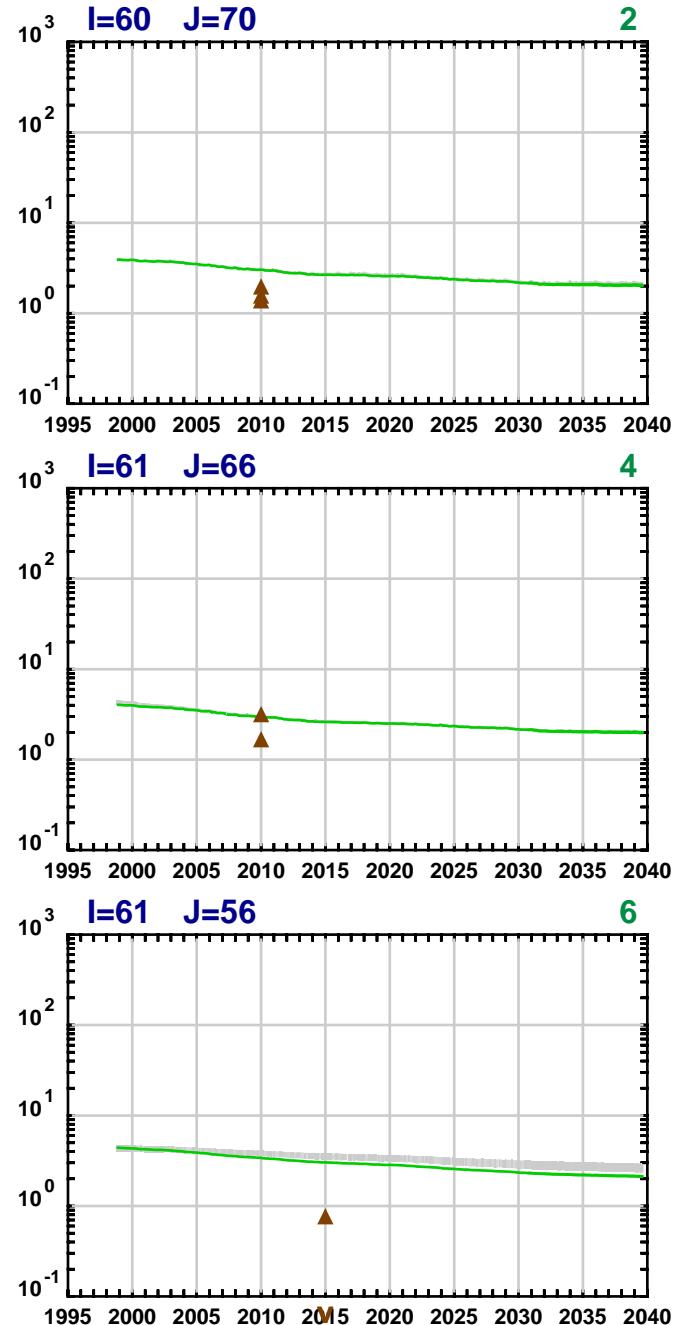
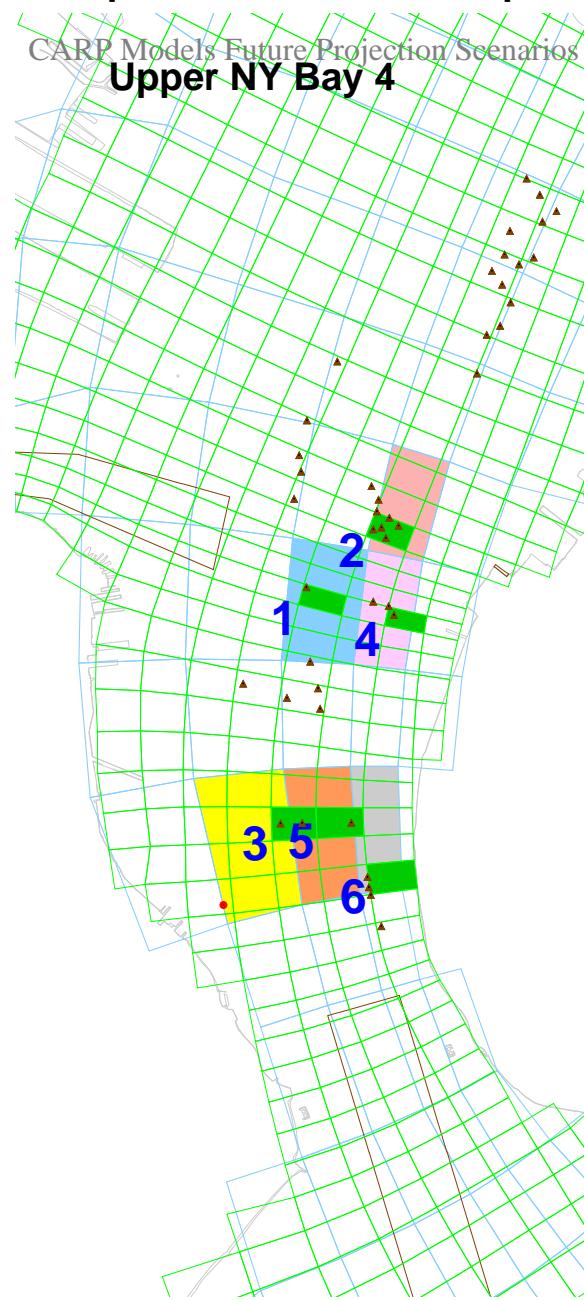
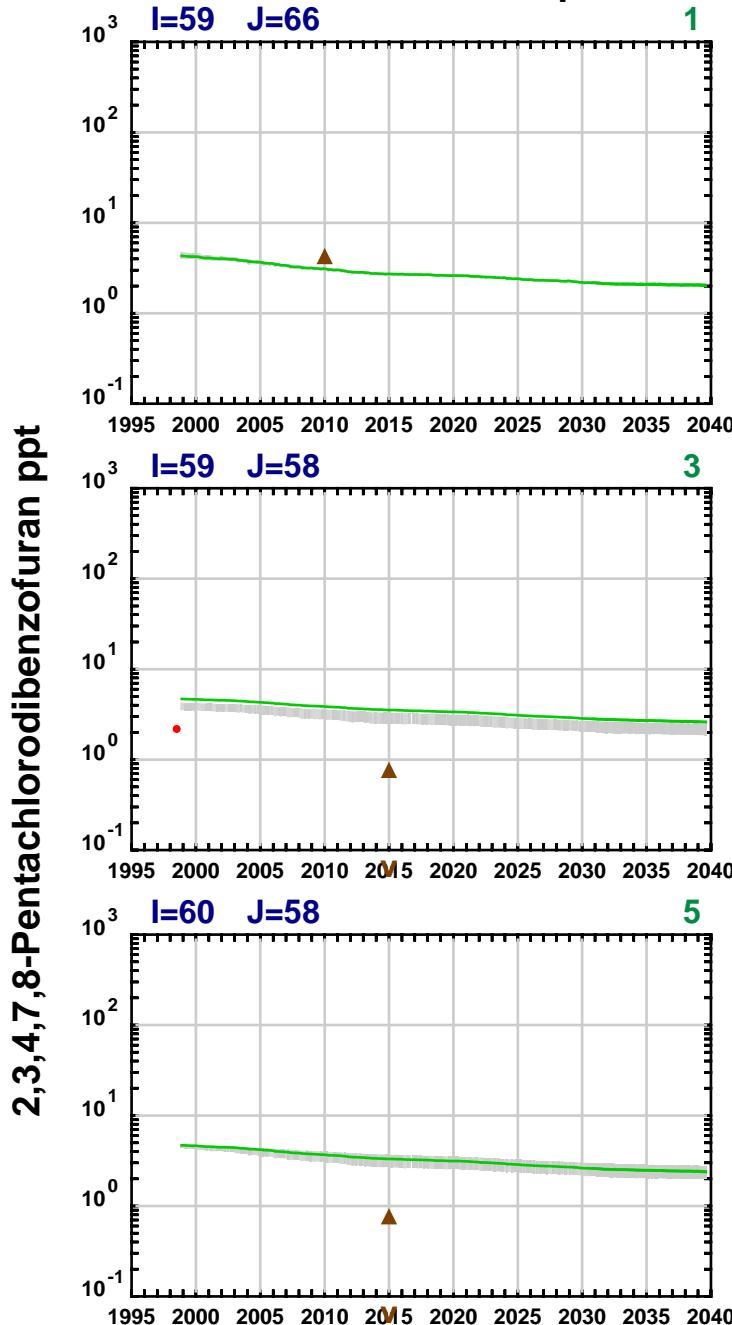
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

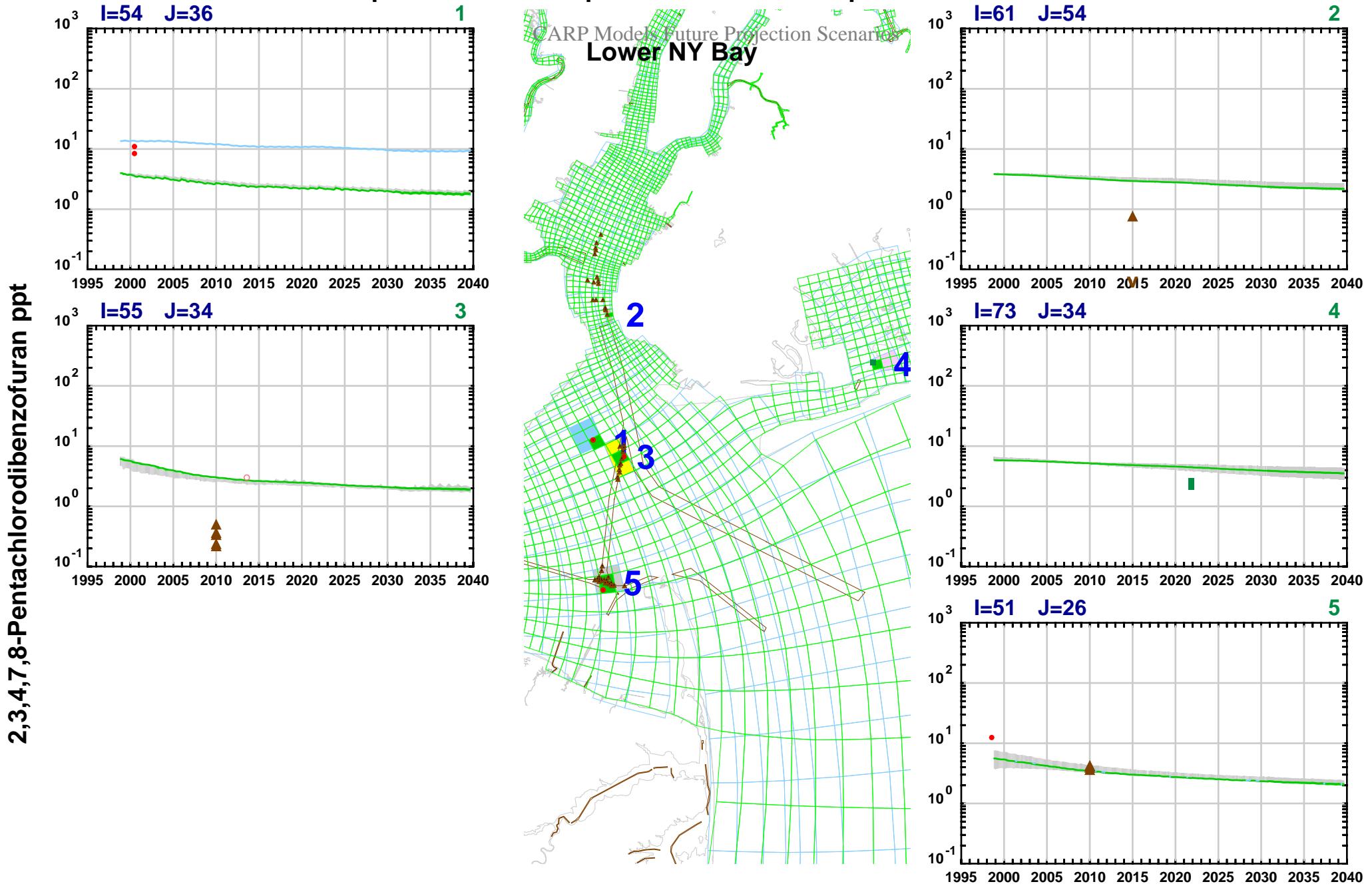
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

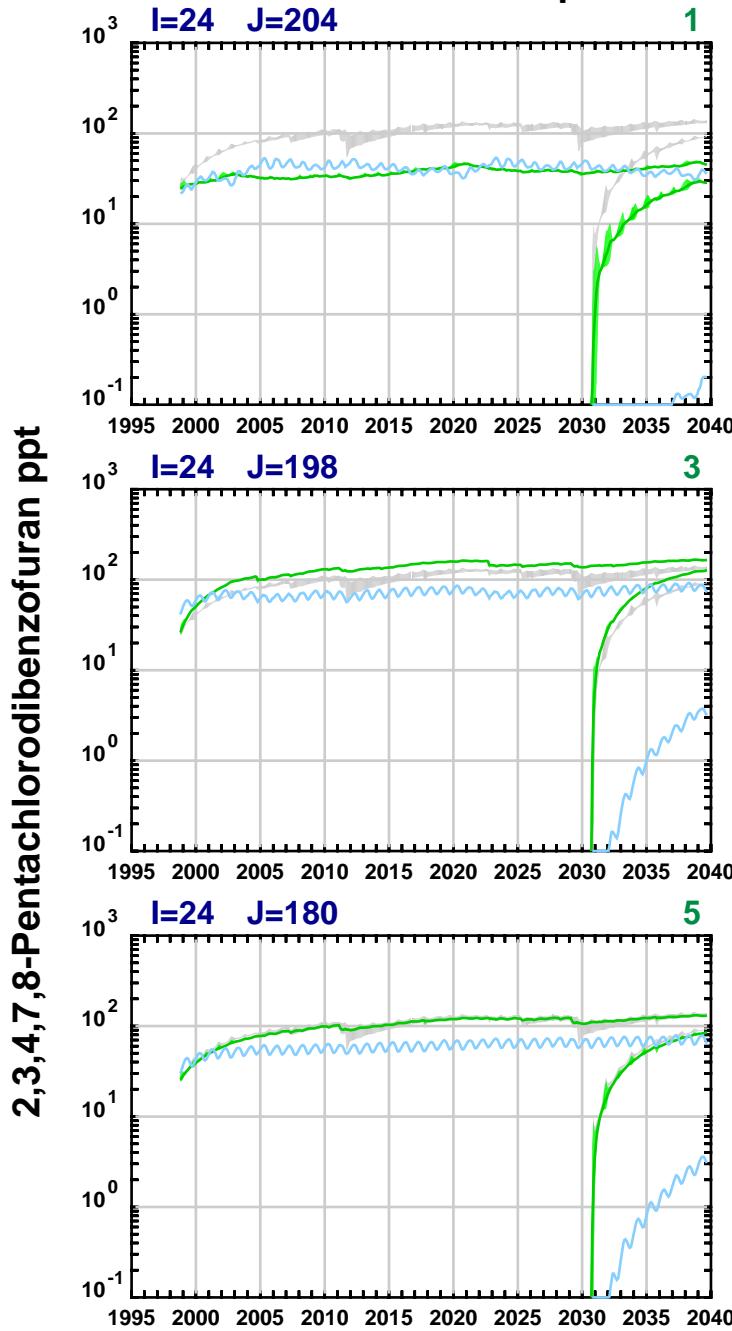
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

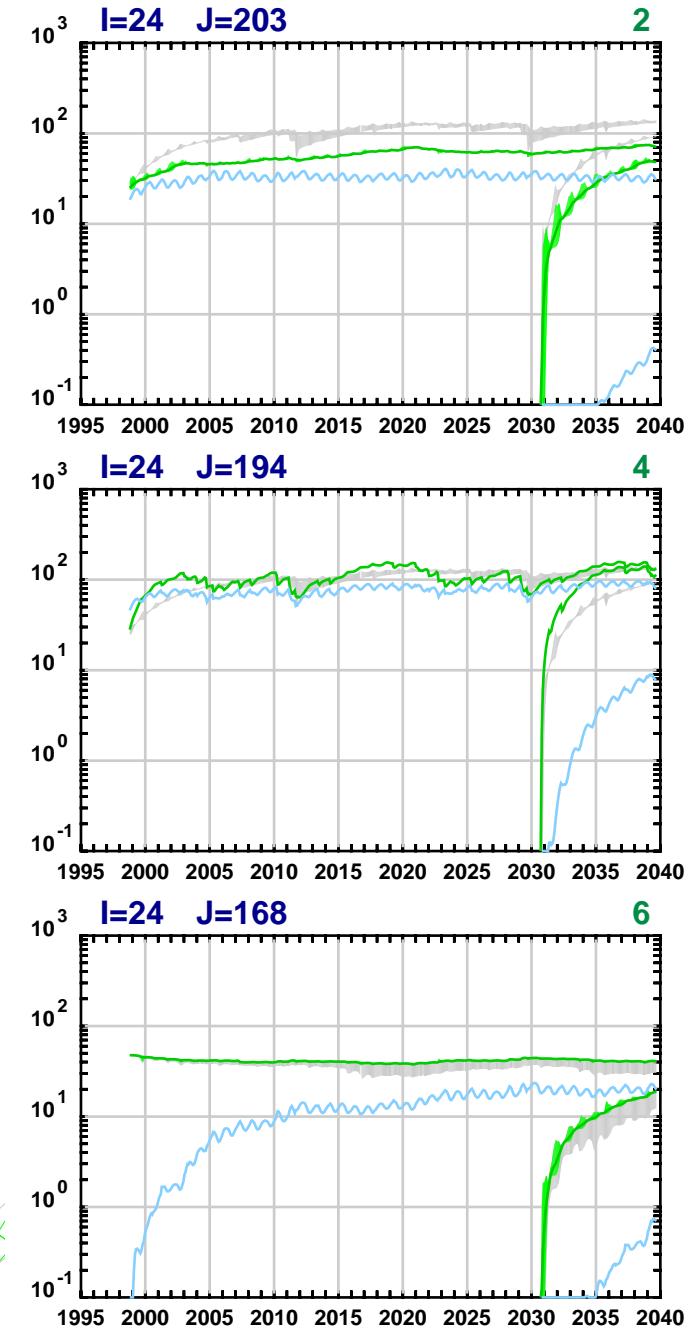
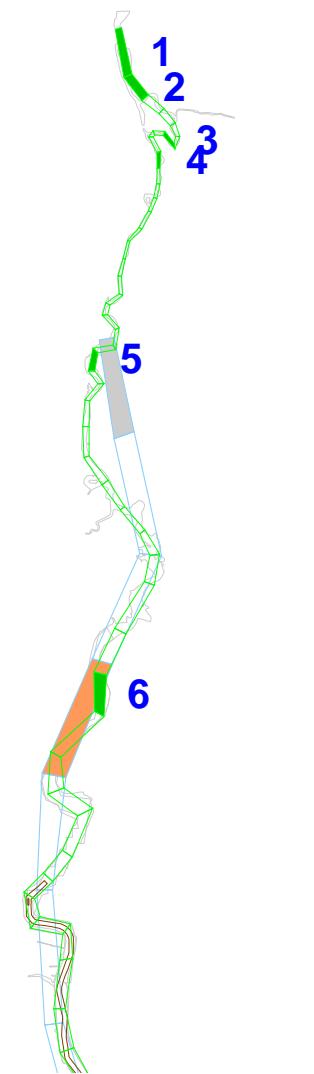
Appendix 1 Page 51 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

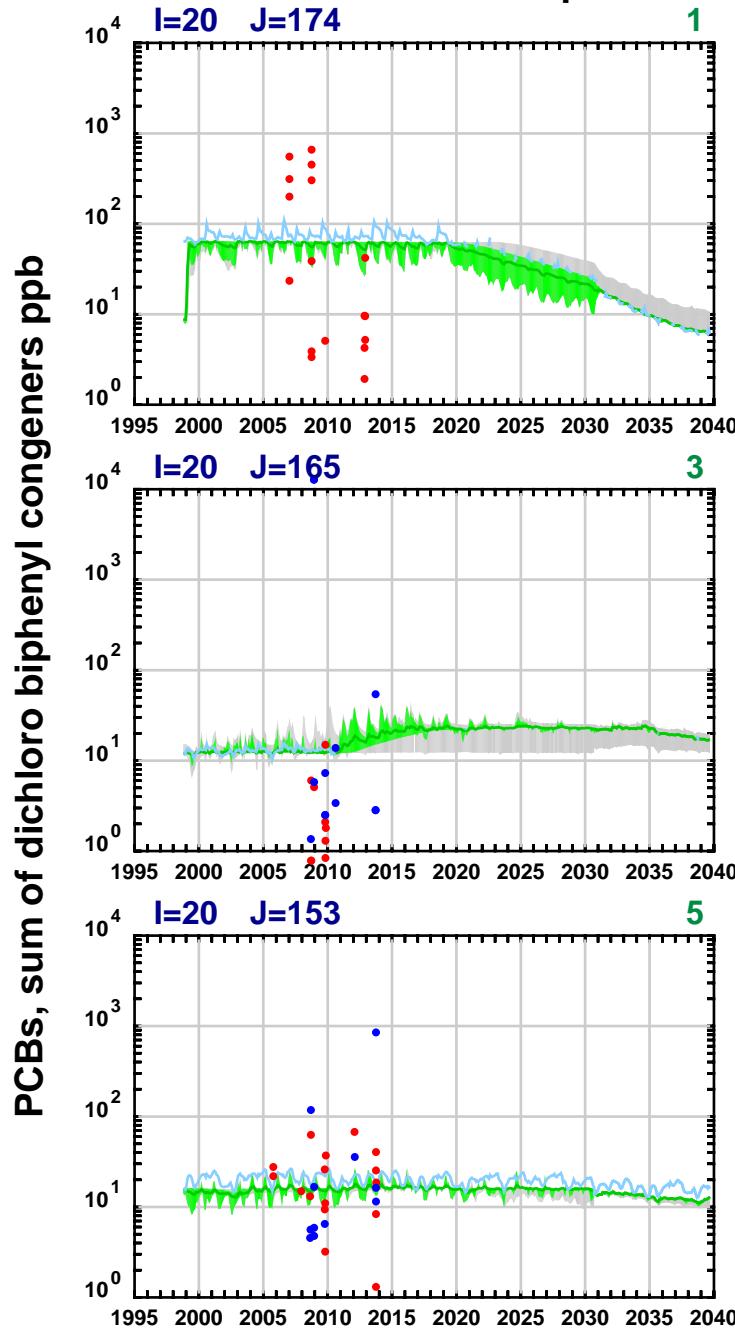
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I

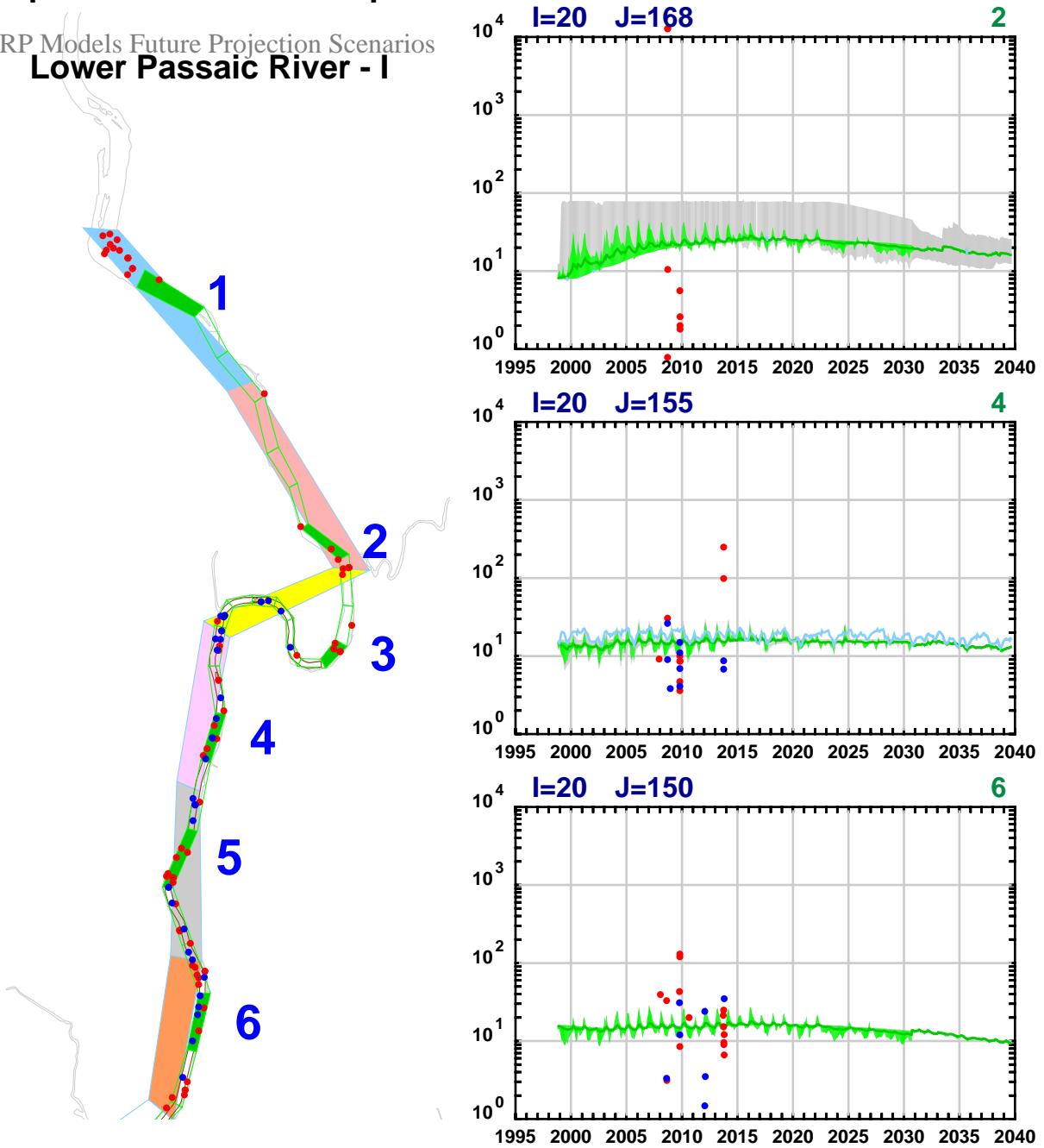
Appendix 1 Page 53 of 239

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

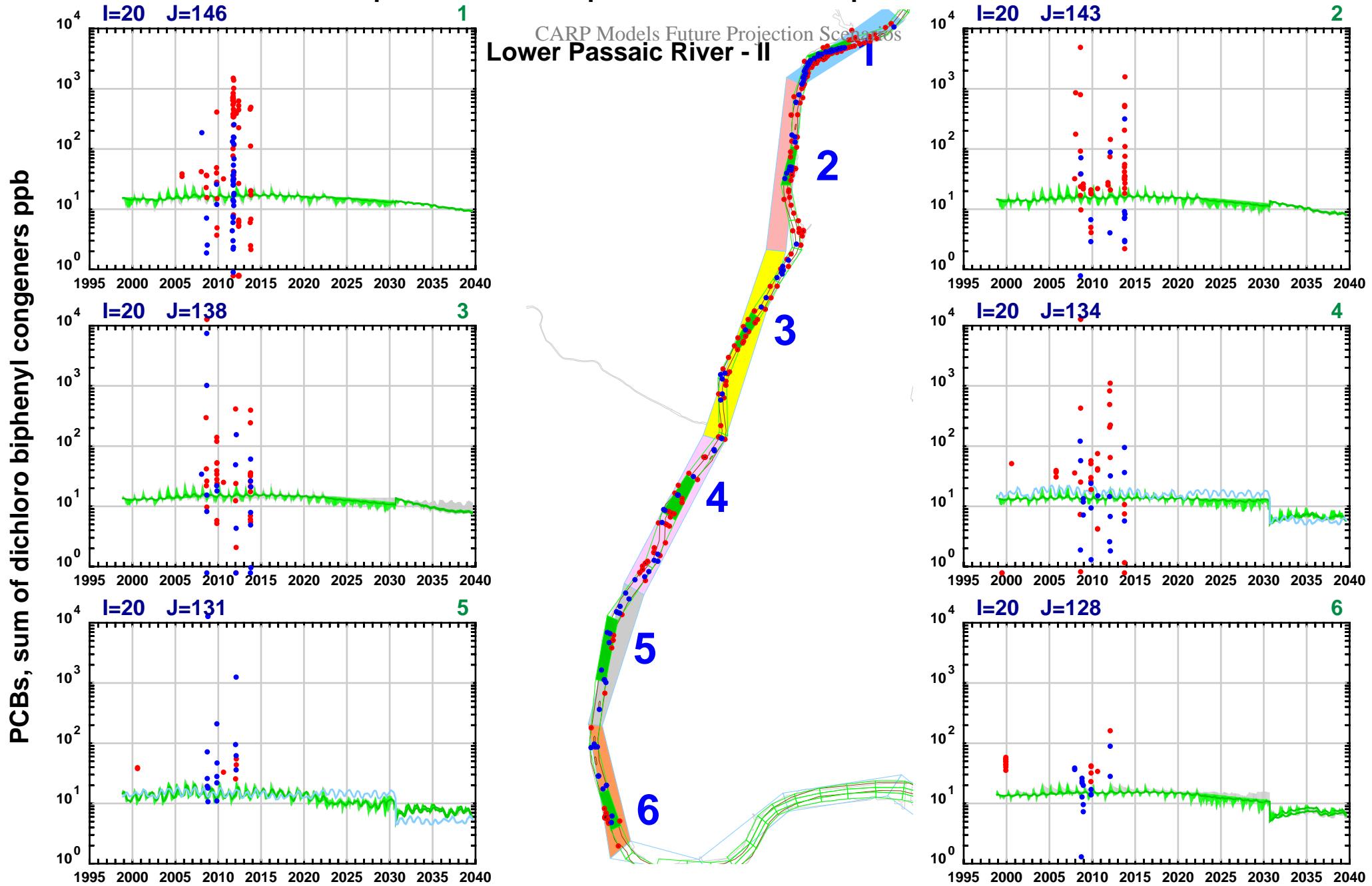
RUN18_PROJ01_PROJ02_R1

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment



Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

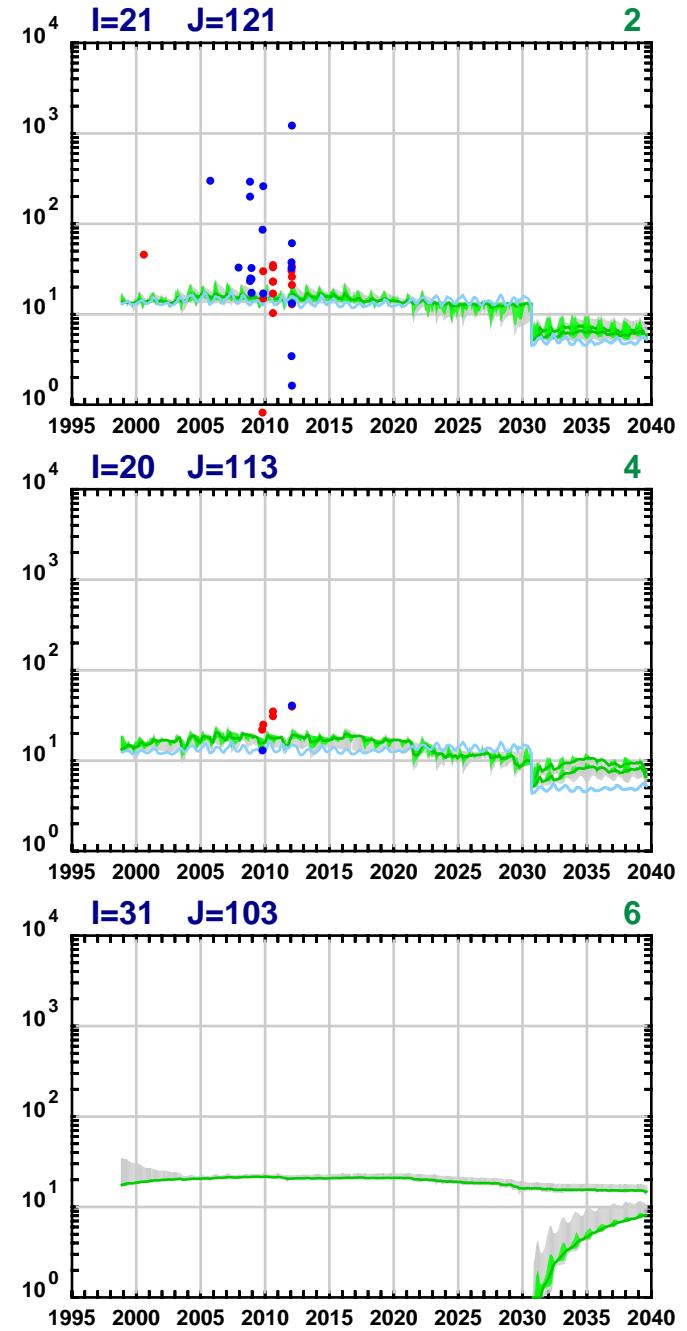
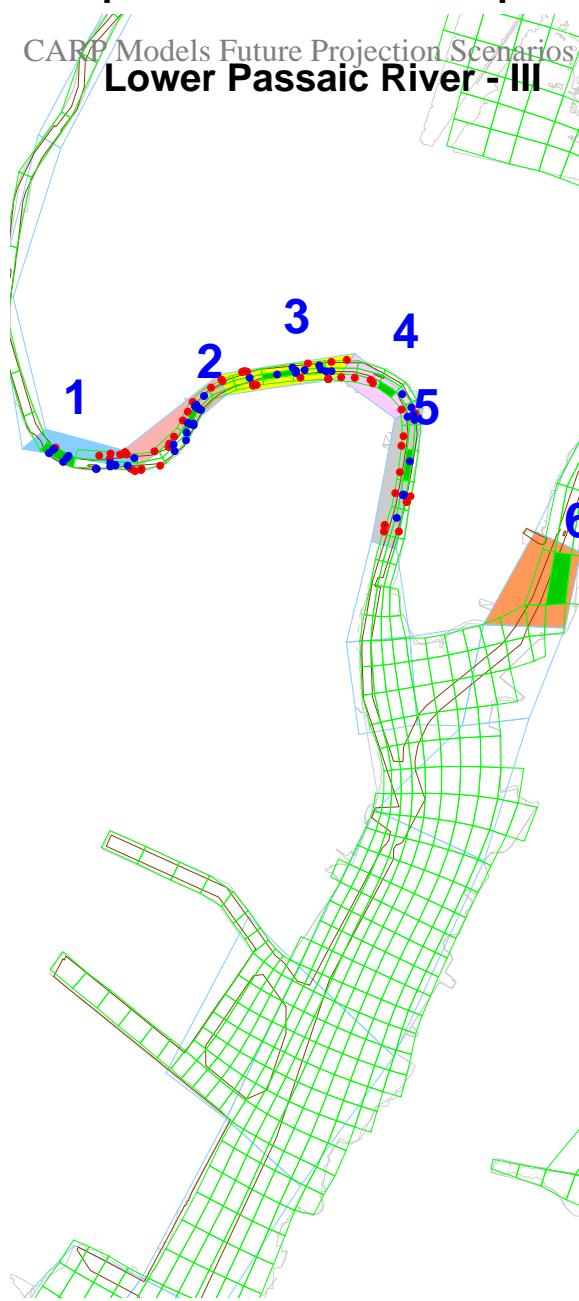
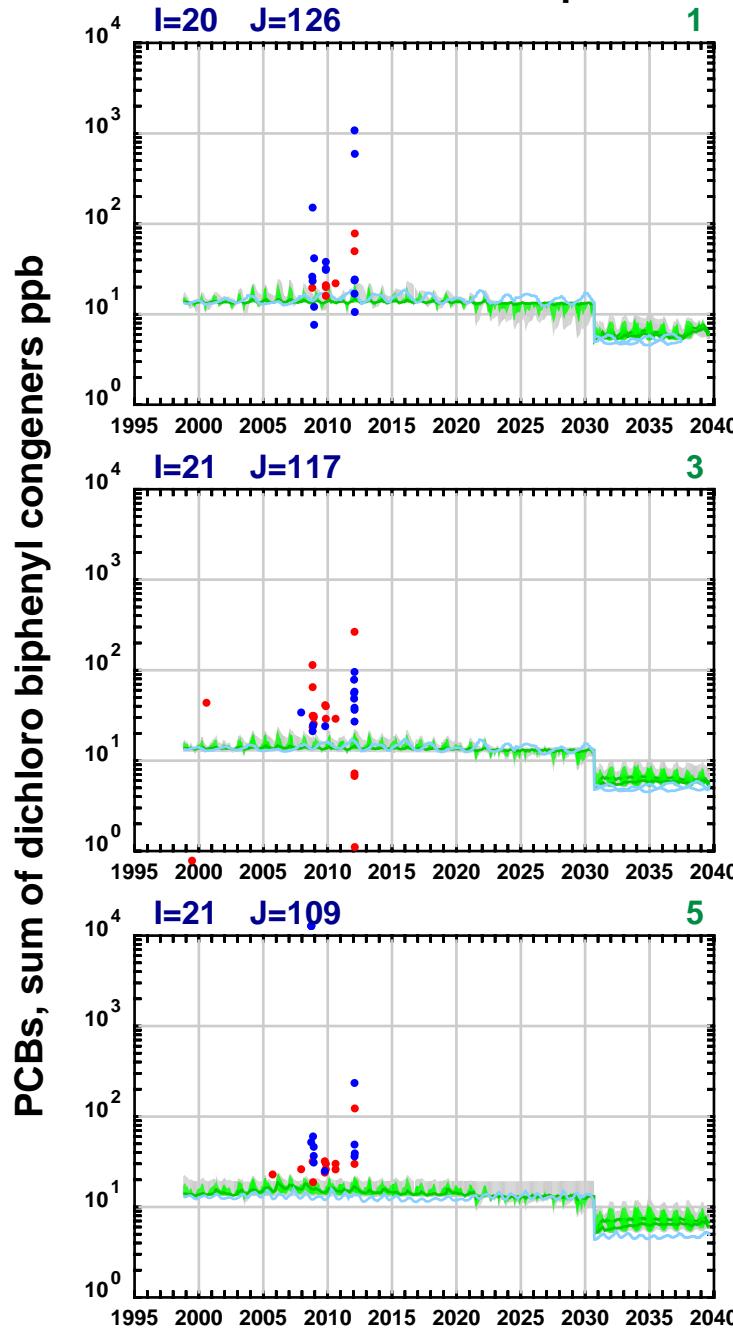
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 54 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

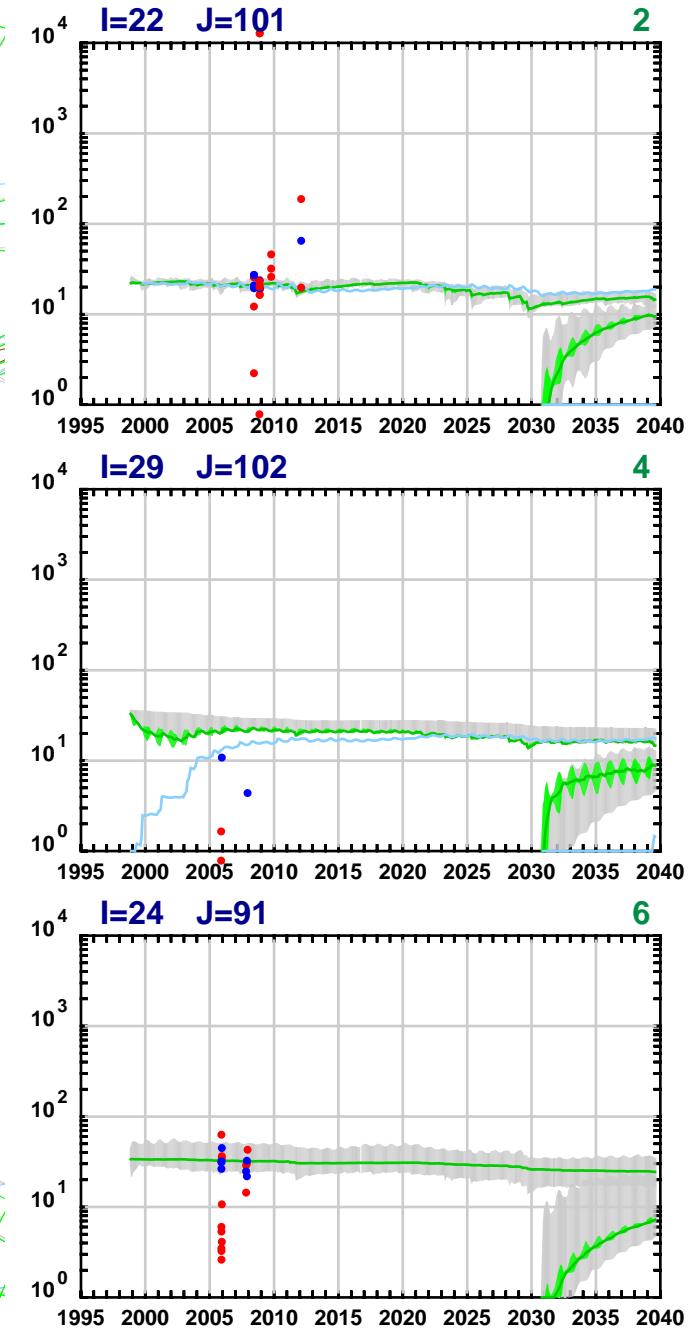
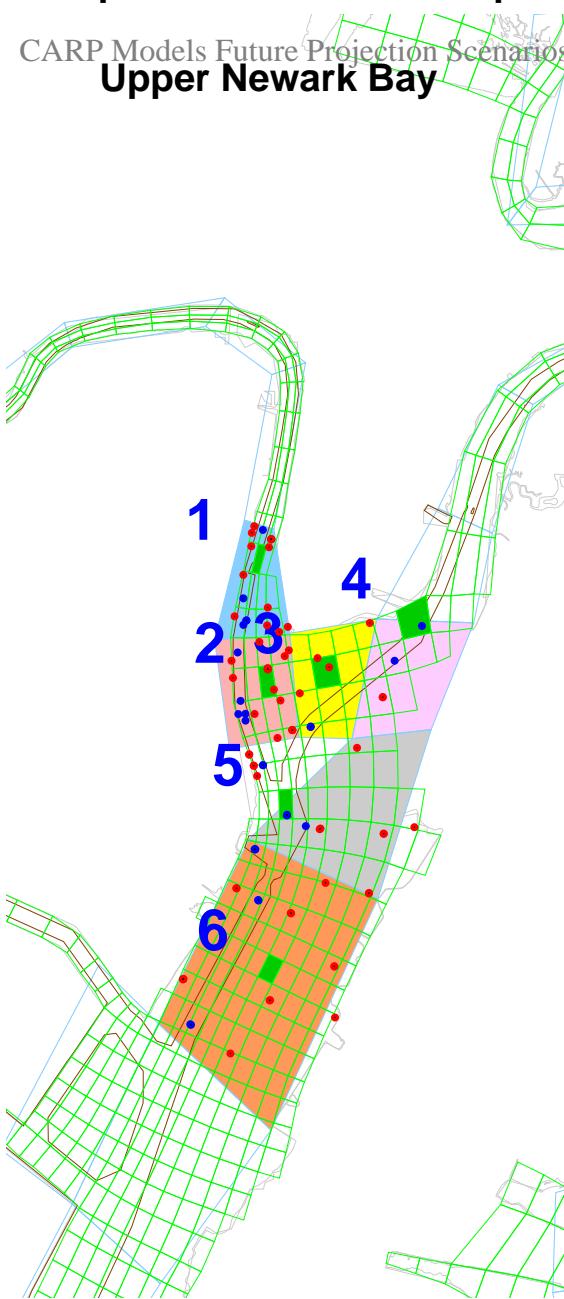
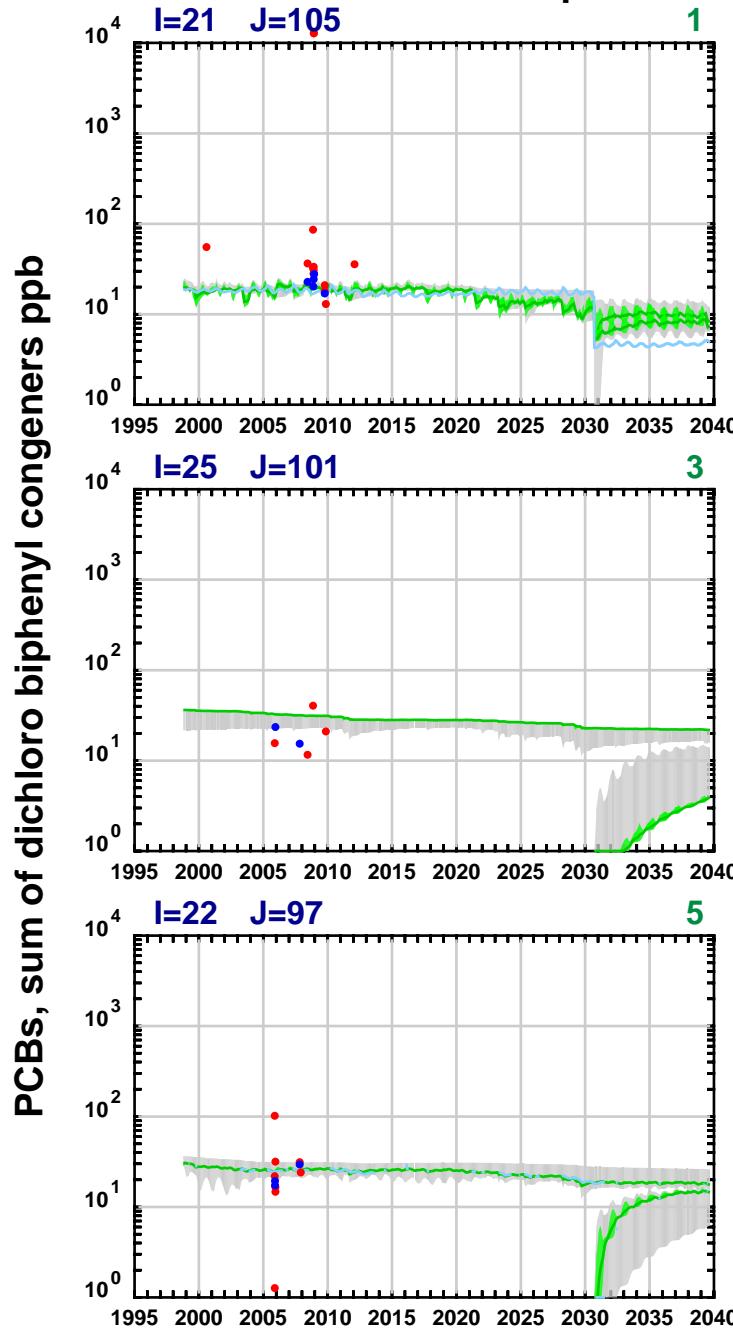
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

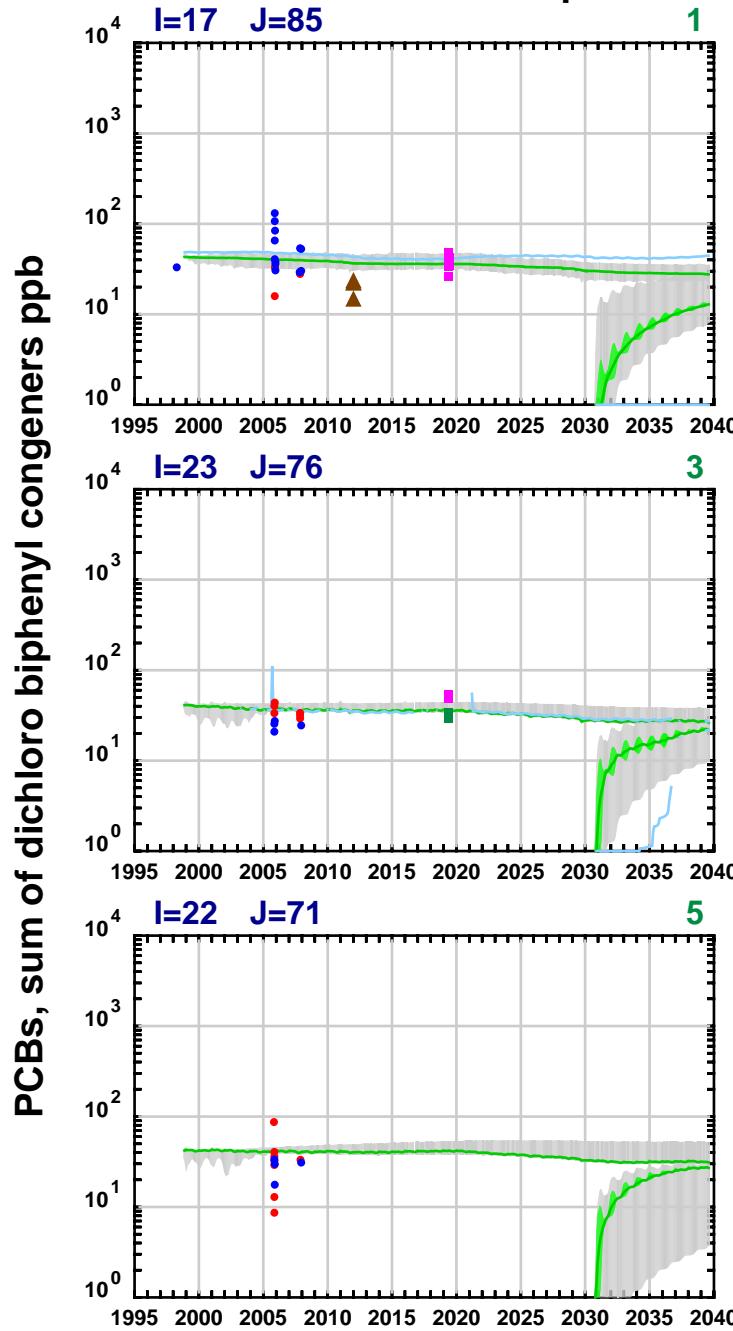
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

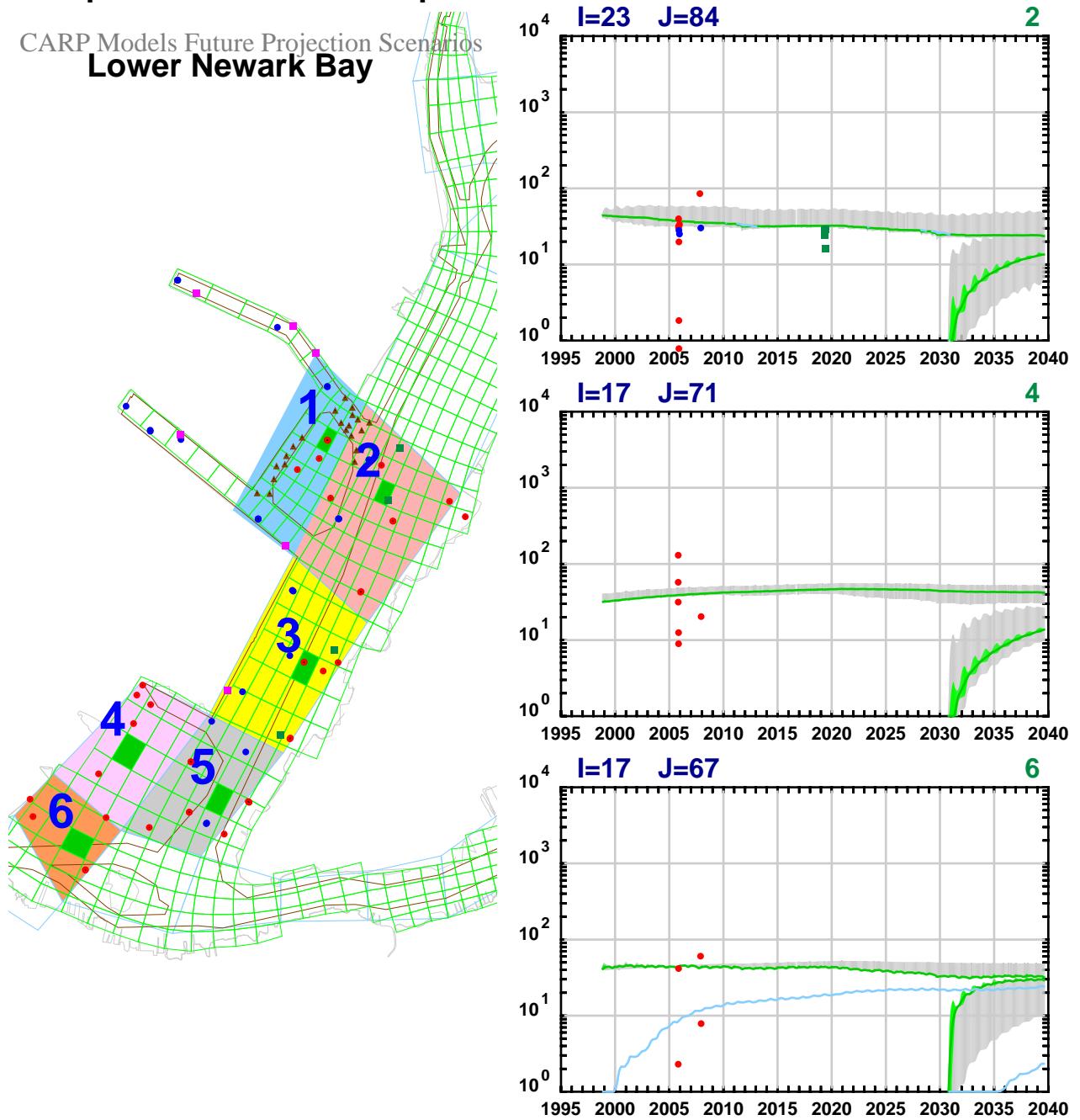
Appendix 1 Page 56 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

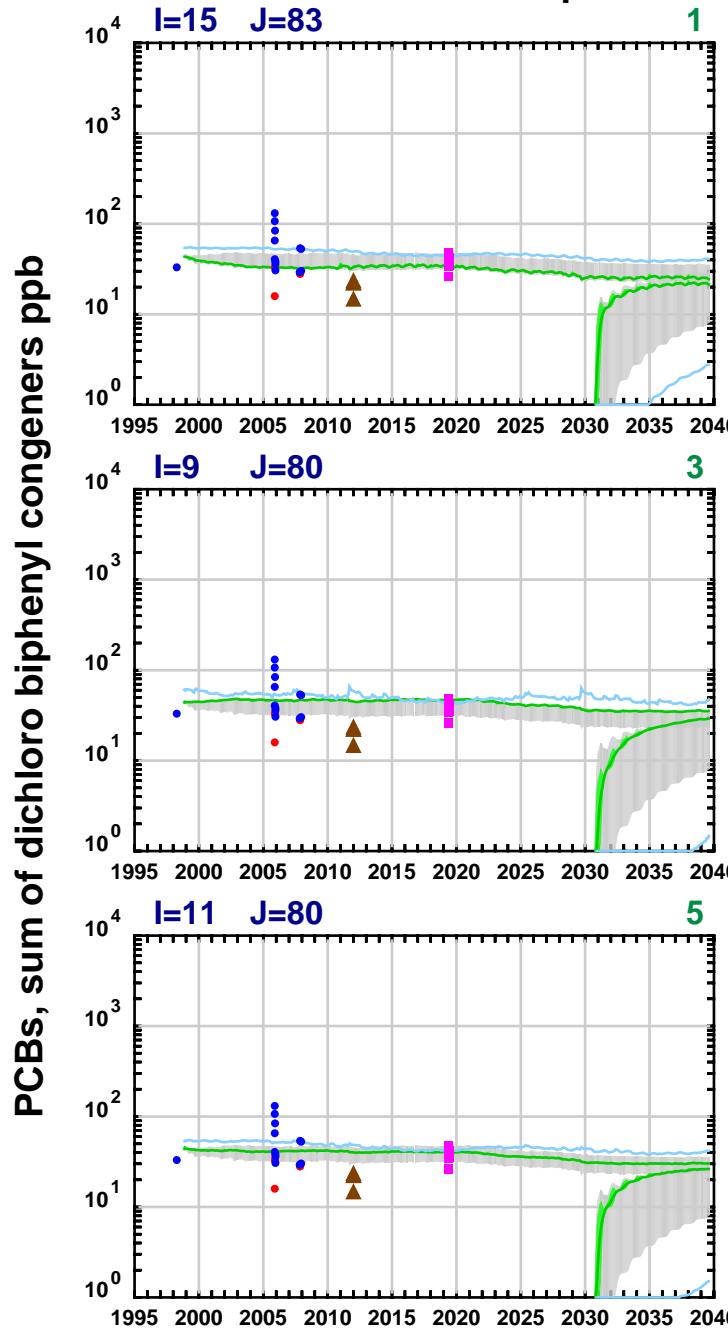
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

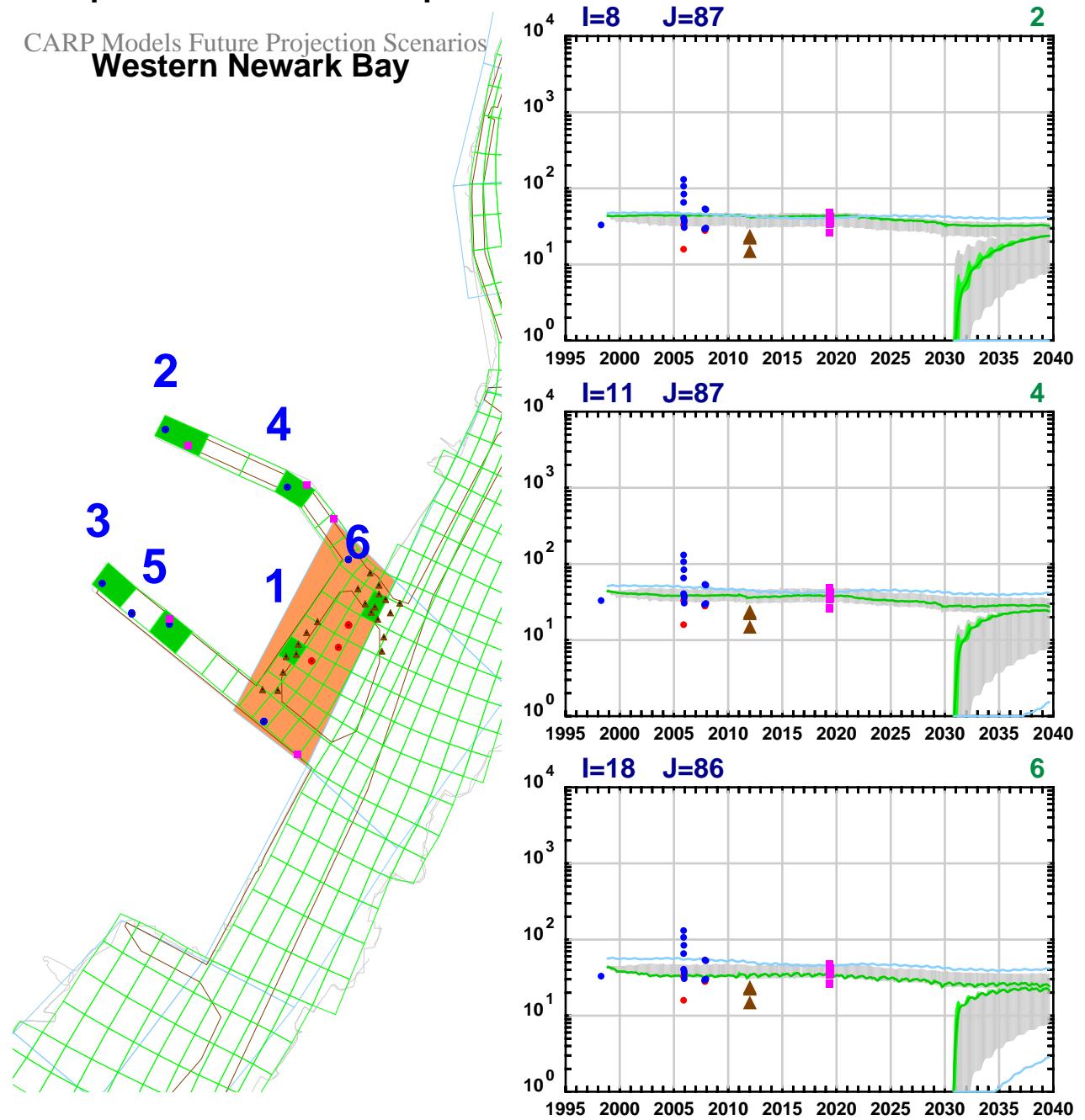
Appendix 1 Page 57 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

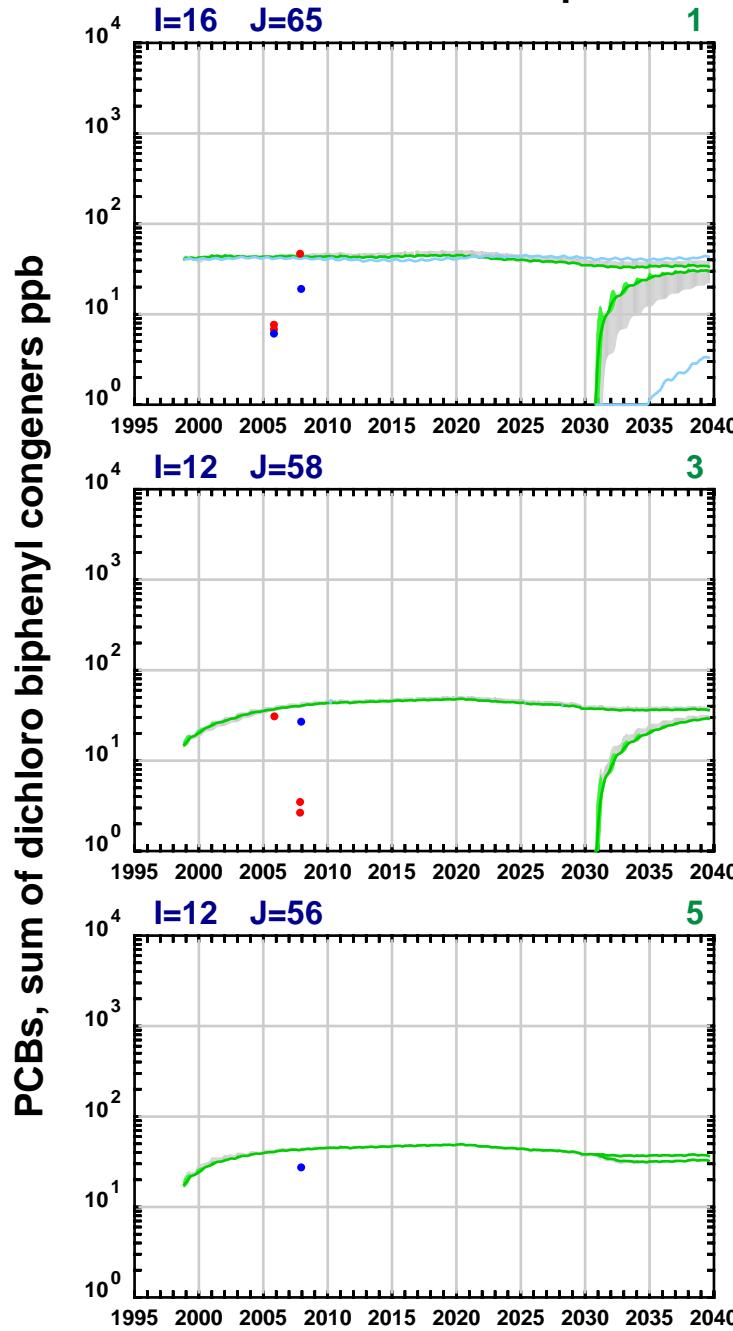
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

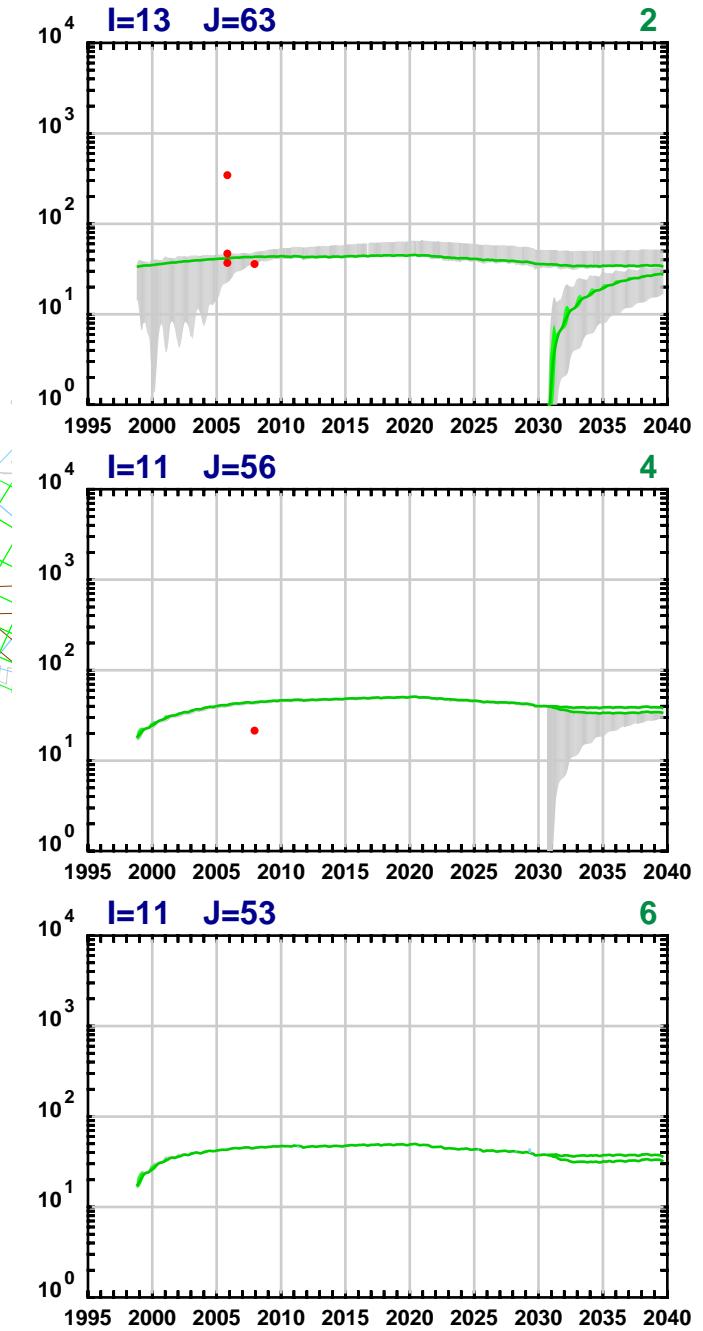
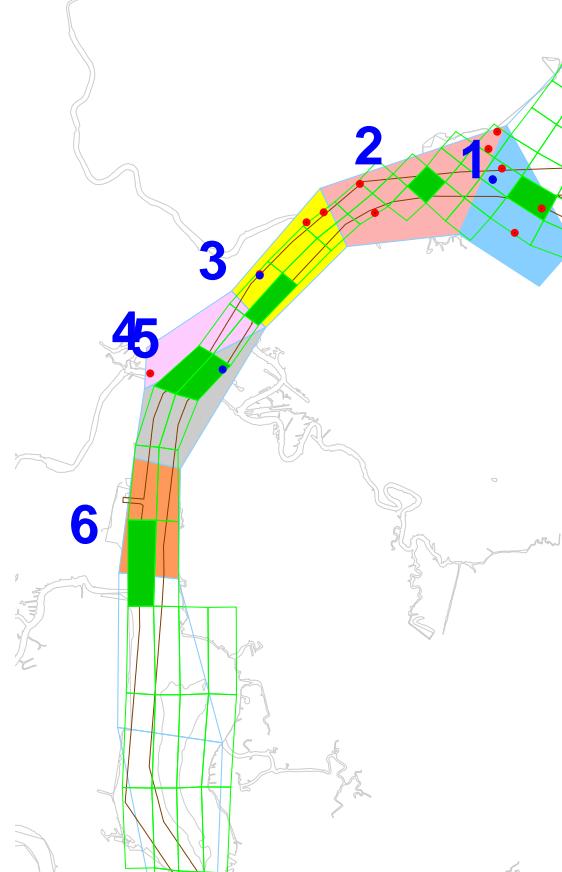
Appendix 1 Page 58 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

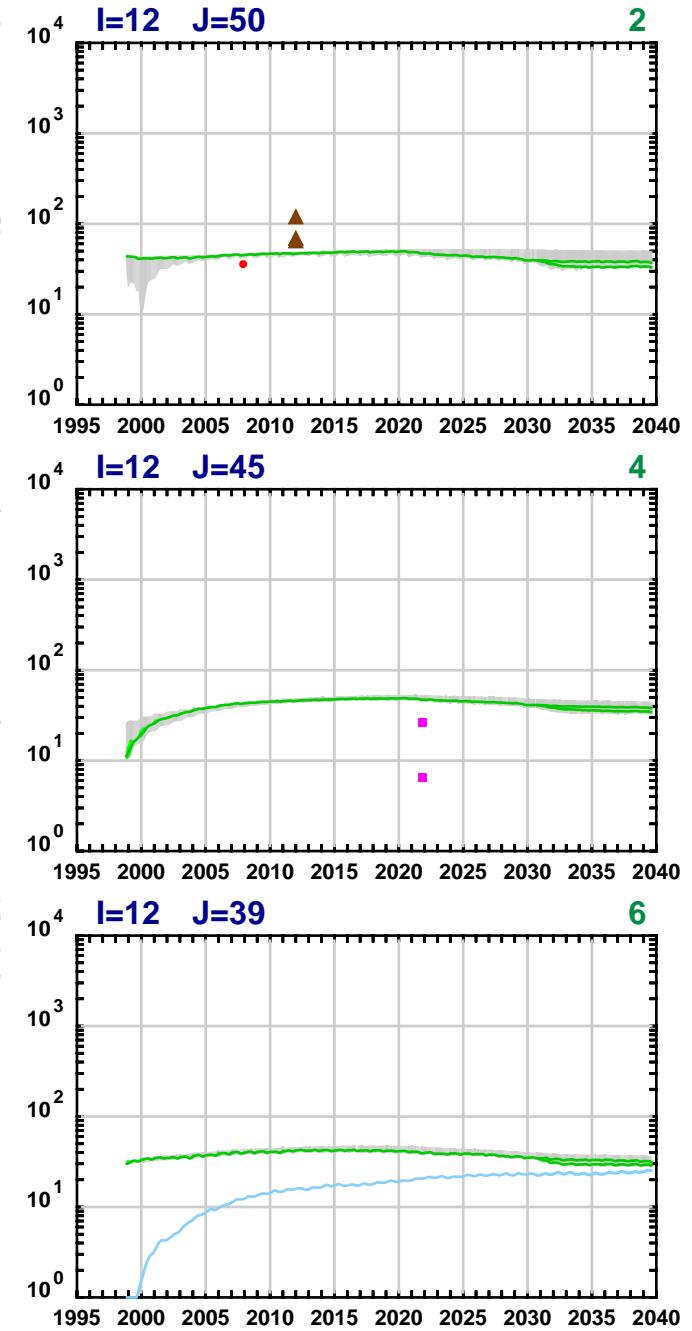
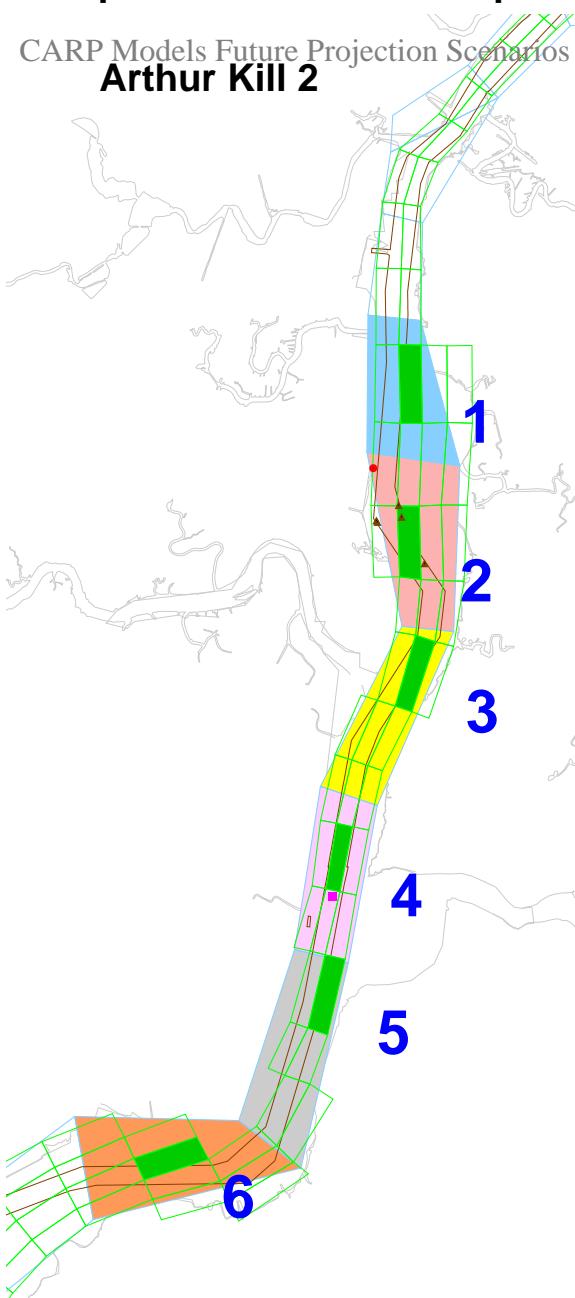
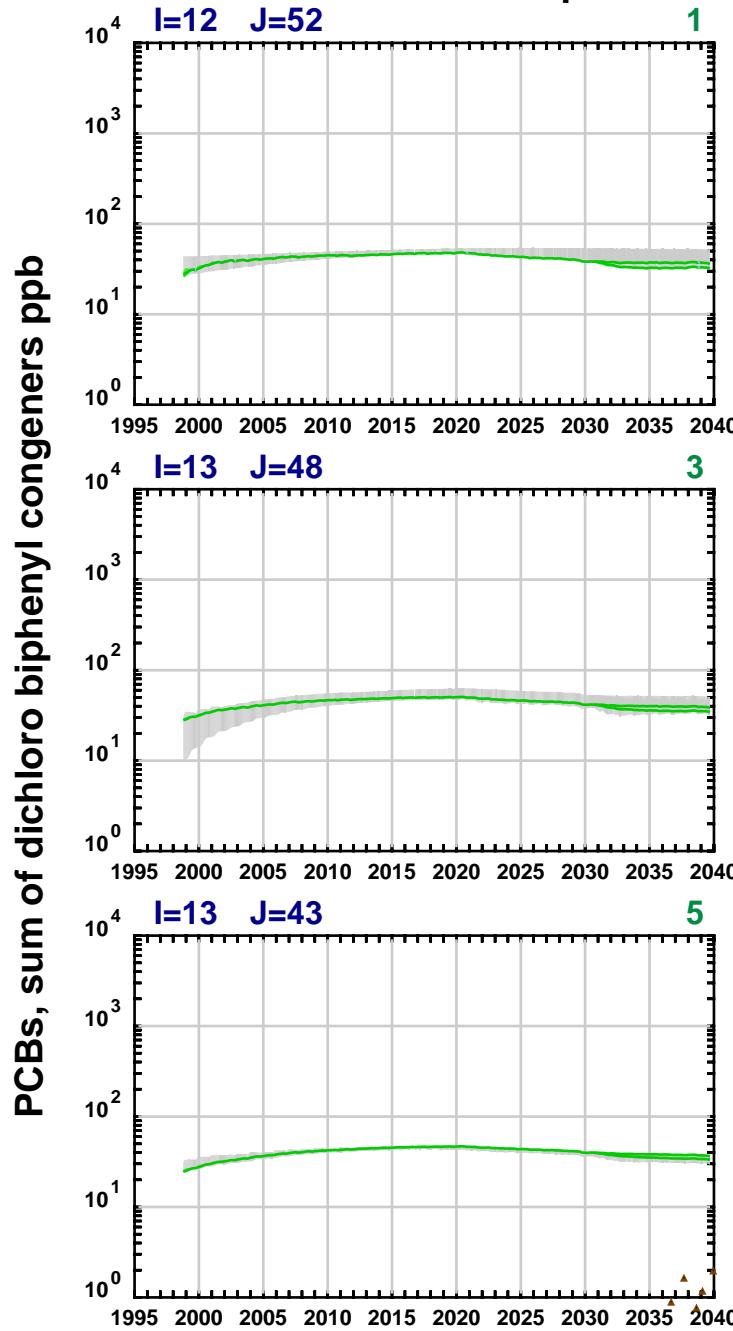
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

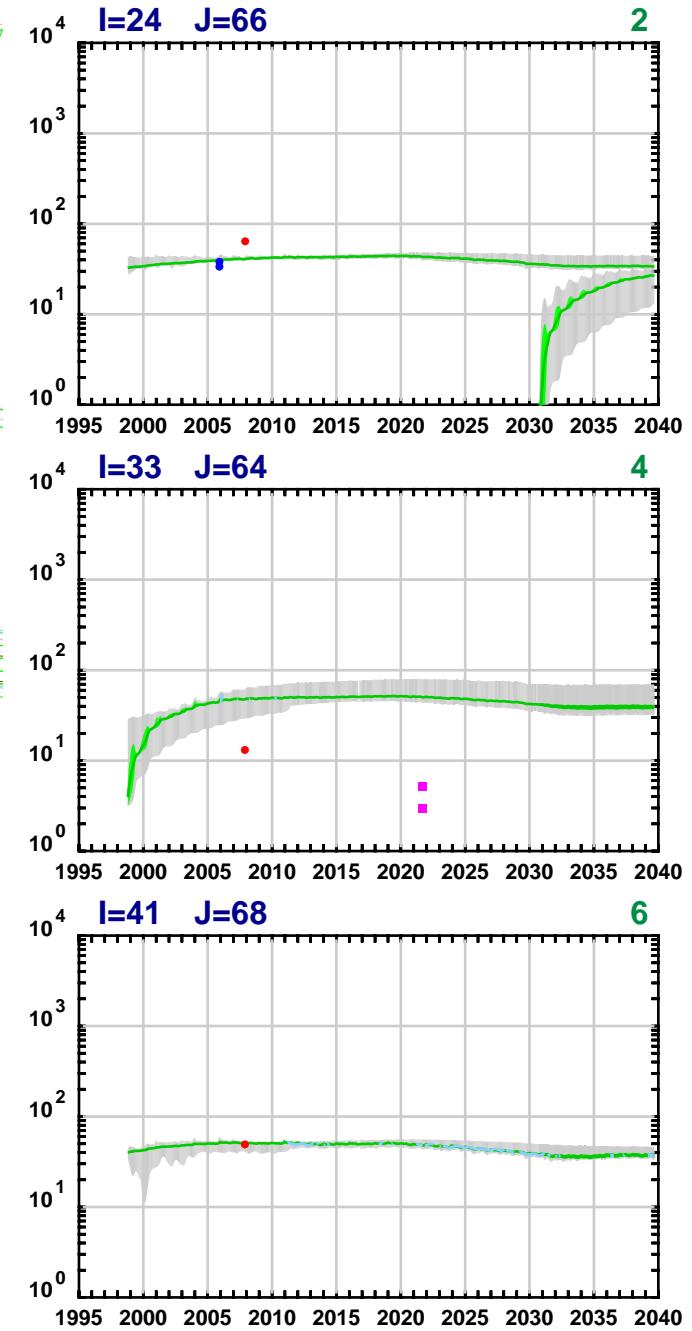
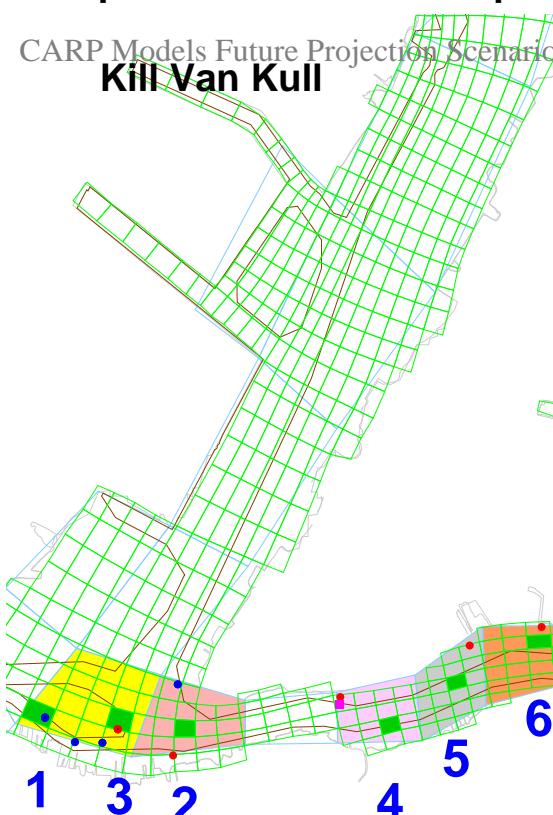
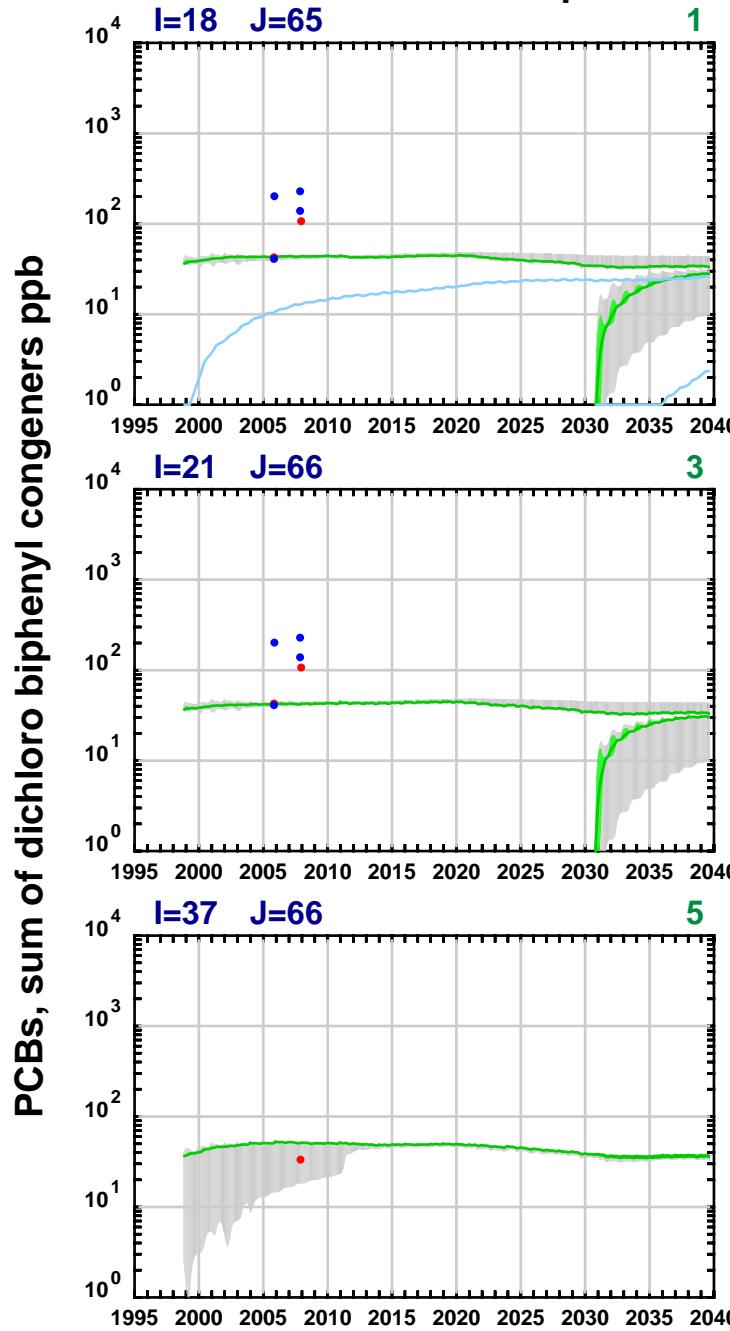
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 60 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

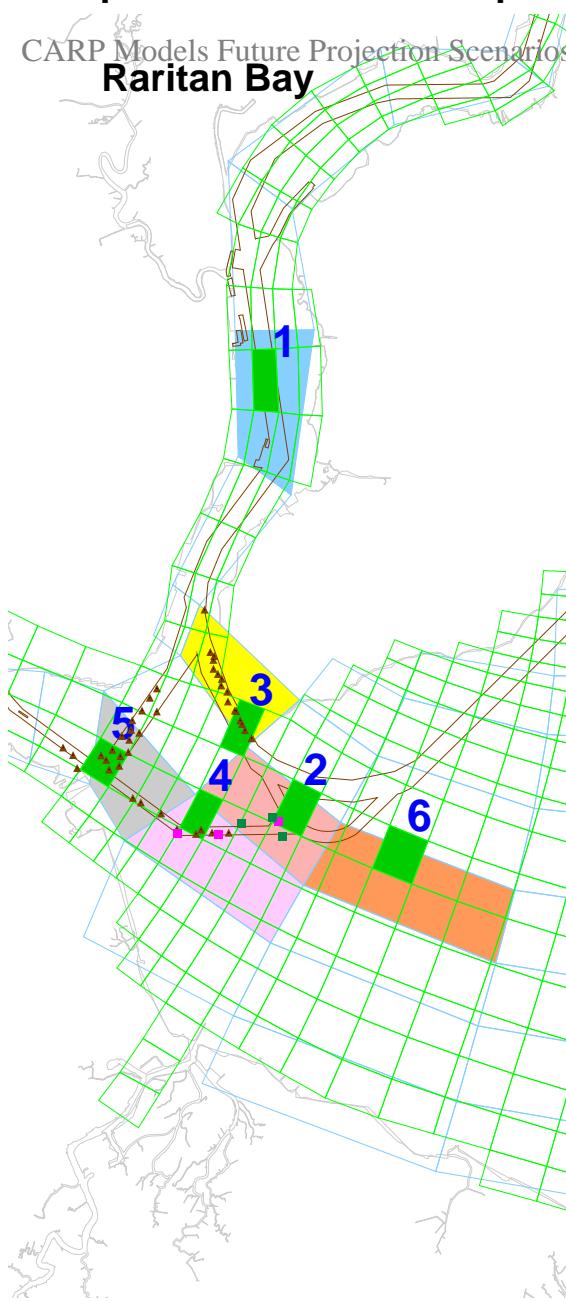
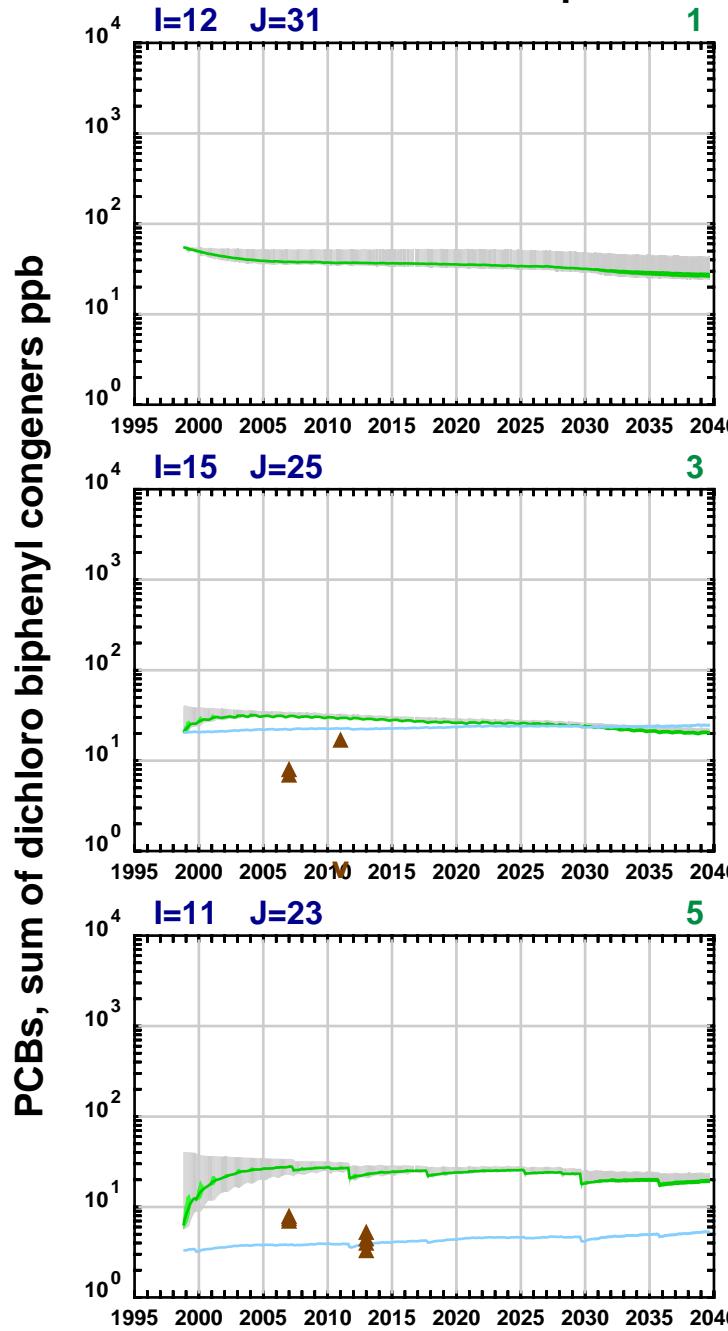
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 61 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



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

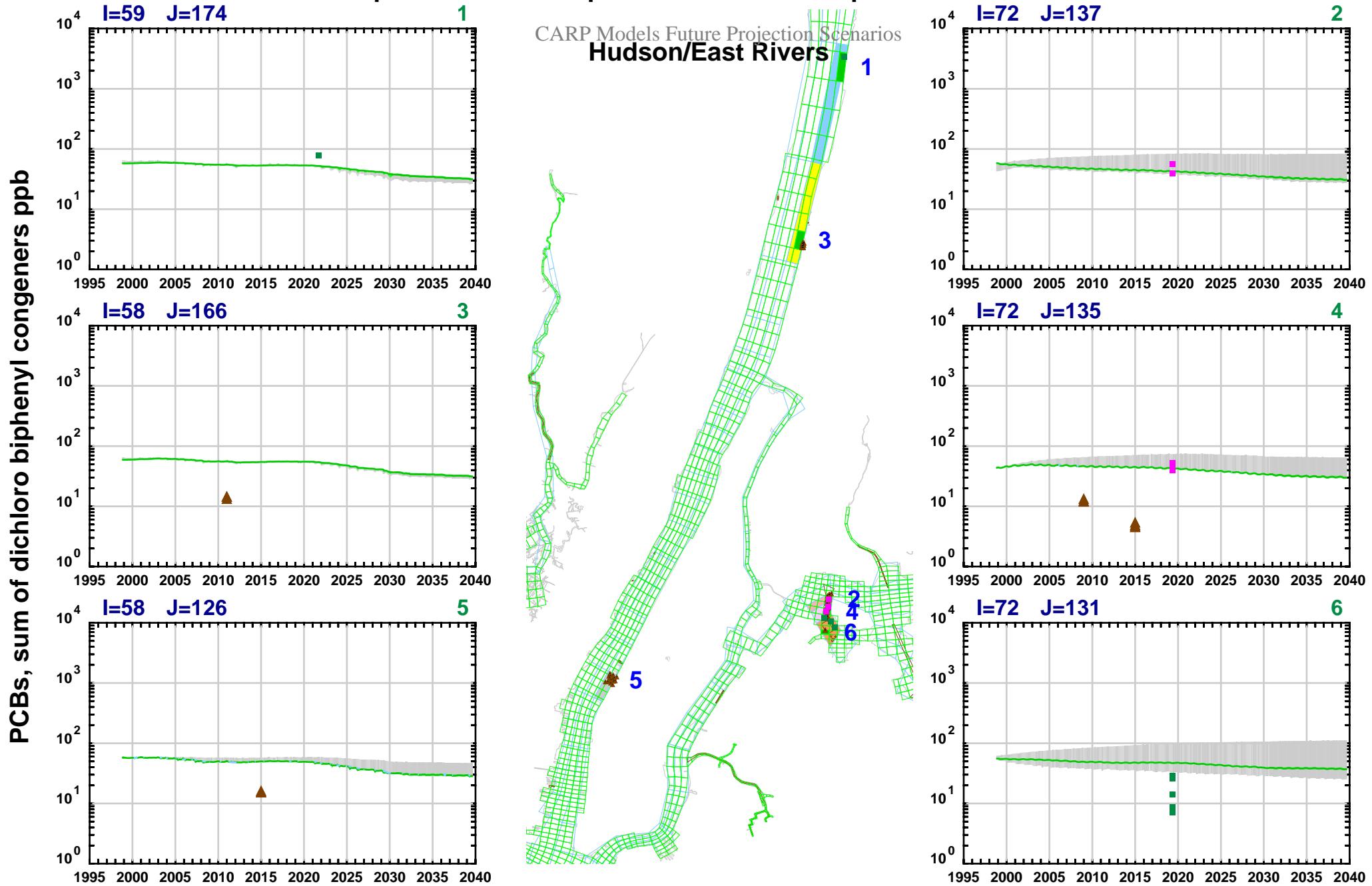
RUN18_PROJ01_PROJ02_R1

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

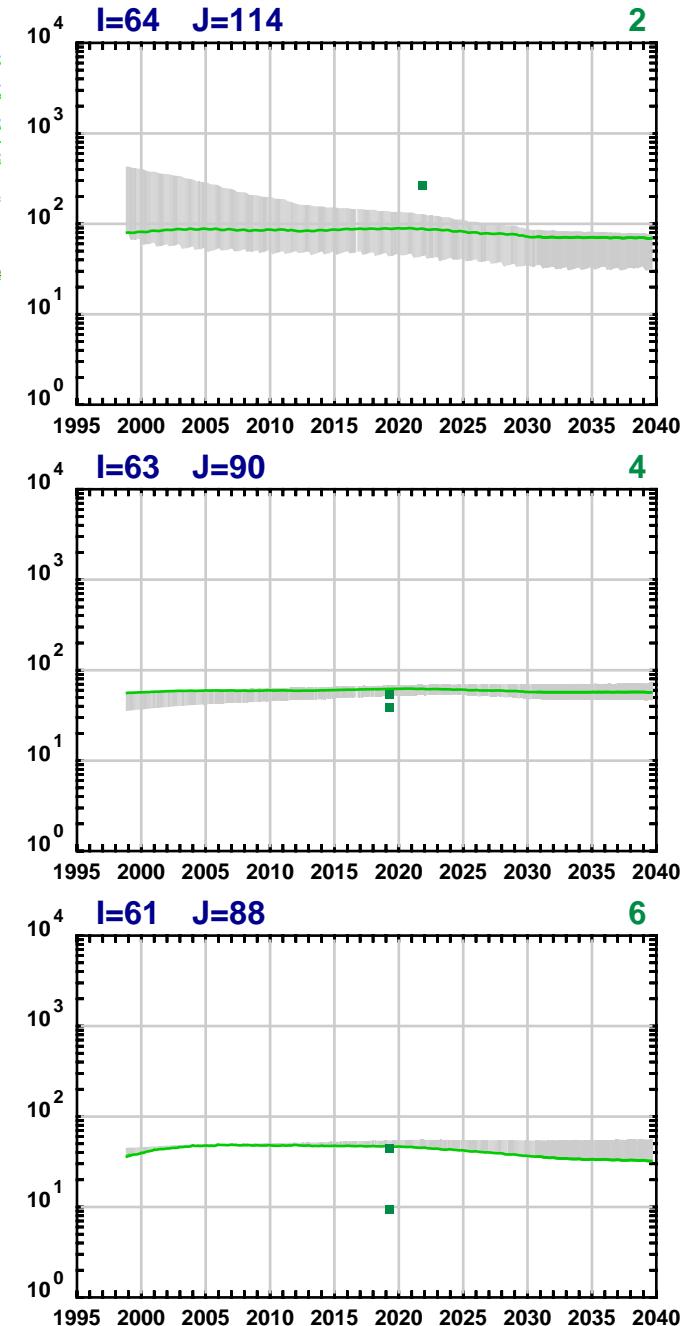
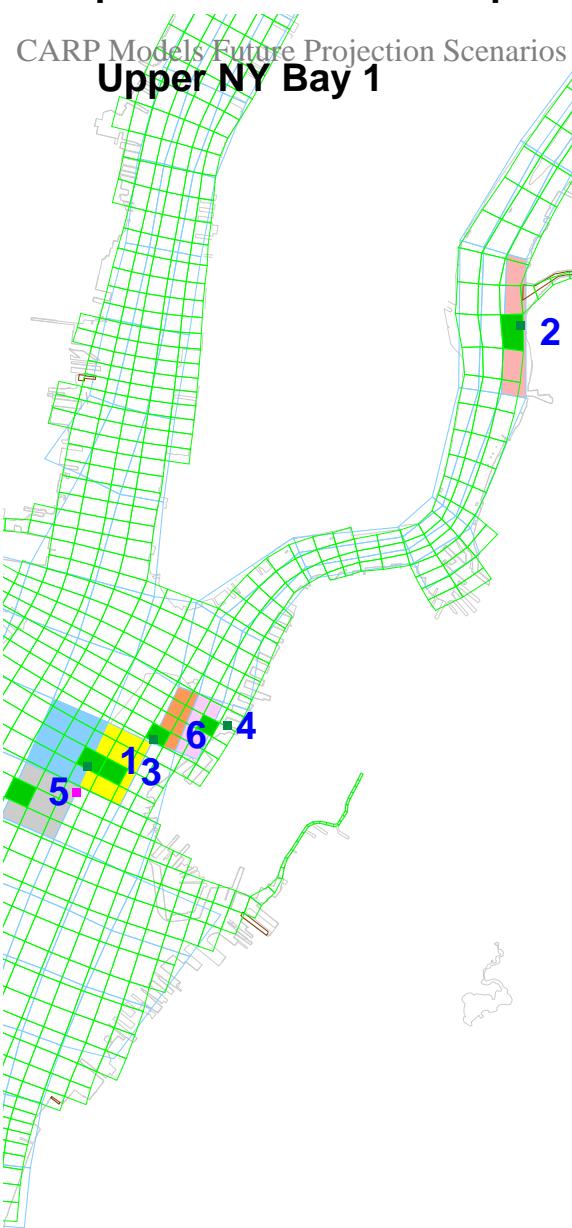
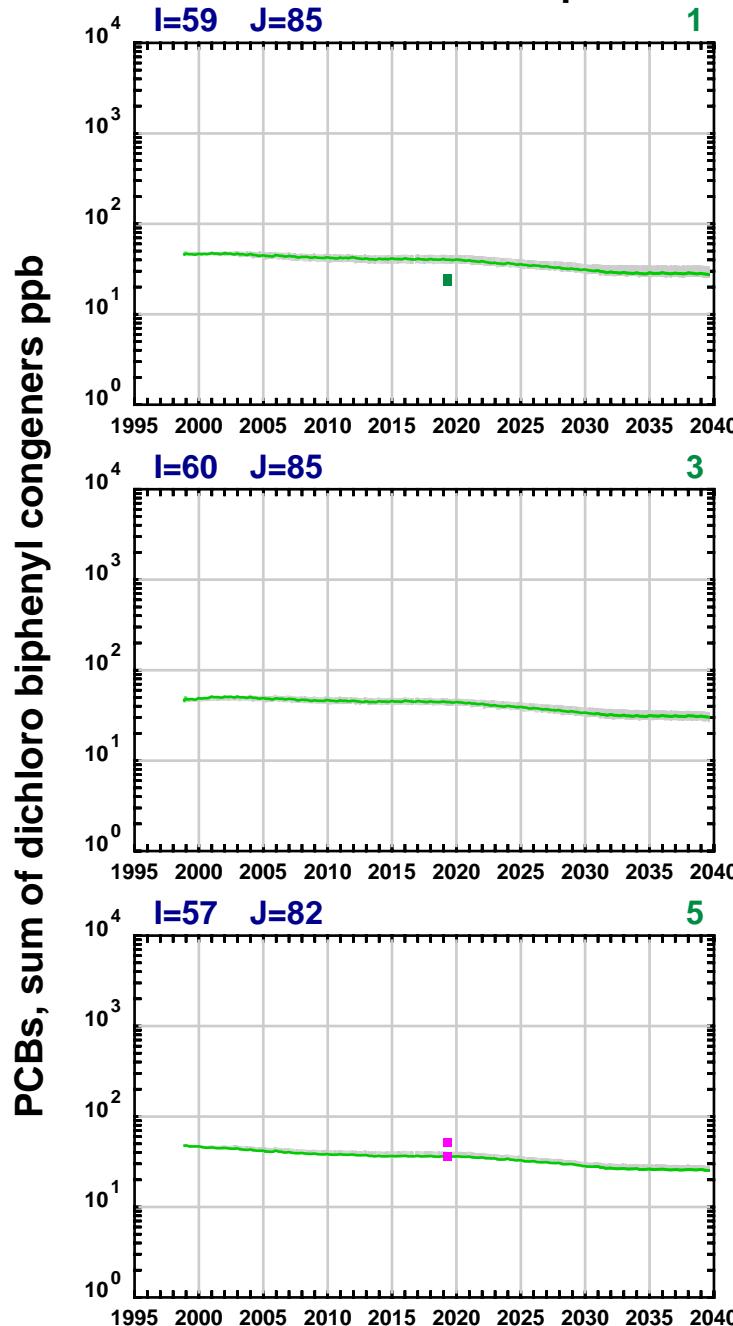
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 63 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

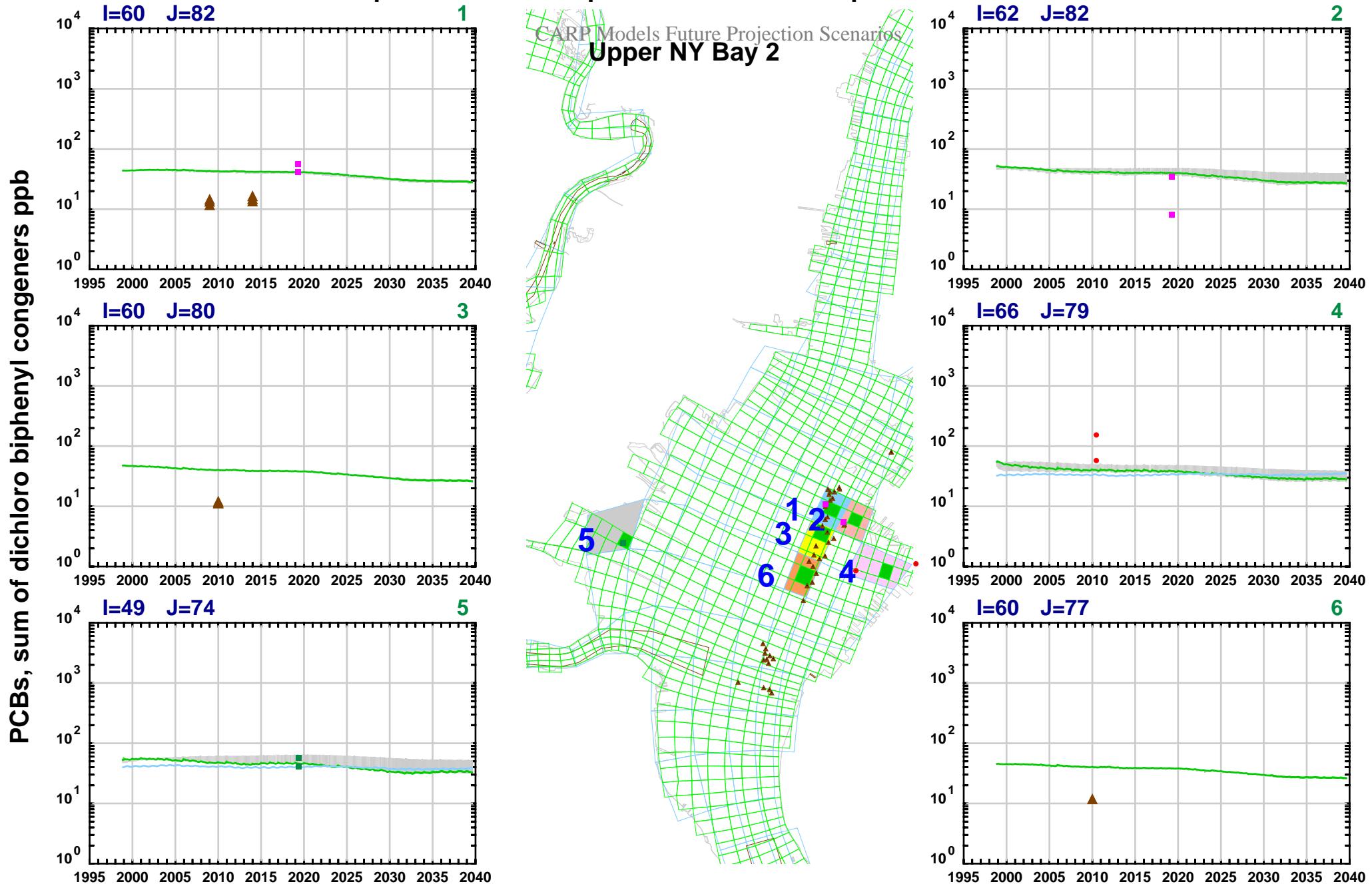
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 64 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

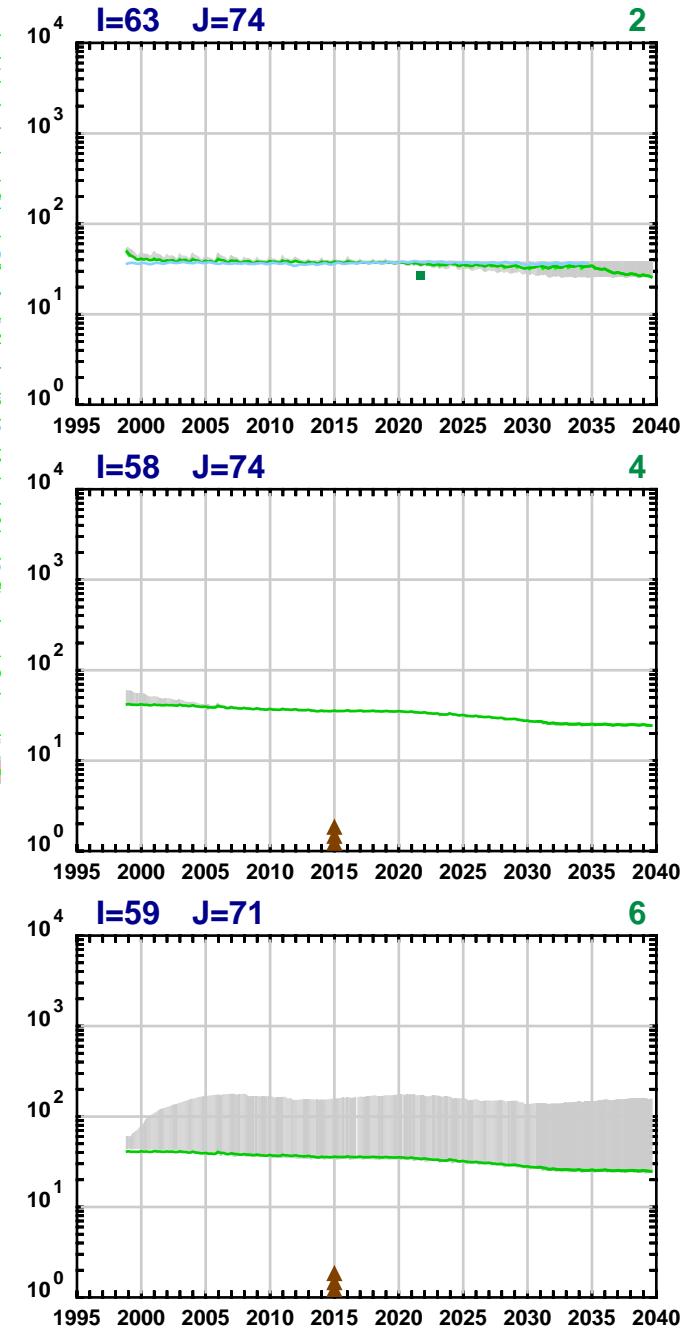
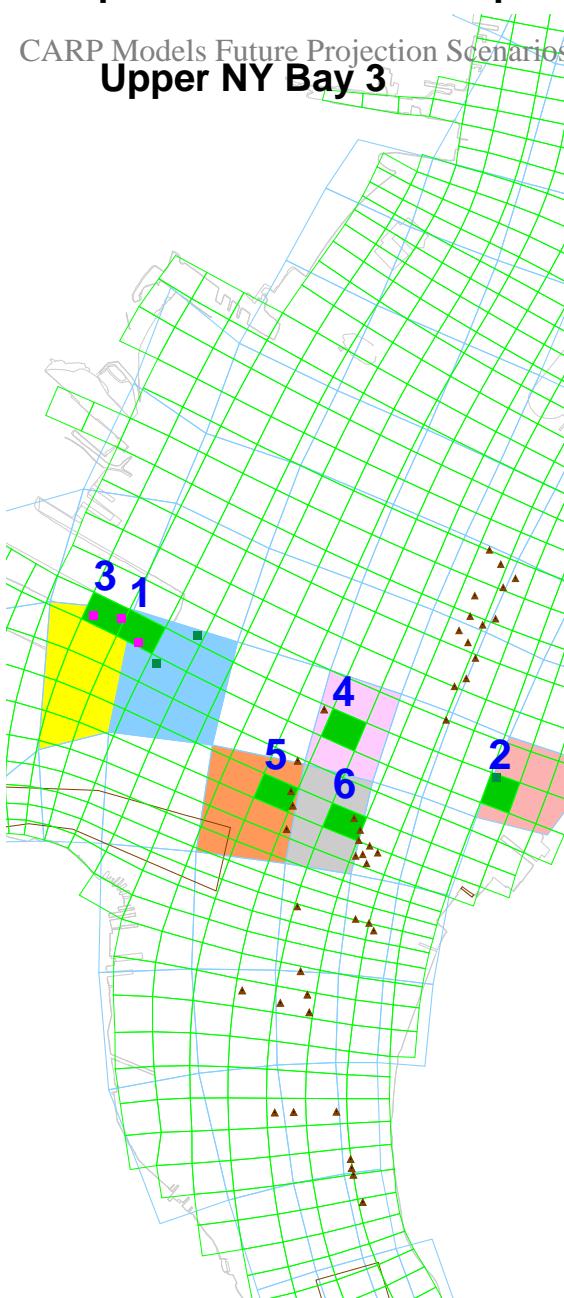
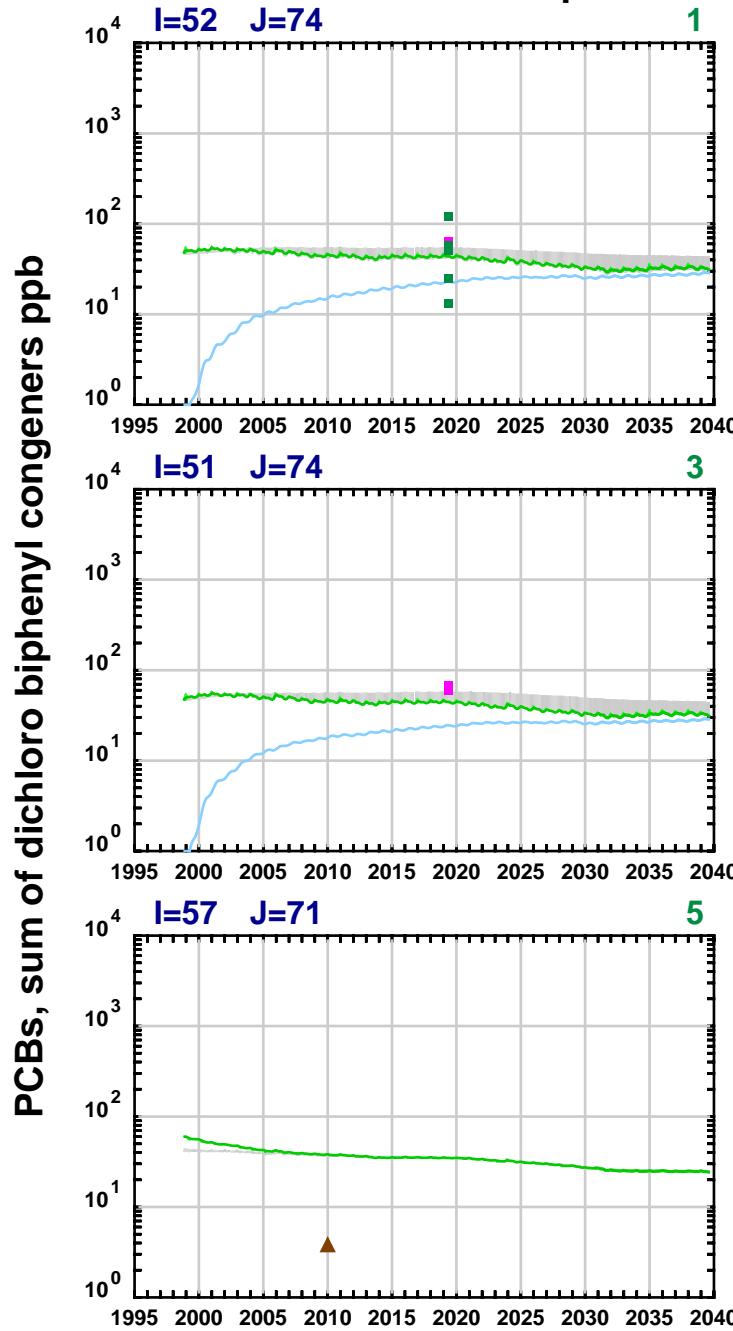
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 65 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

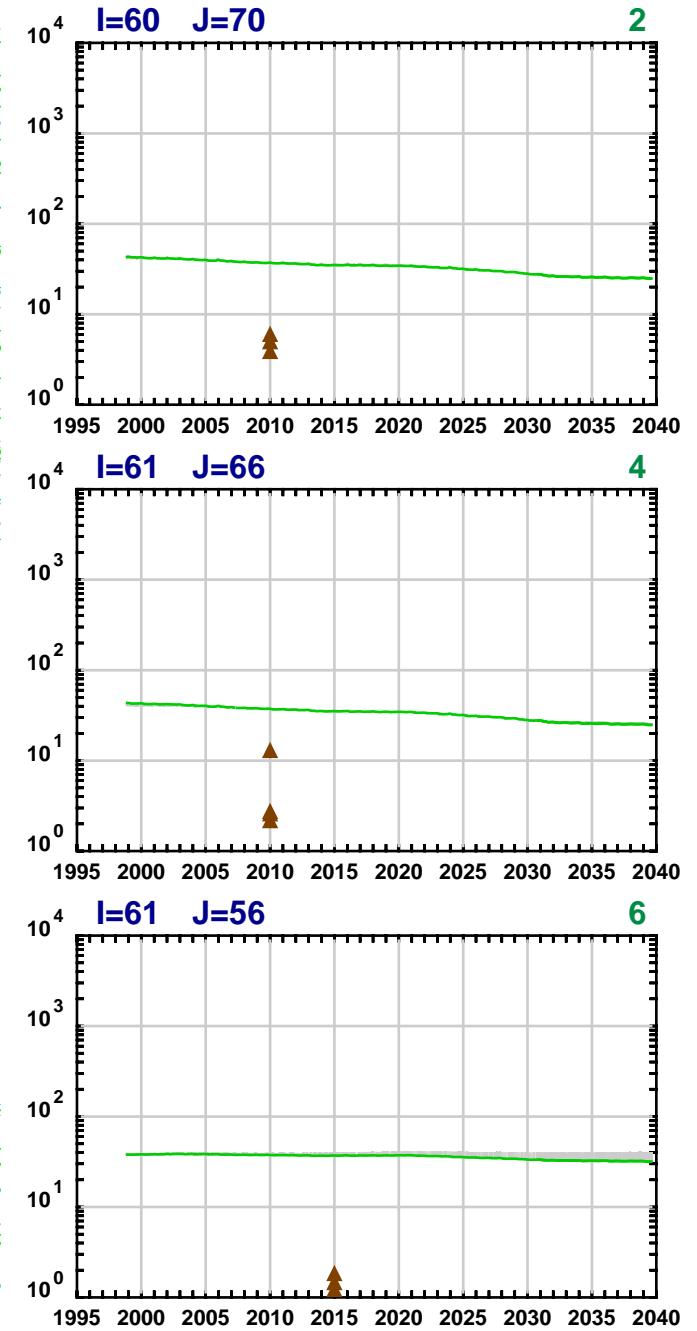
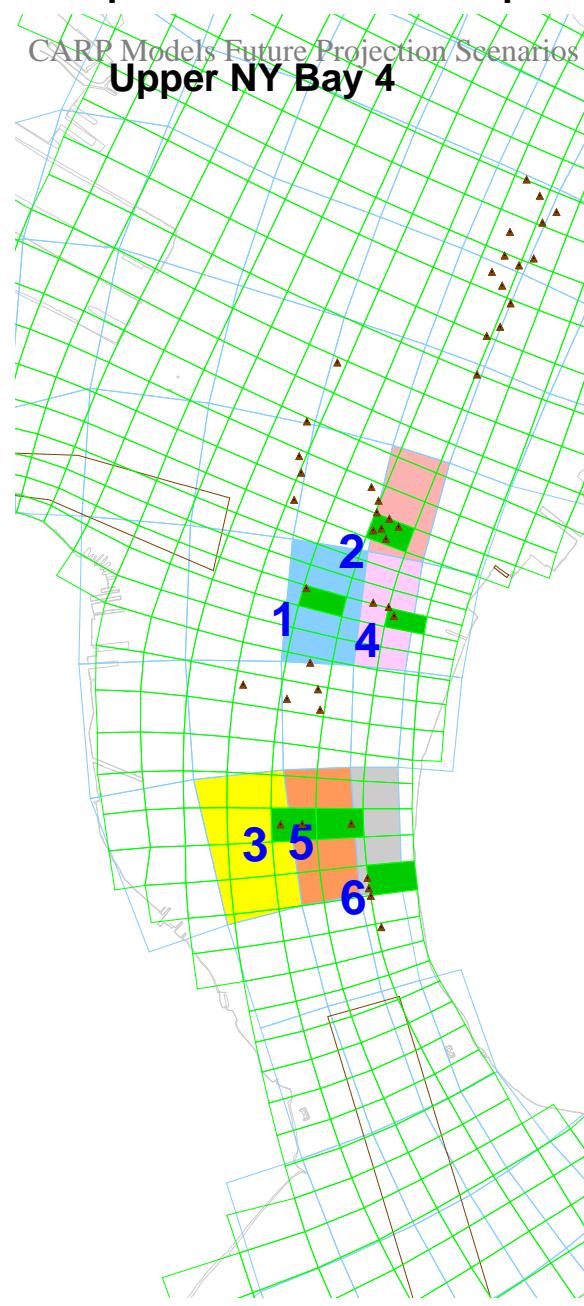
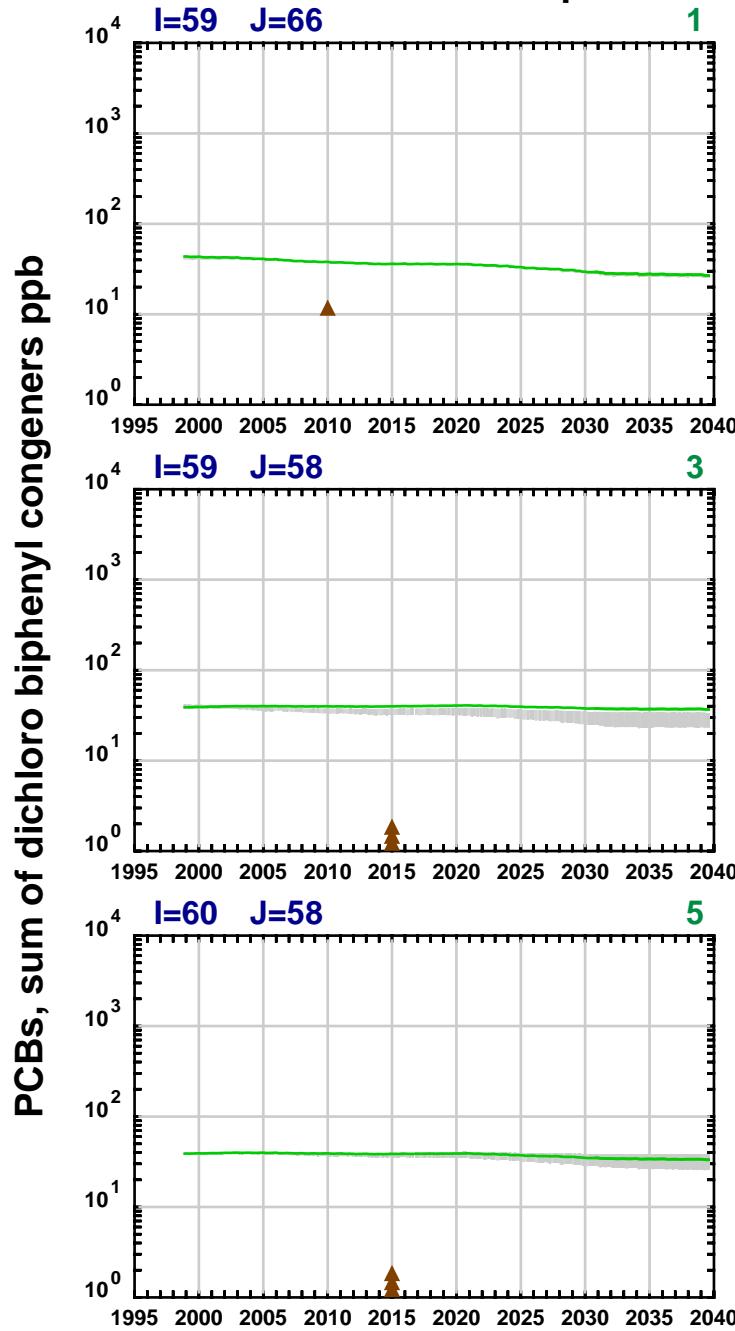
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Model: mean and range of values in top sediment

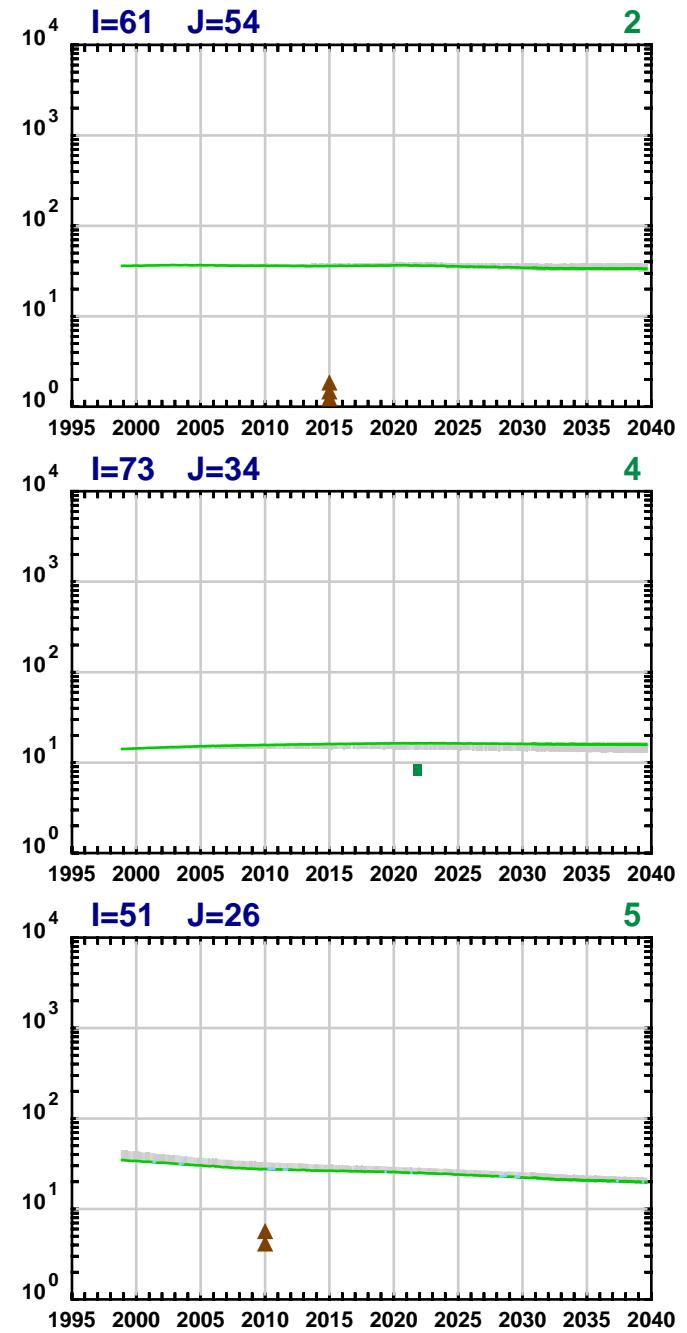
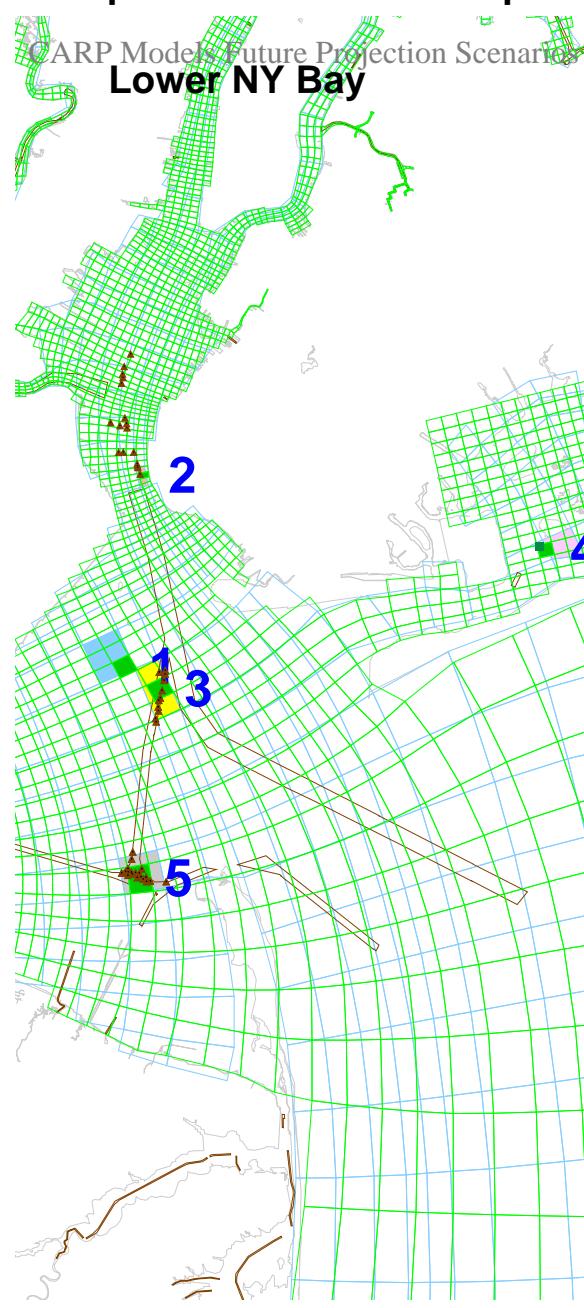
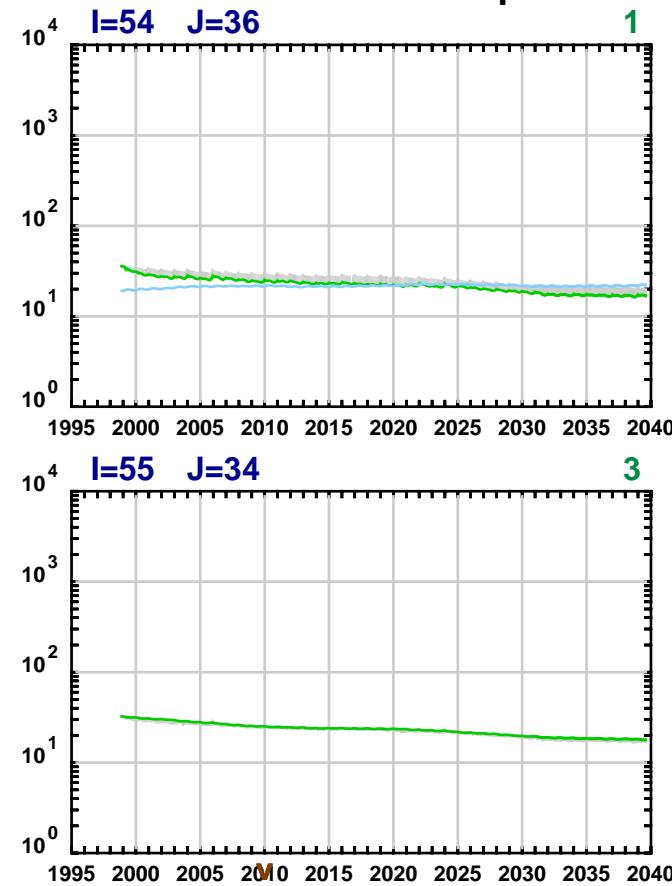
Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment

PCBs, sum of dichloro biphenyl congeners ppb



RUN18_PROJ01_PROJ02_R1

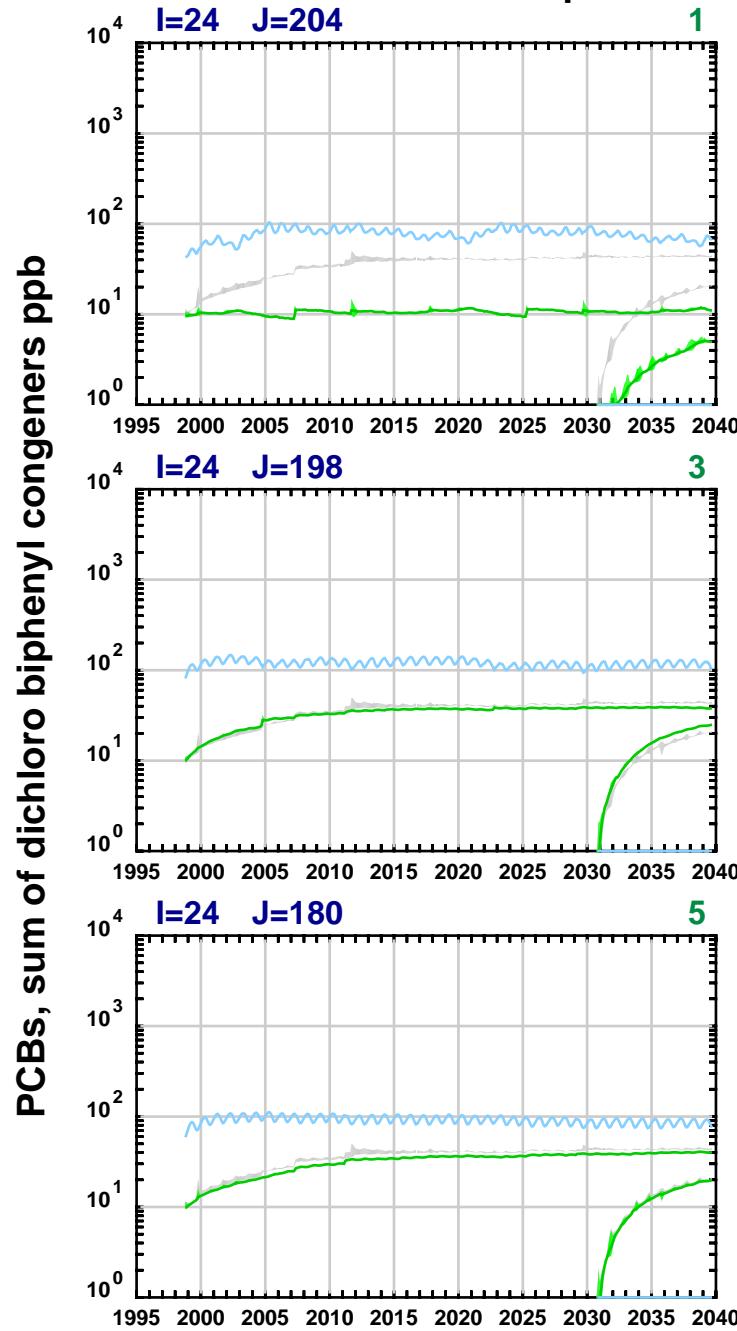
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

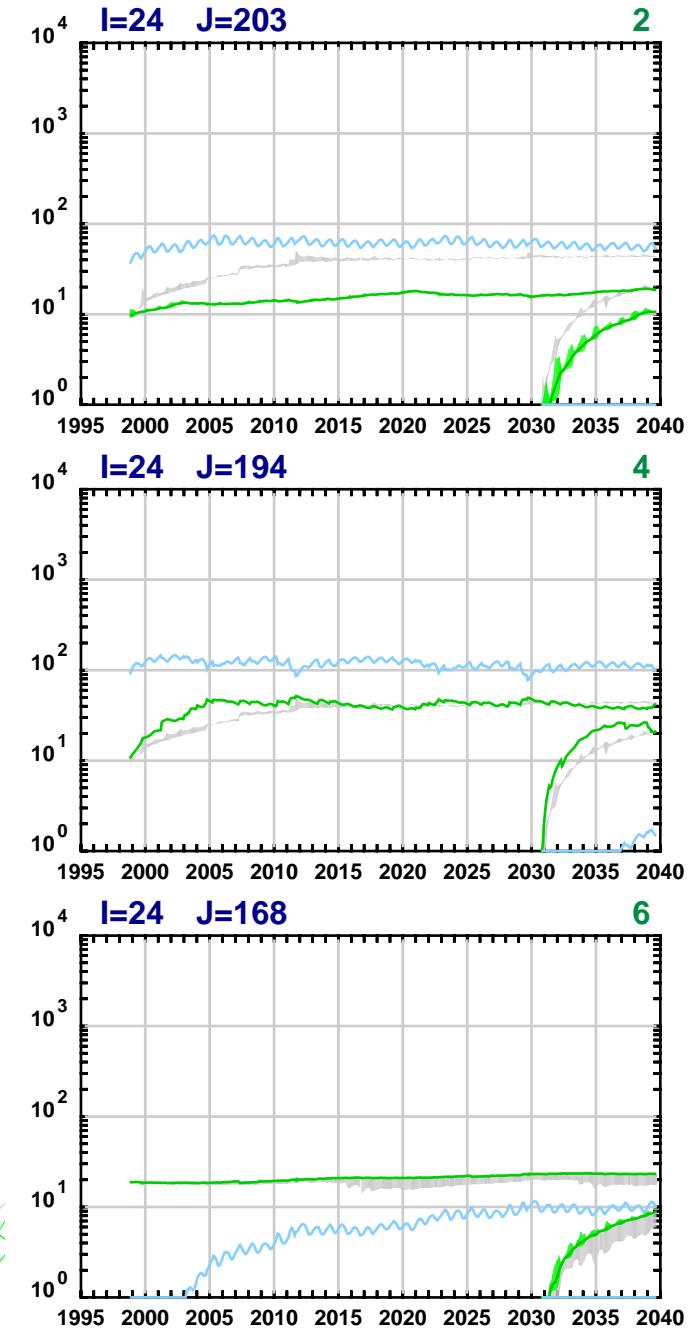
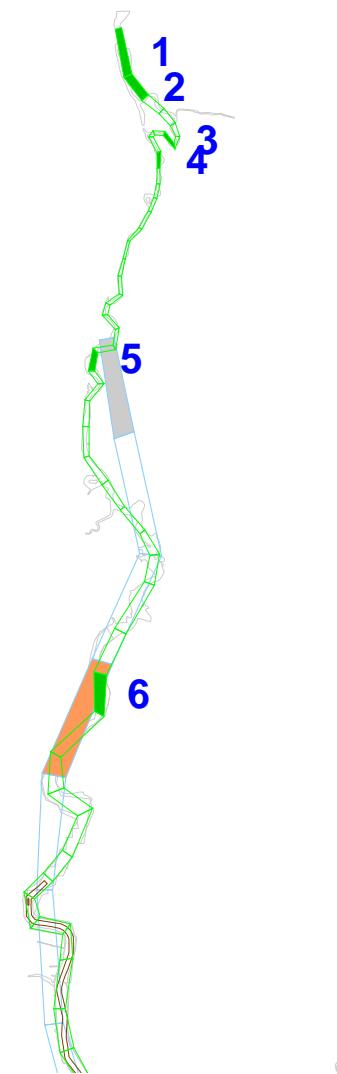
Appendix 1 Page 68 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

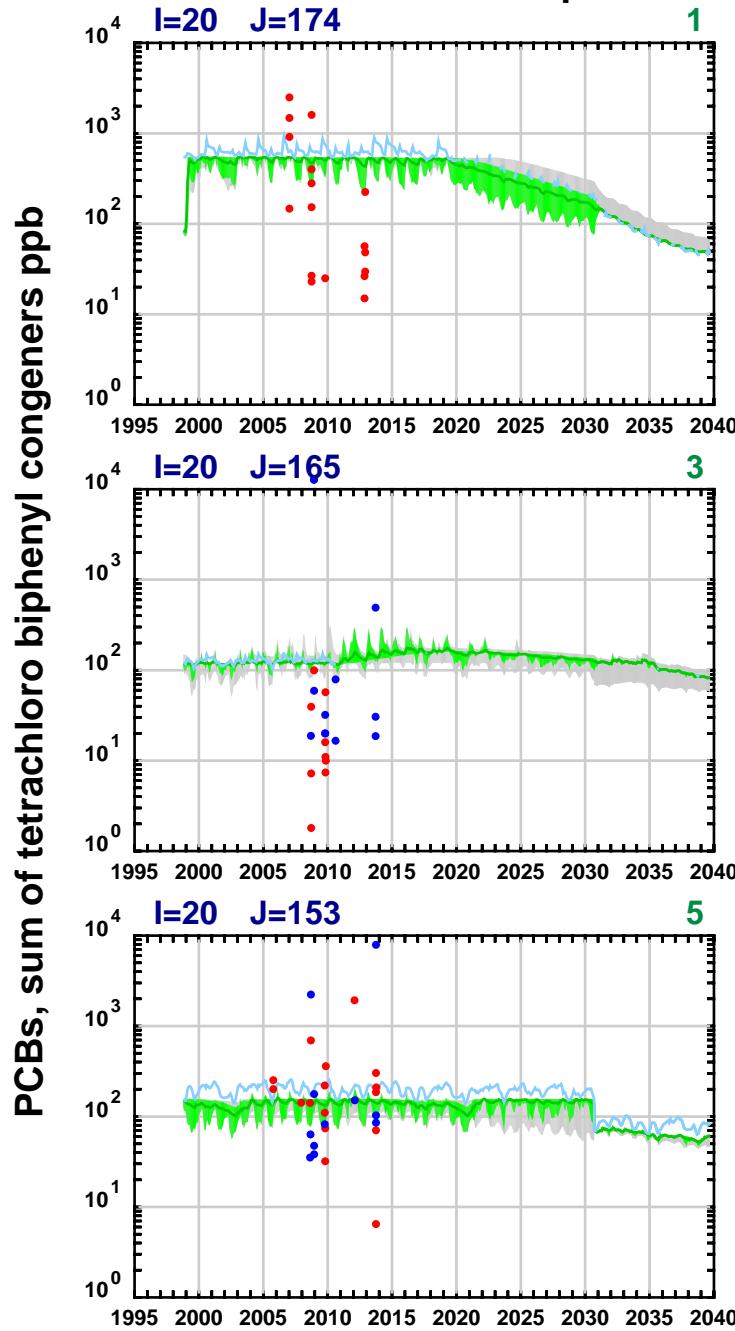
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

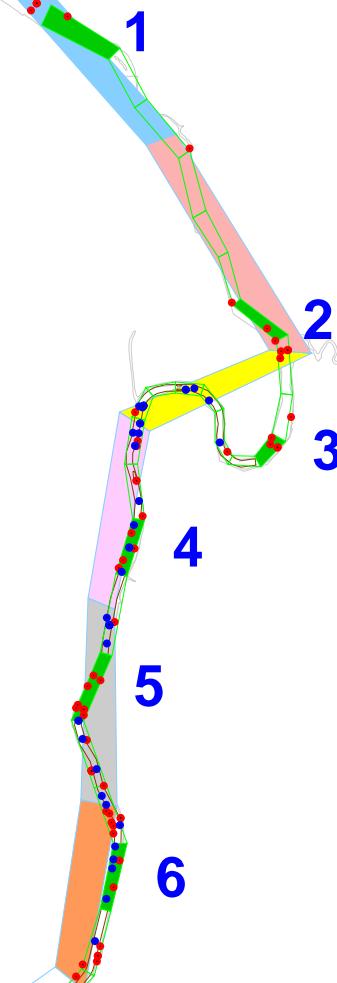
Appendix 1 Page 69 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

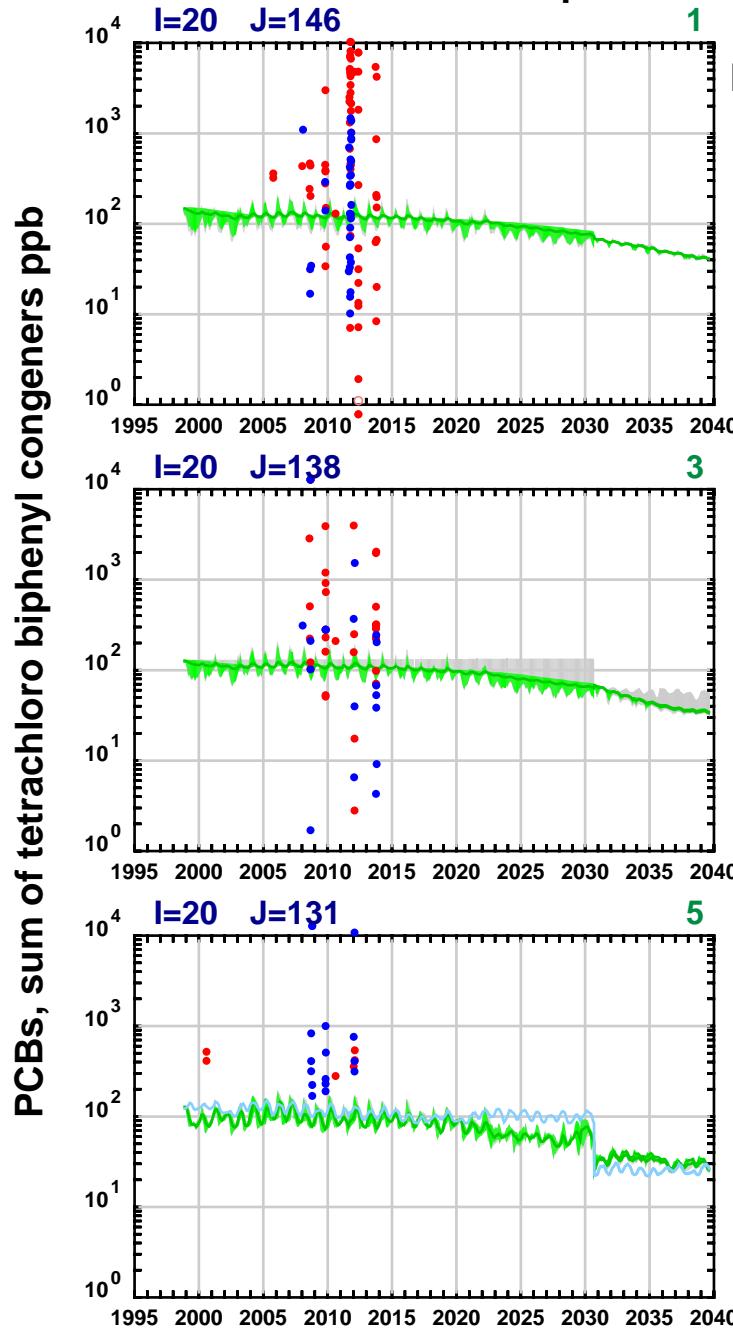
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

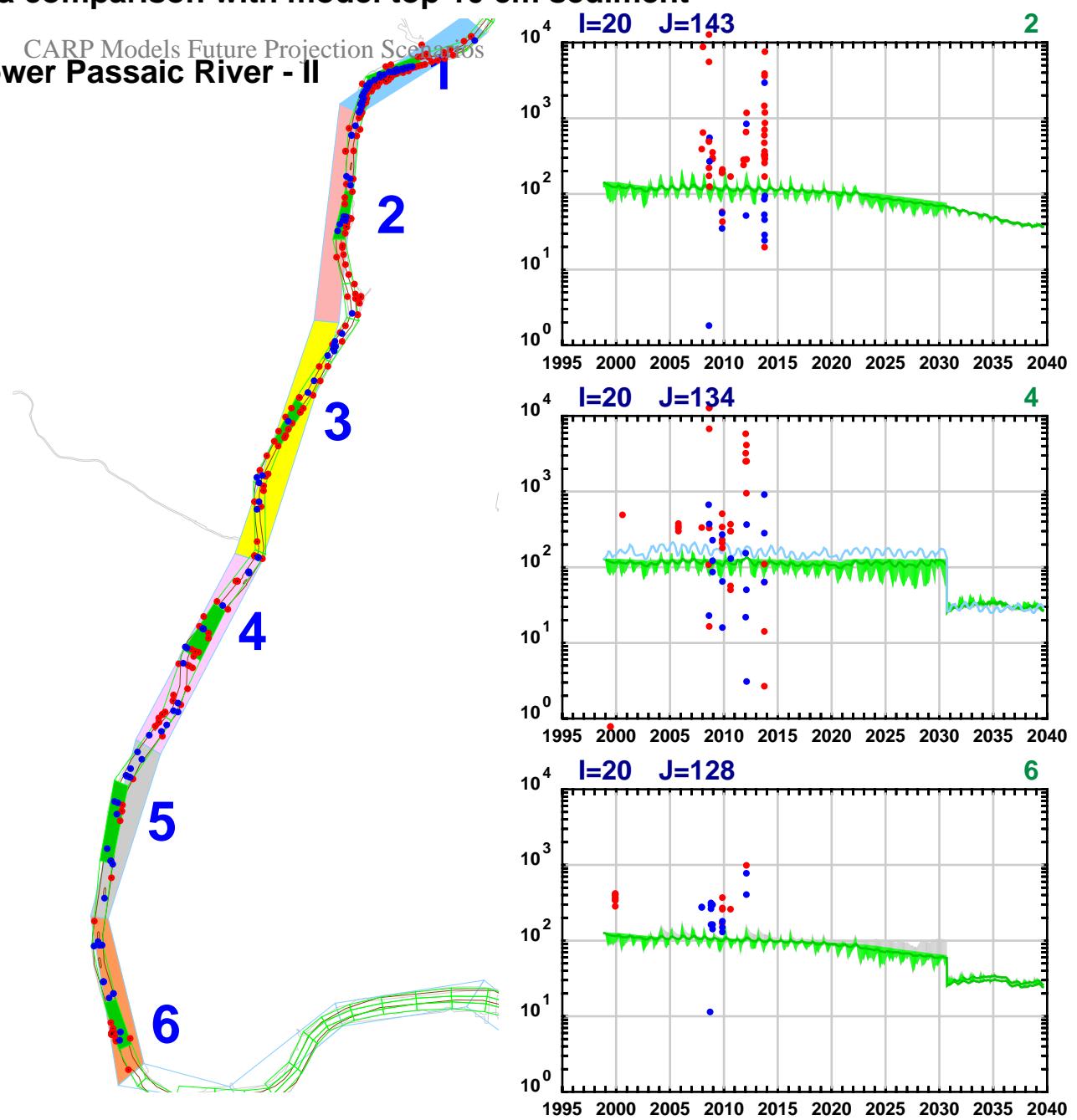
Appendix 1 Page 70 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - II



RUN18_PROJ01_PROJ02_R1

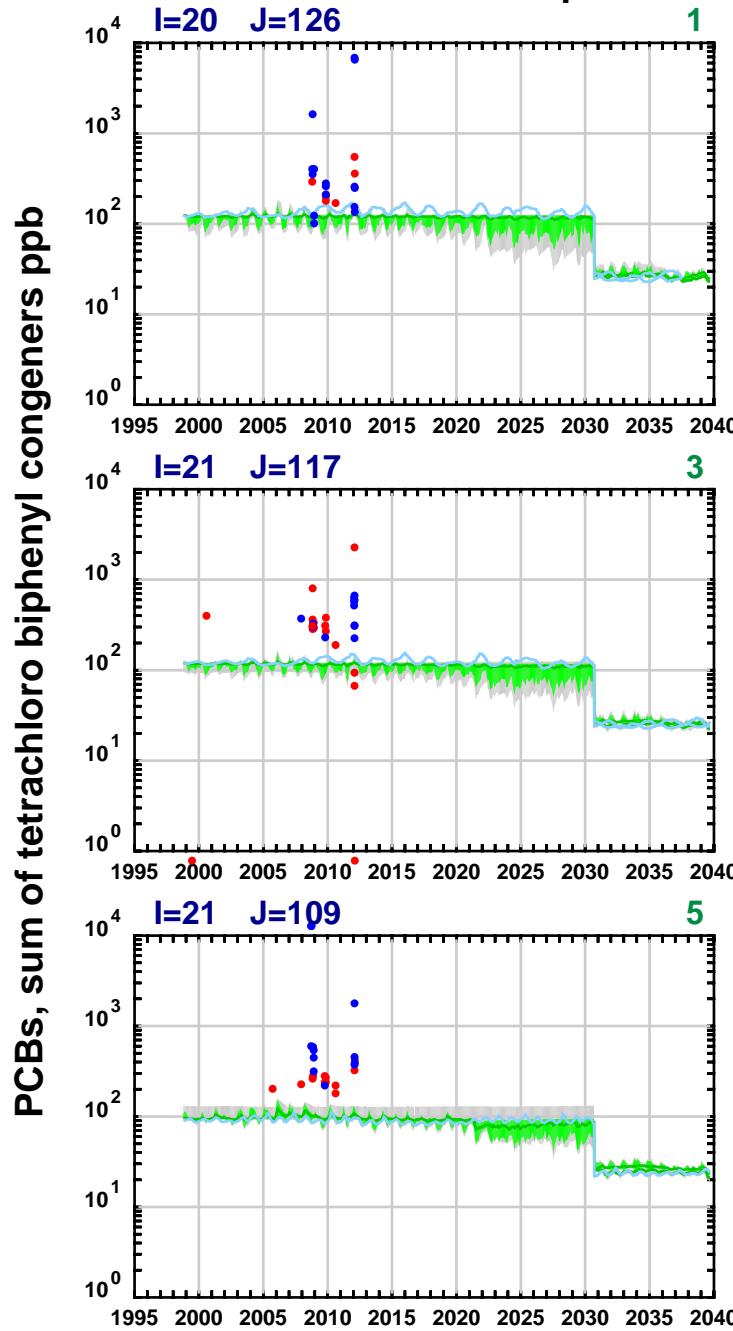
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

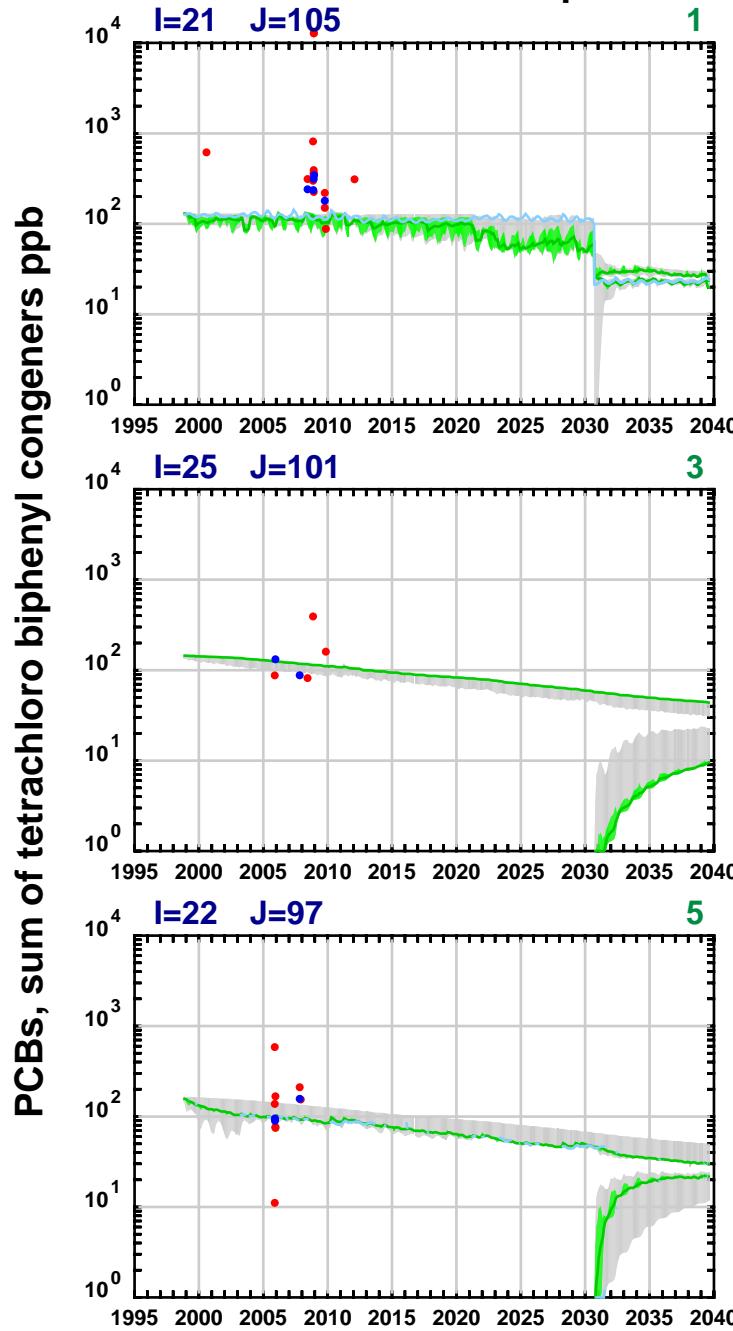
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

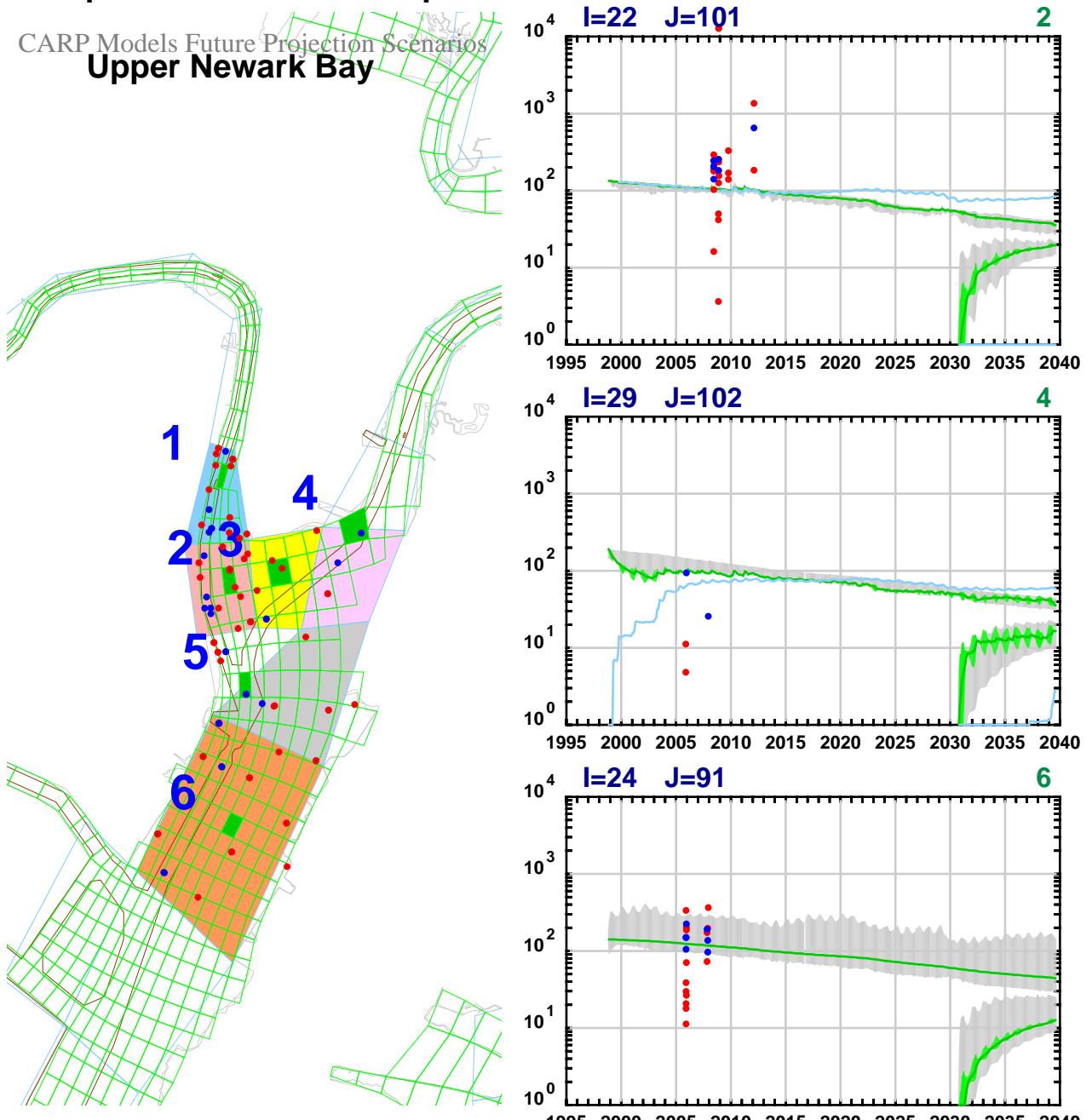
Appendix 1 Page 72 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

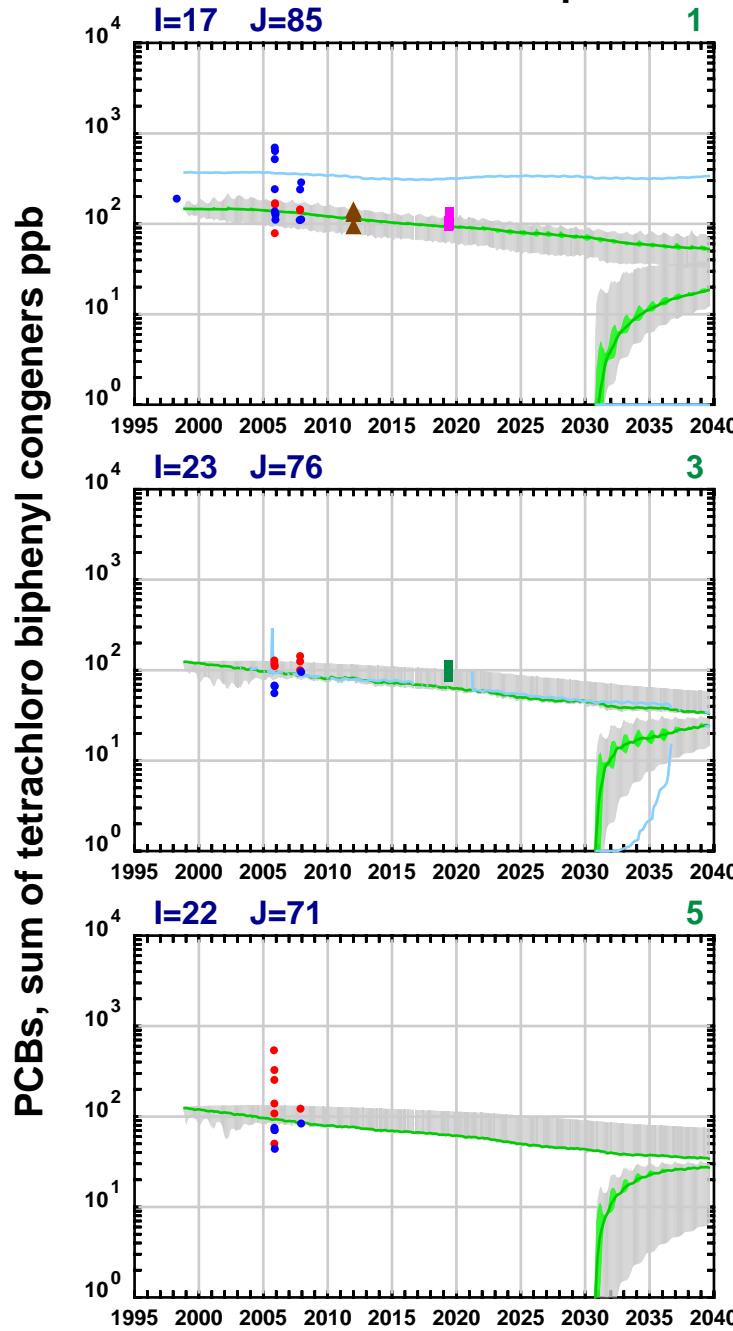
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

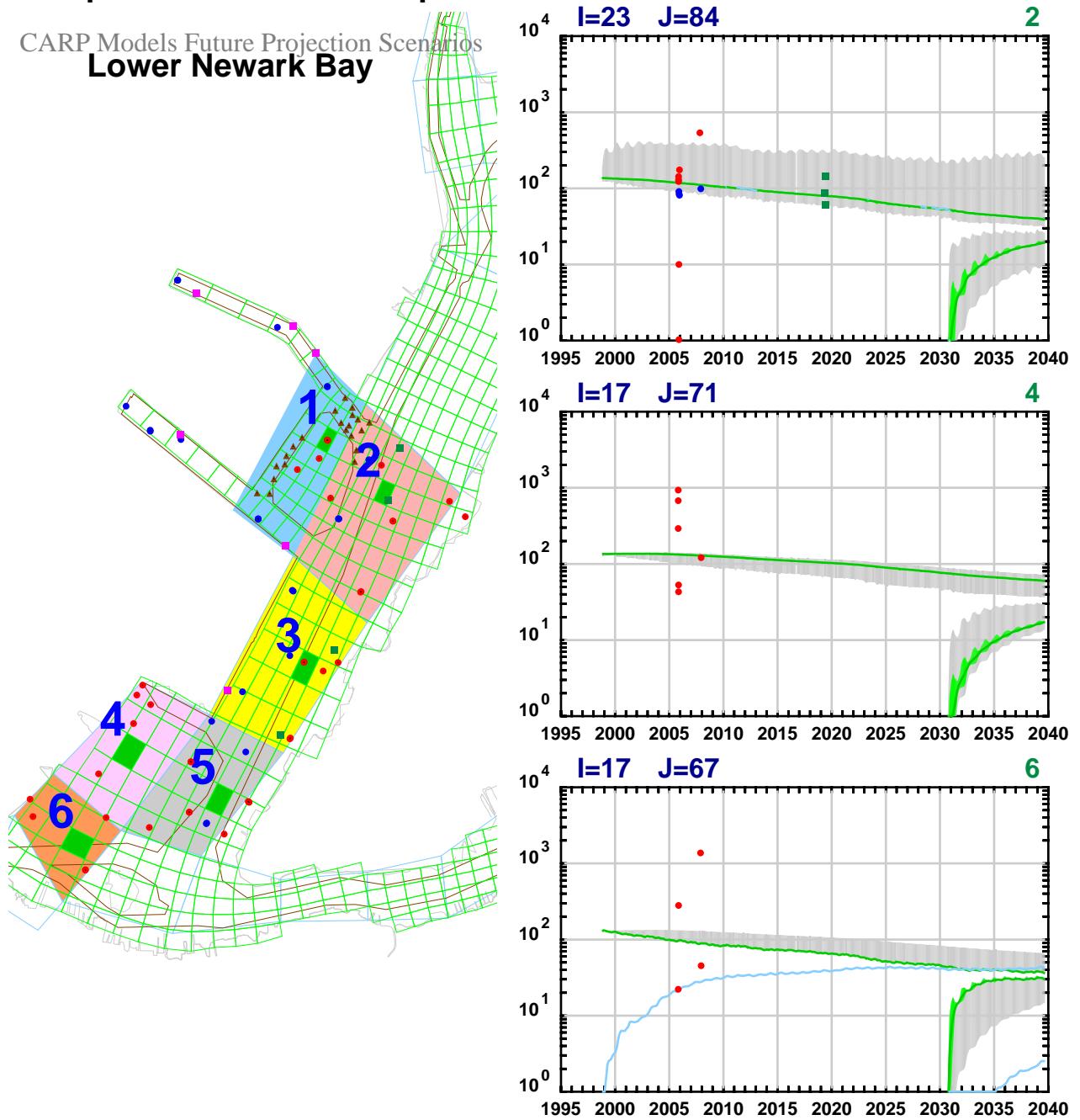
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● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

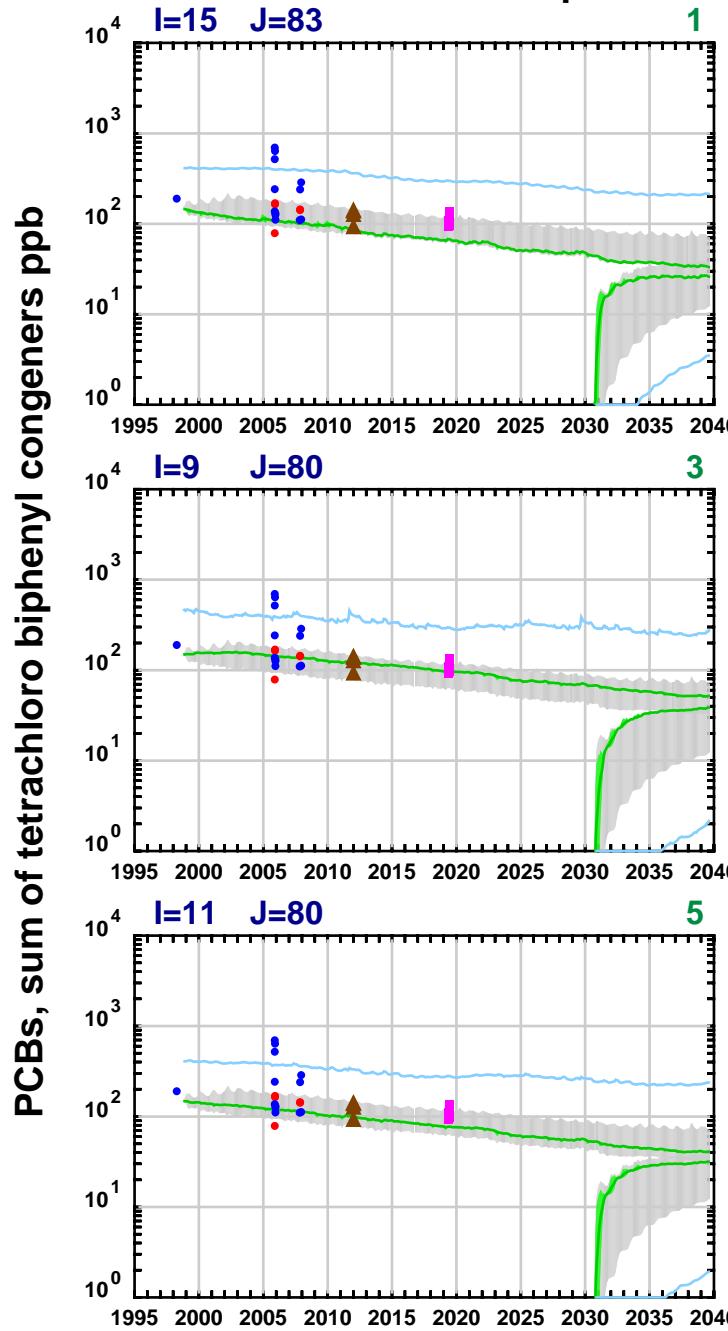
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

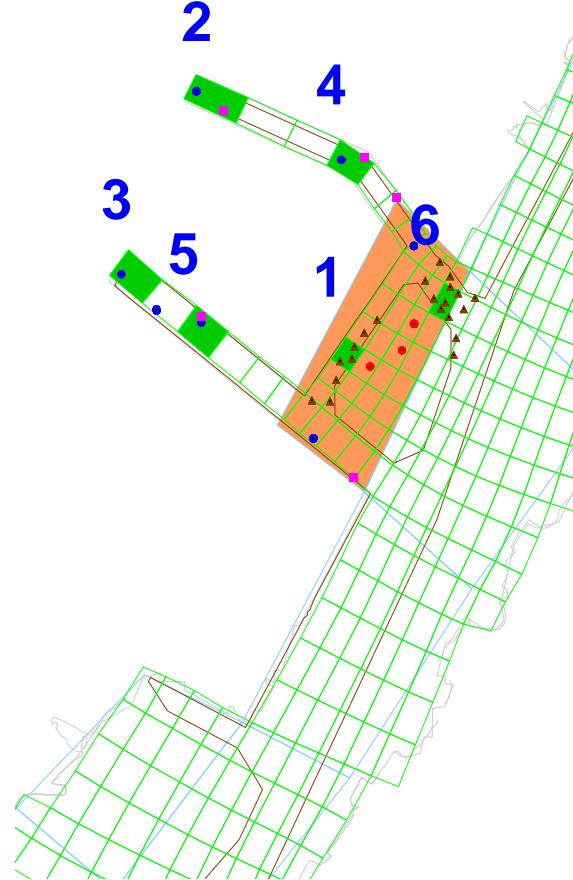
Appendix 1 Page 74 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

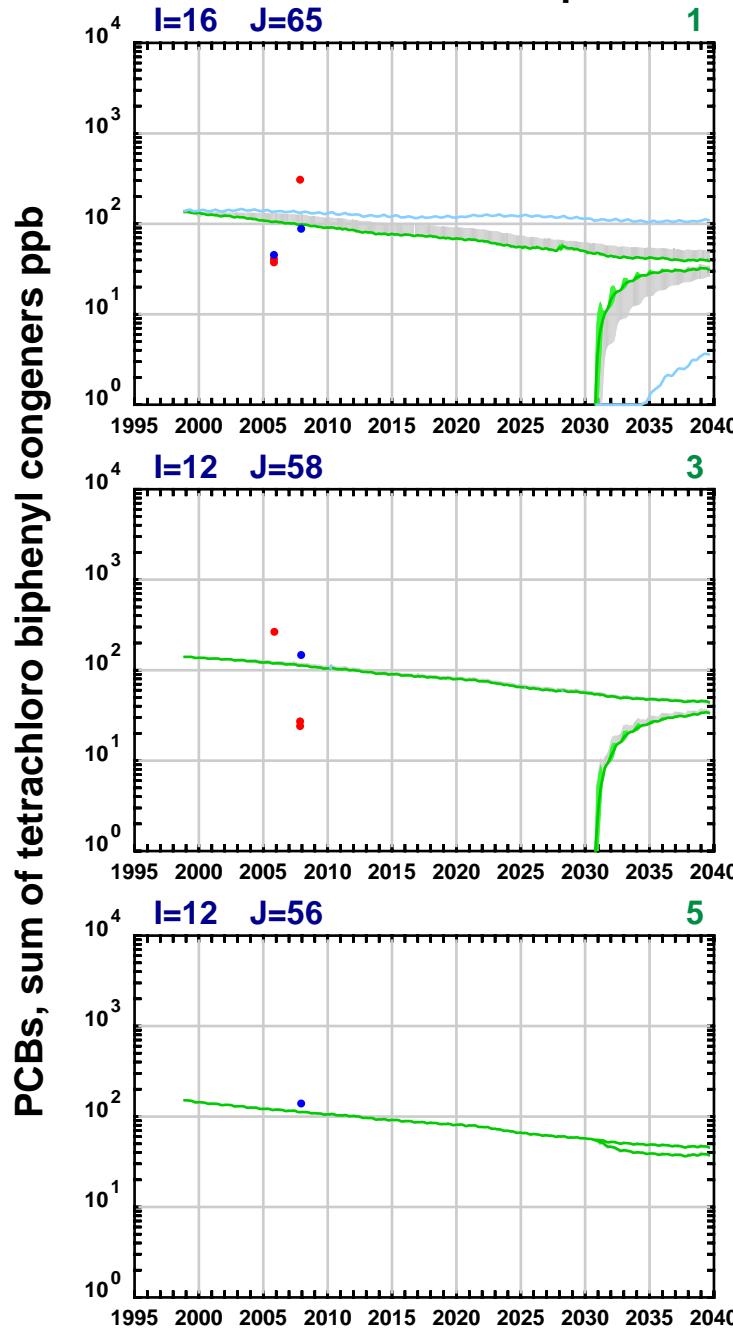
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

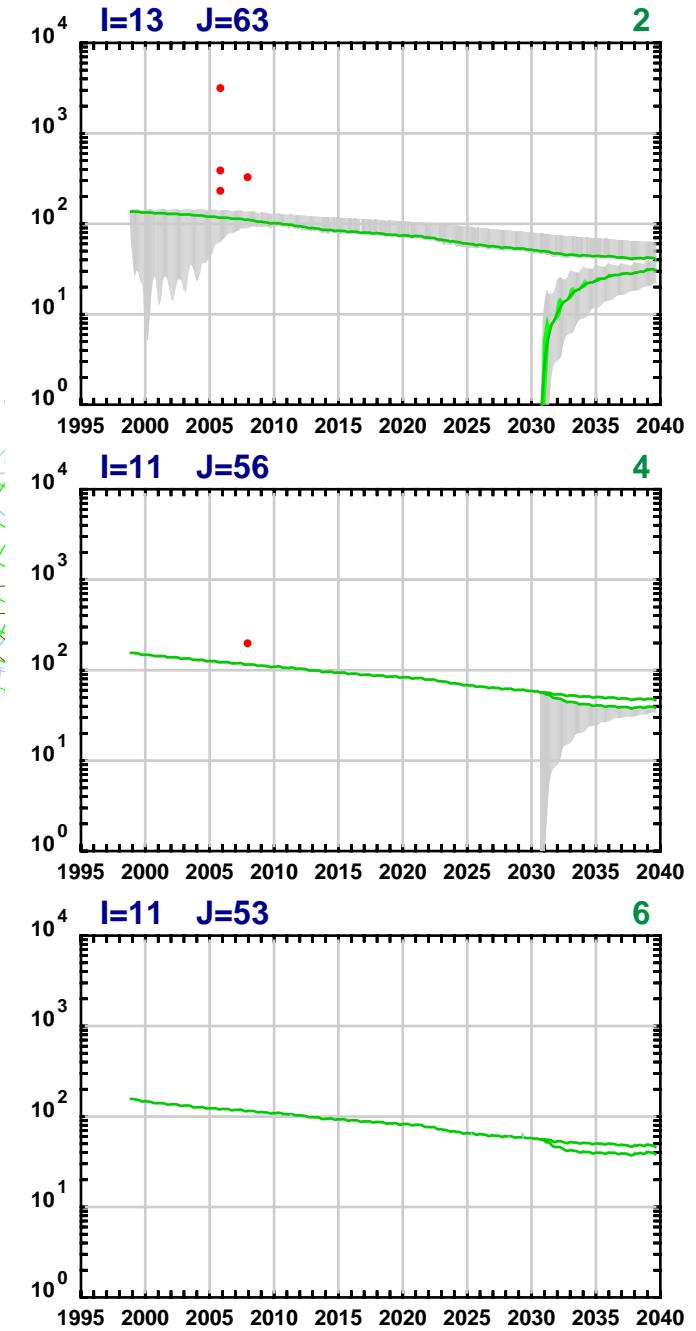
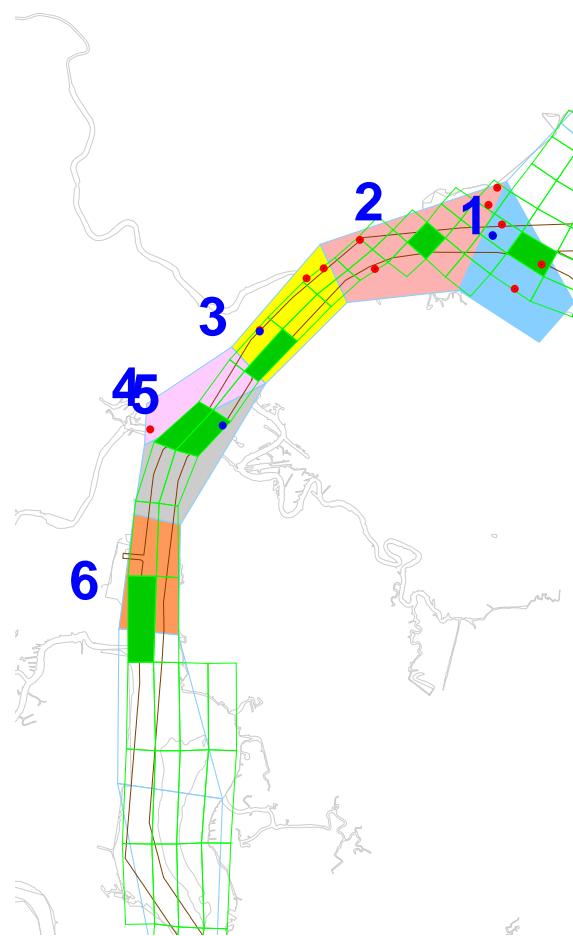
Appendix 1 Page 75 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

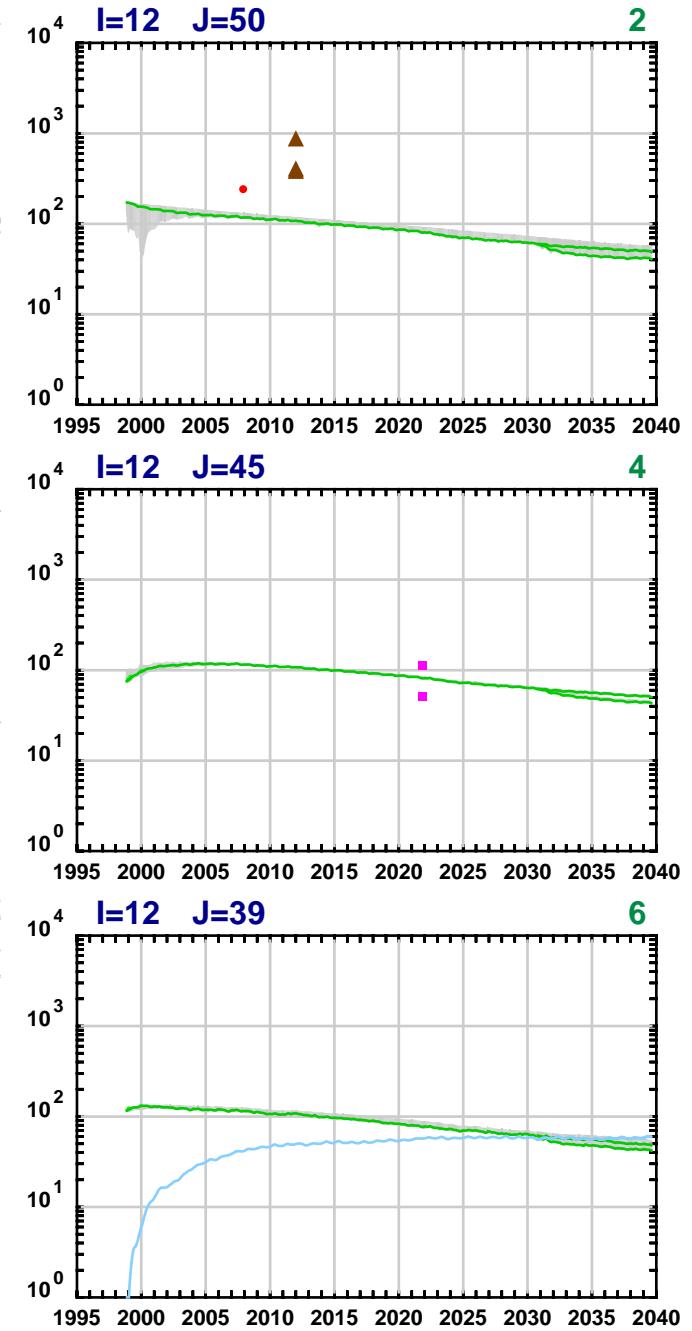
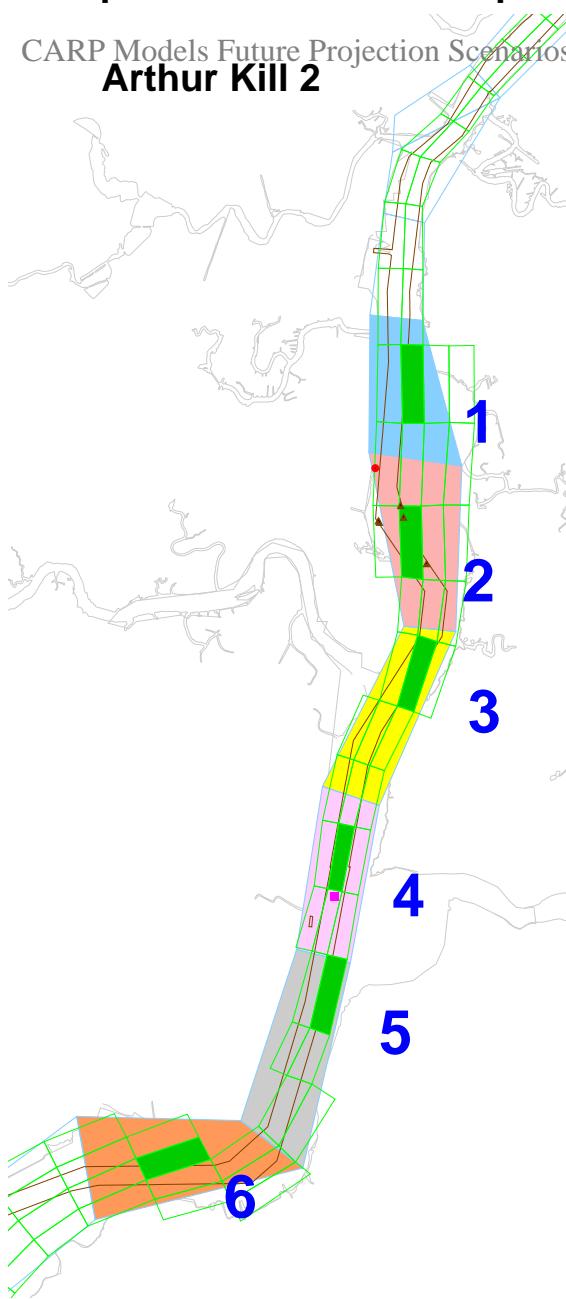
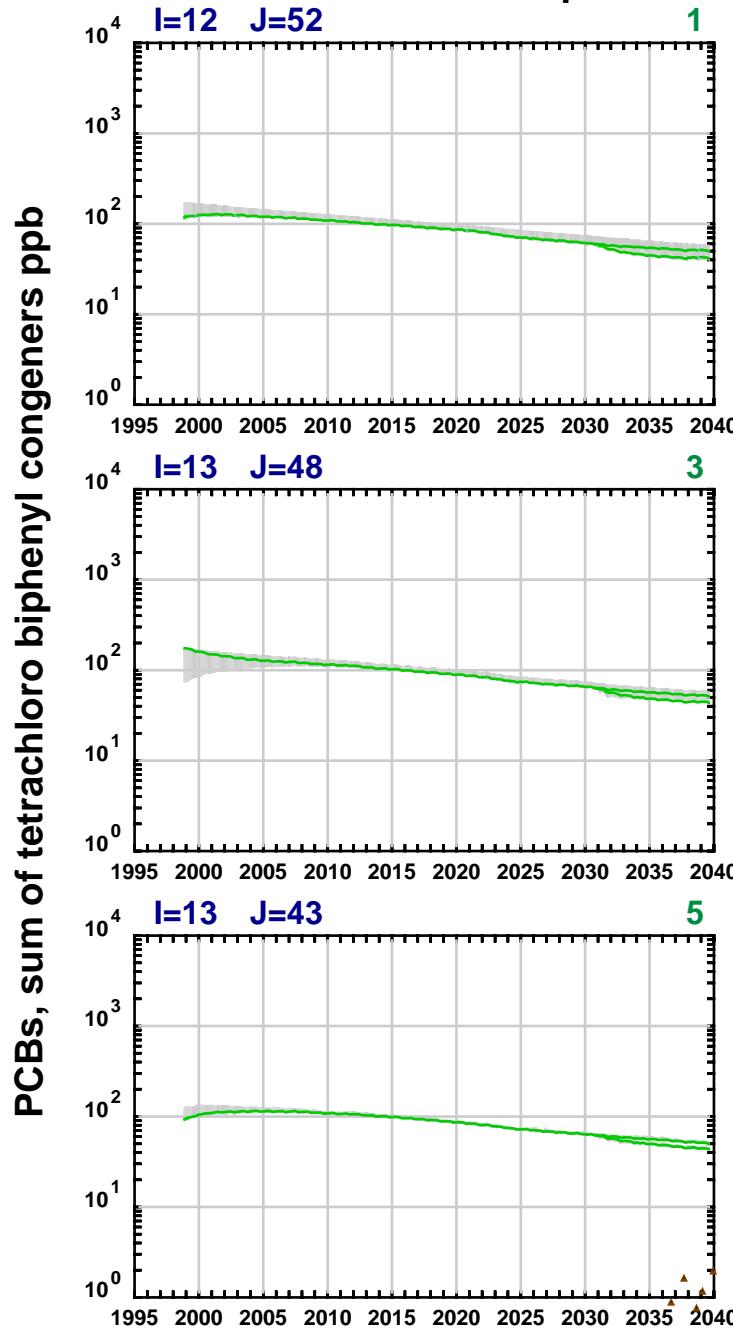
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

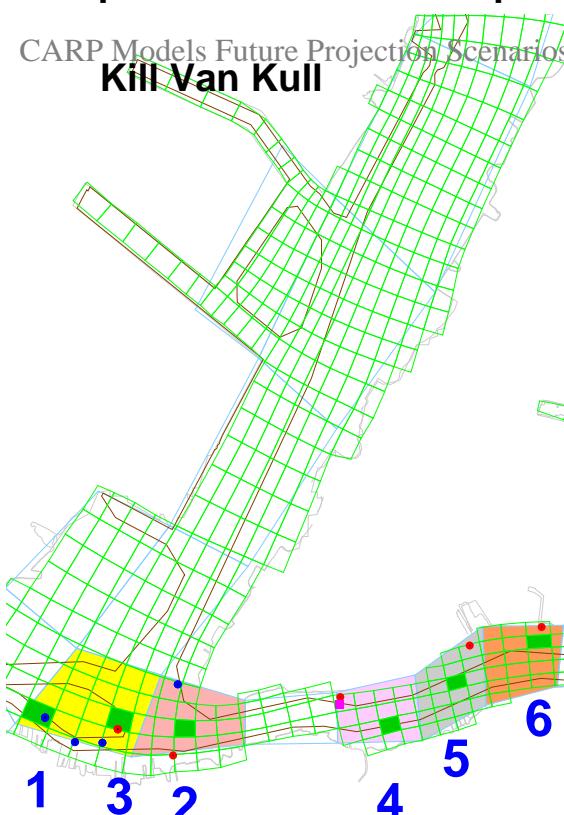
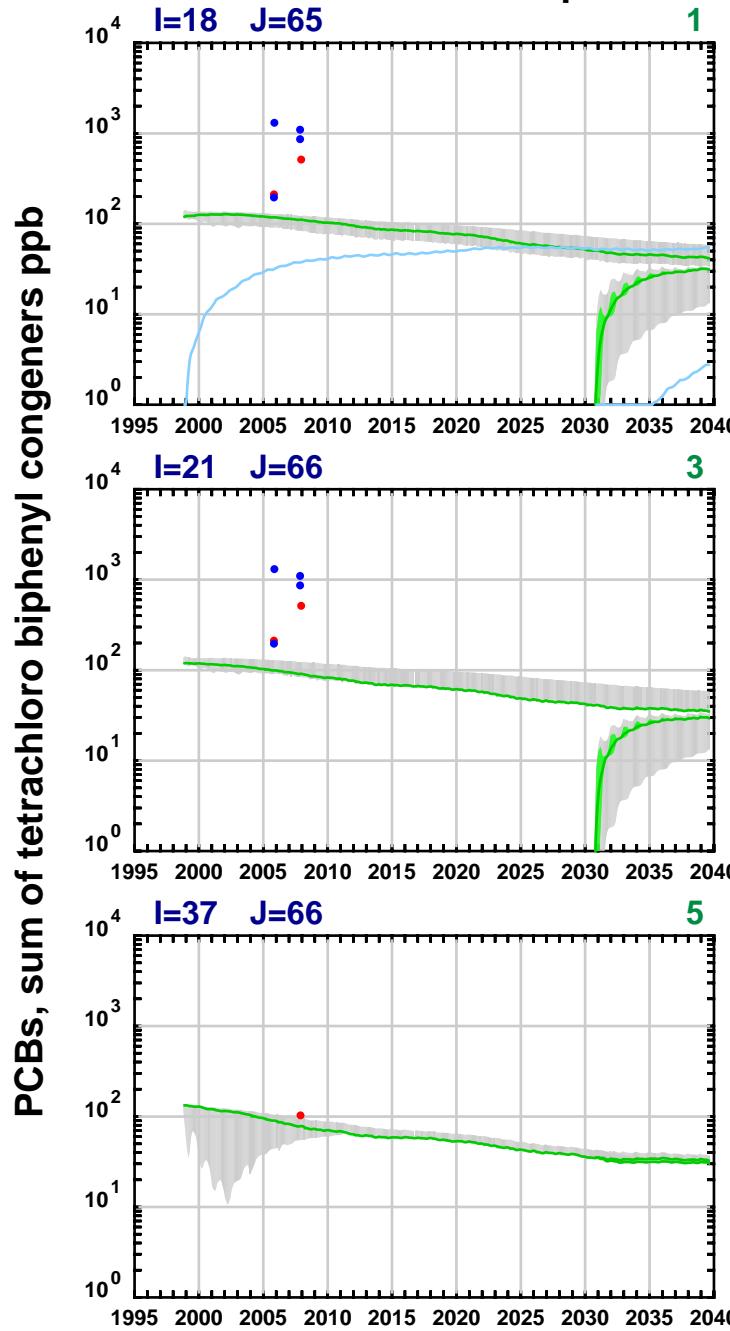
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 77 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

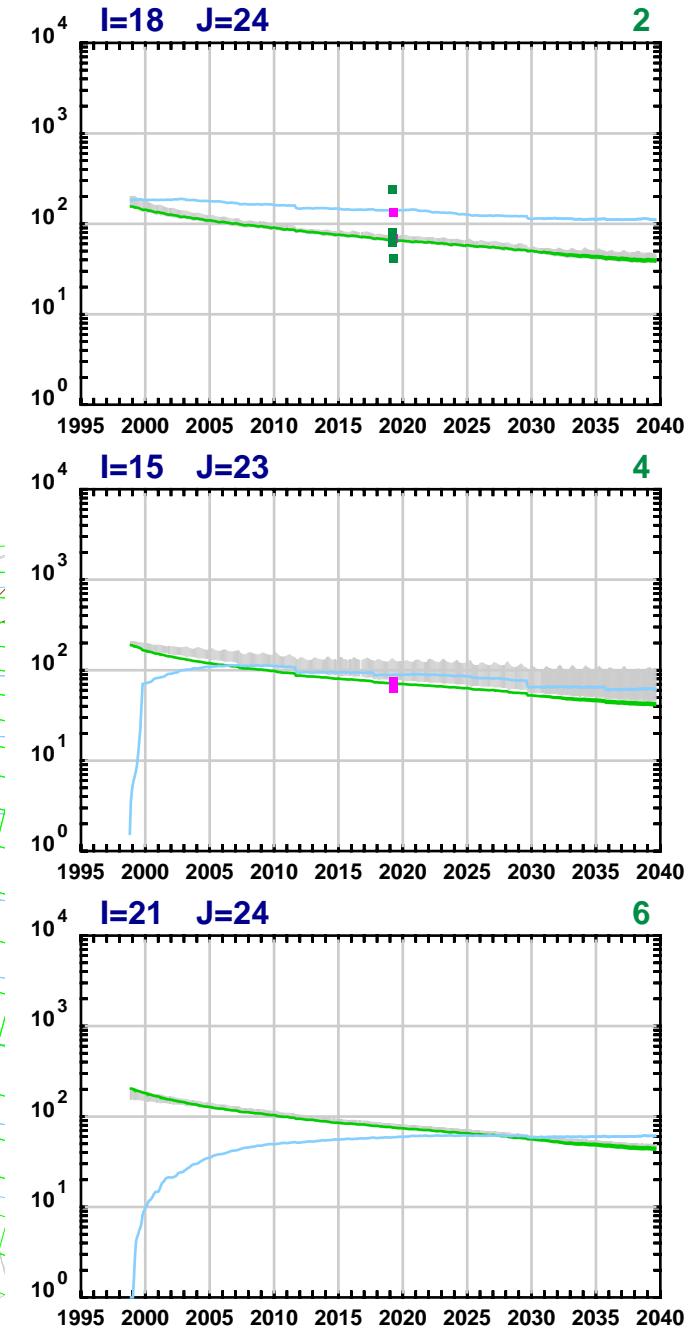
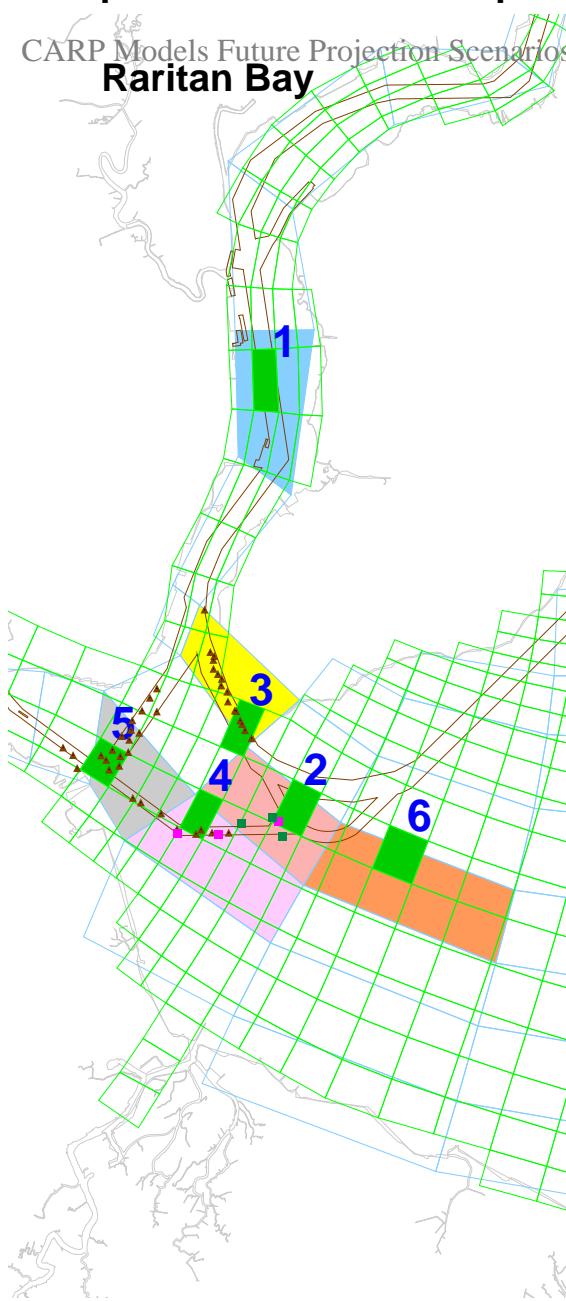
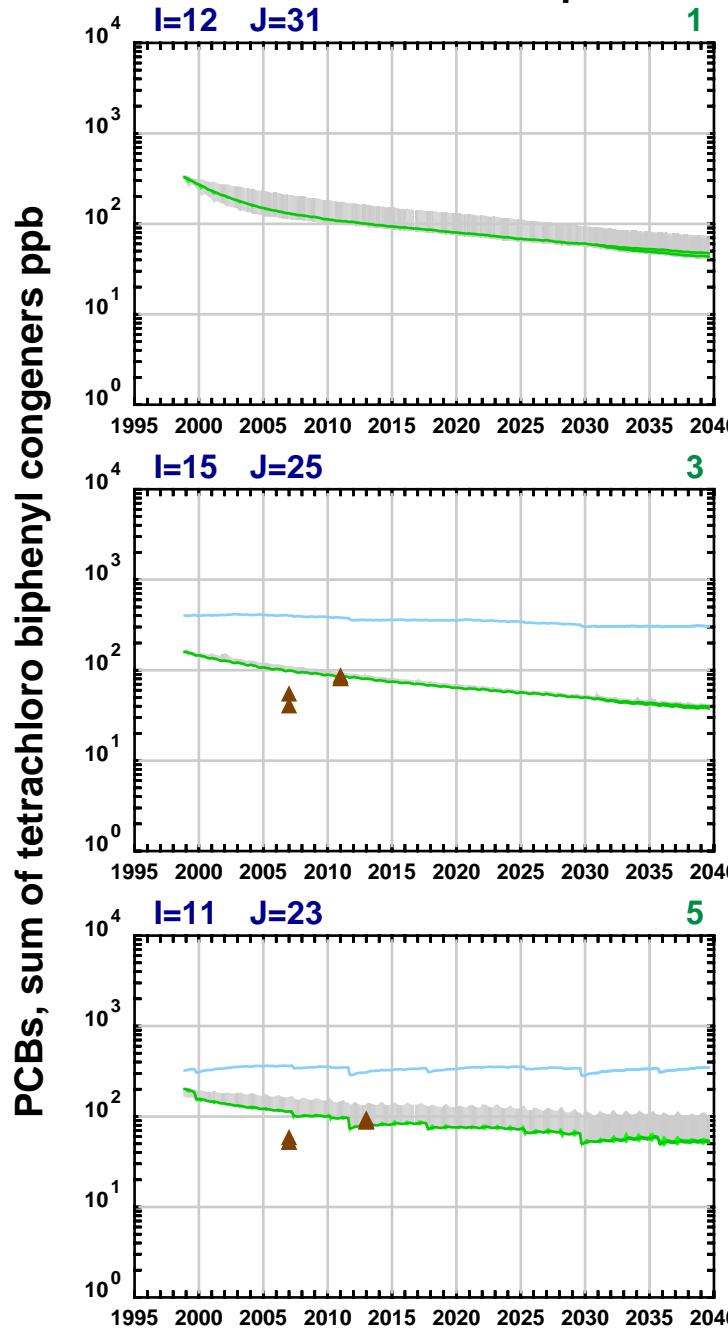
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 78 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

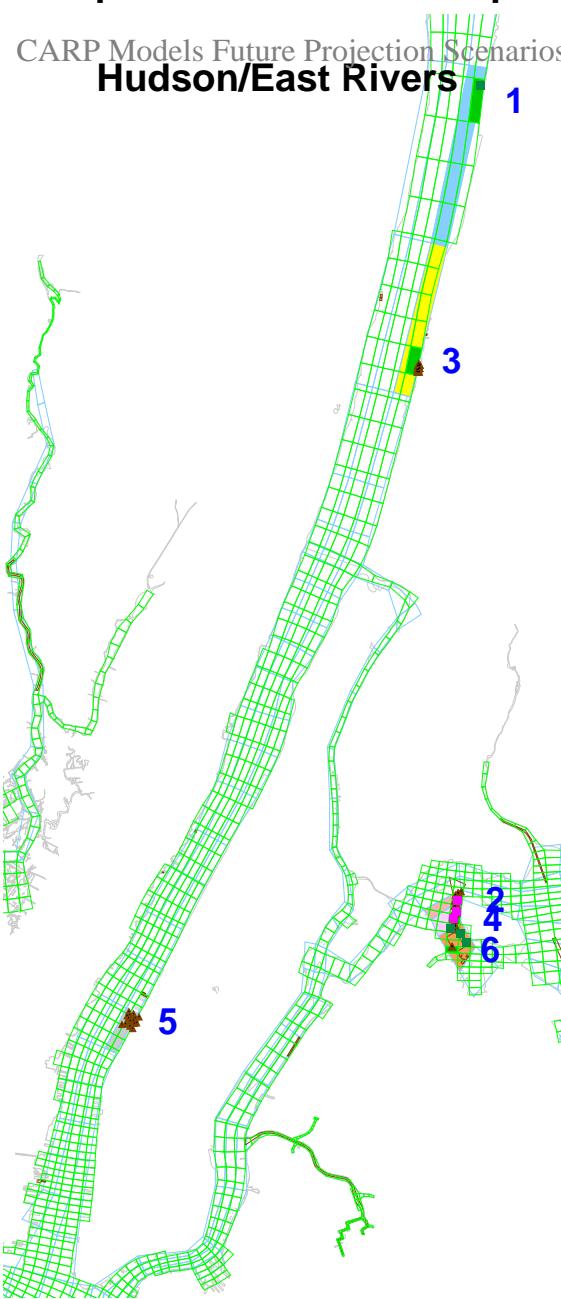
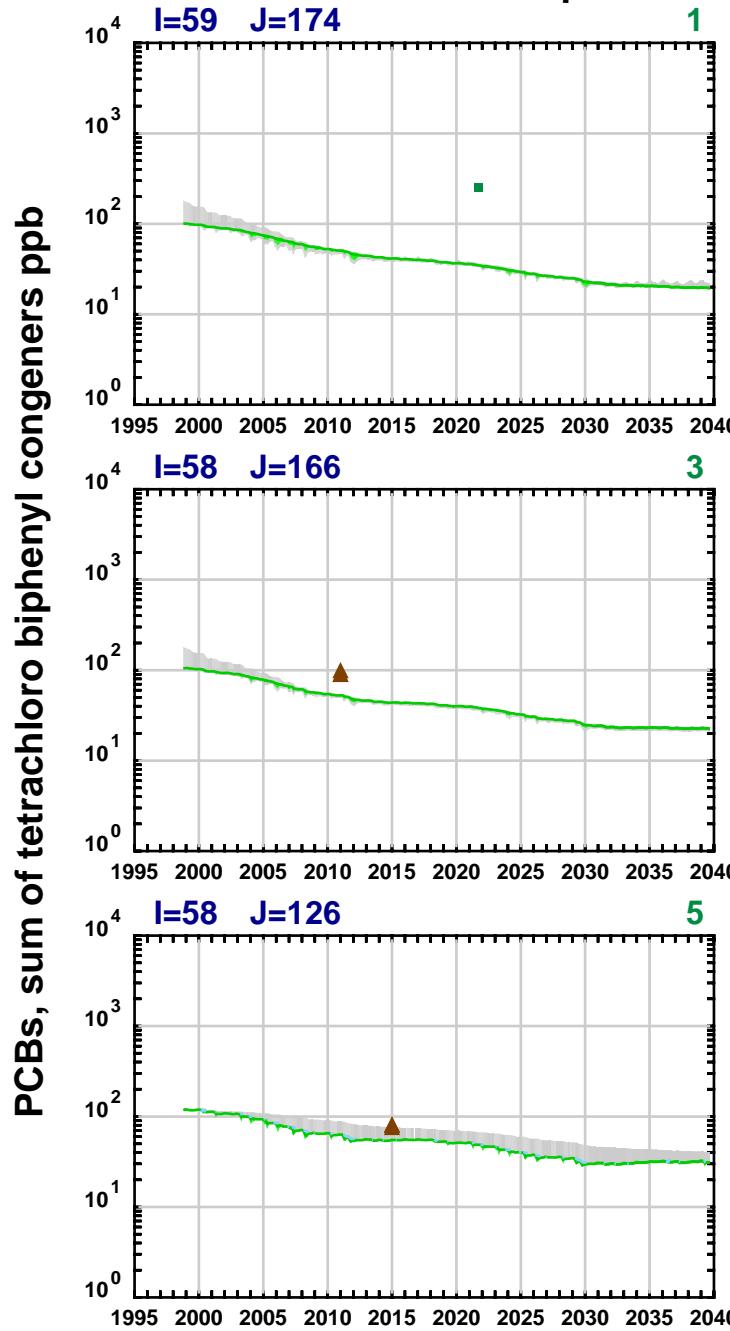
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 79 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

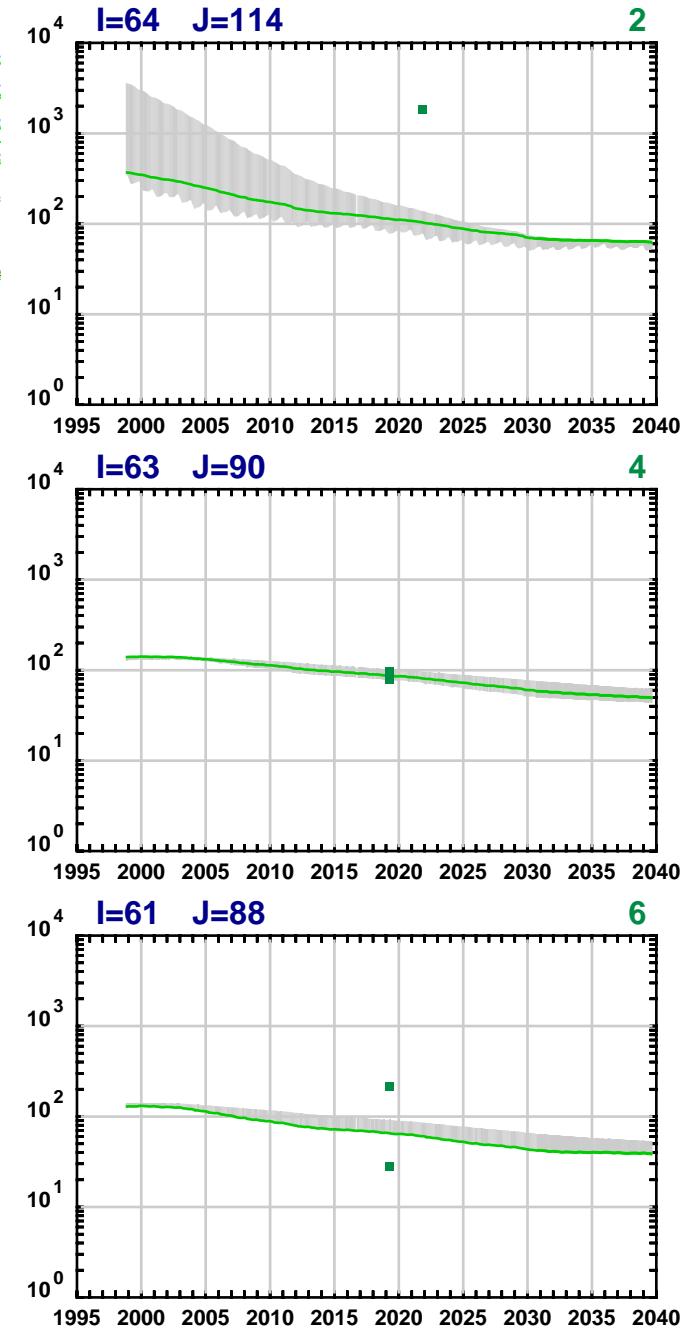
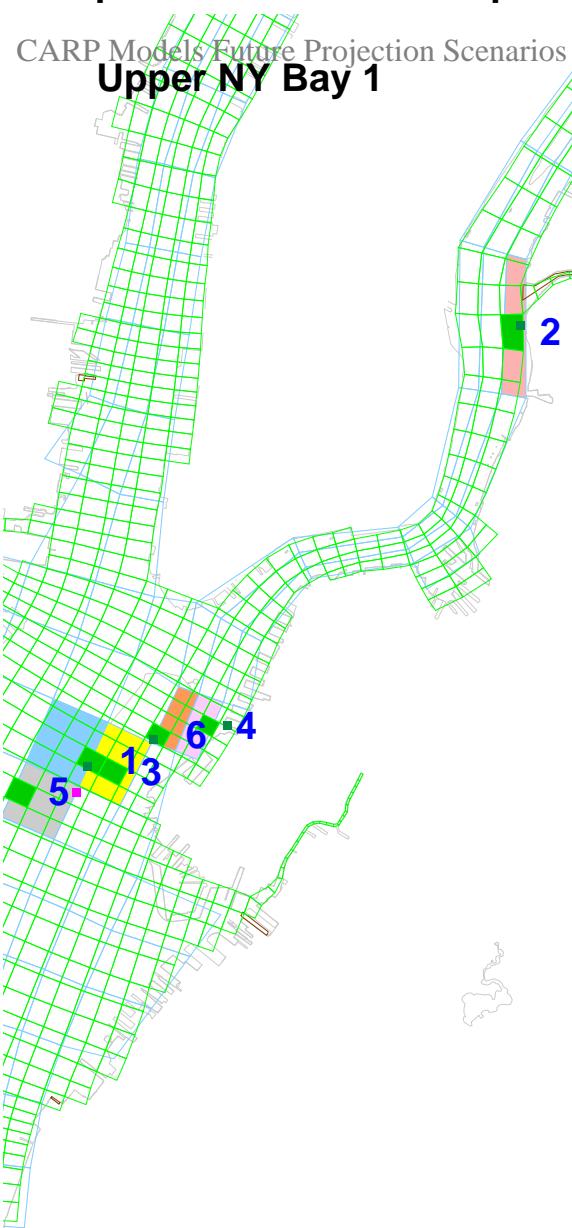
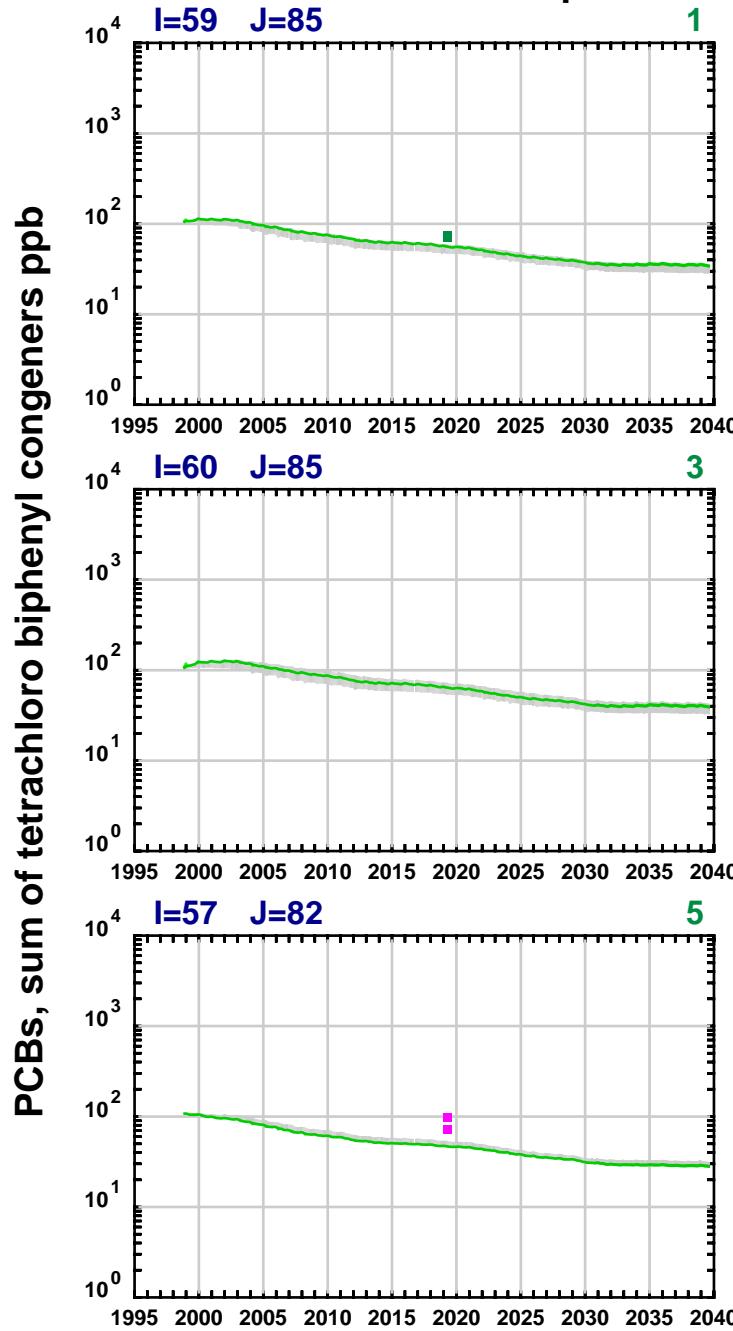
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 80 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

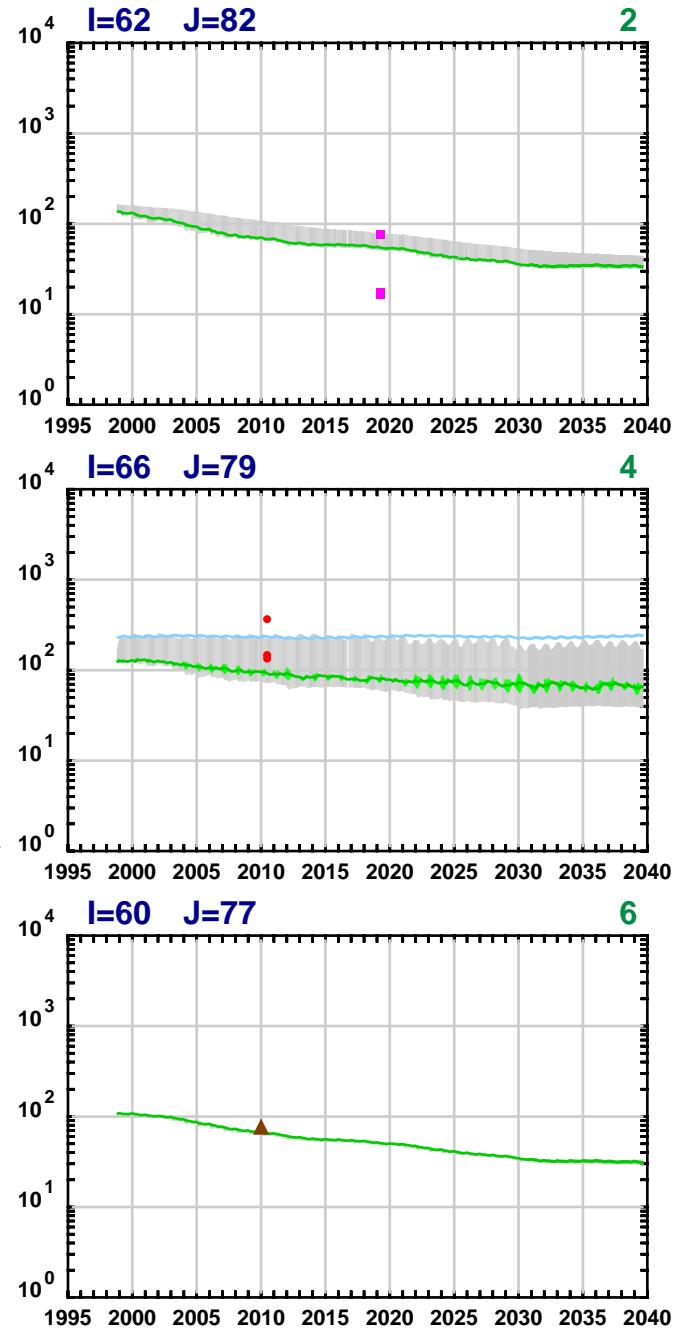
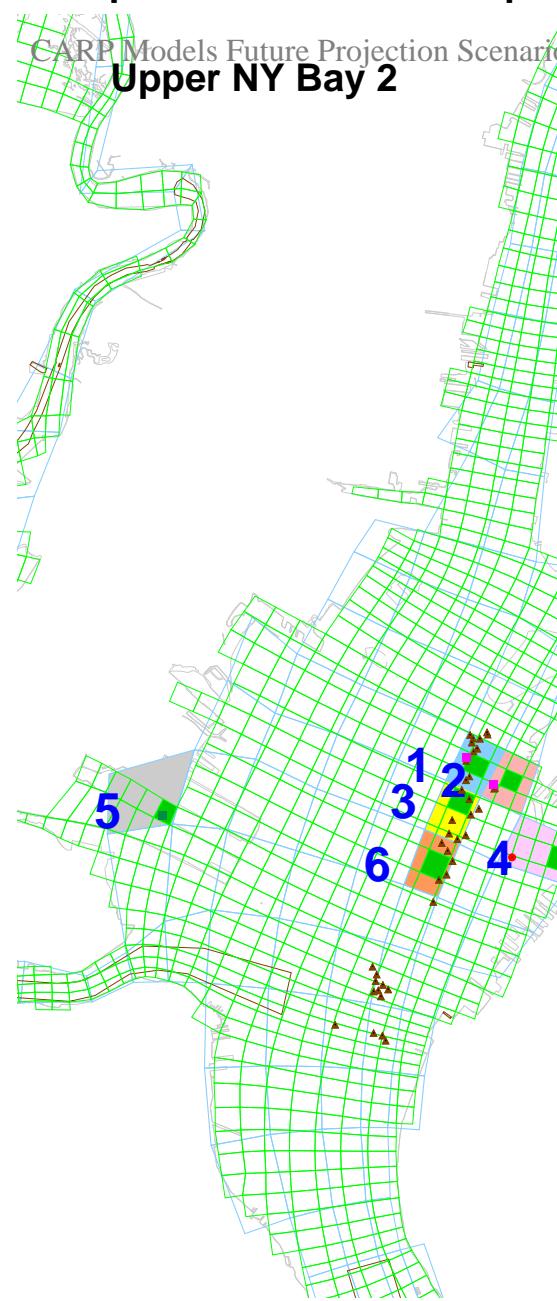
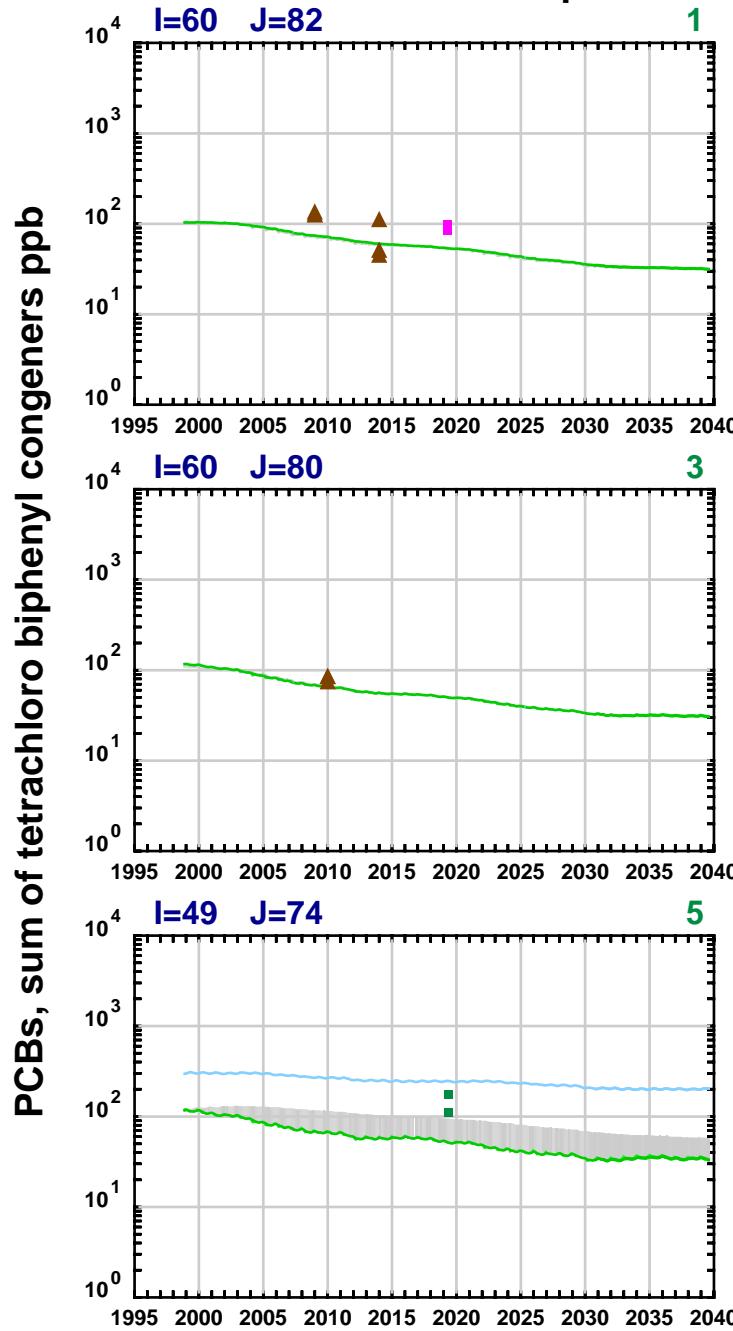
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

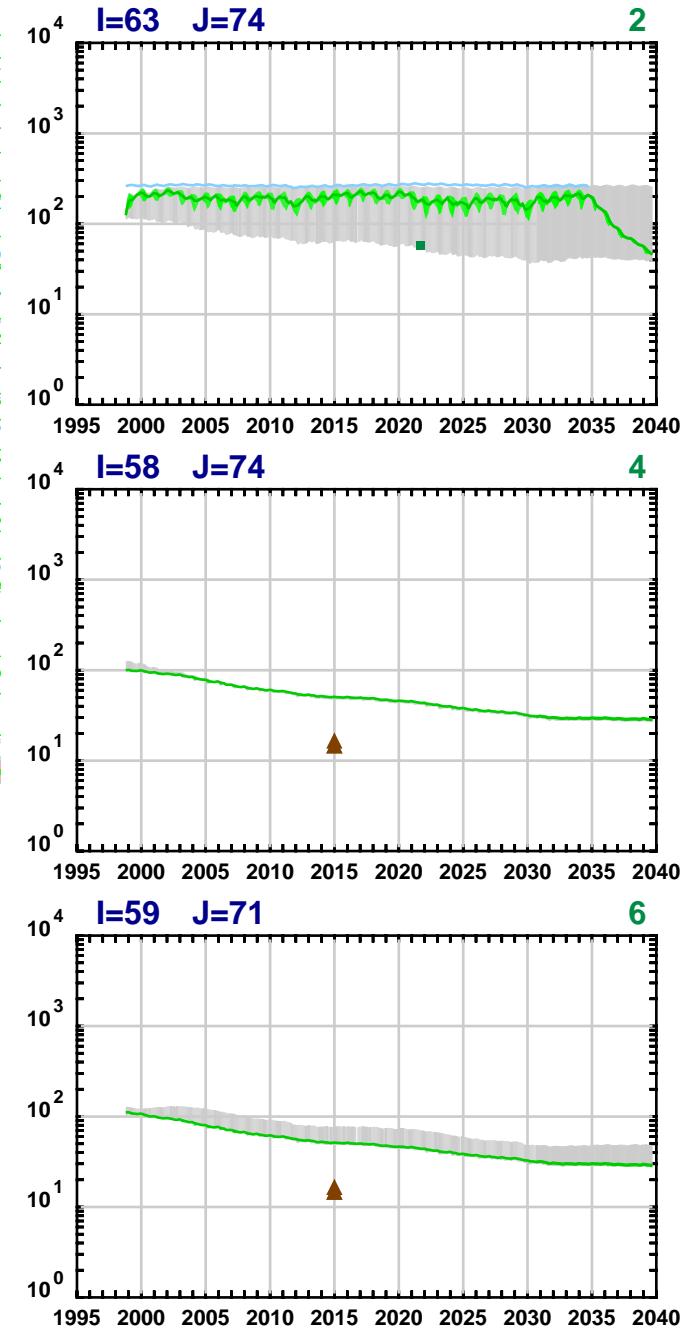
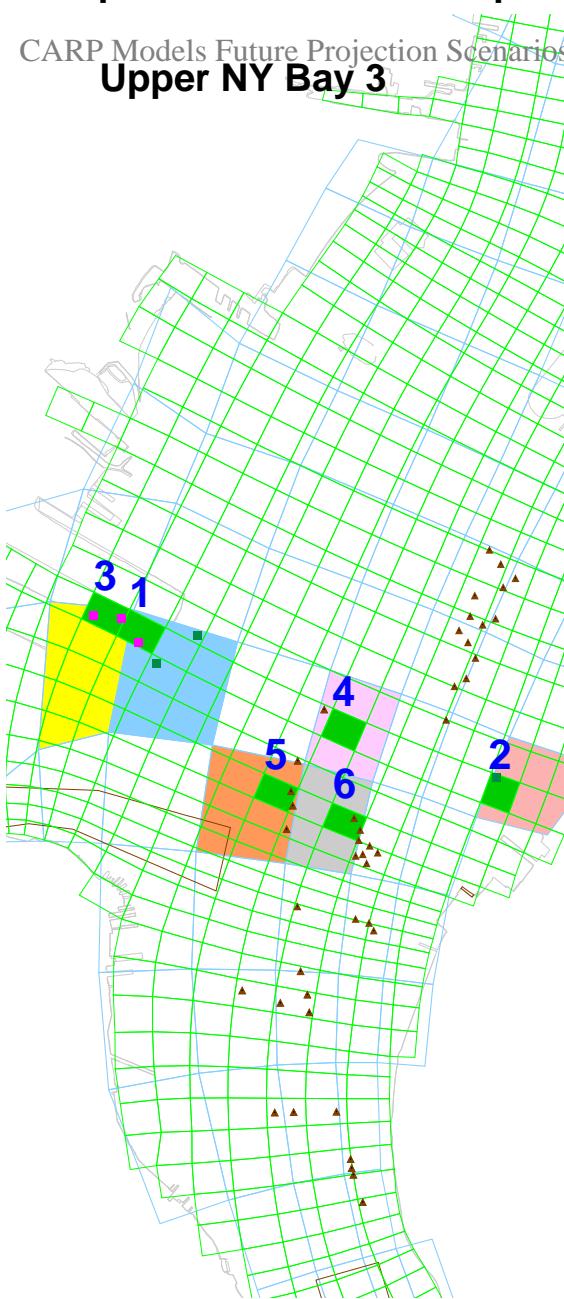
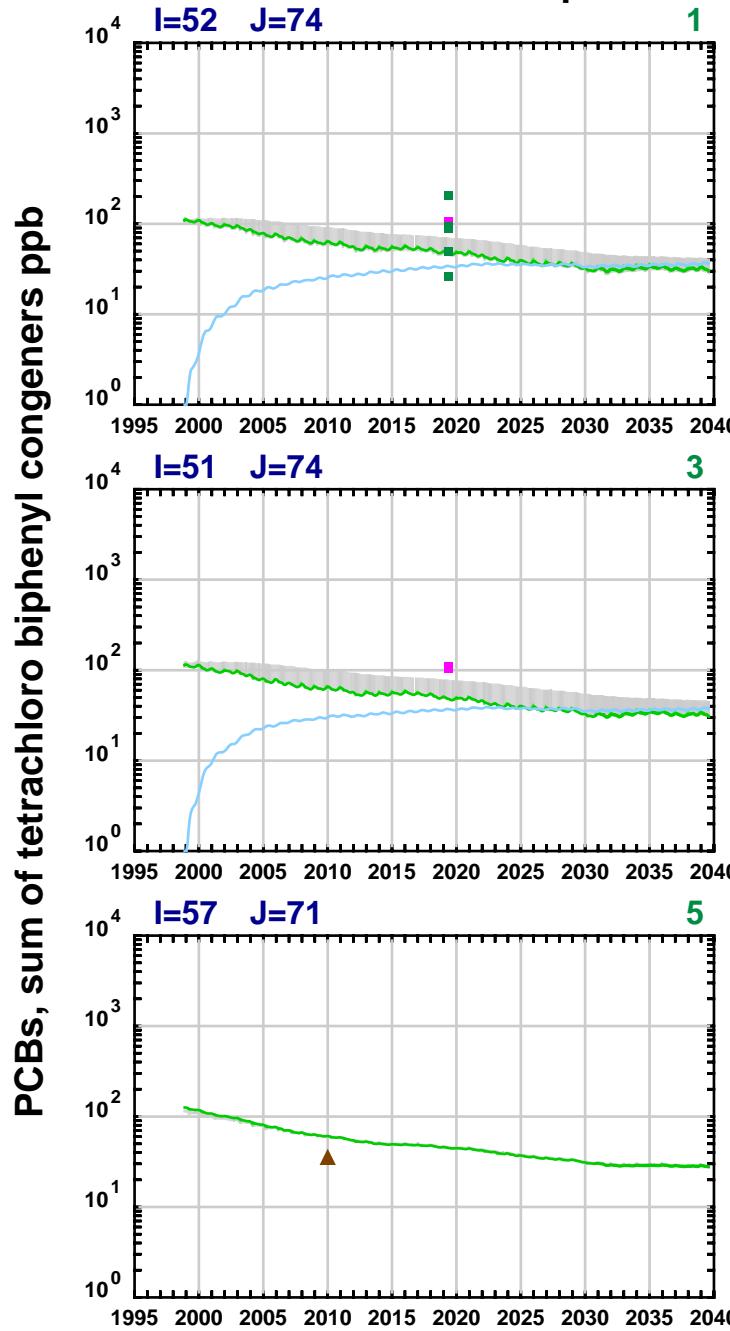
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

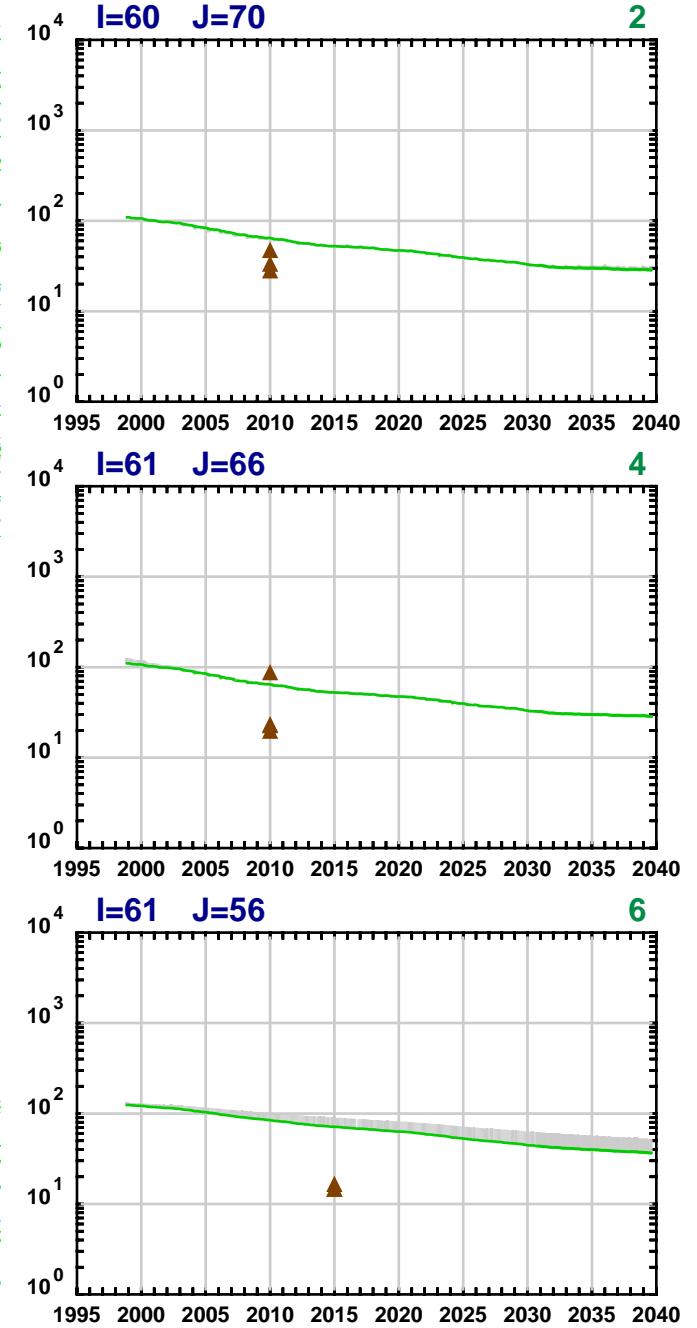
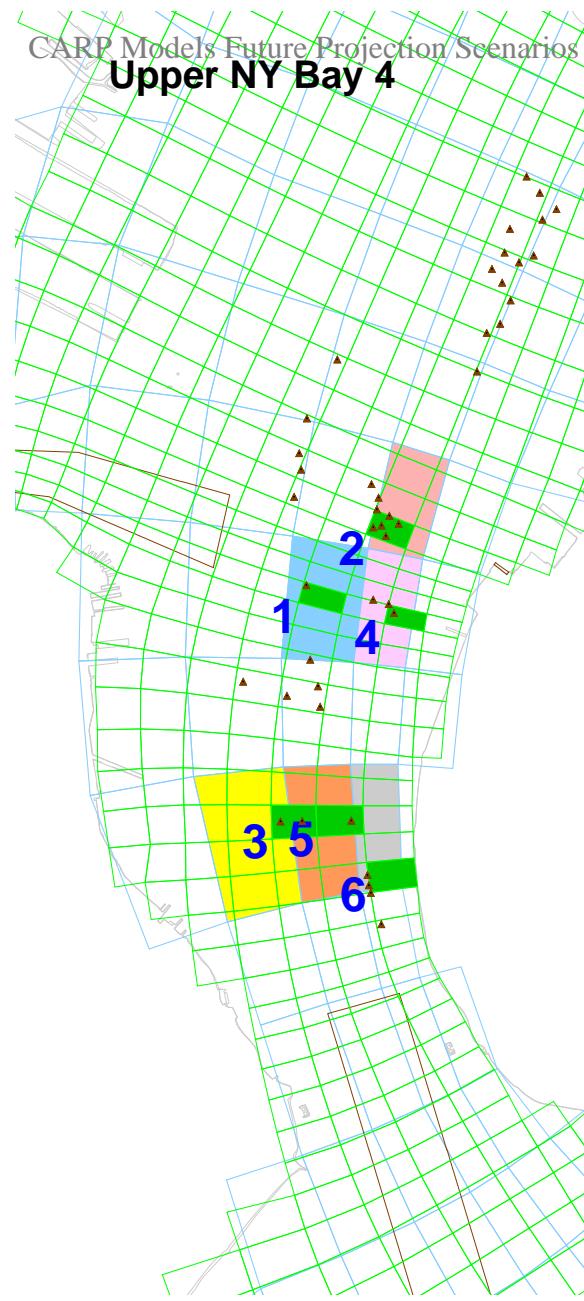
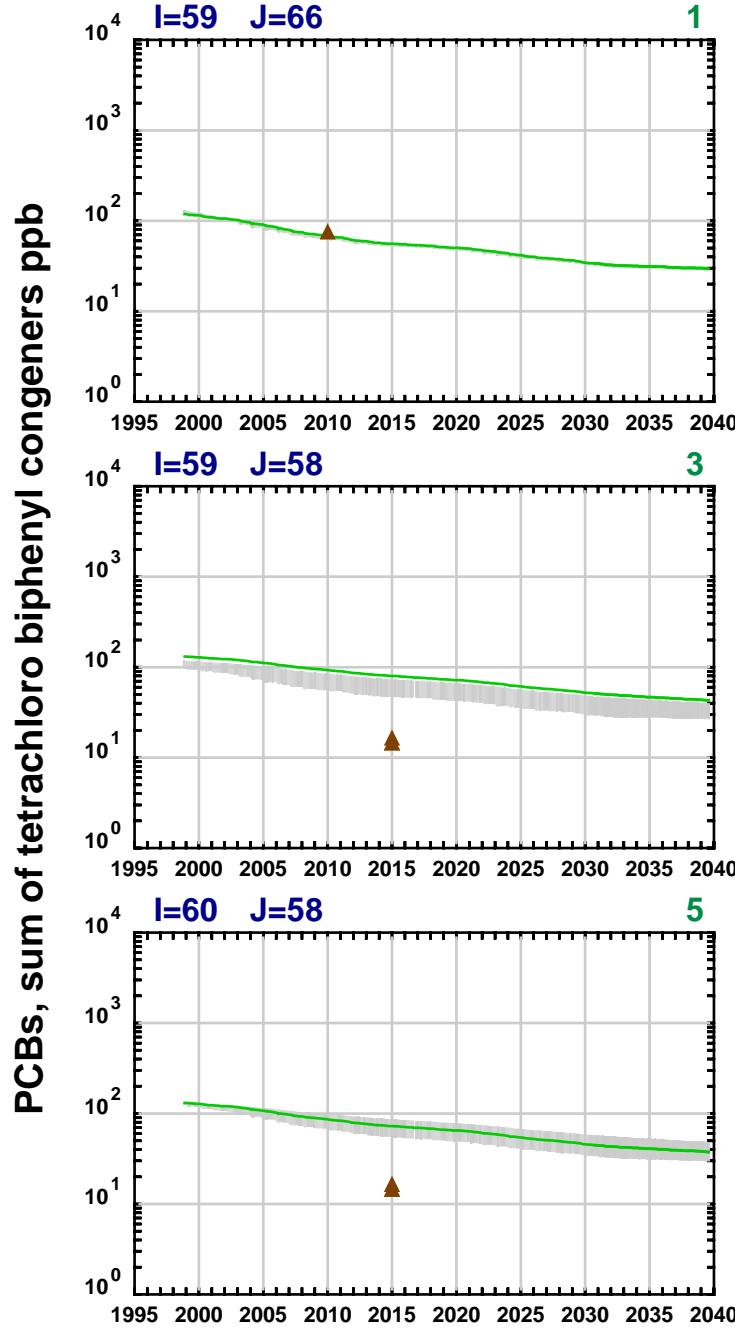
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

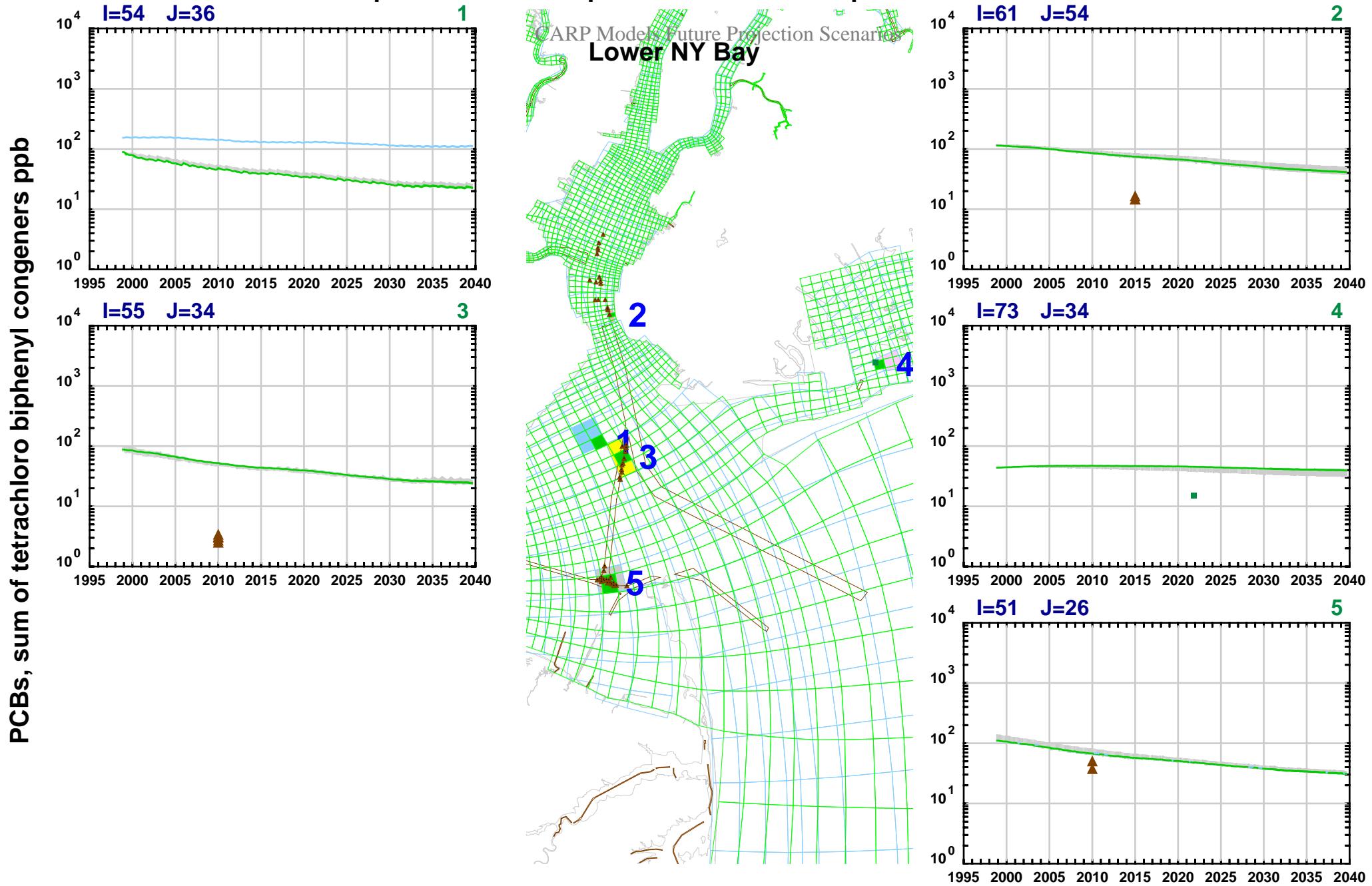
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

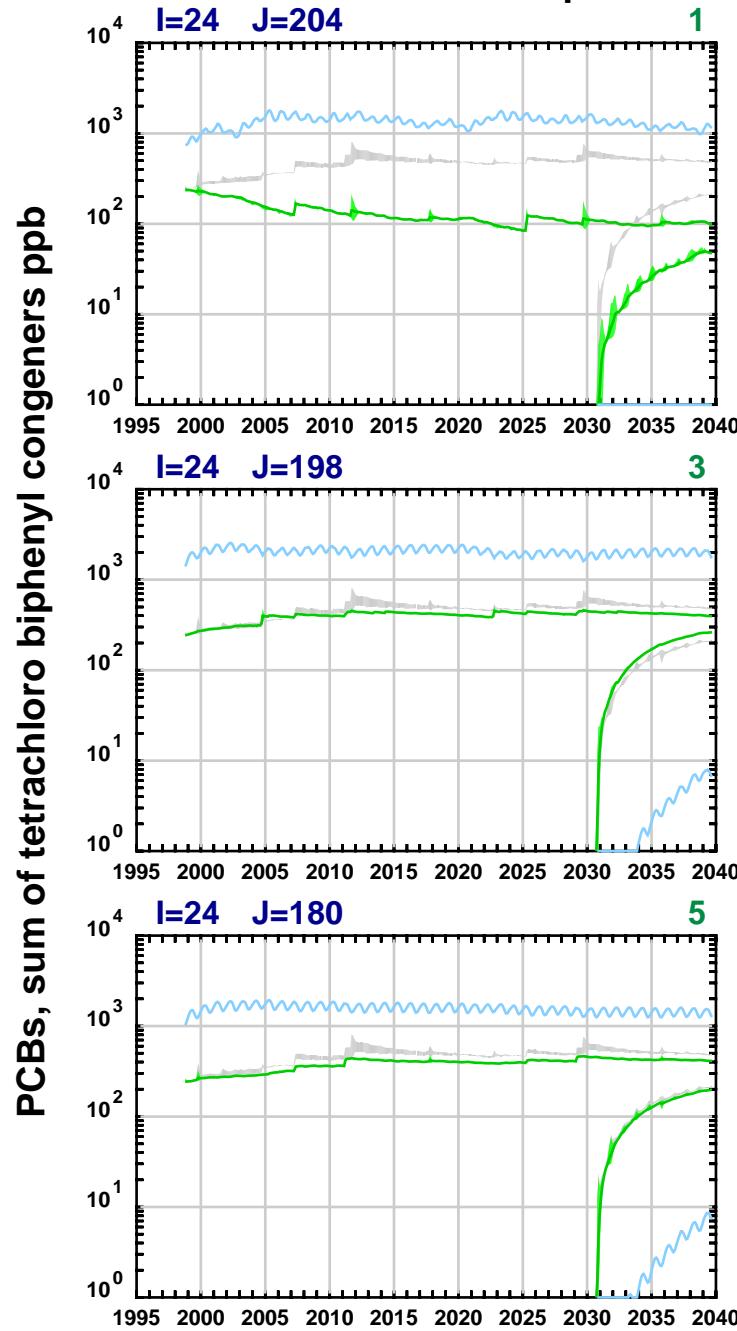
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

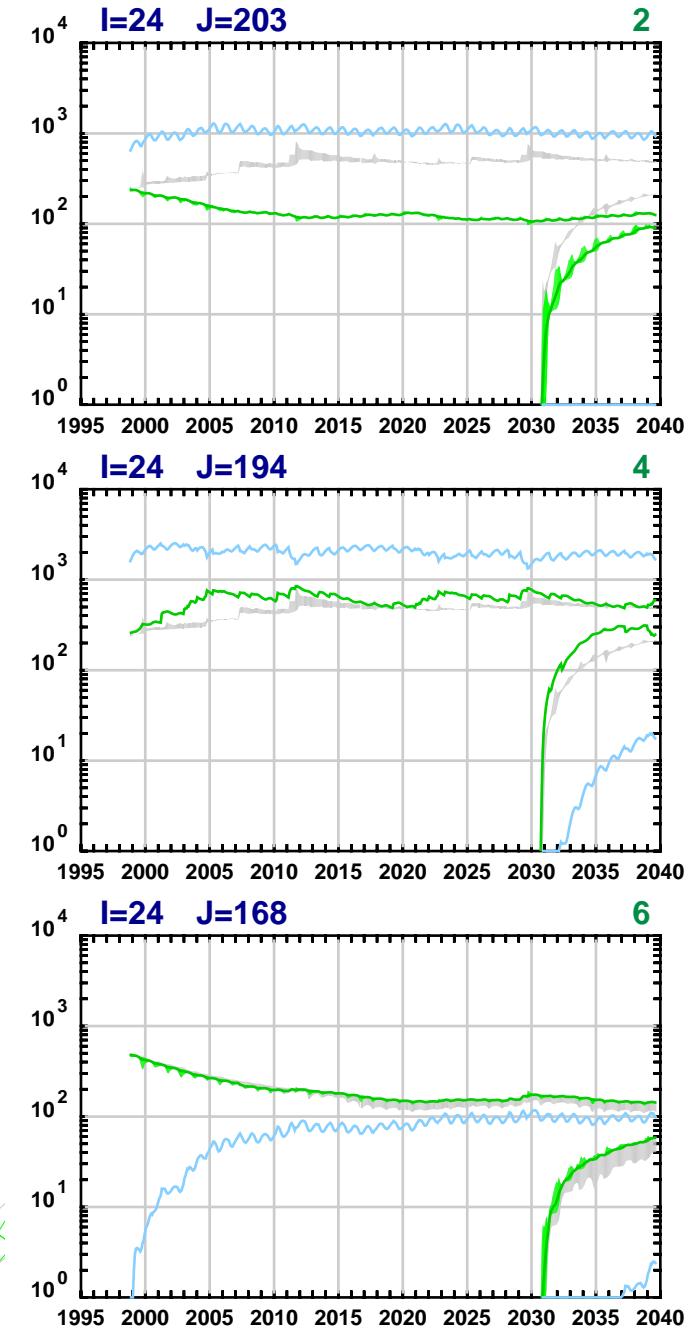
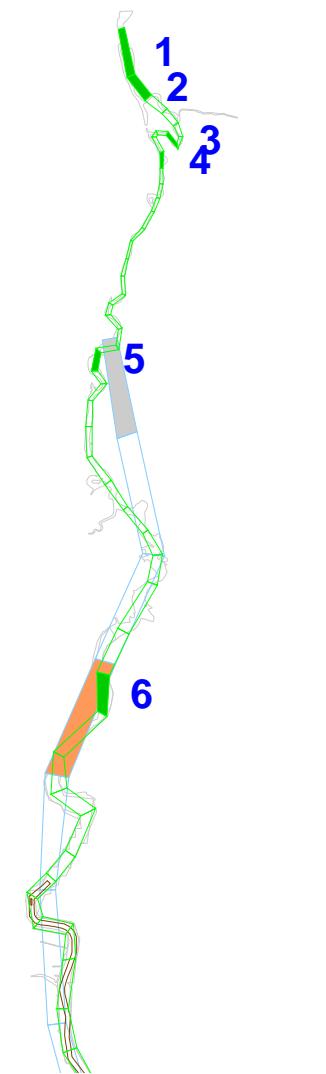
Appendix 1 Page 85 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

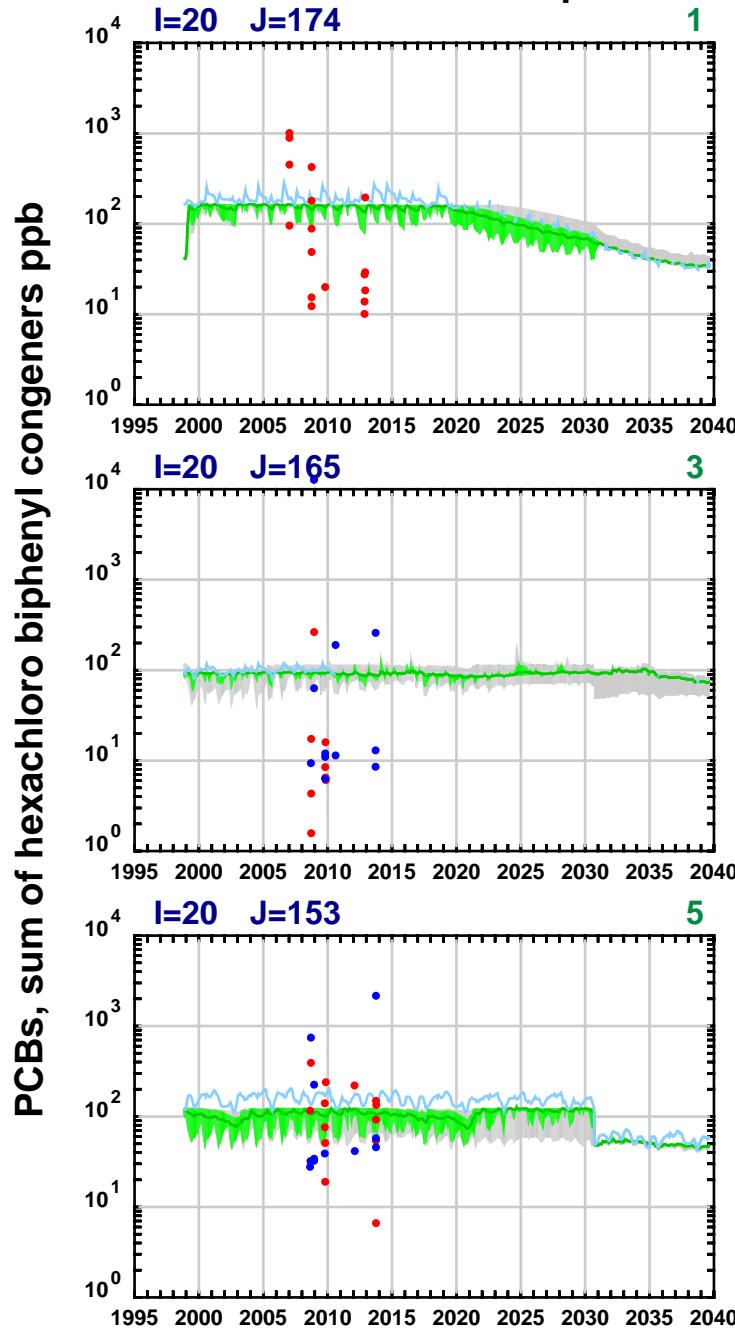
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I

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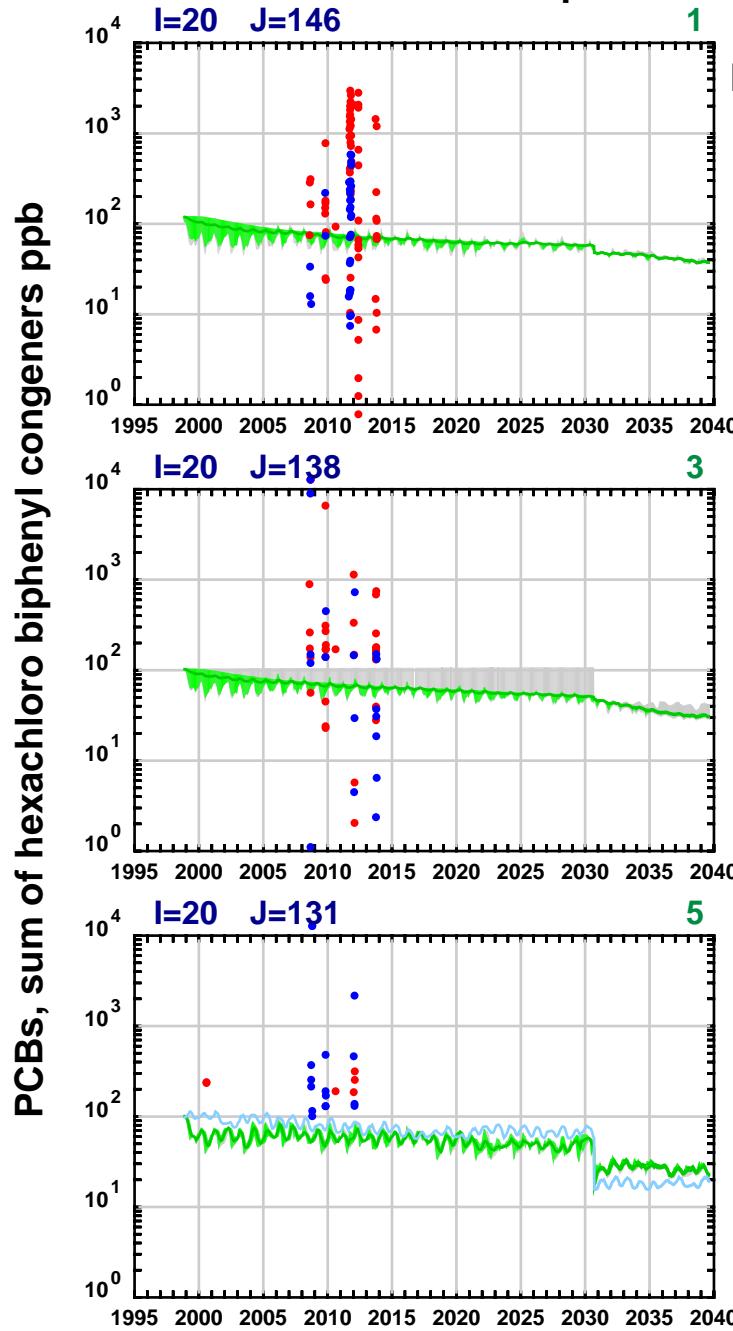
- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

RUN18_PROJ01_PROJ02_R1

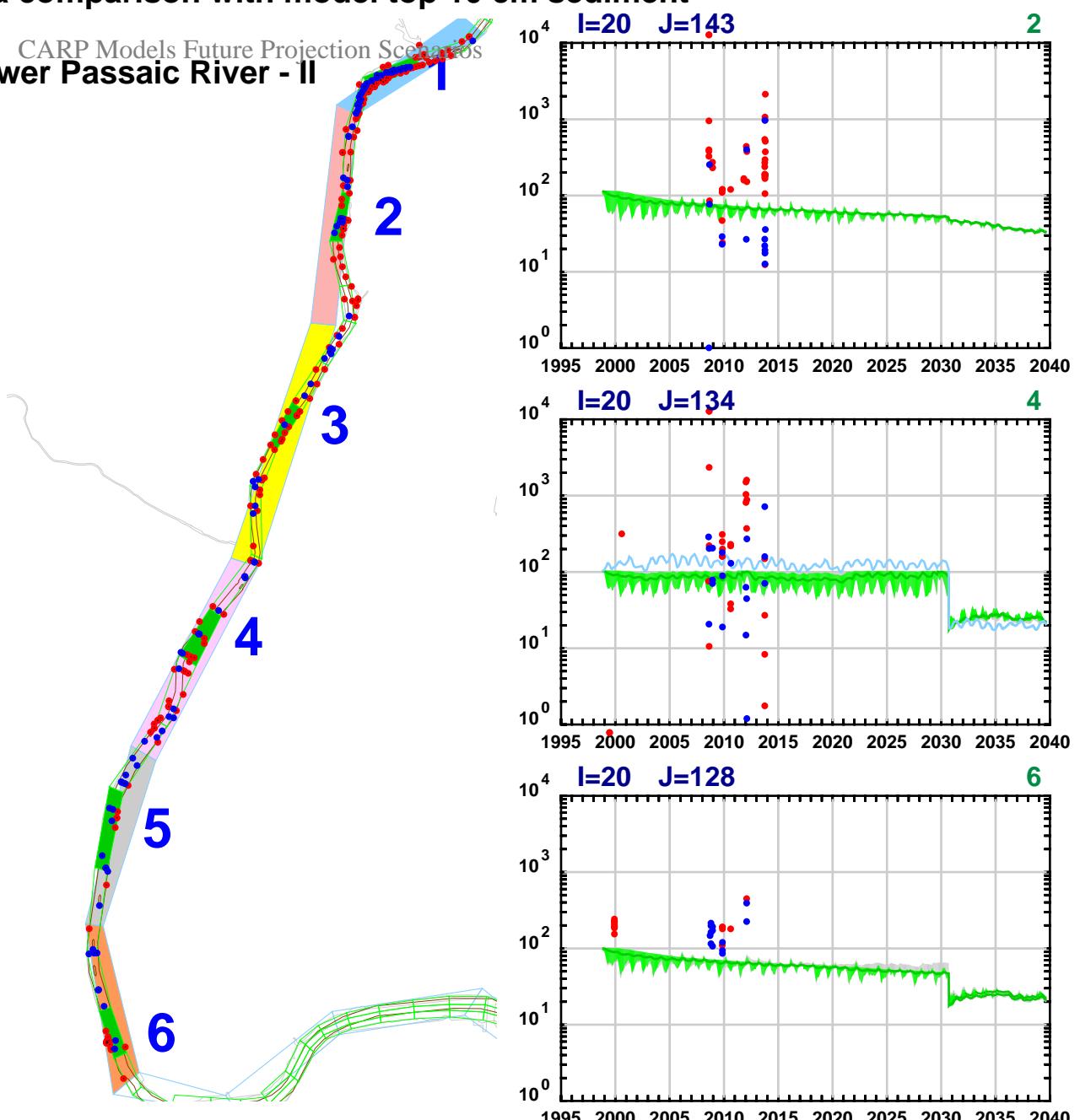
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - II



RUN18_PROJ01_PROJ02_R1

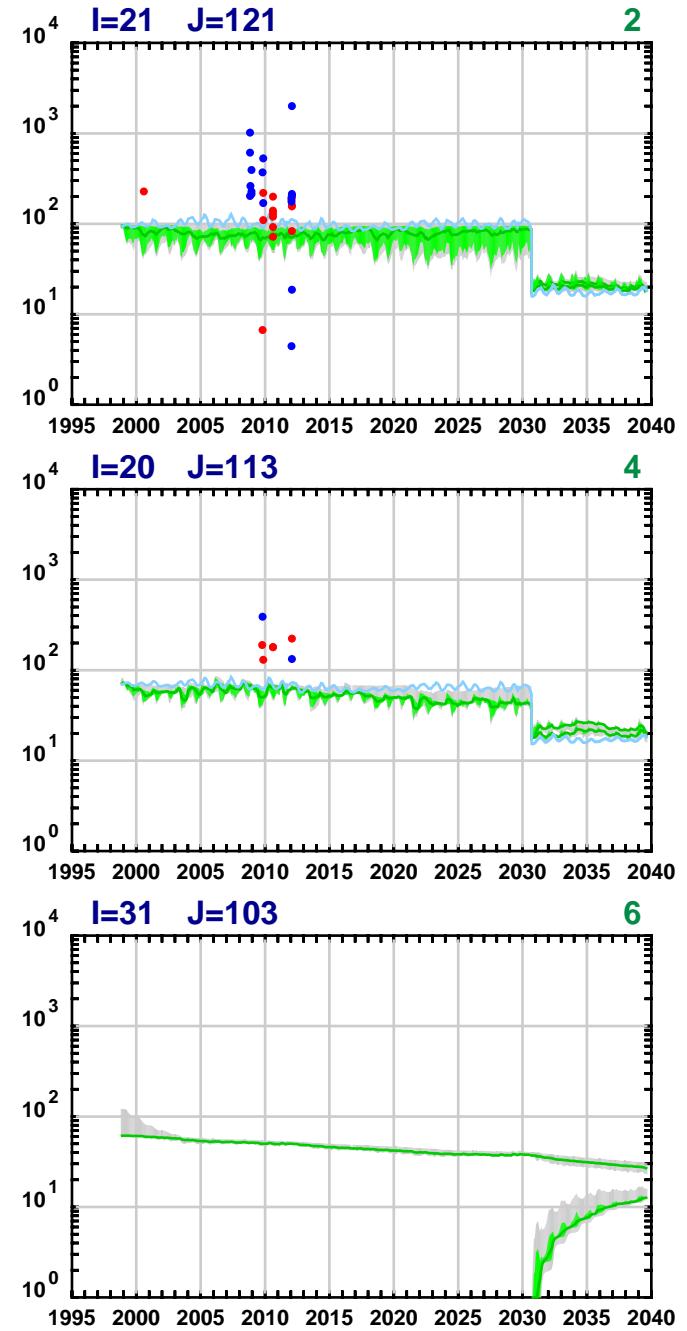
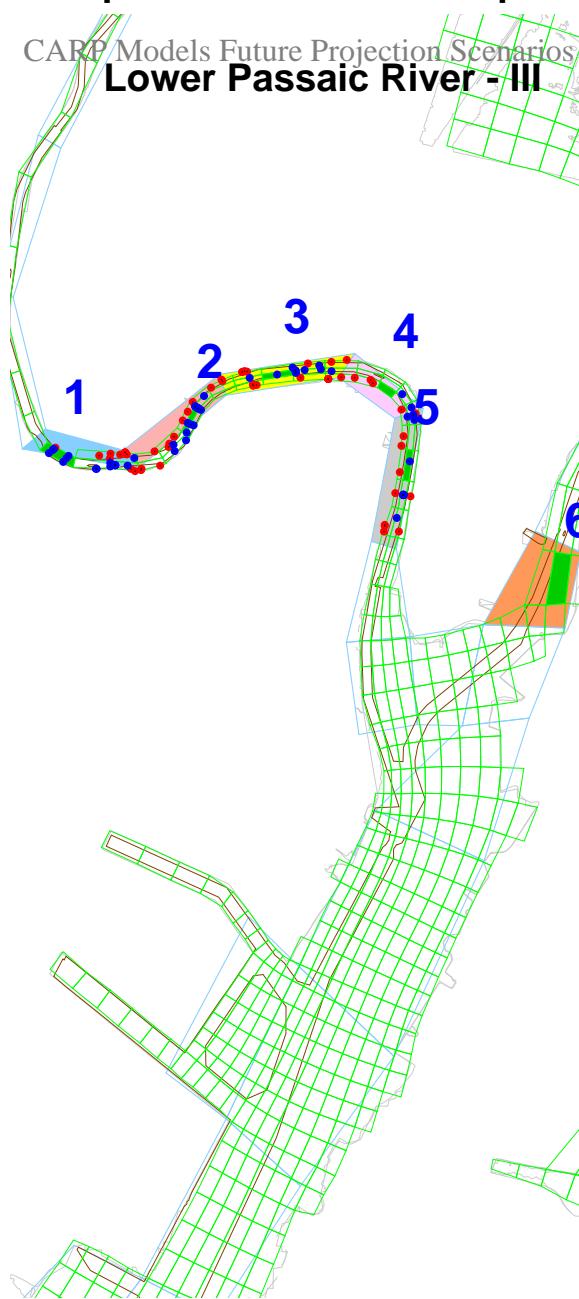
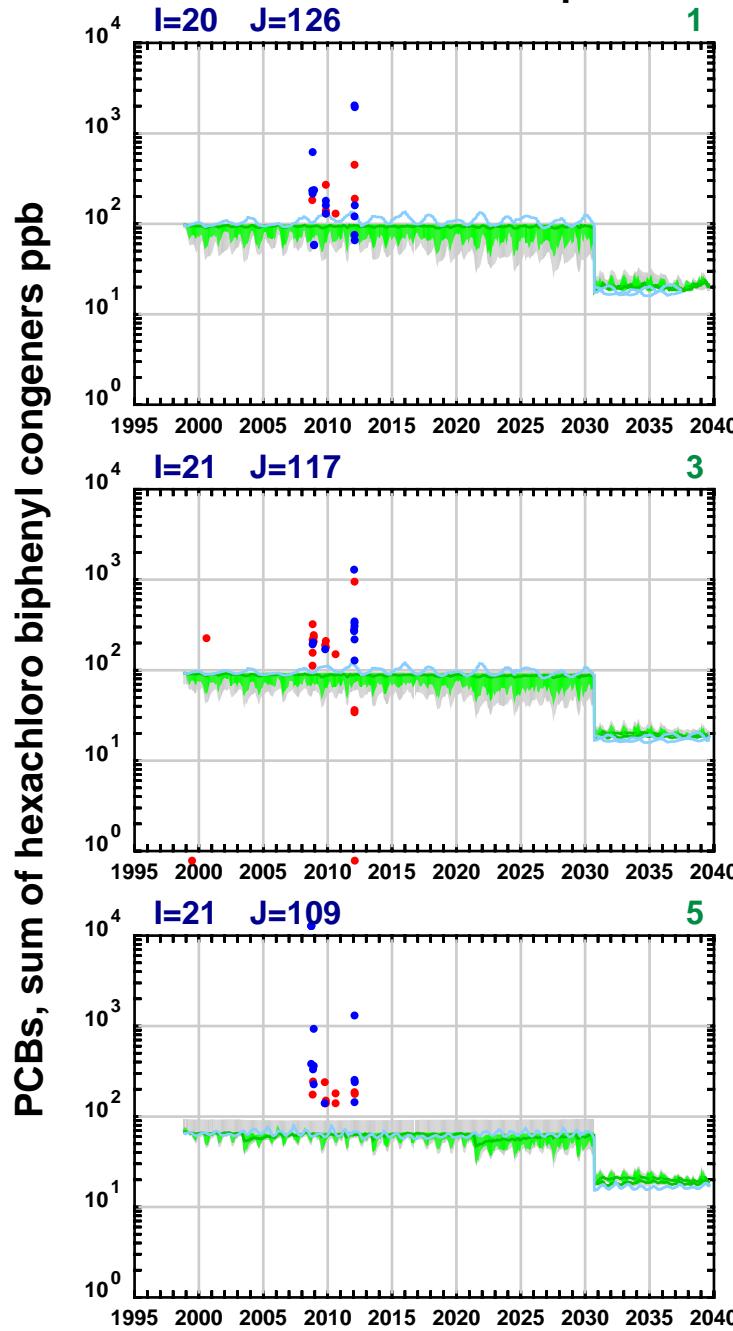
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

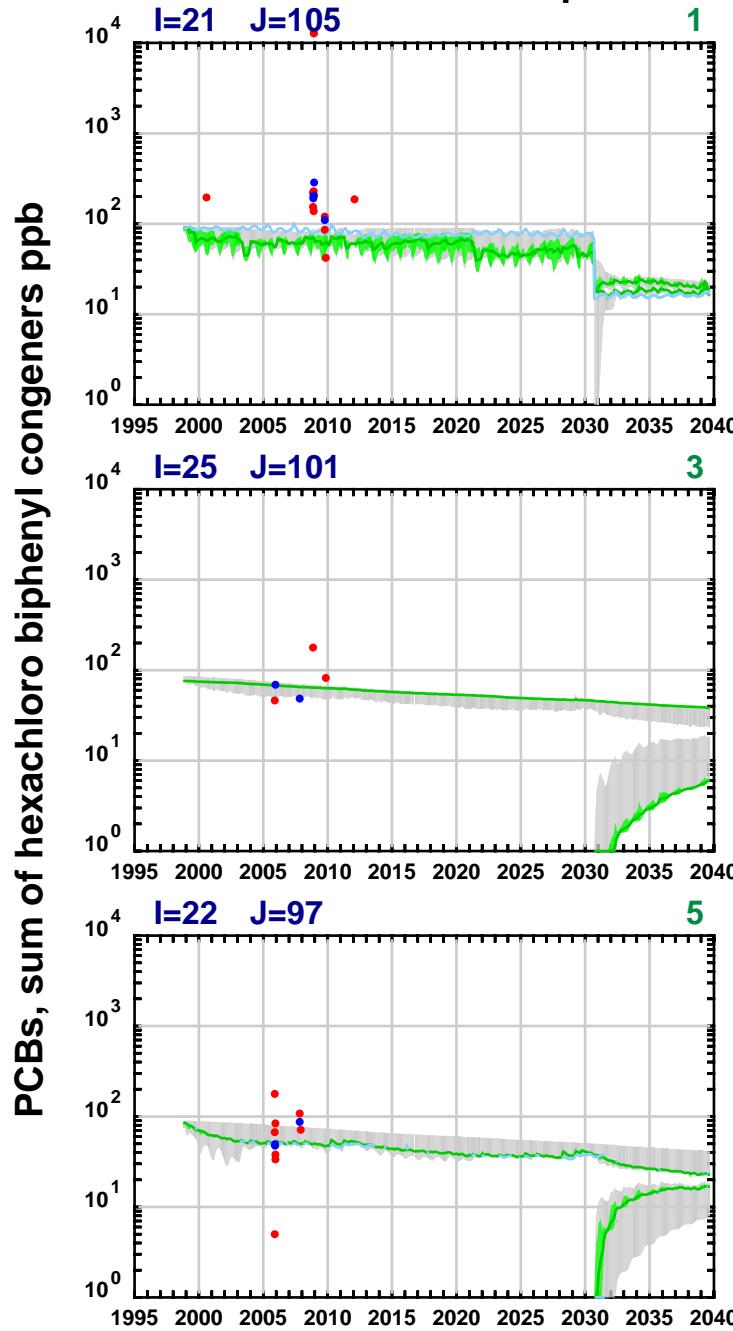
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

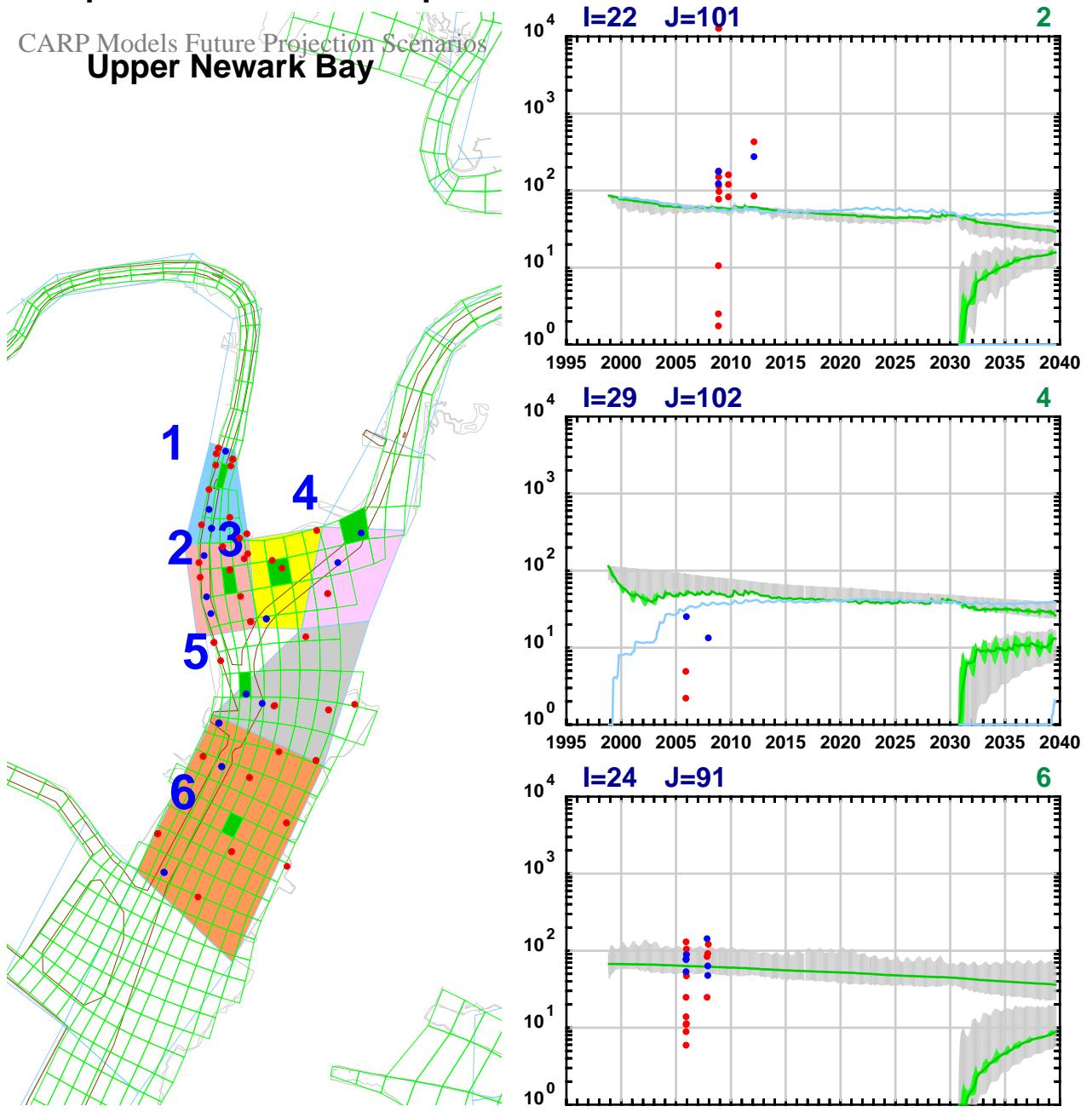
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● In-channel data	● Off-channel data	▲ Dredge data
■ CARP2 In-channel	■ CARP2 Off-channel	

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

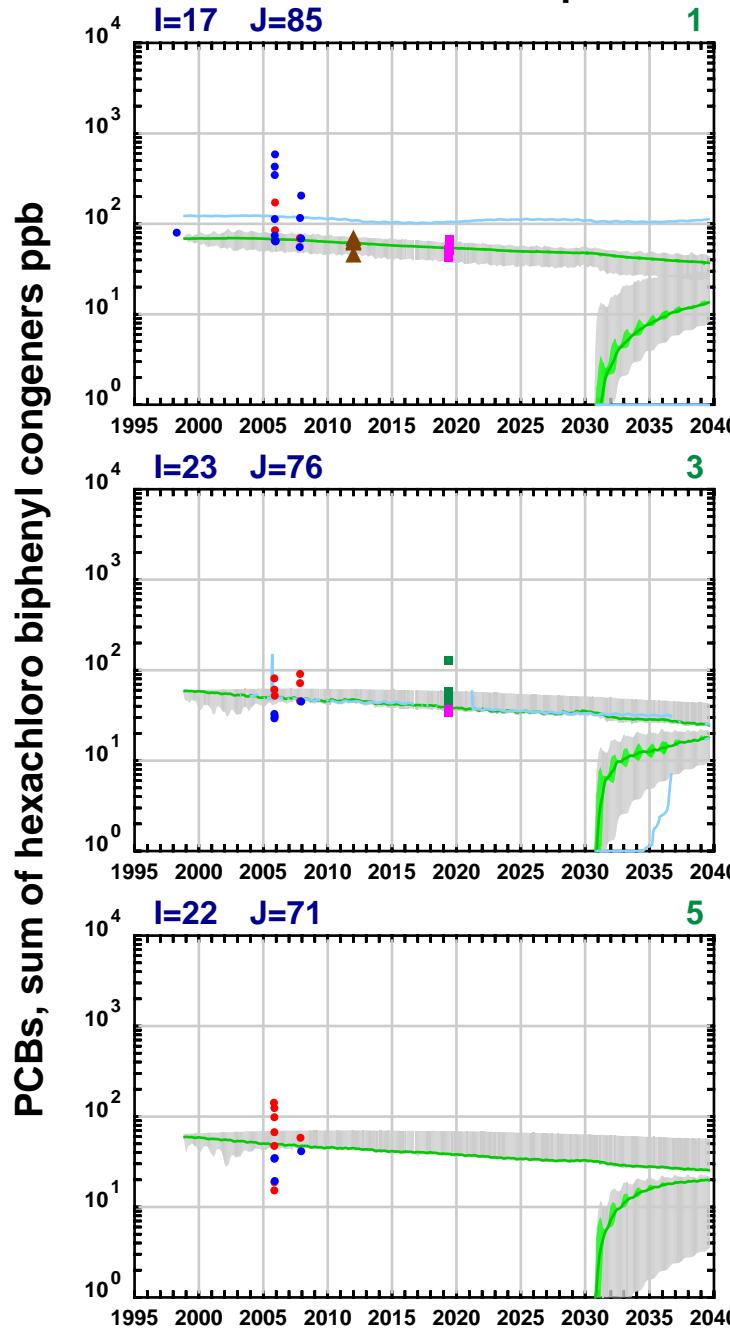
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

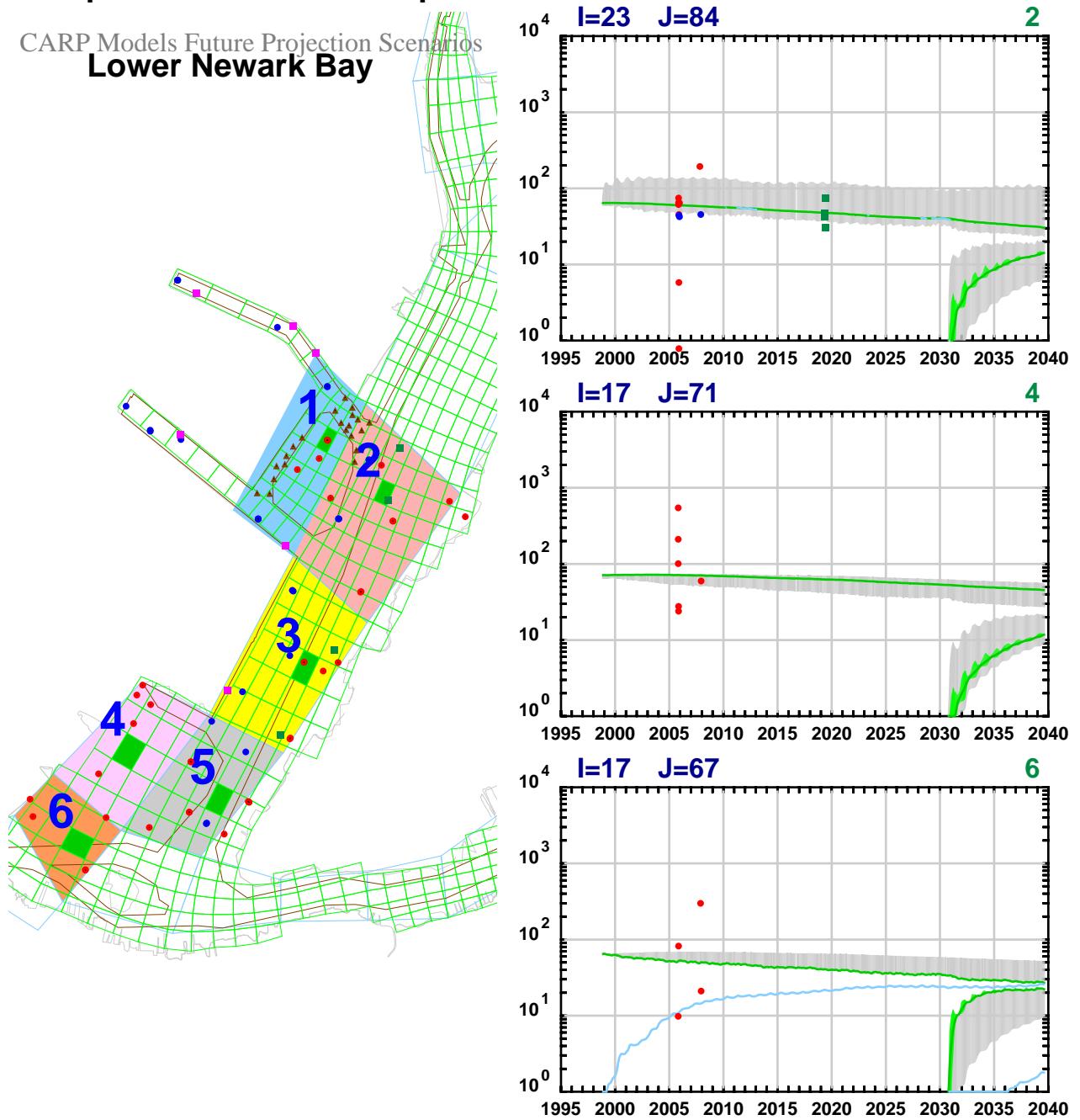
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● In-channel data	● Off-channel data	▲ Dredge data
■ CARP2 In-channel	■ CARP2 Off-channel	

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

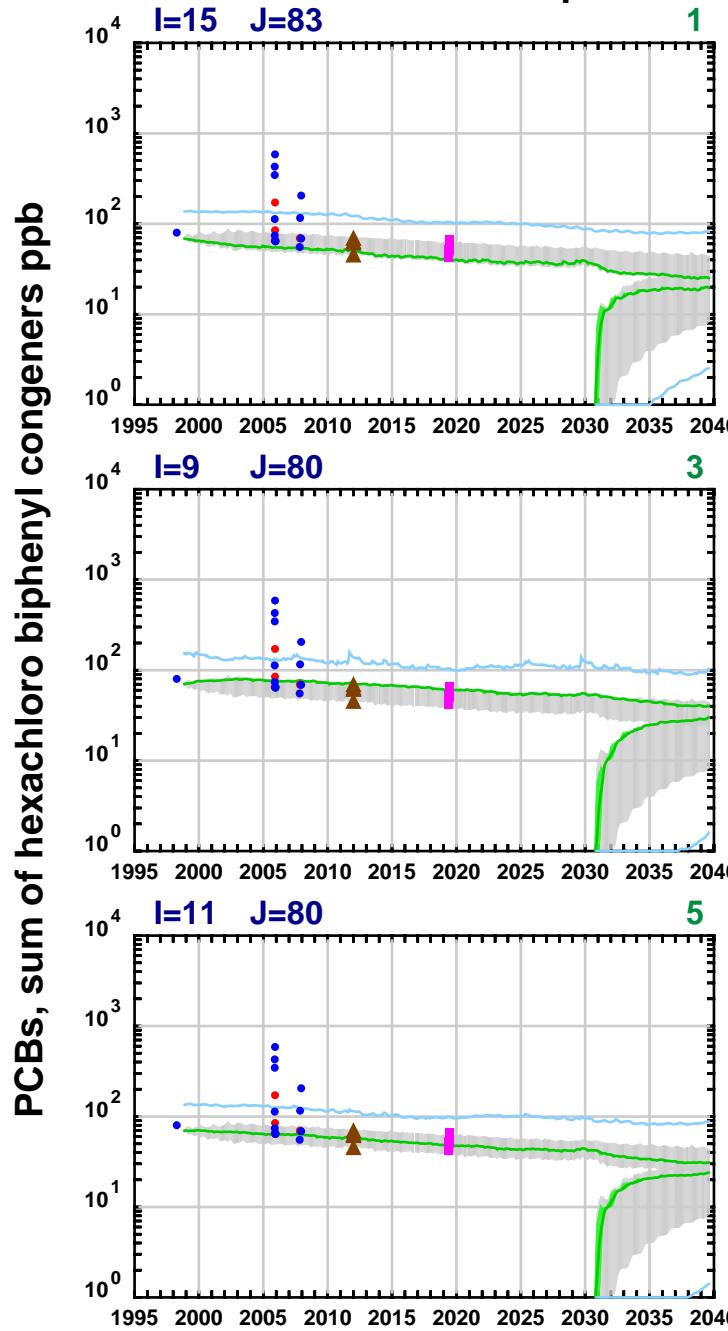
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

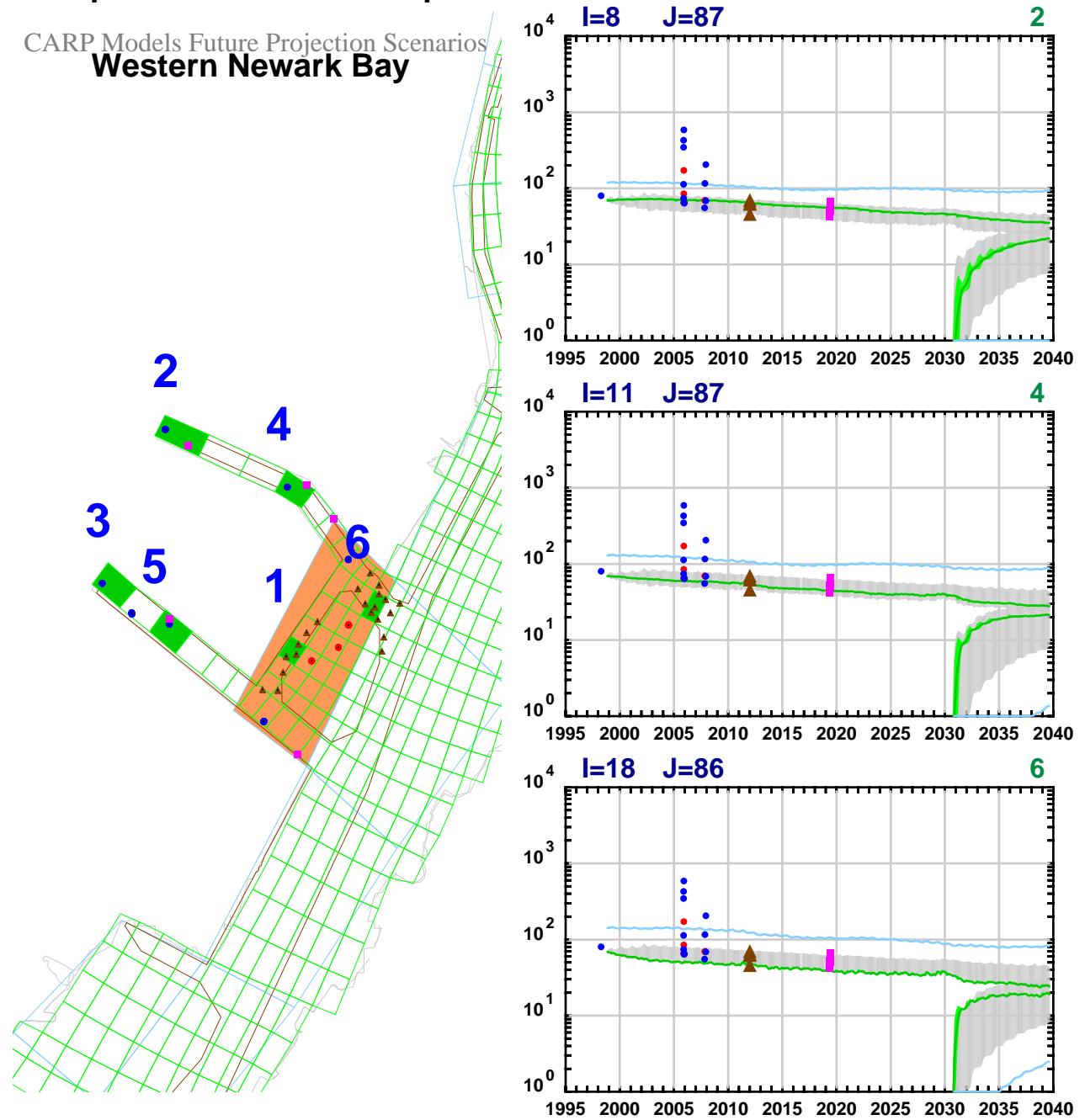
Appendix 1 Page 91 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

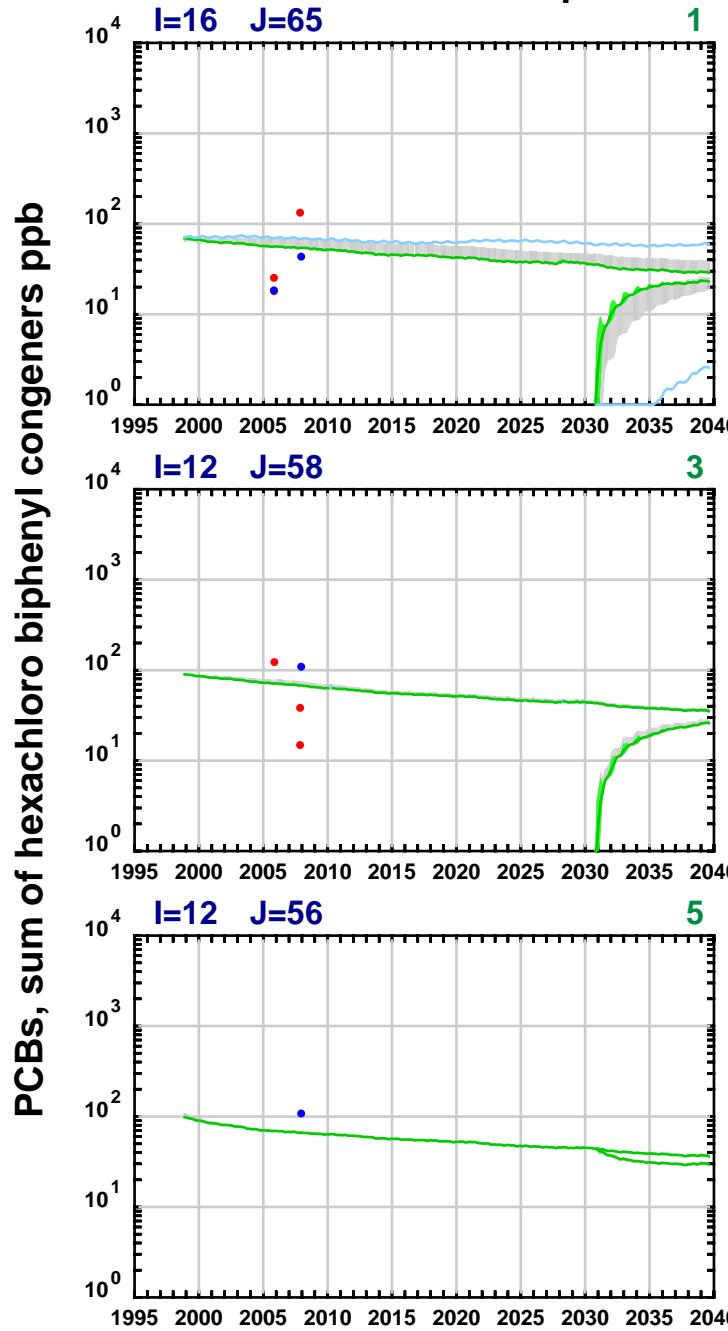
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

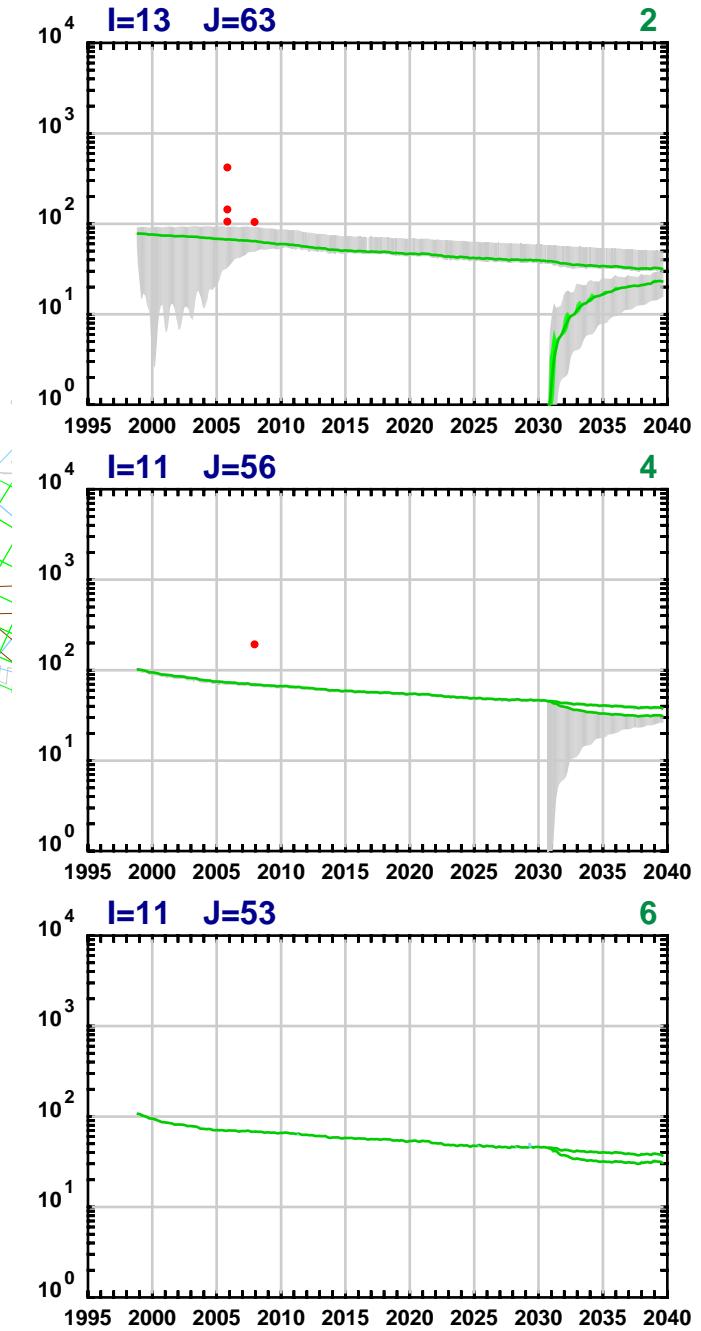
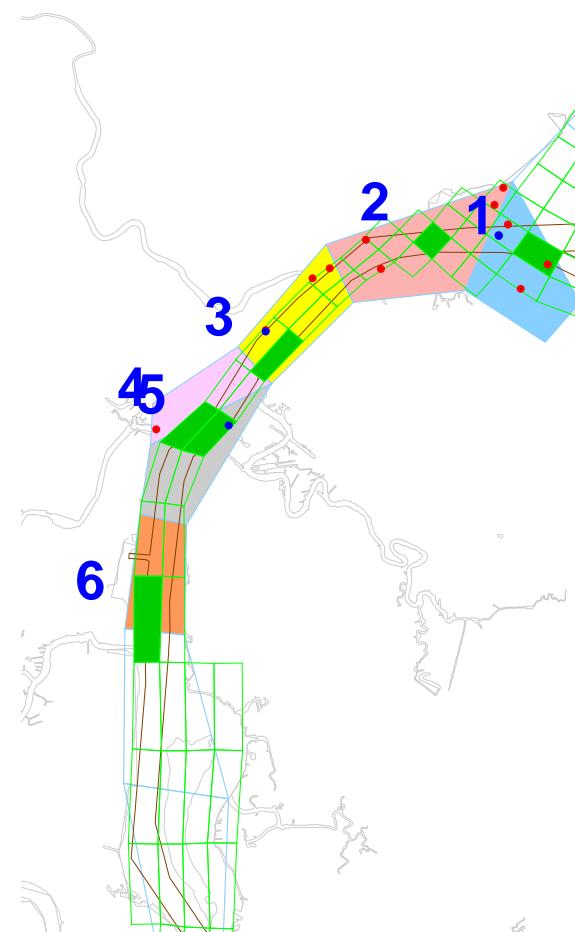
Appendix 1 Page 92 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

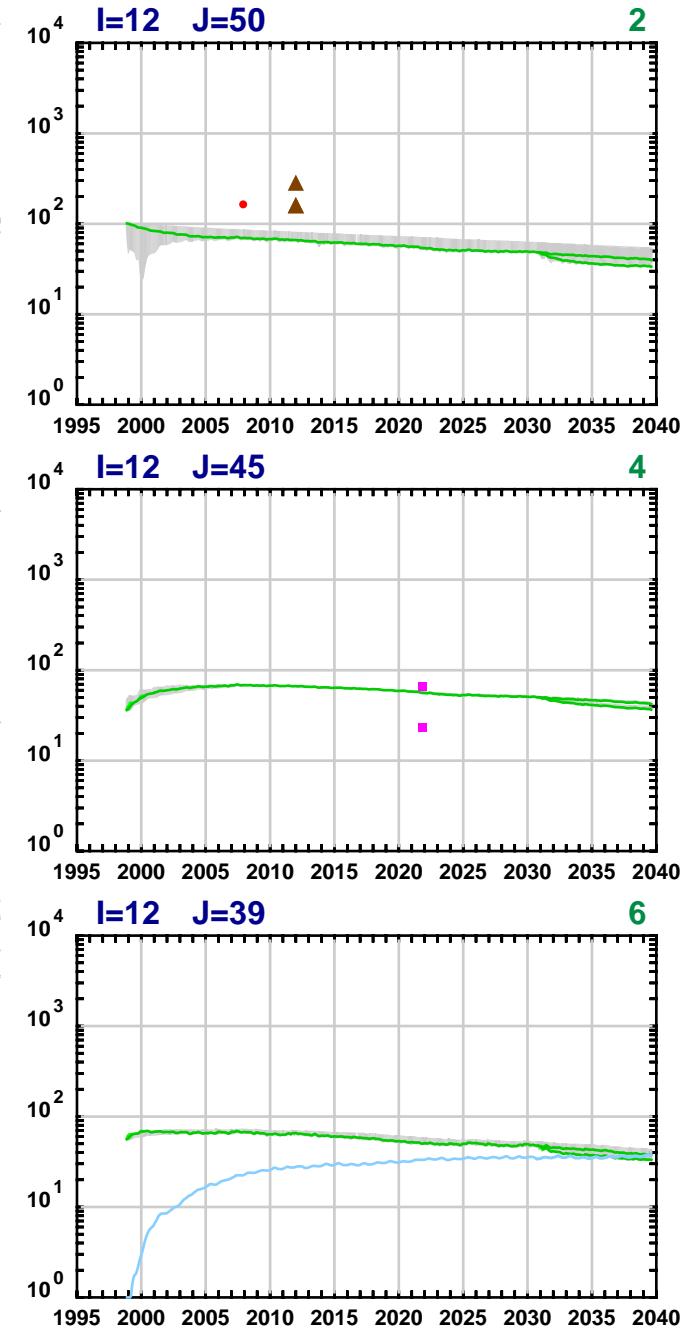
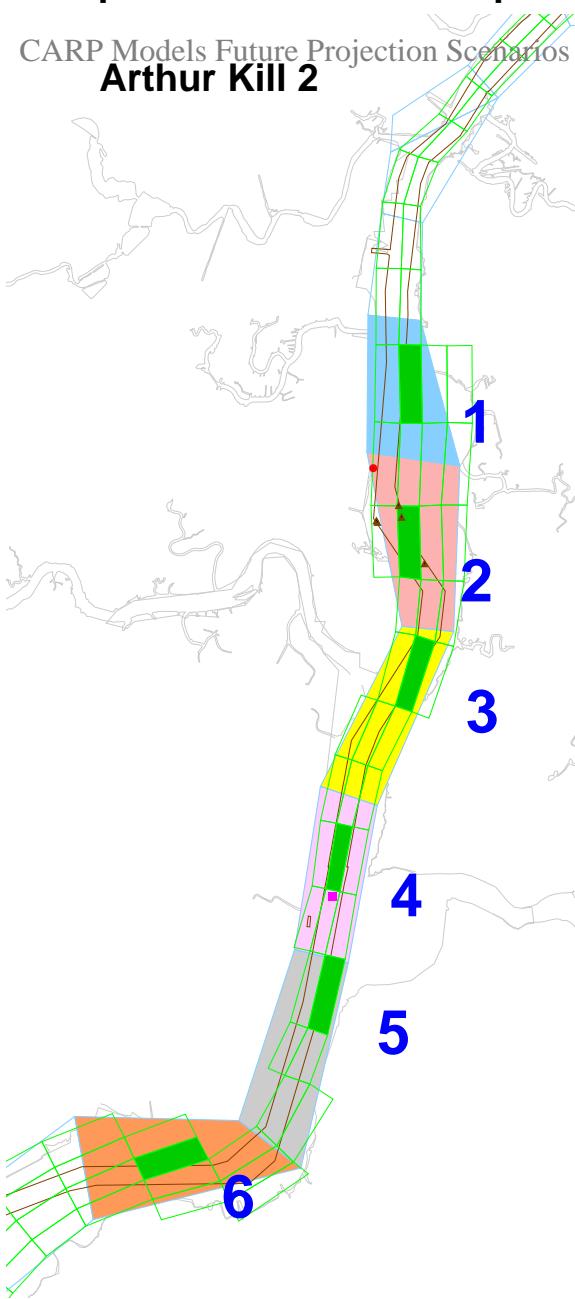
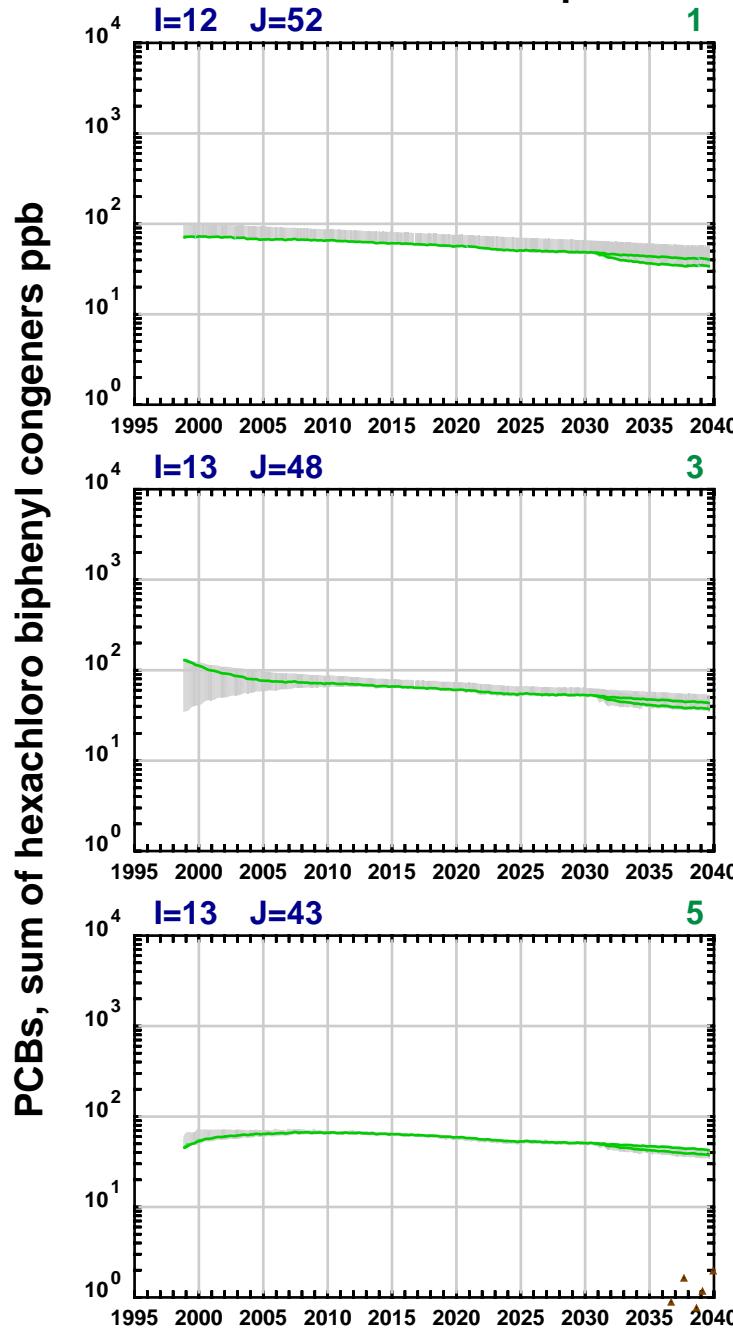
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

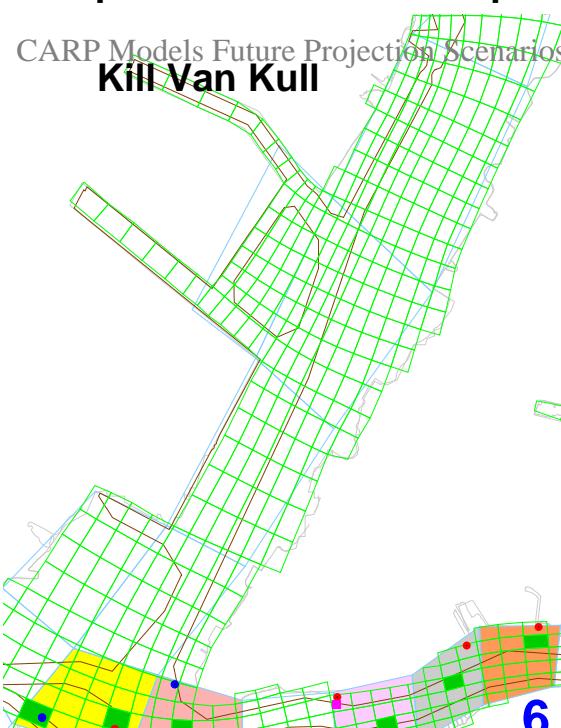
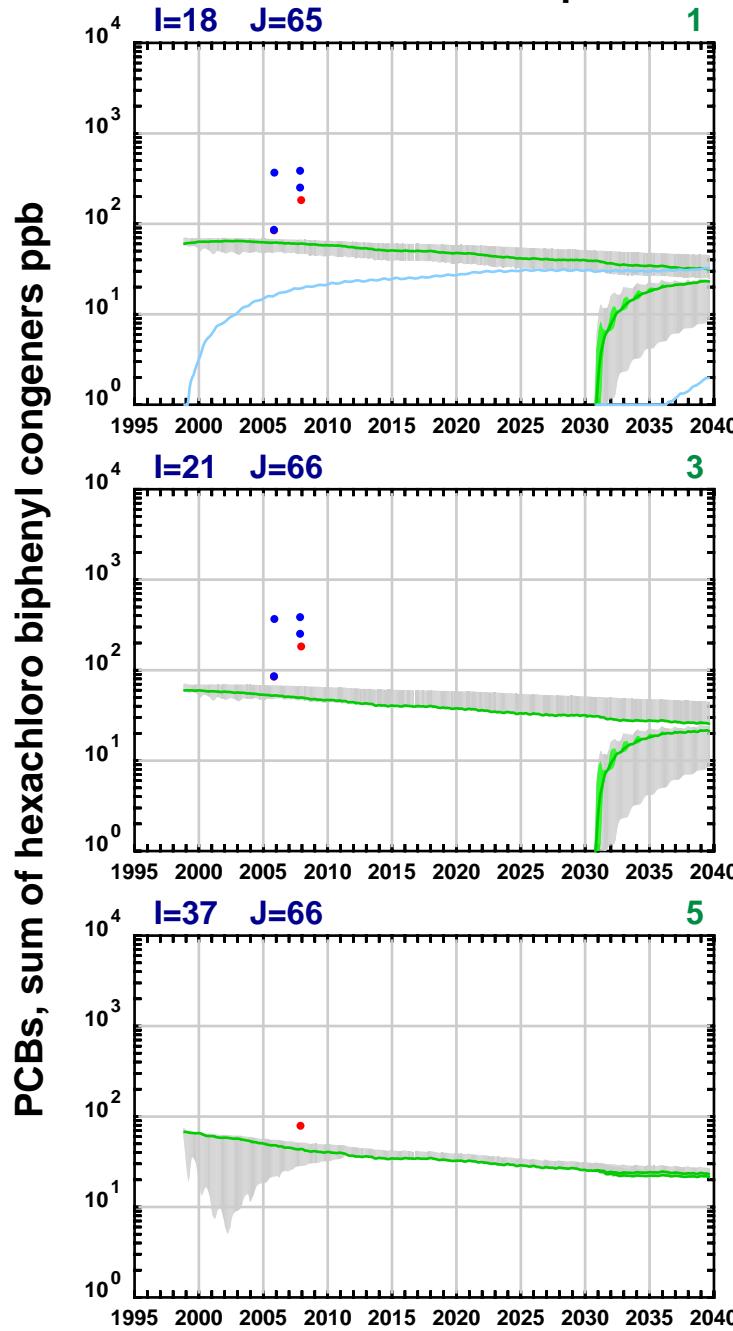
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

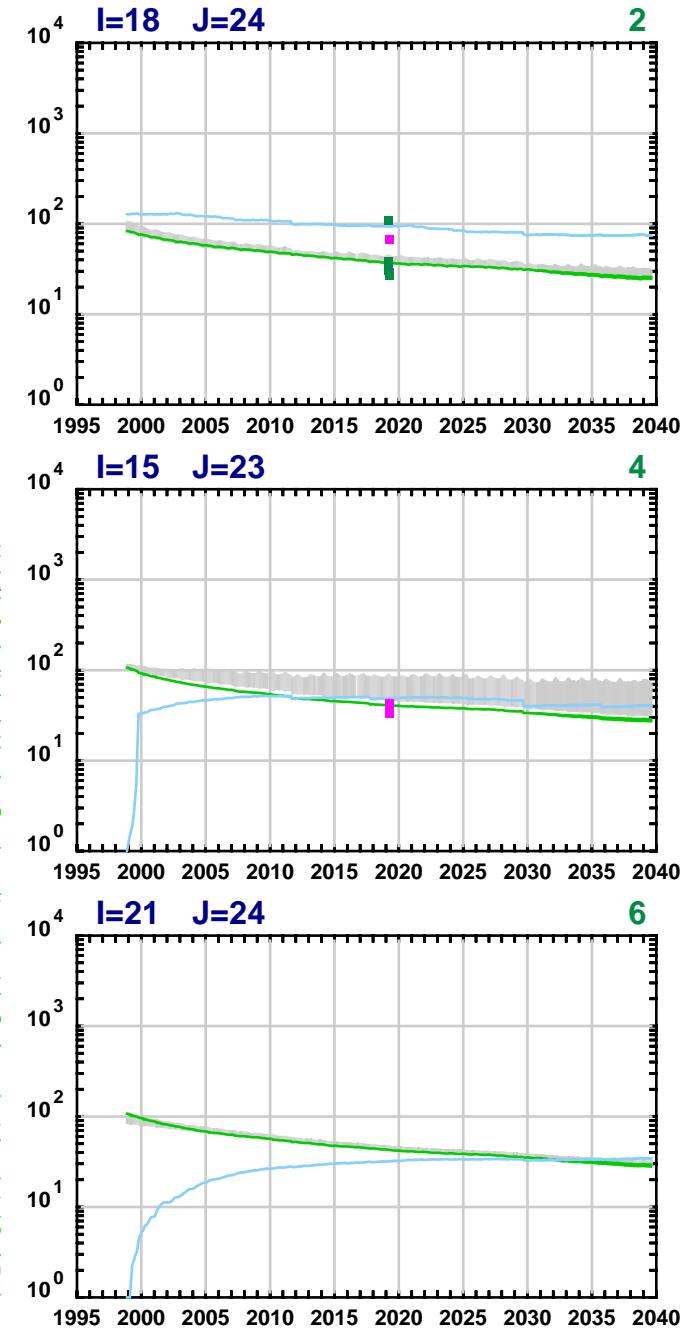
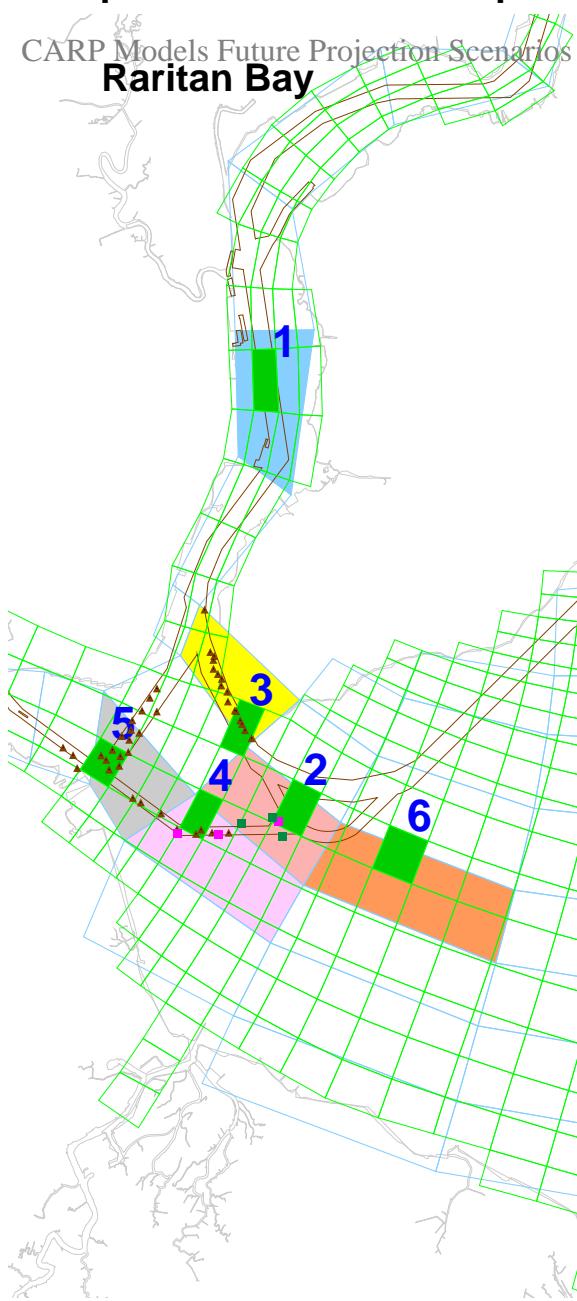
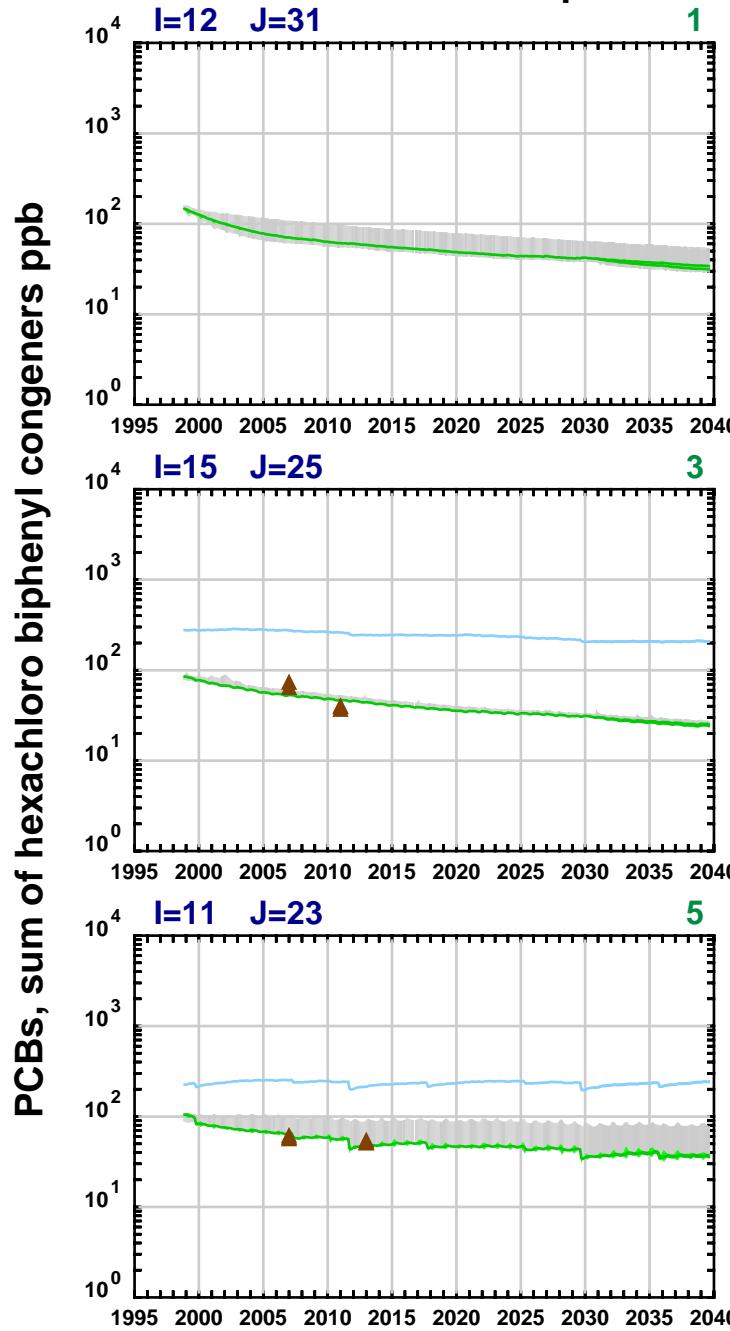
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

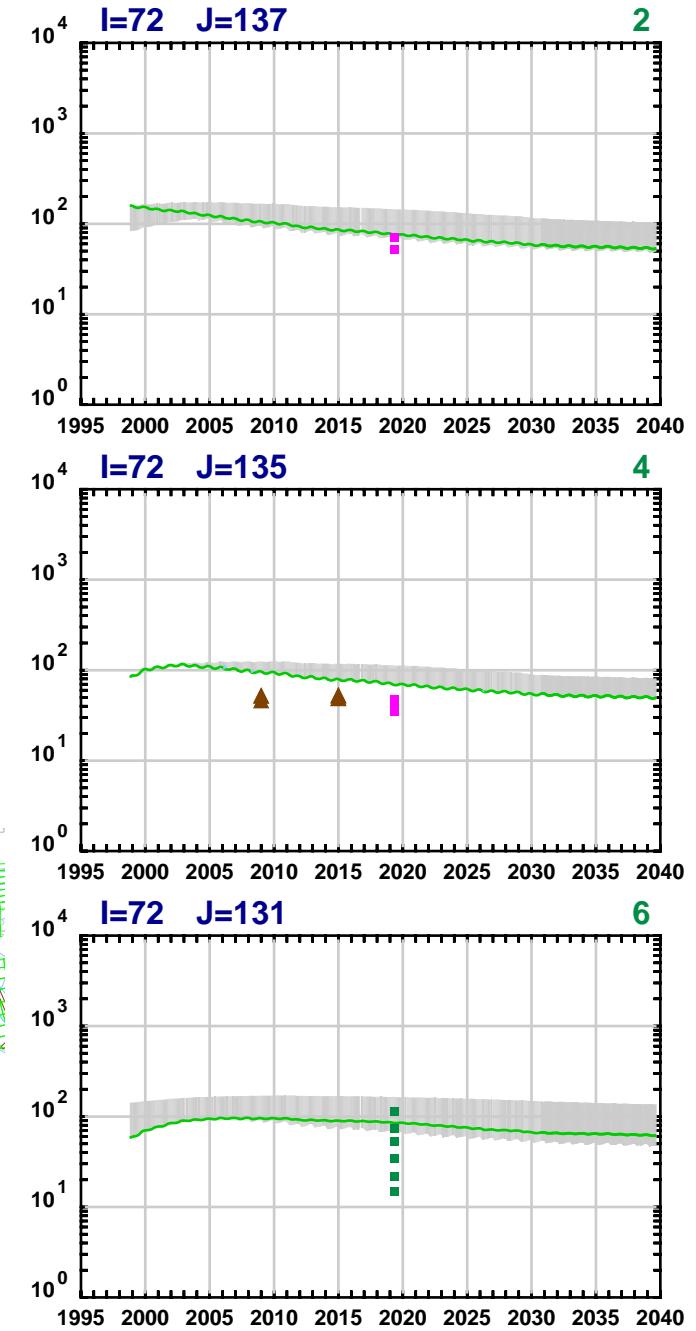
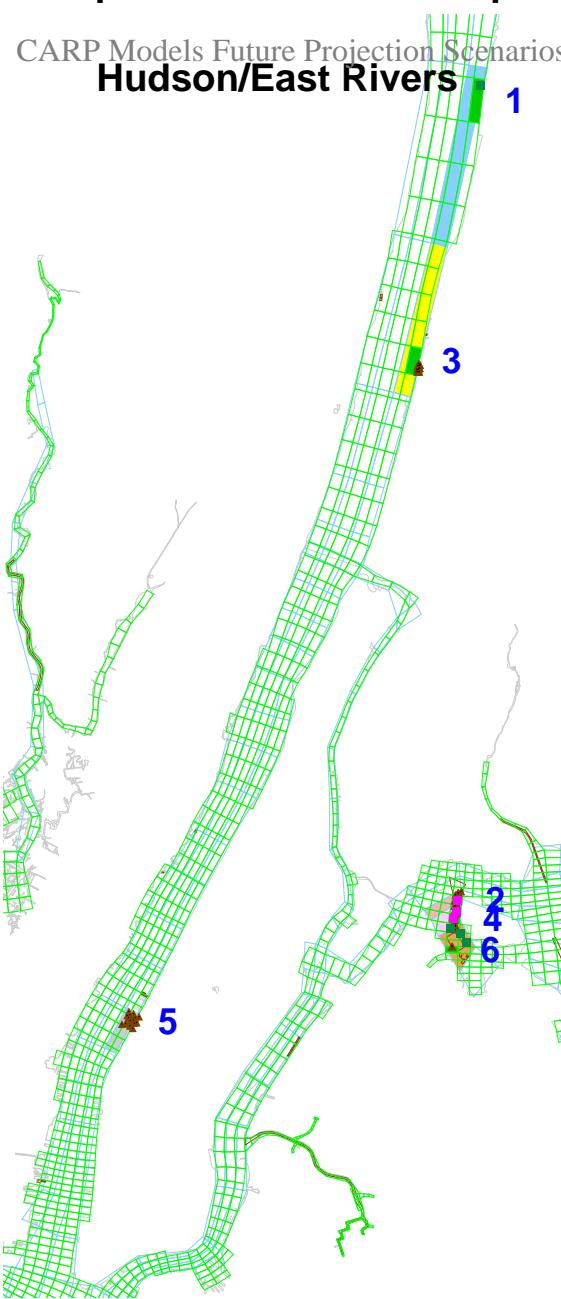
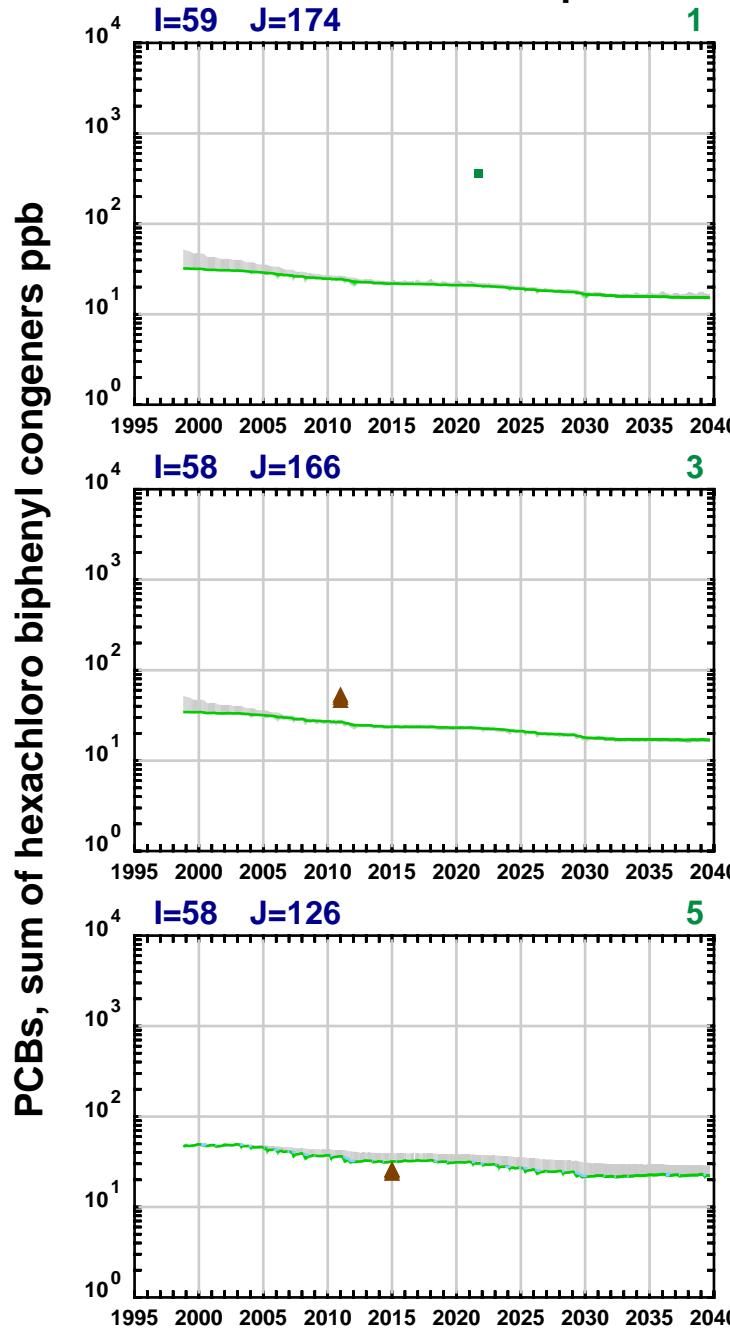
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

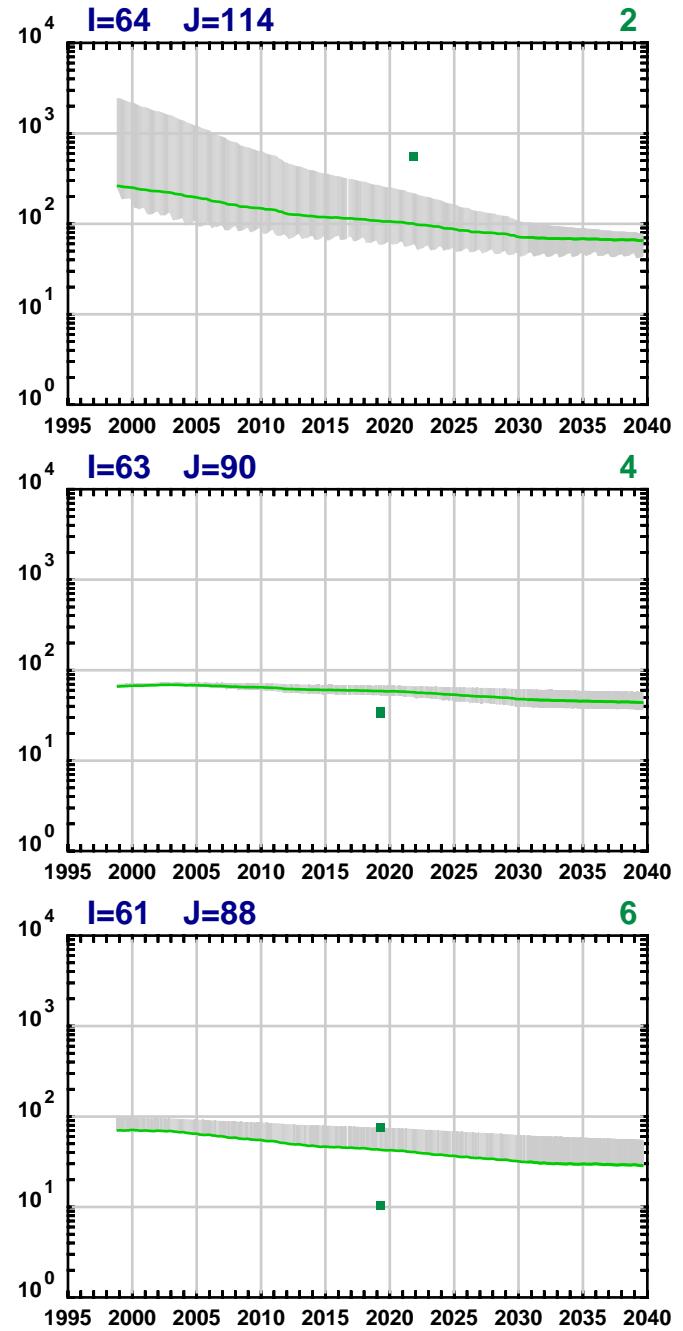
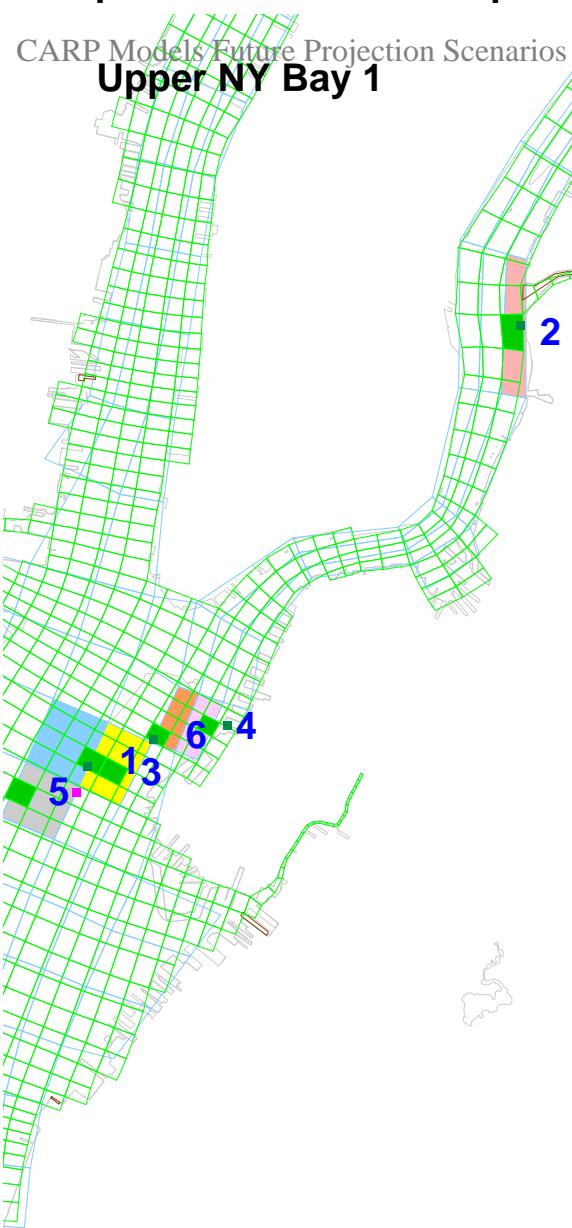
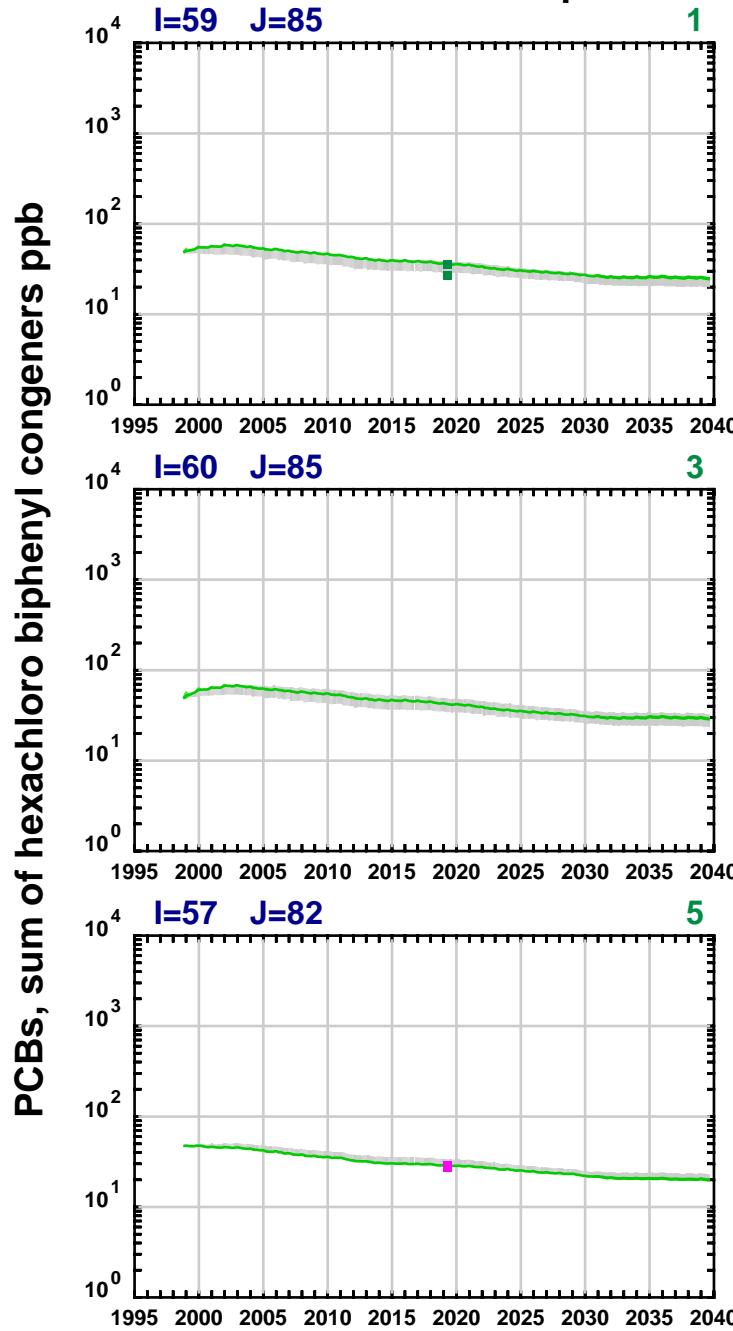
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

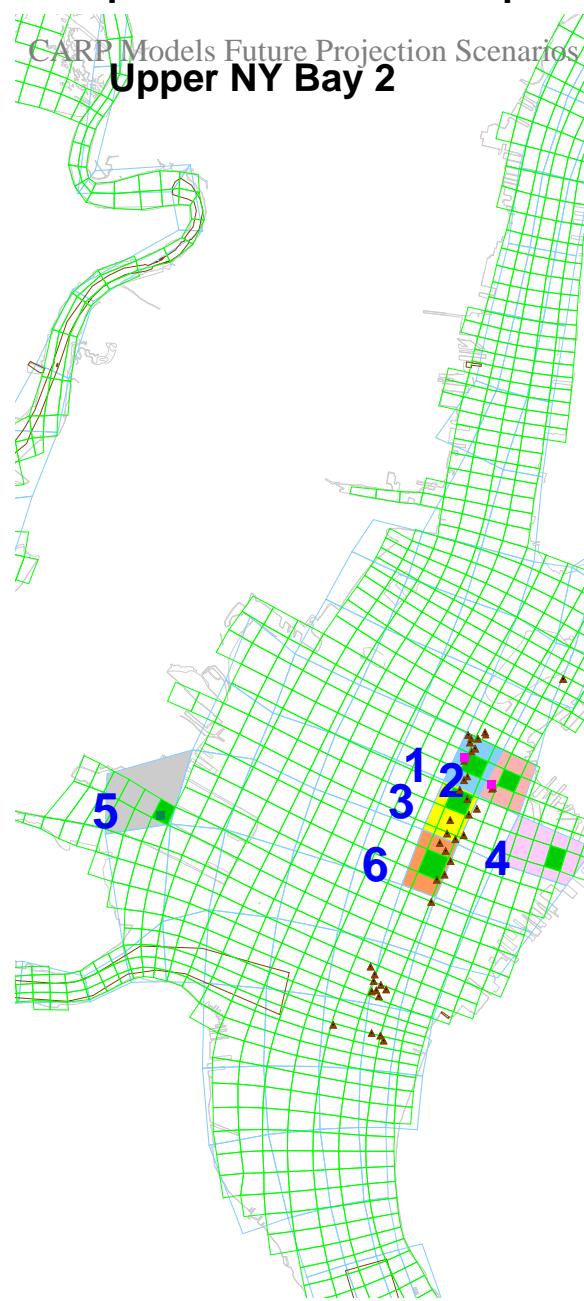
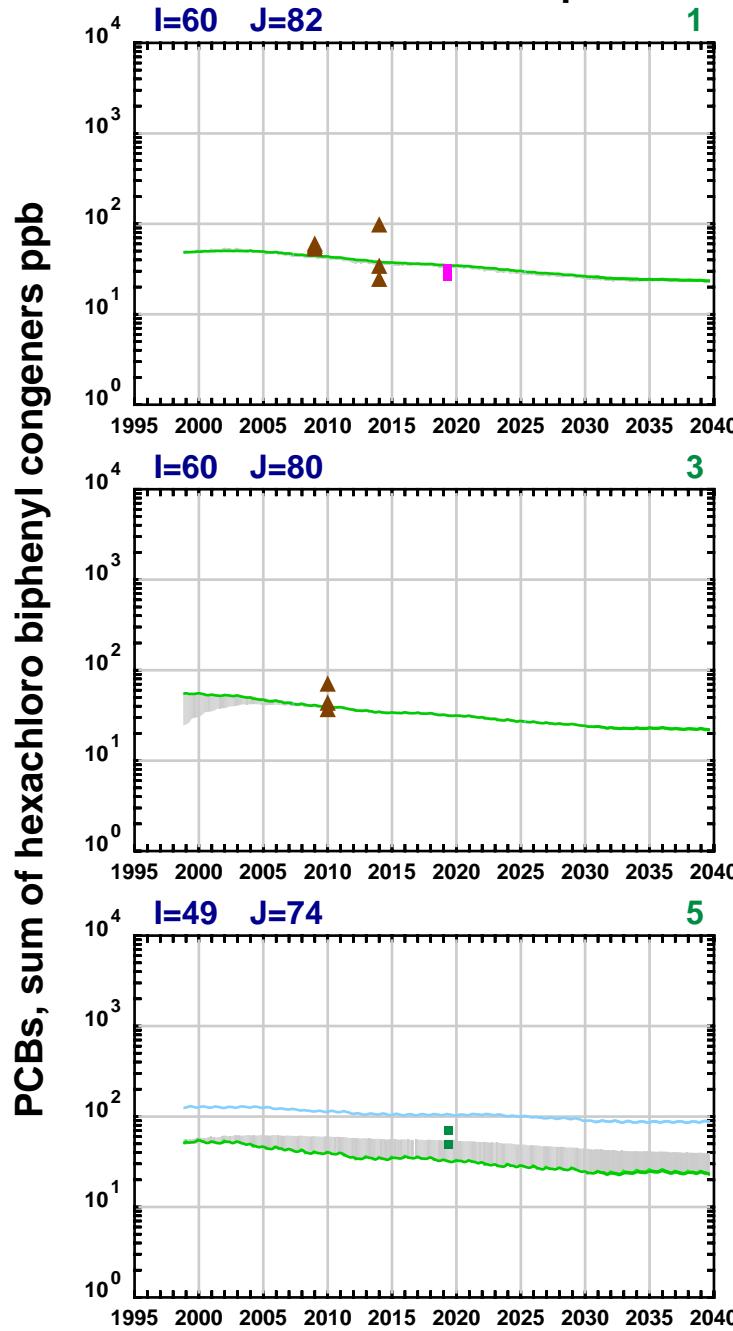
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

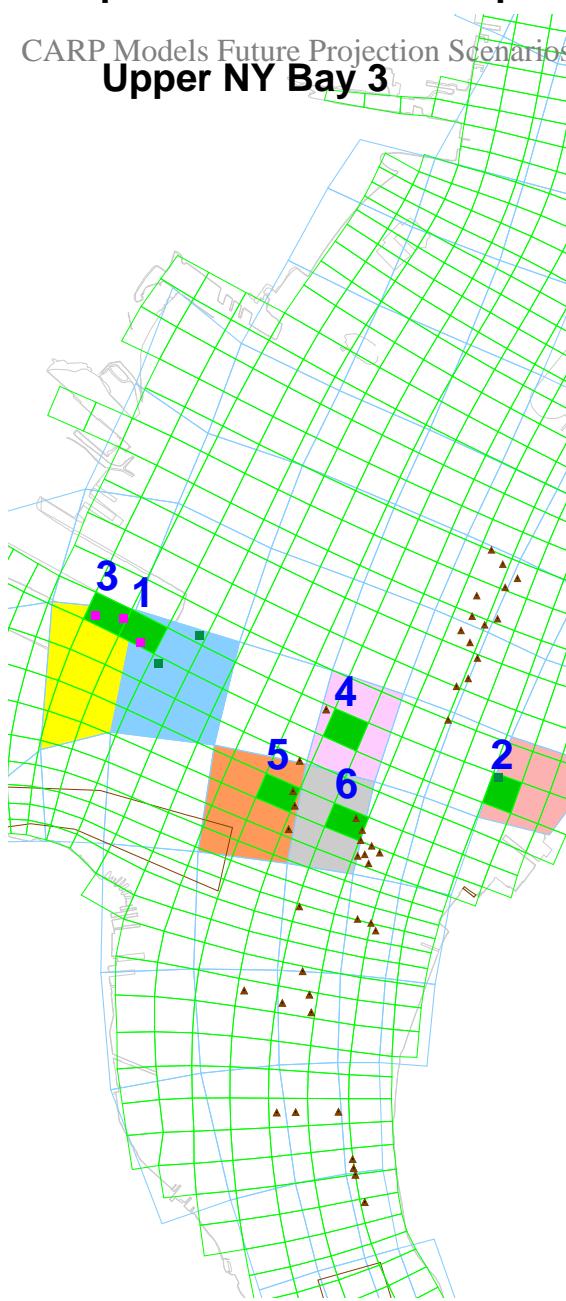
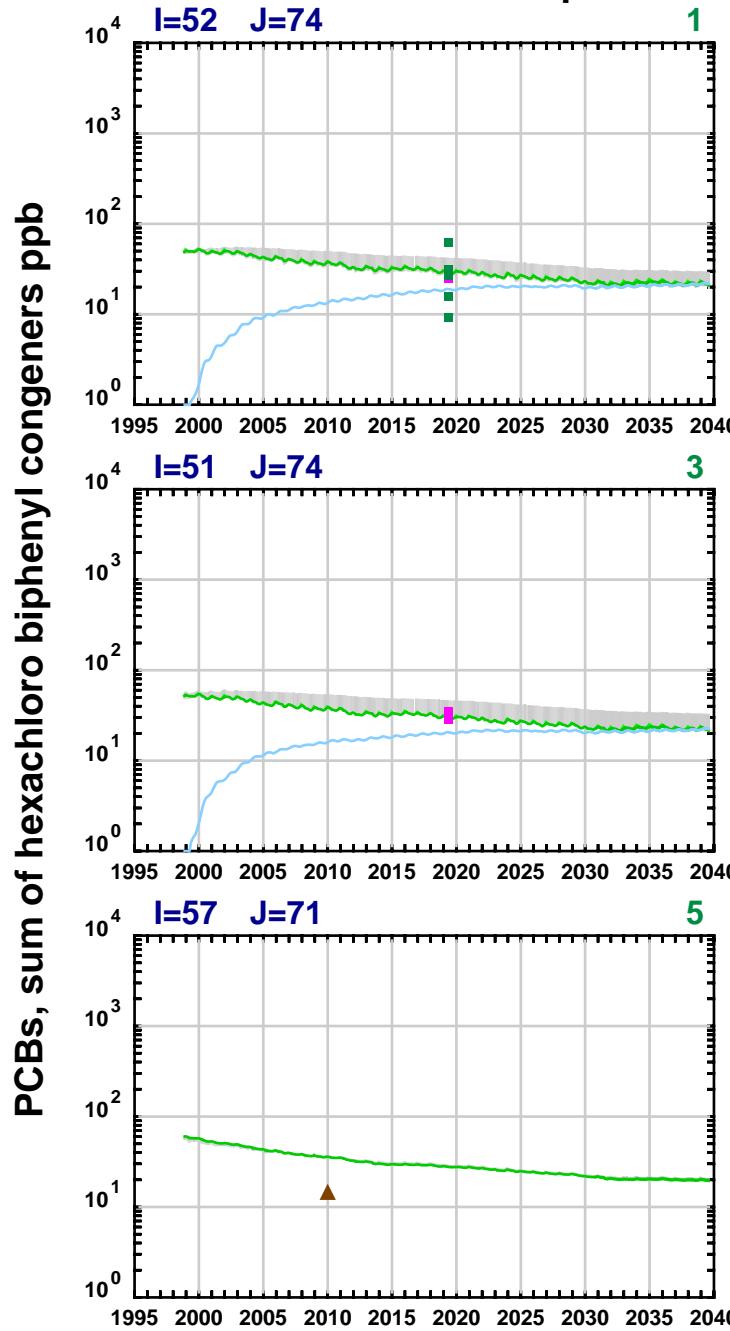
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

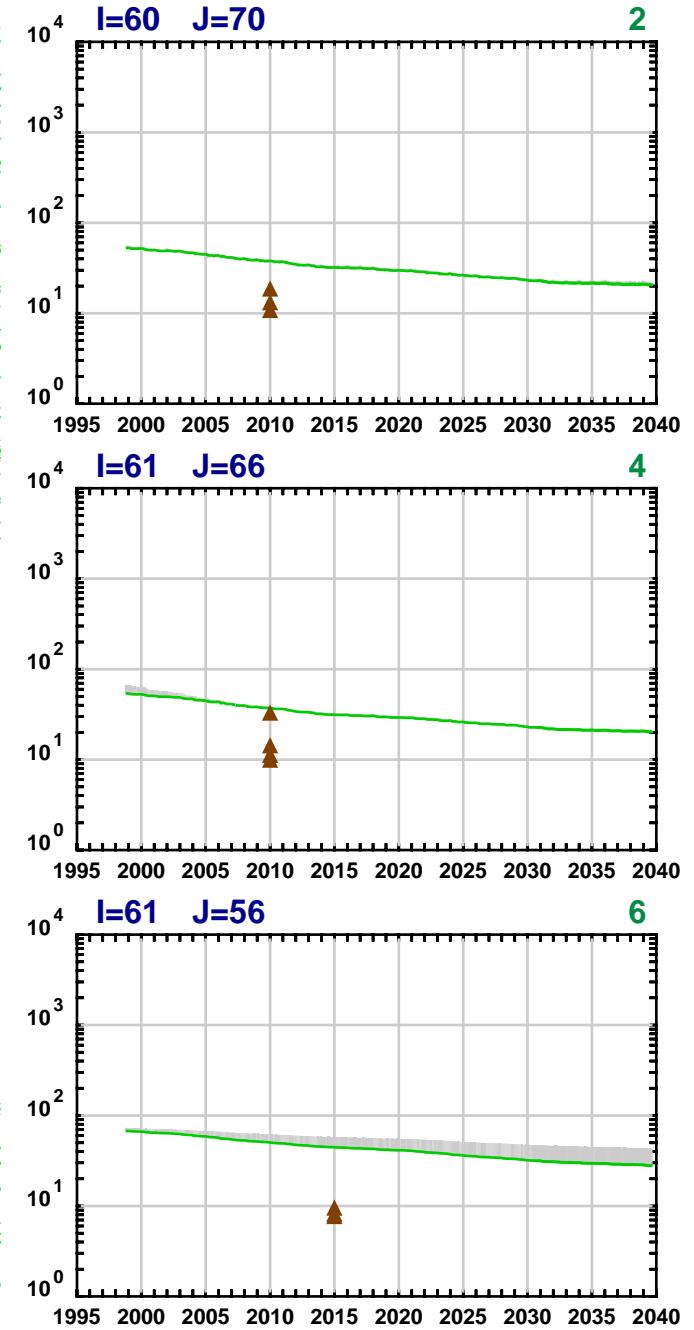
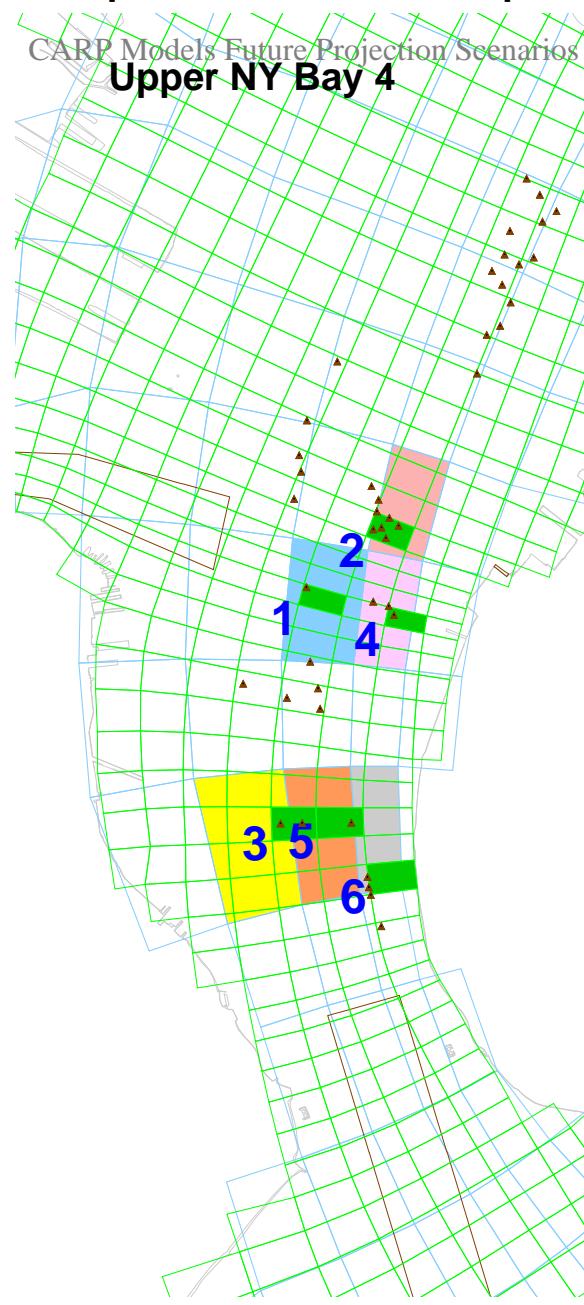
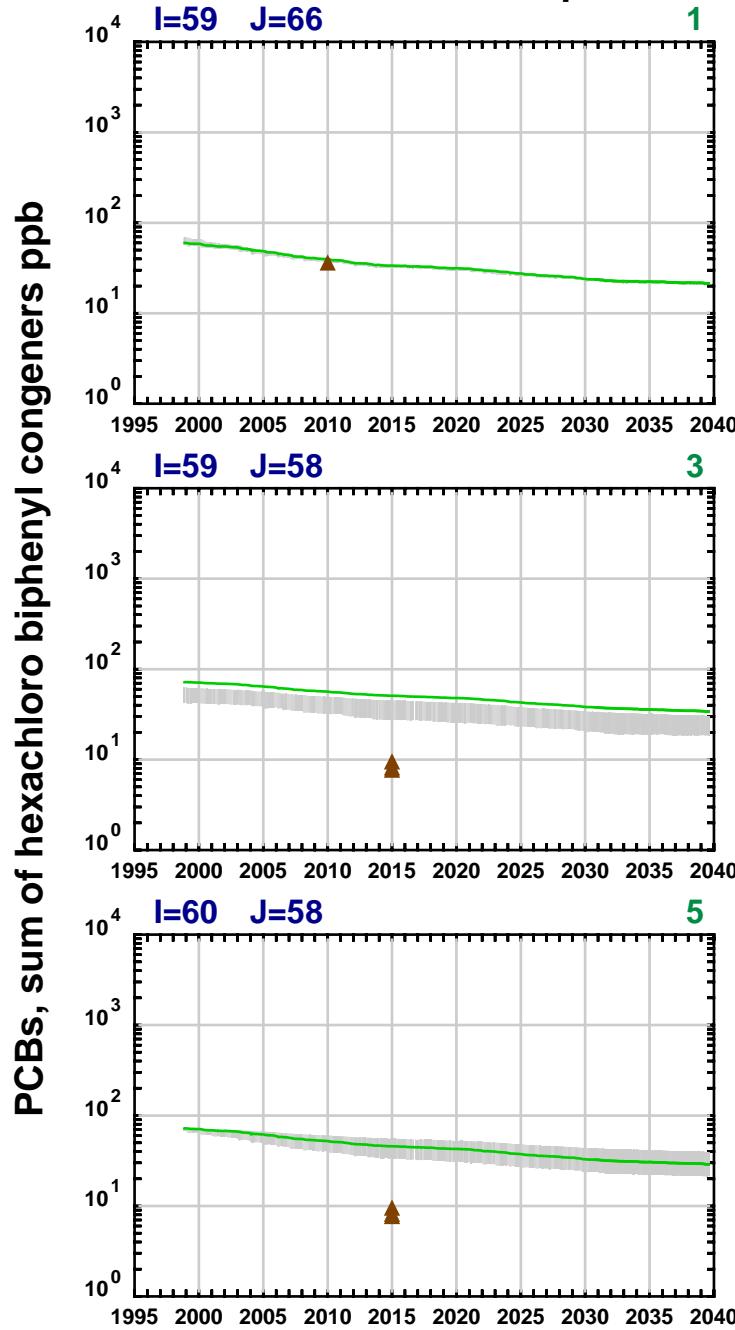
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

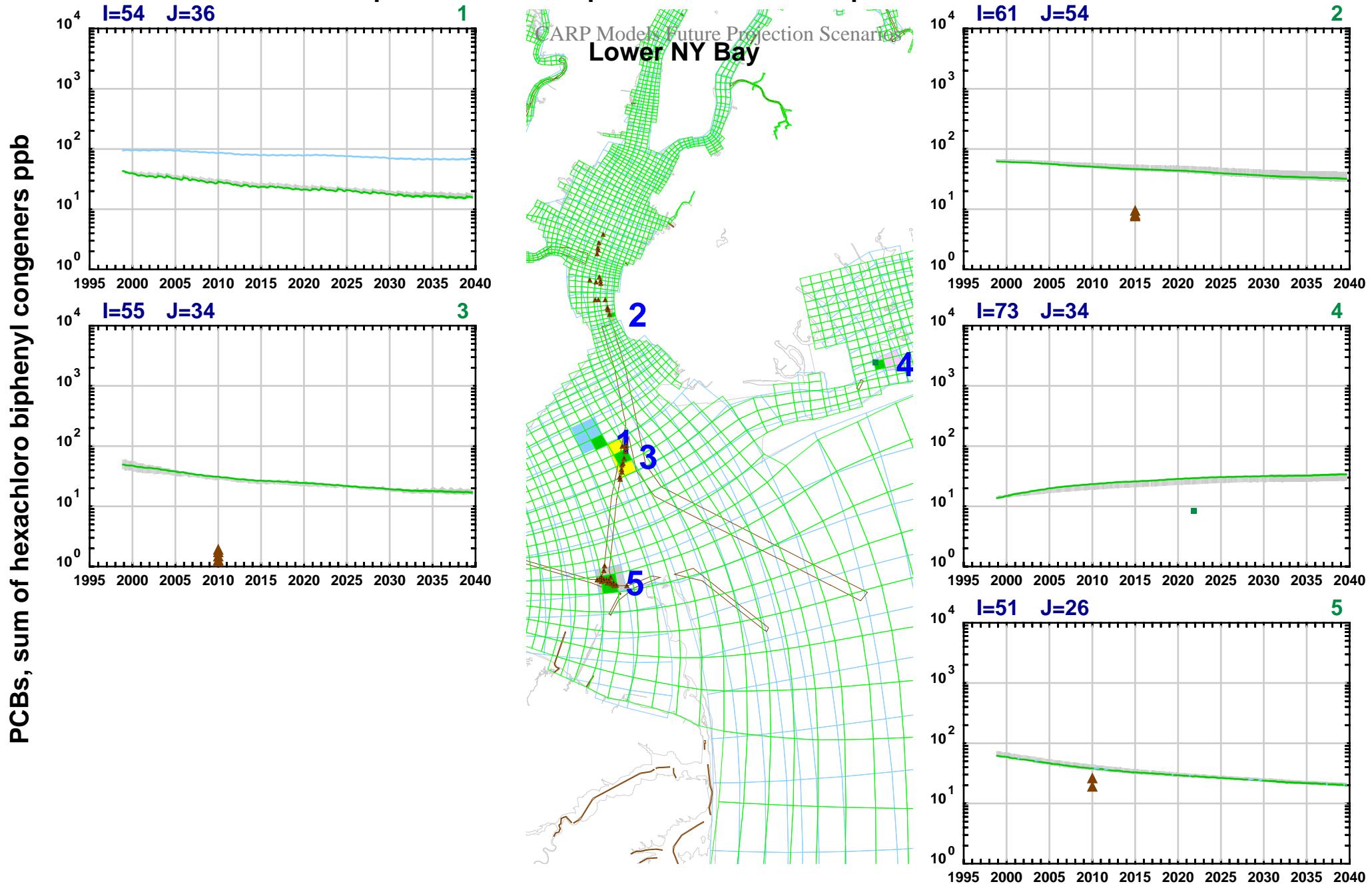
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

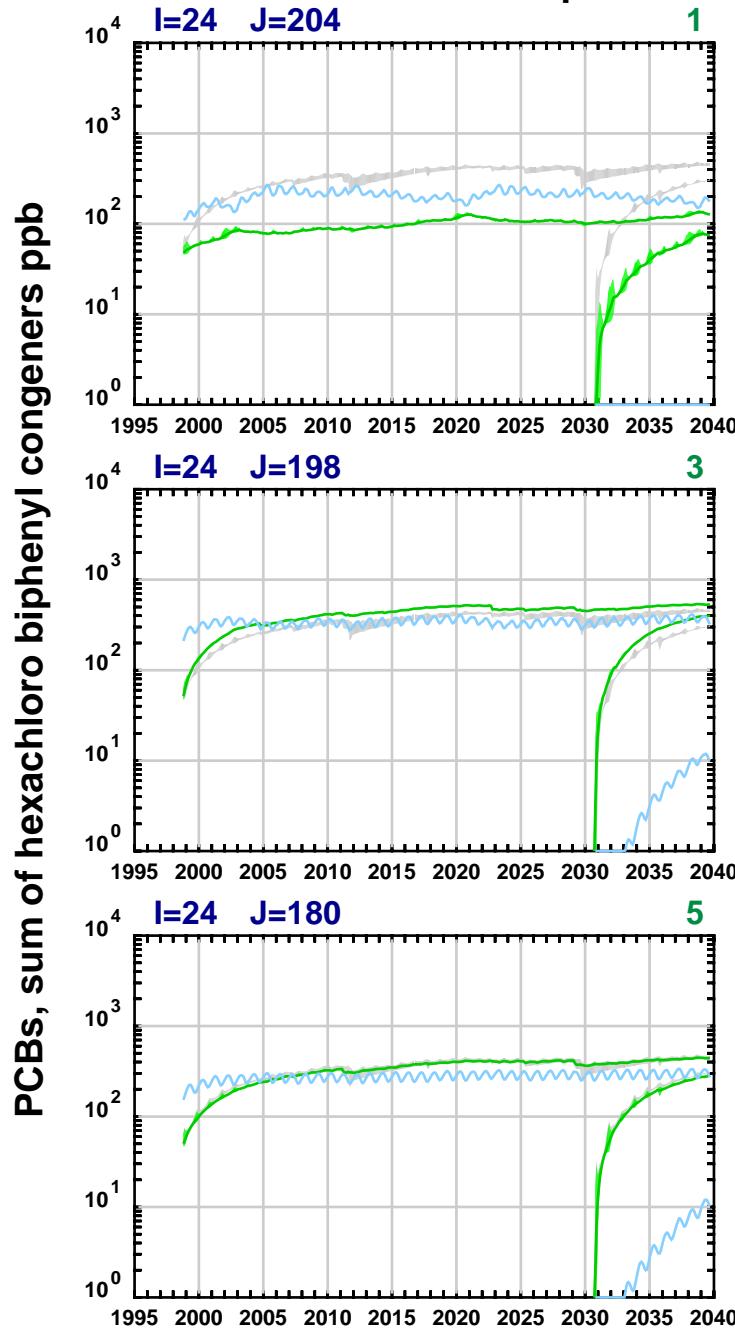
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

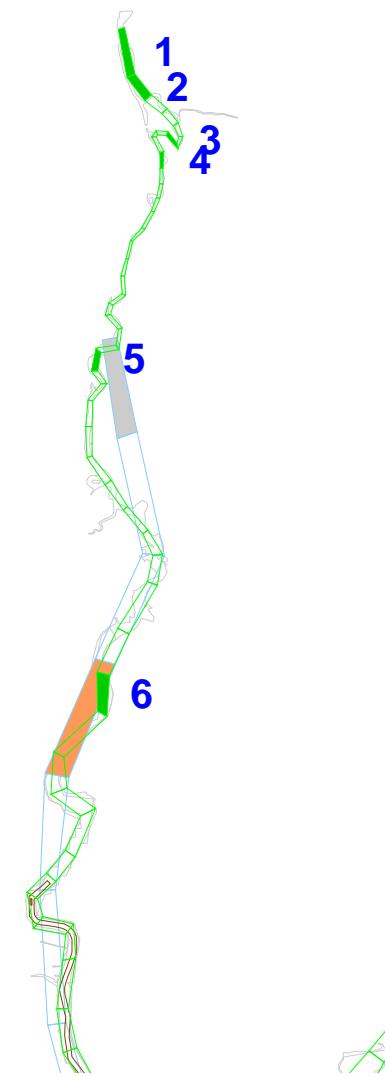
Appendix 1 Page 102 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

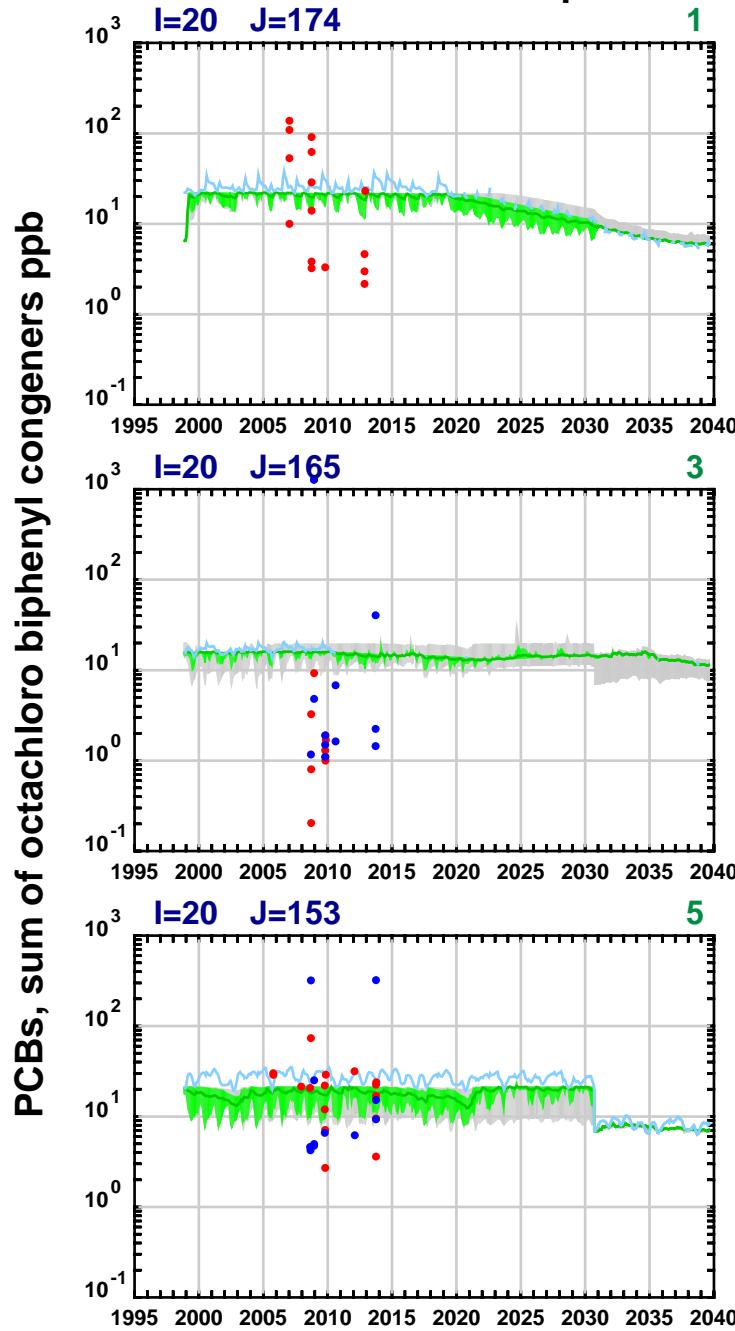
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

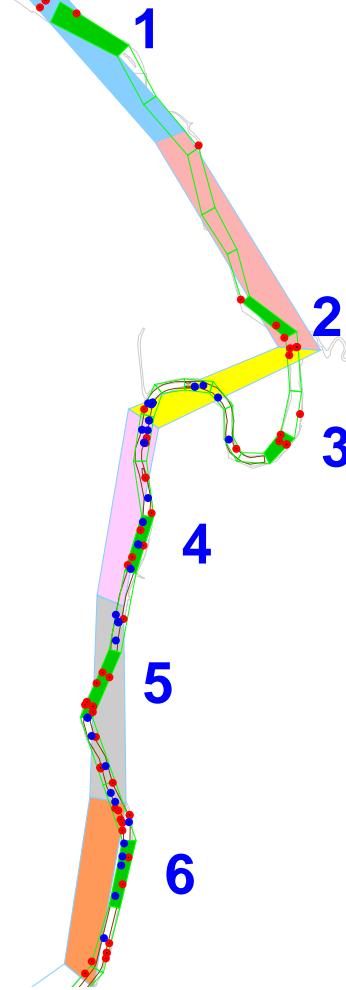
Appendix 1 Page 103 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

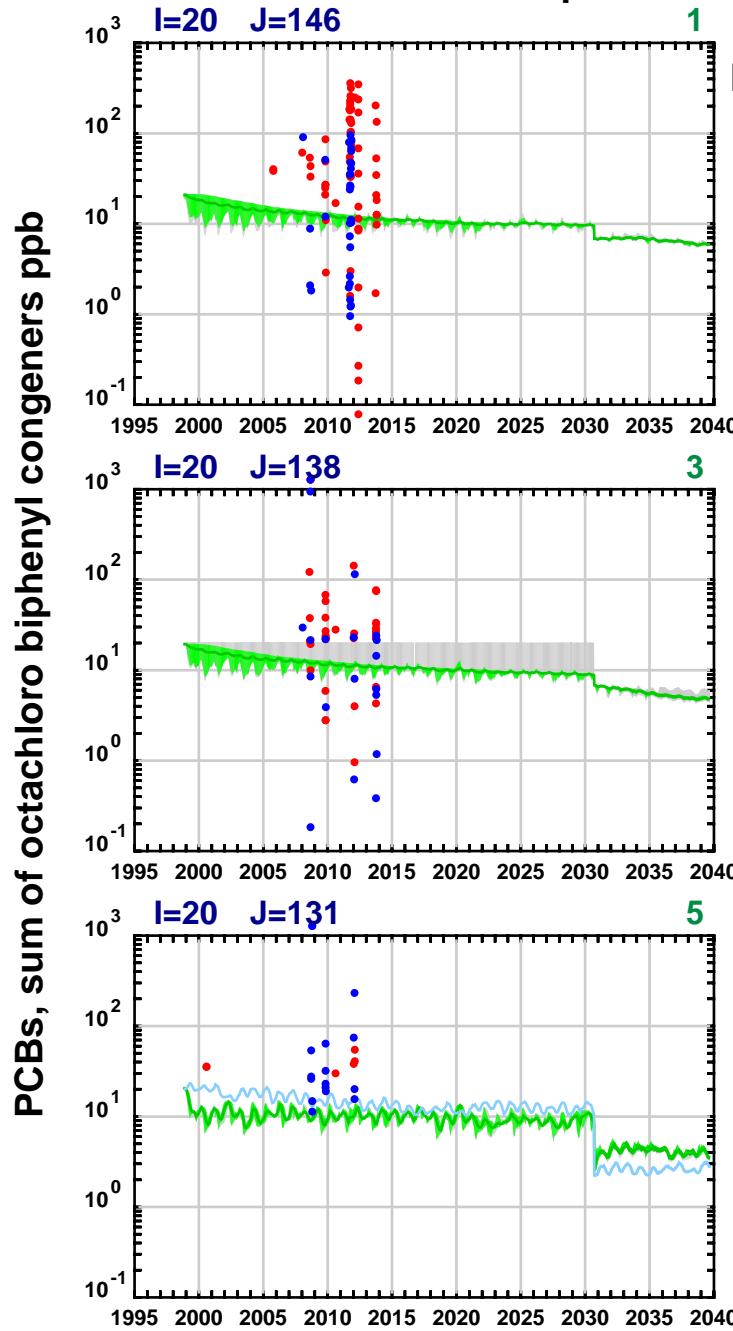
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

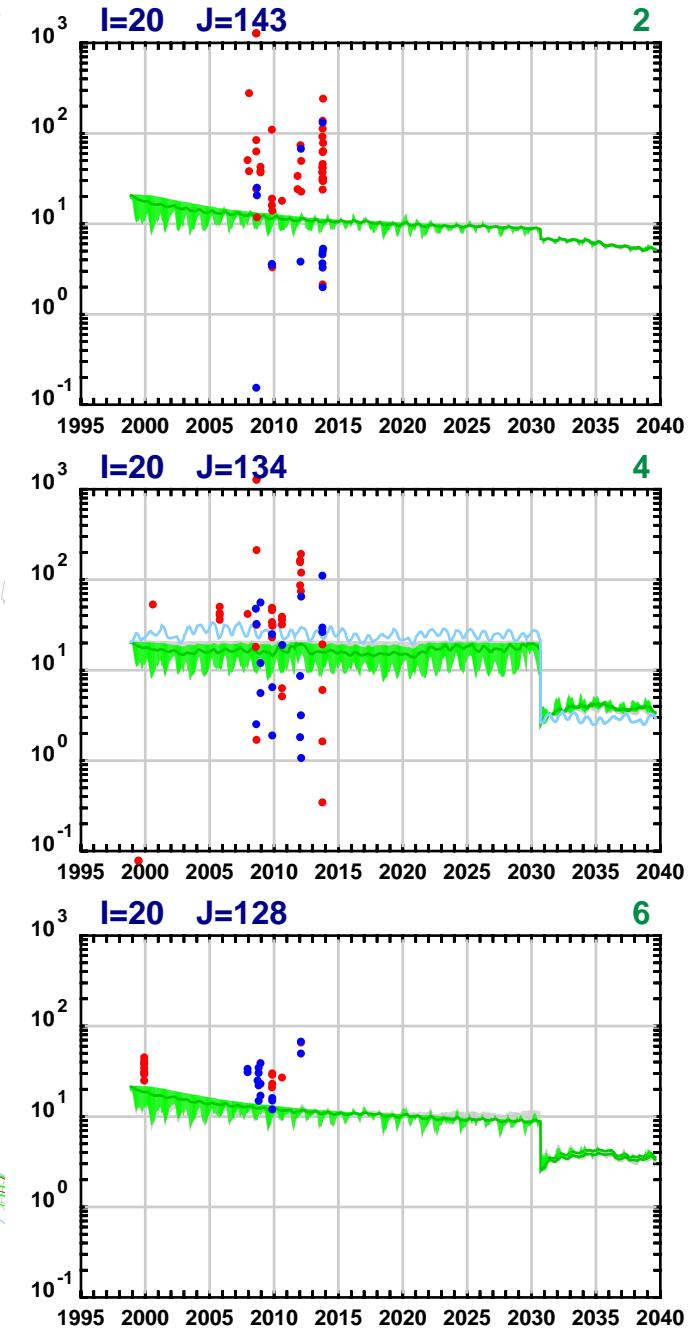
Appendix 1 Page 104 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - II



RUN18_PROJ01_PROJ02_R1

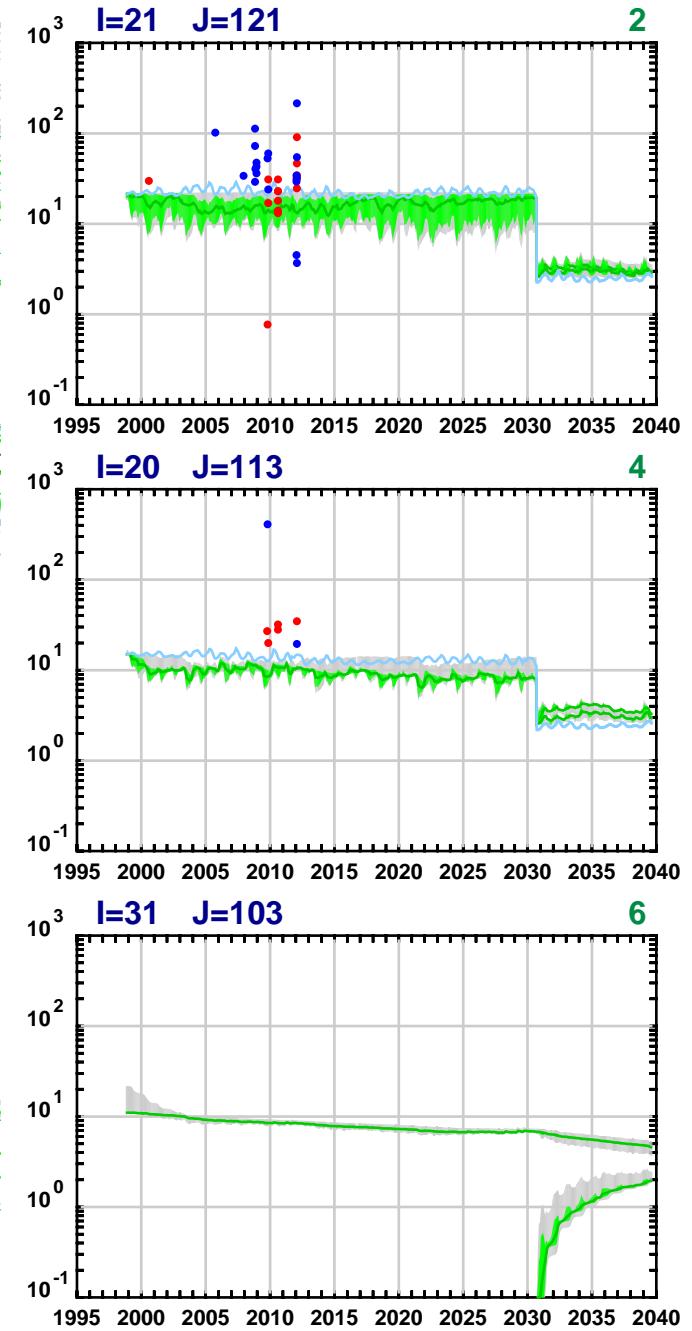
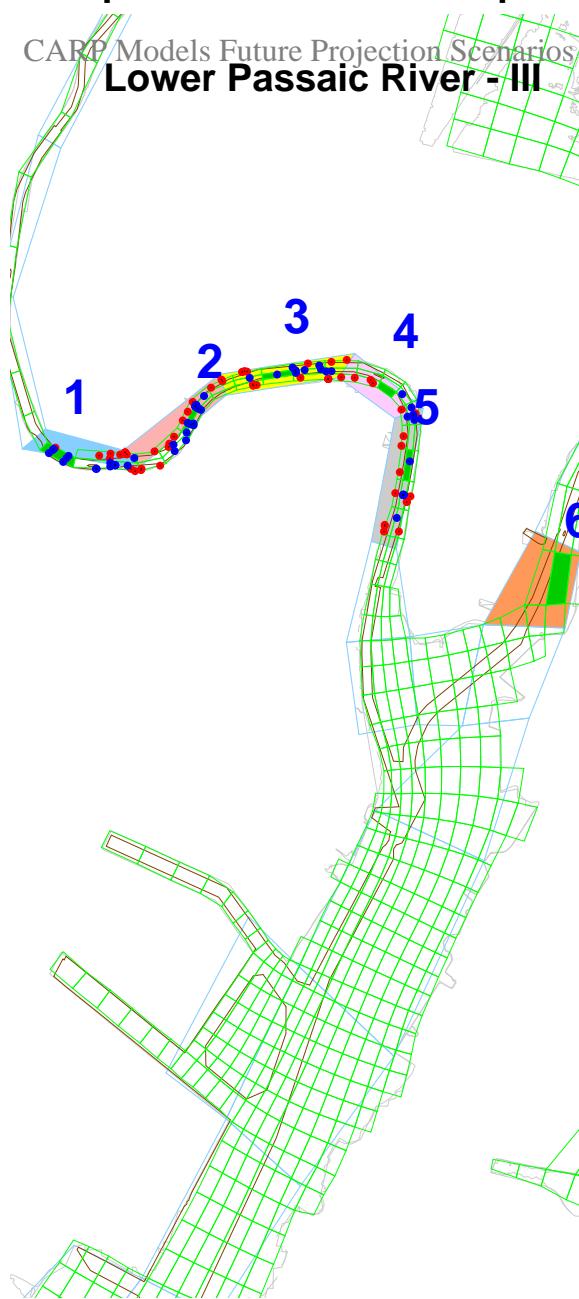
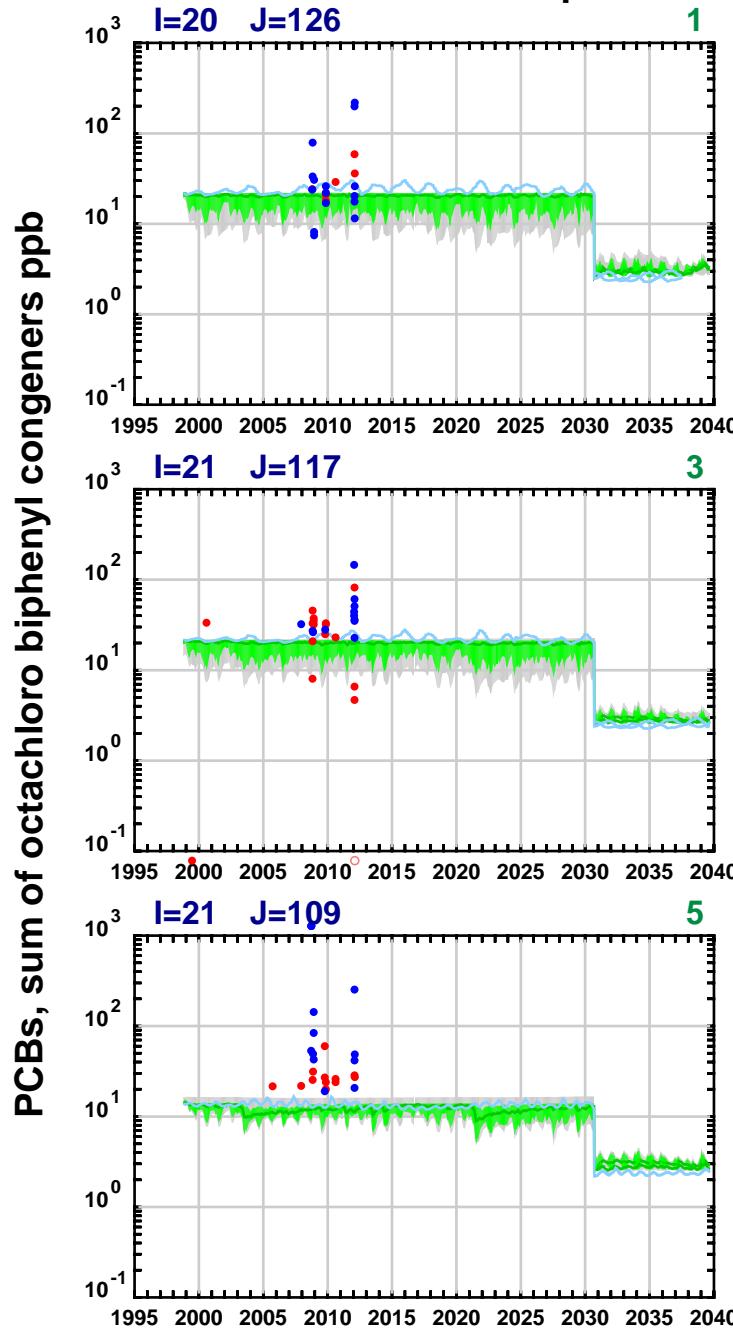
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

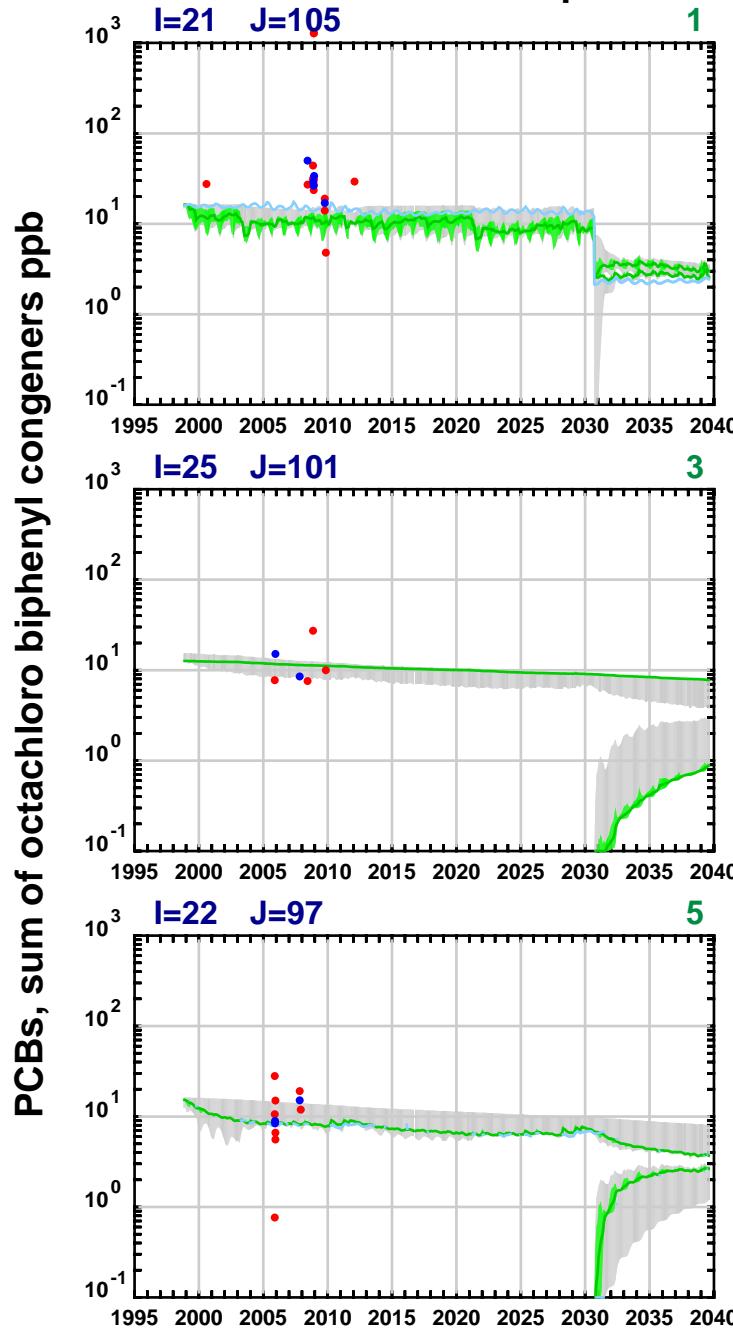
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

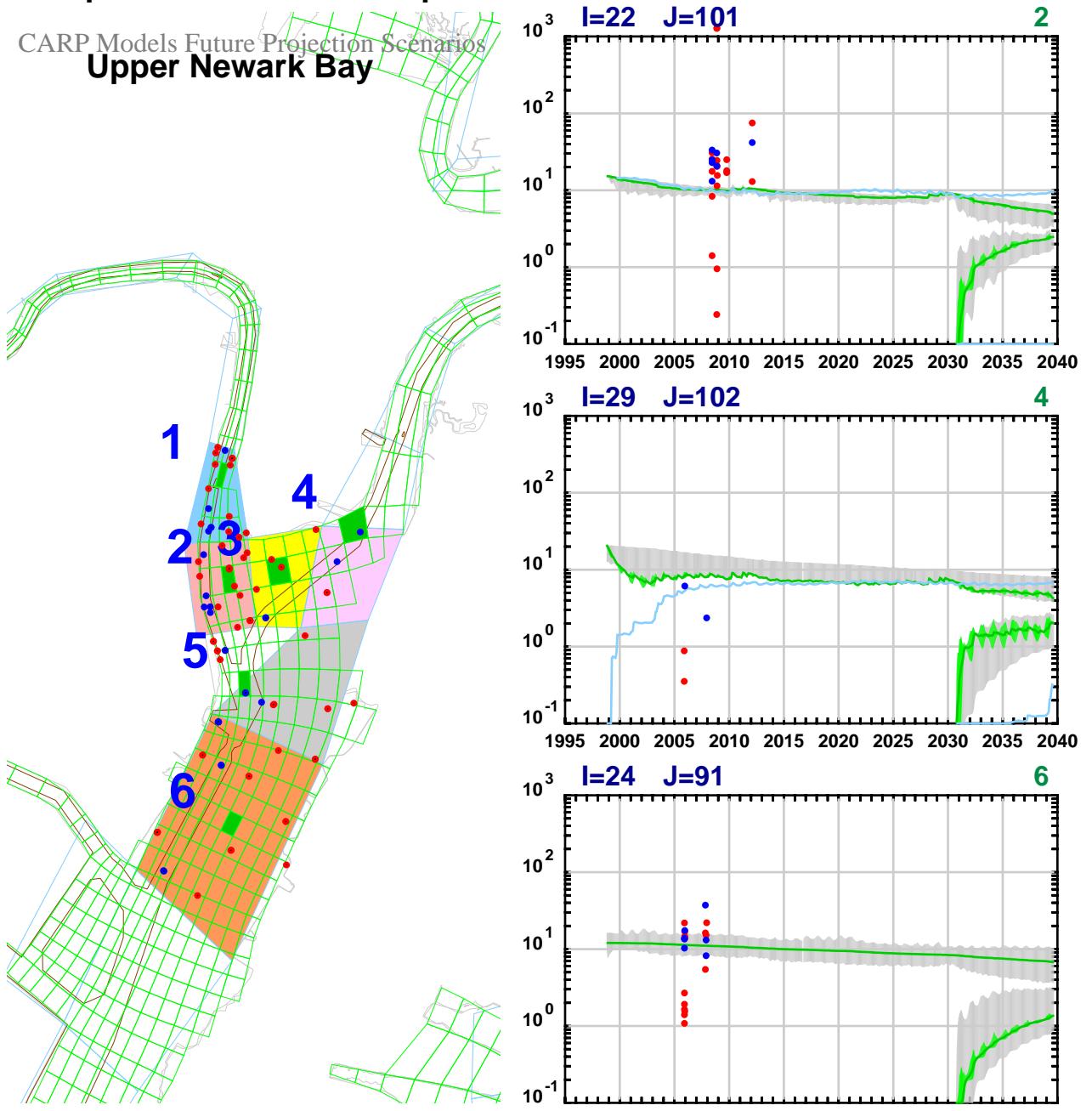
Appendix 1 Page 106 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

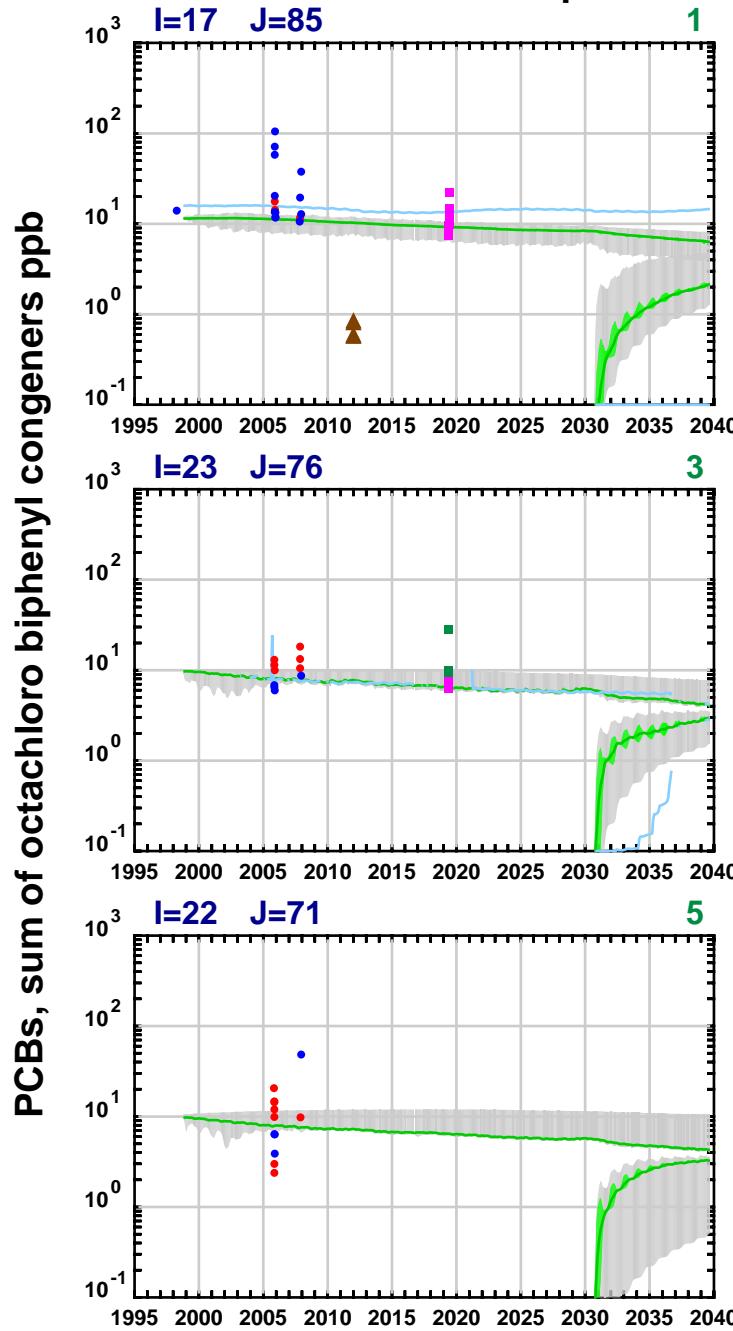
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

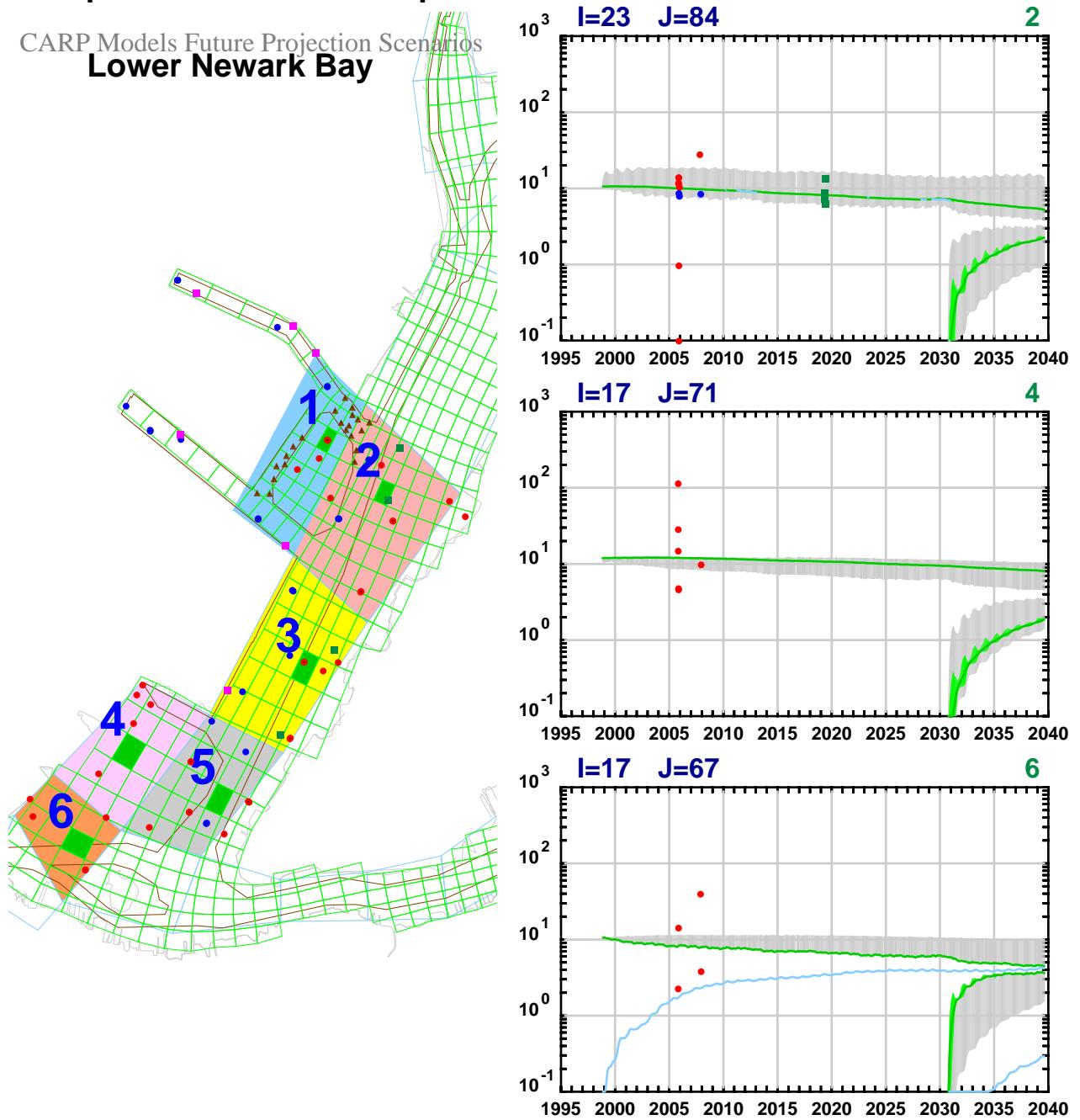
Appendix 1 Page 107 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

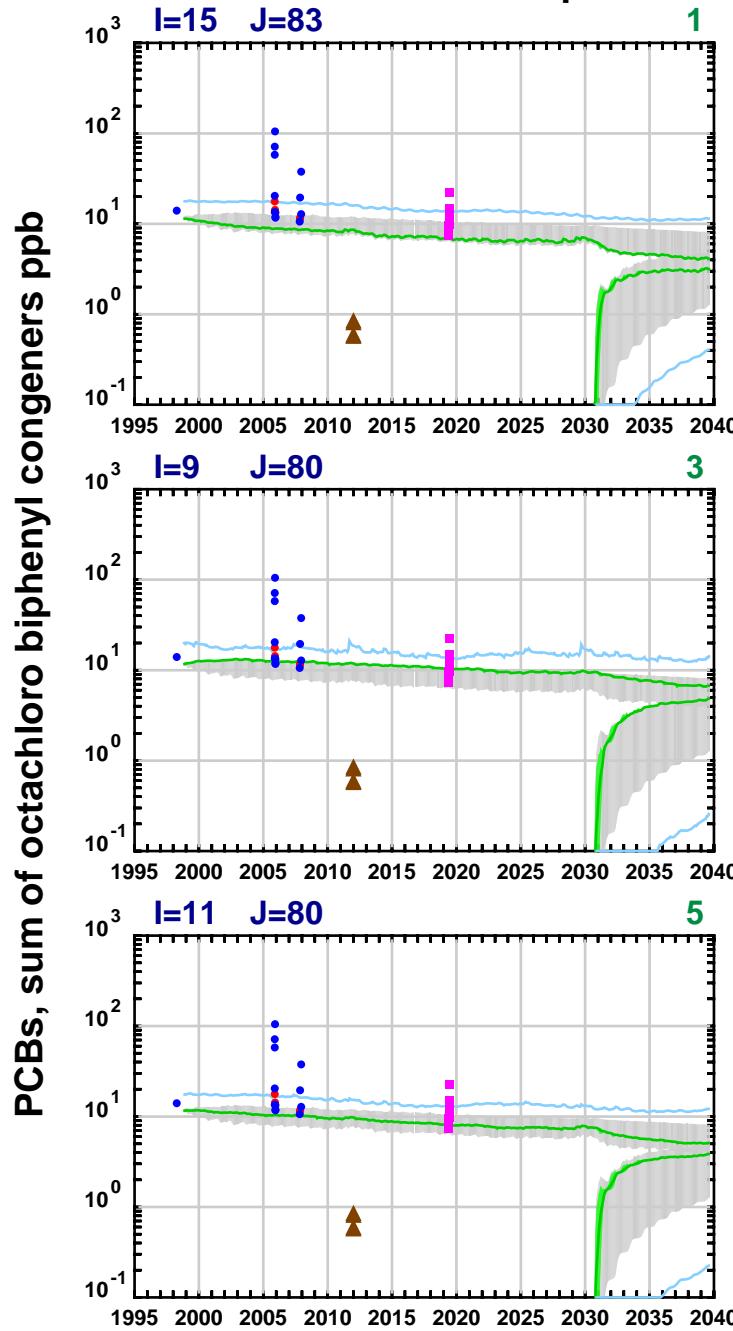
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

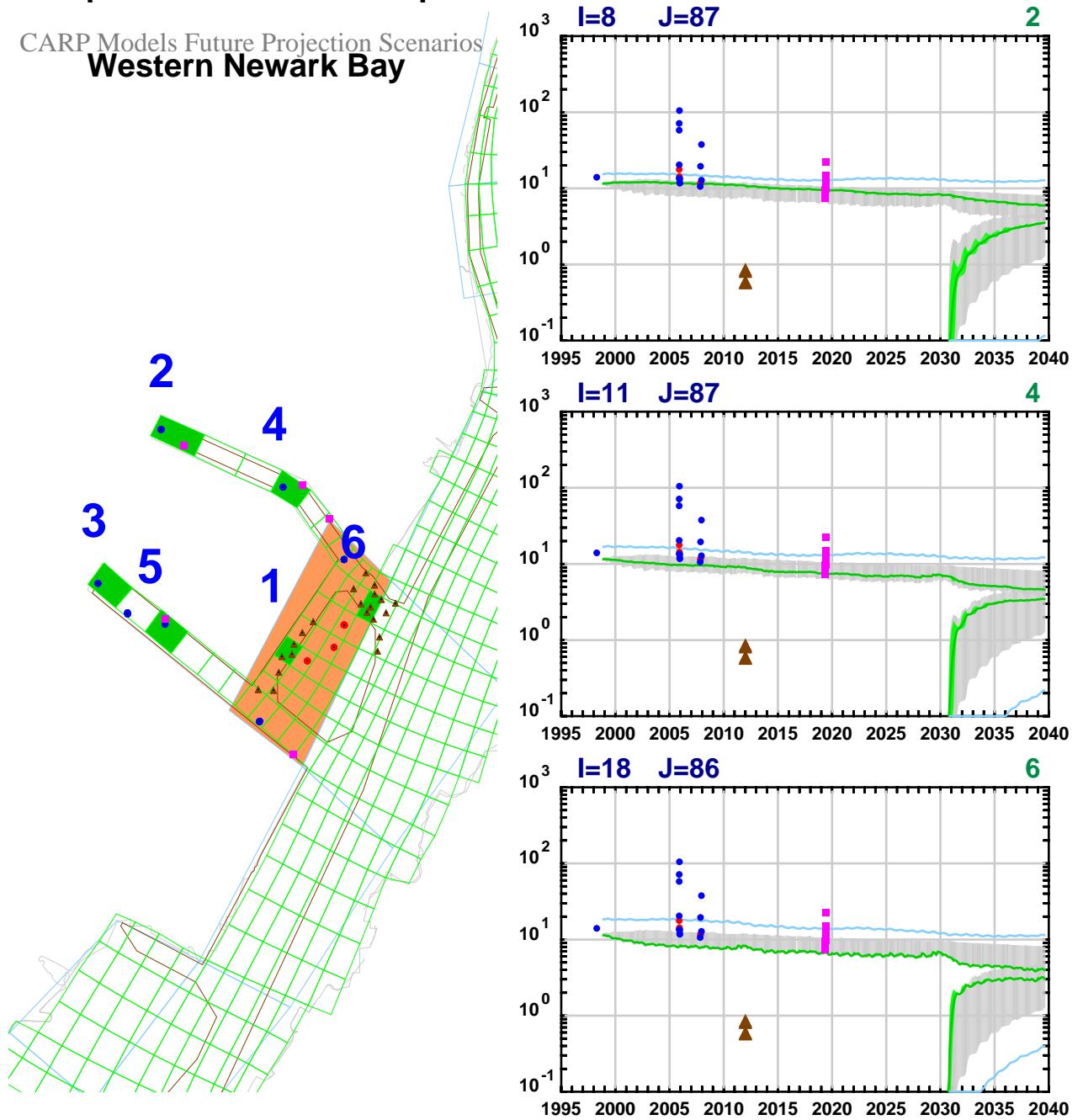
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In-channel data	Off-channel data	Dredge data
CARP2 In-channel	CARP2 Off-channel	

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

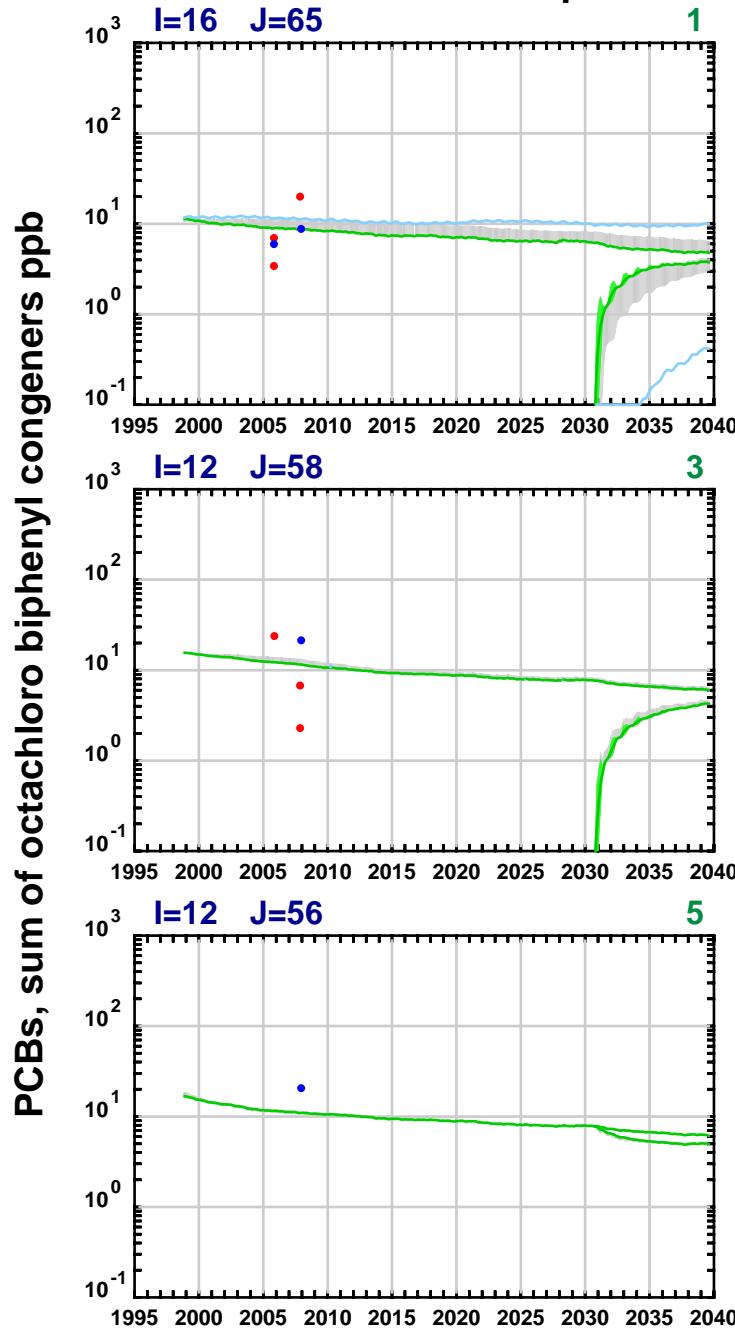
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

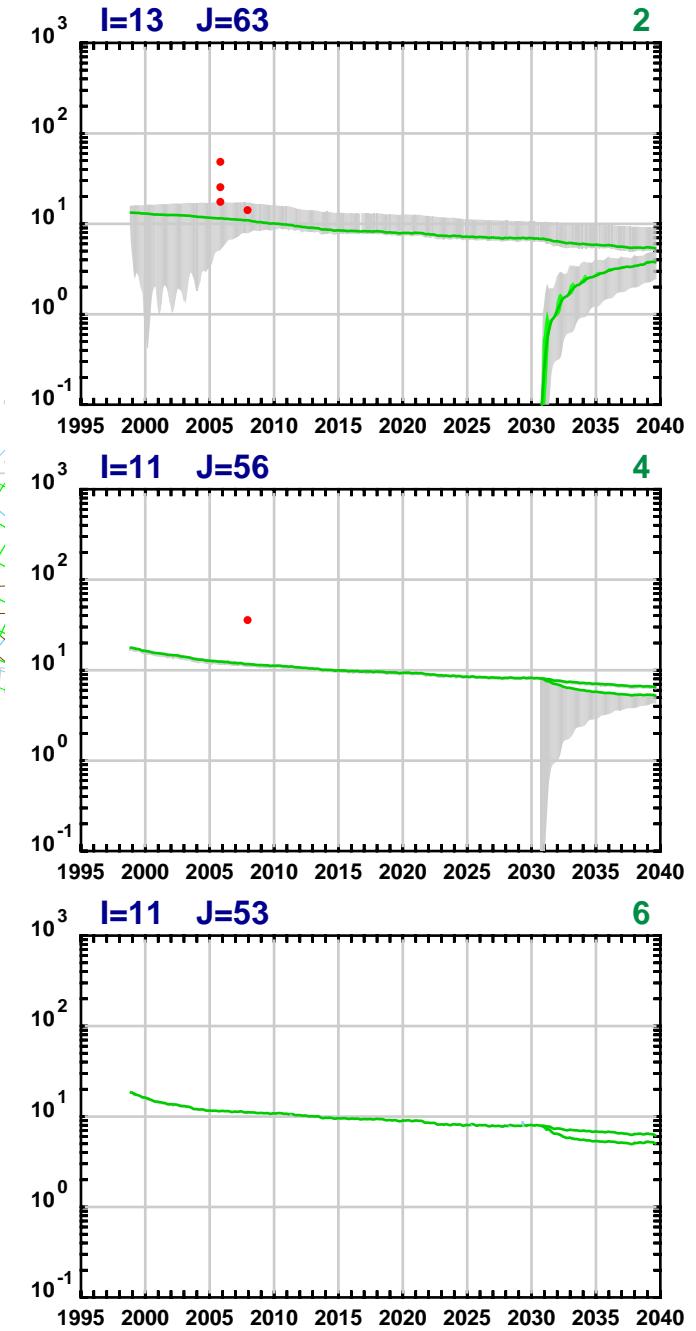
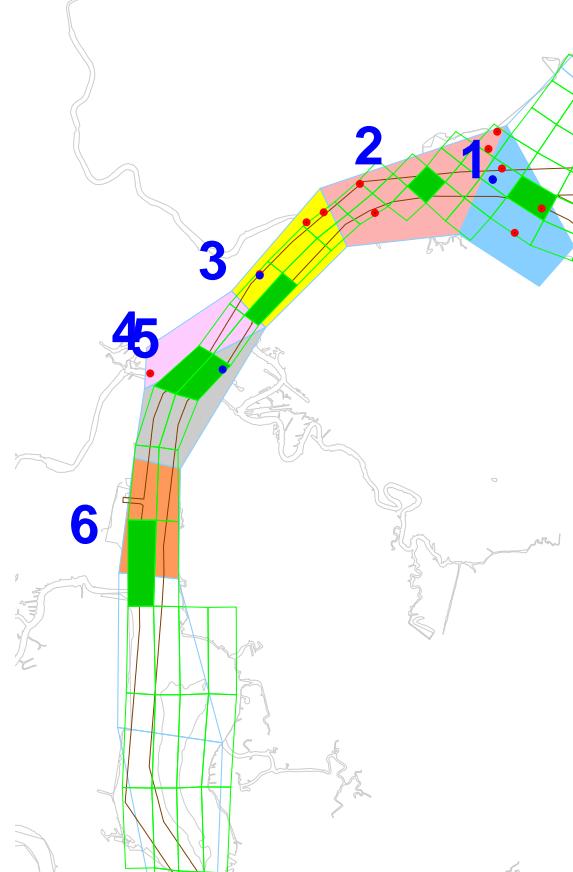
Appendix 1 Page 109 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

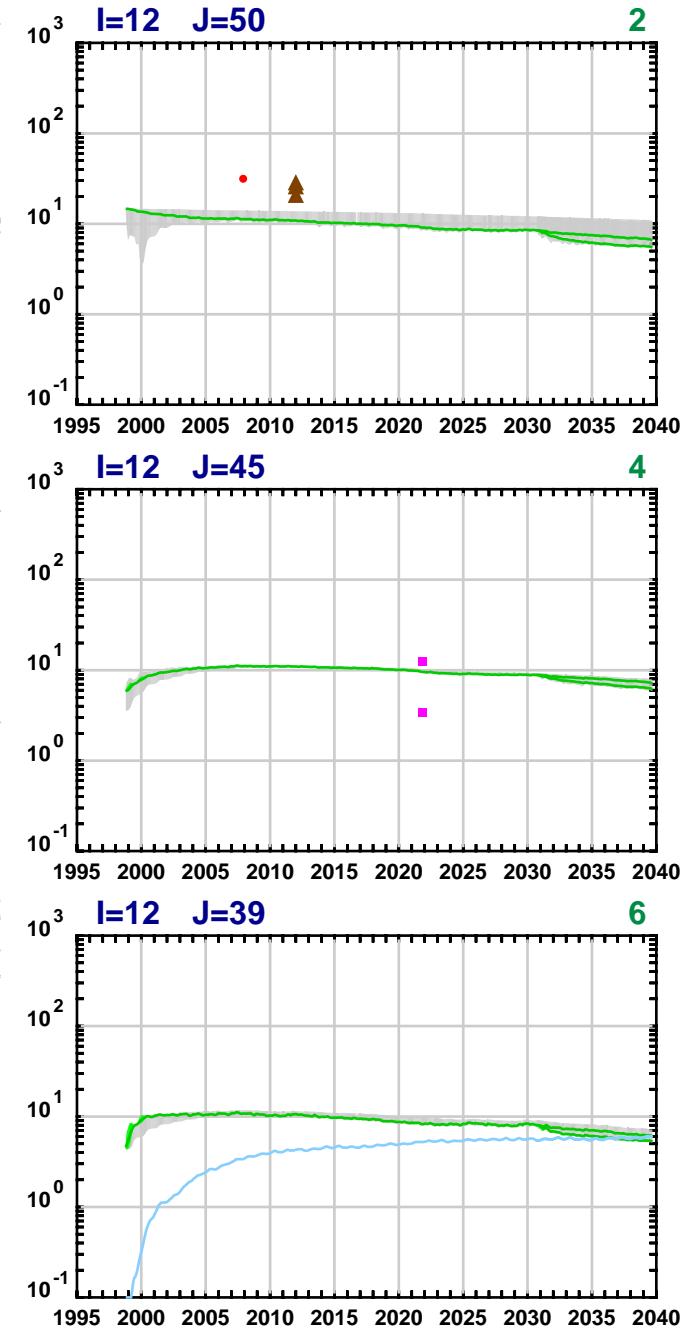
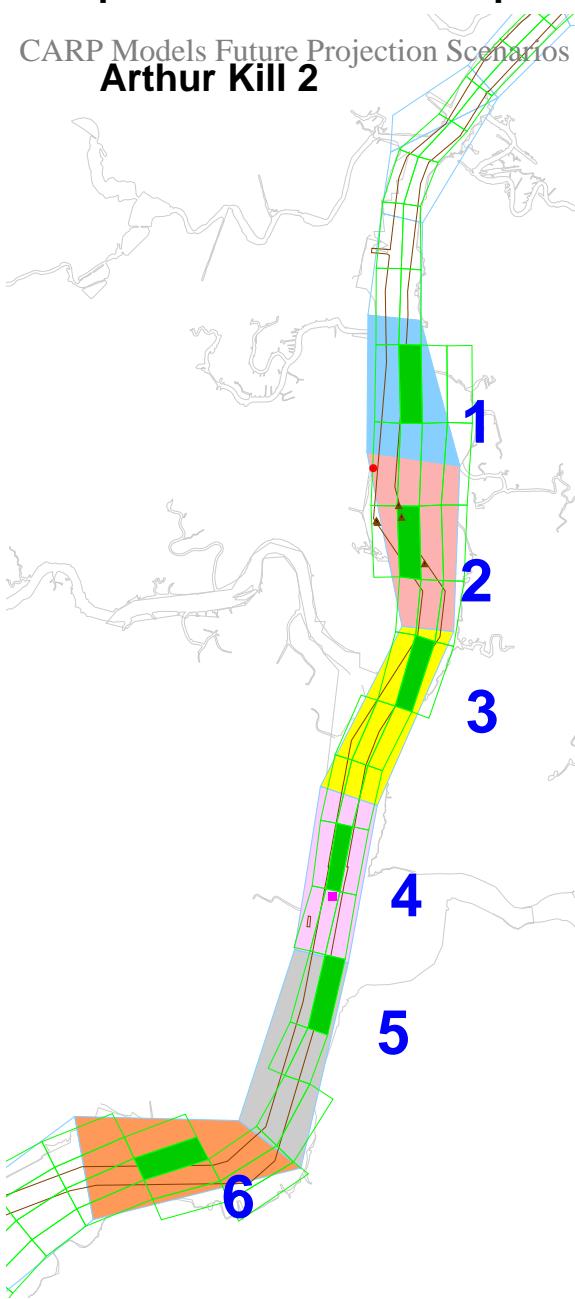
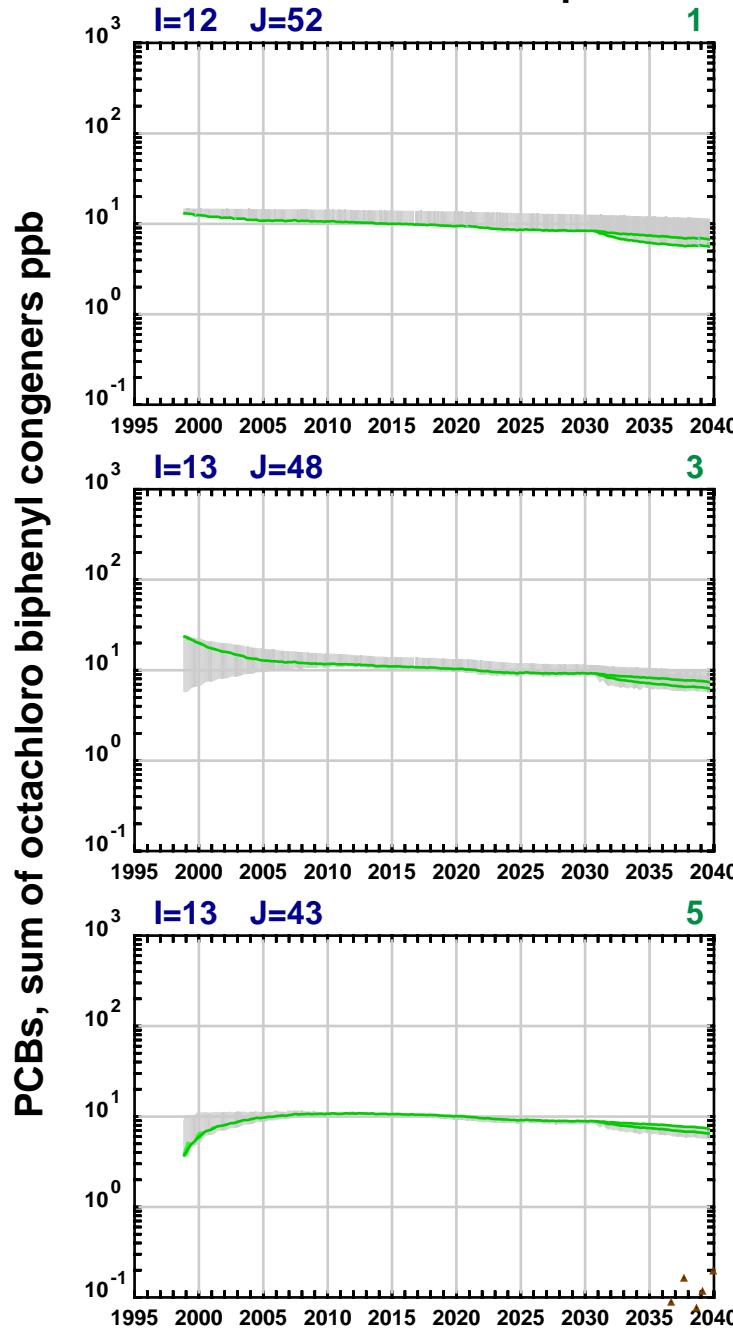
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

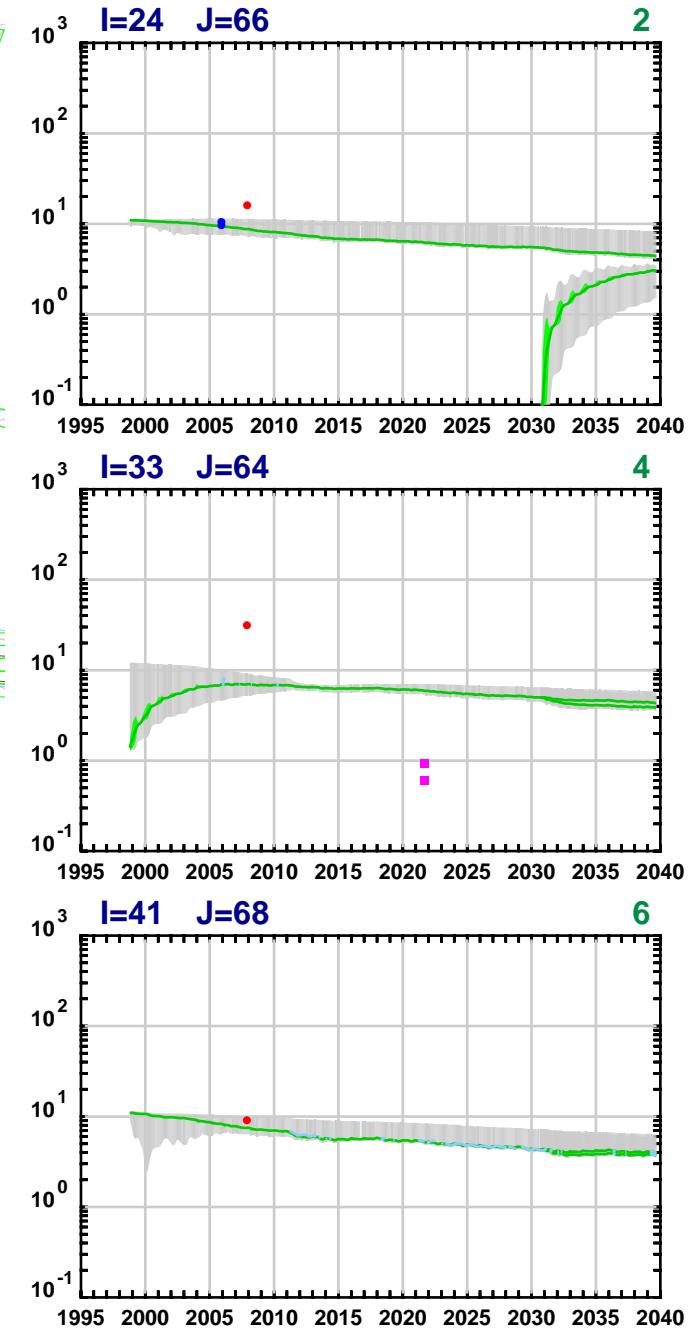
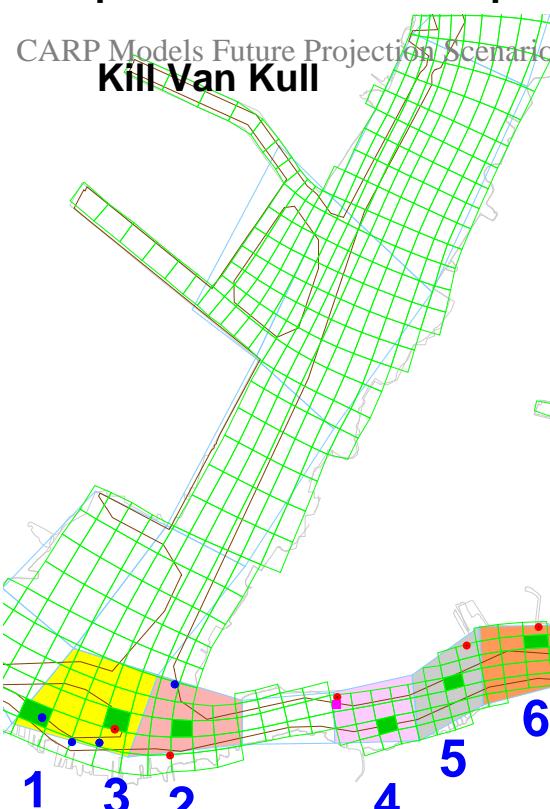
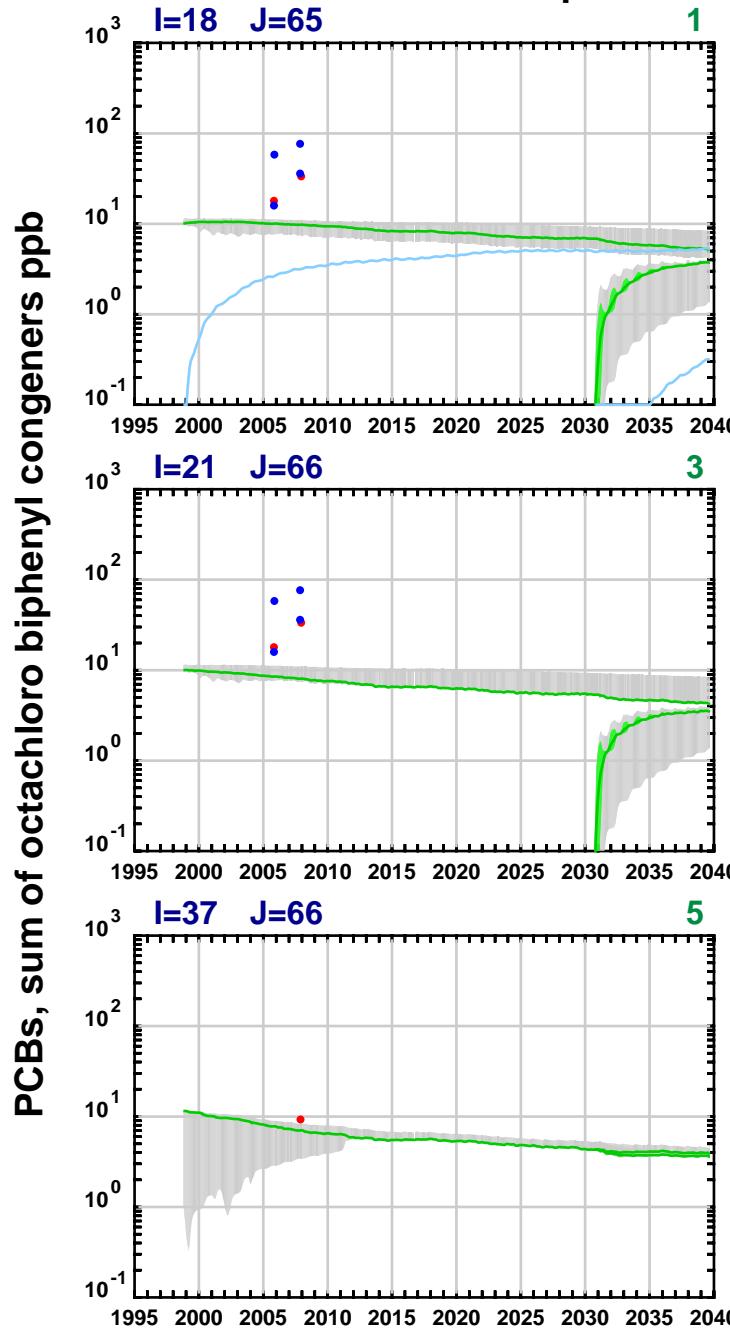
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

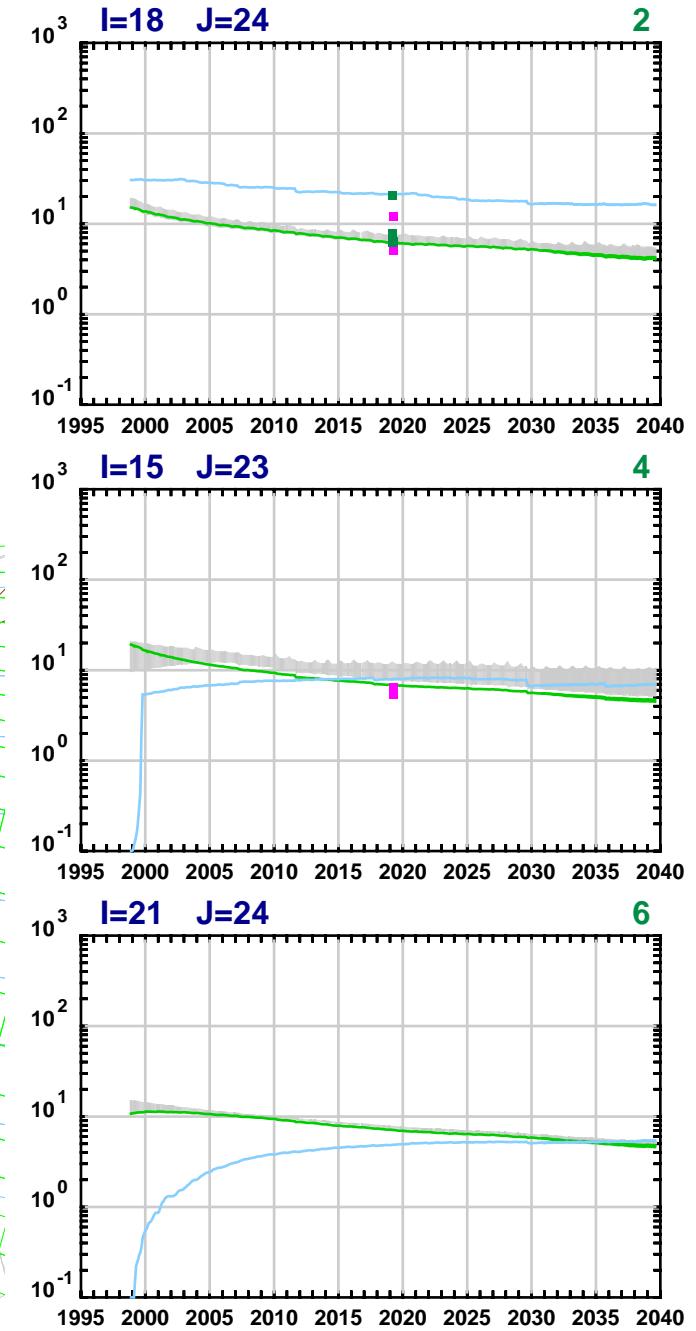
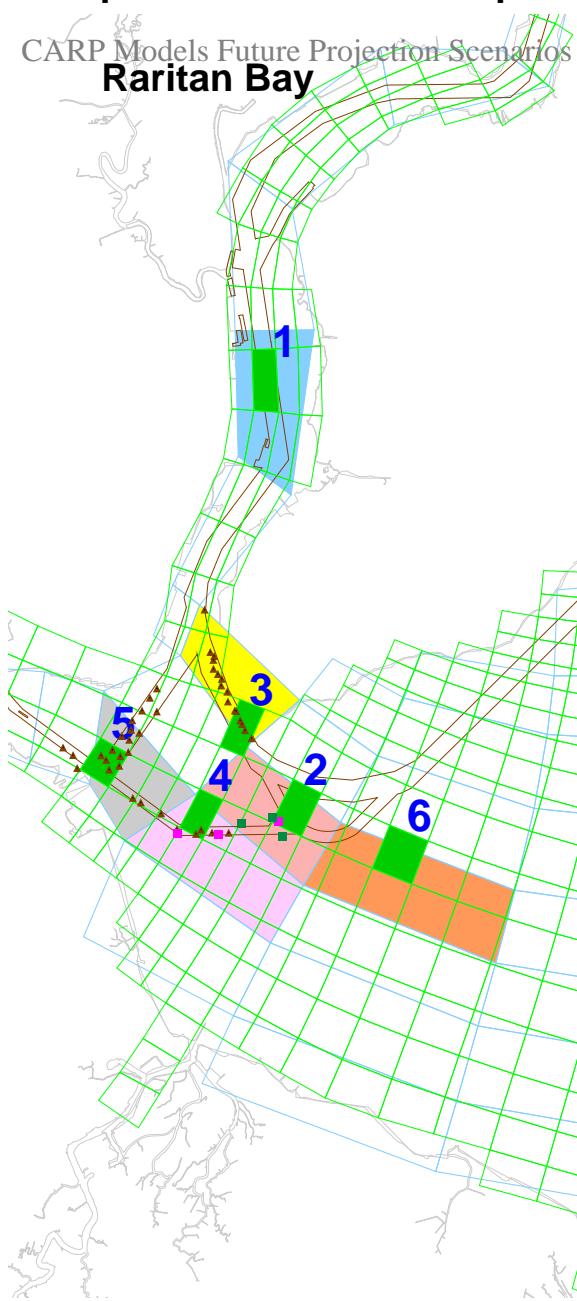
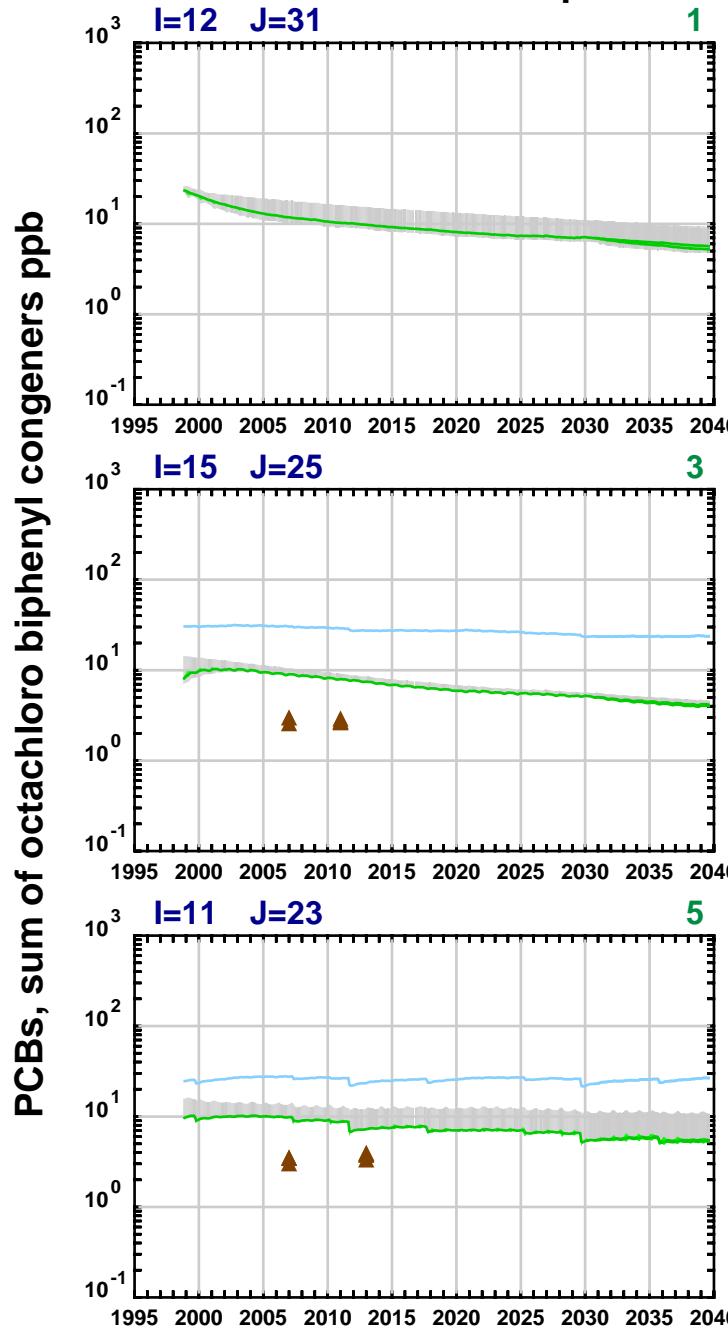
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

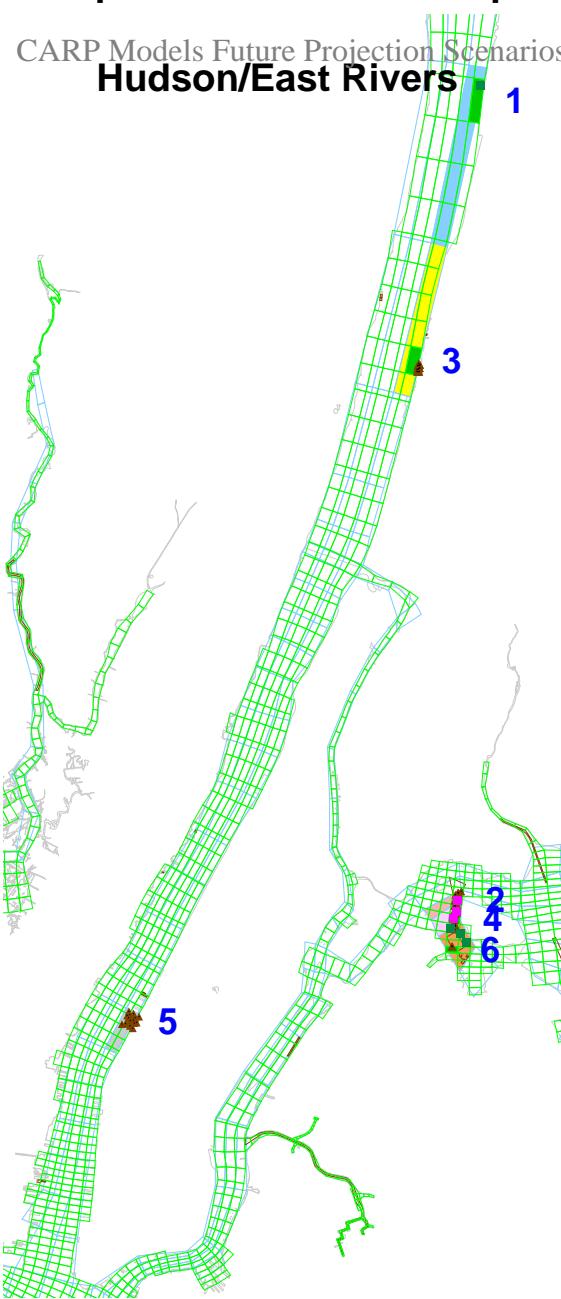
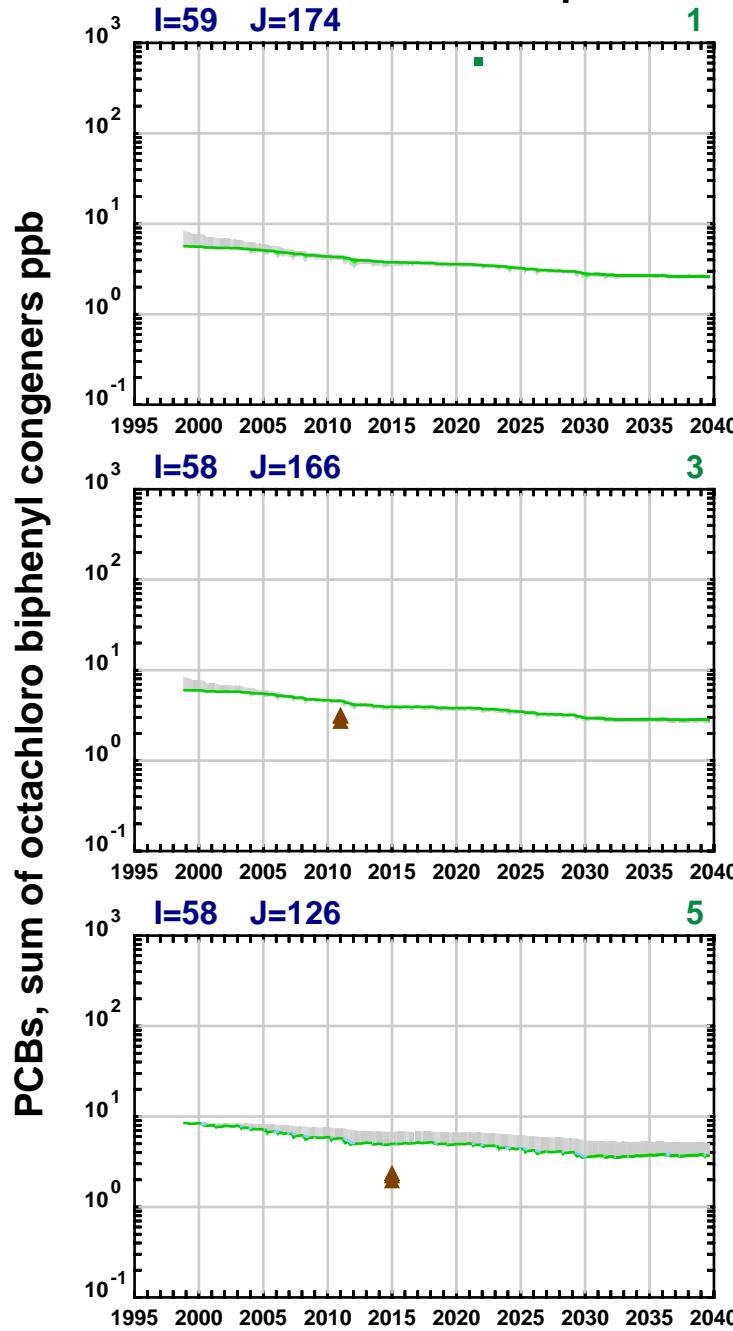
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 113 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

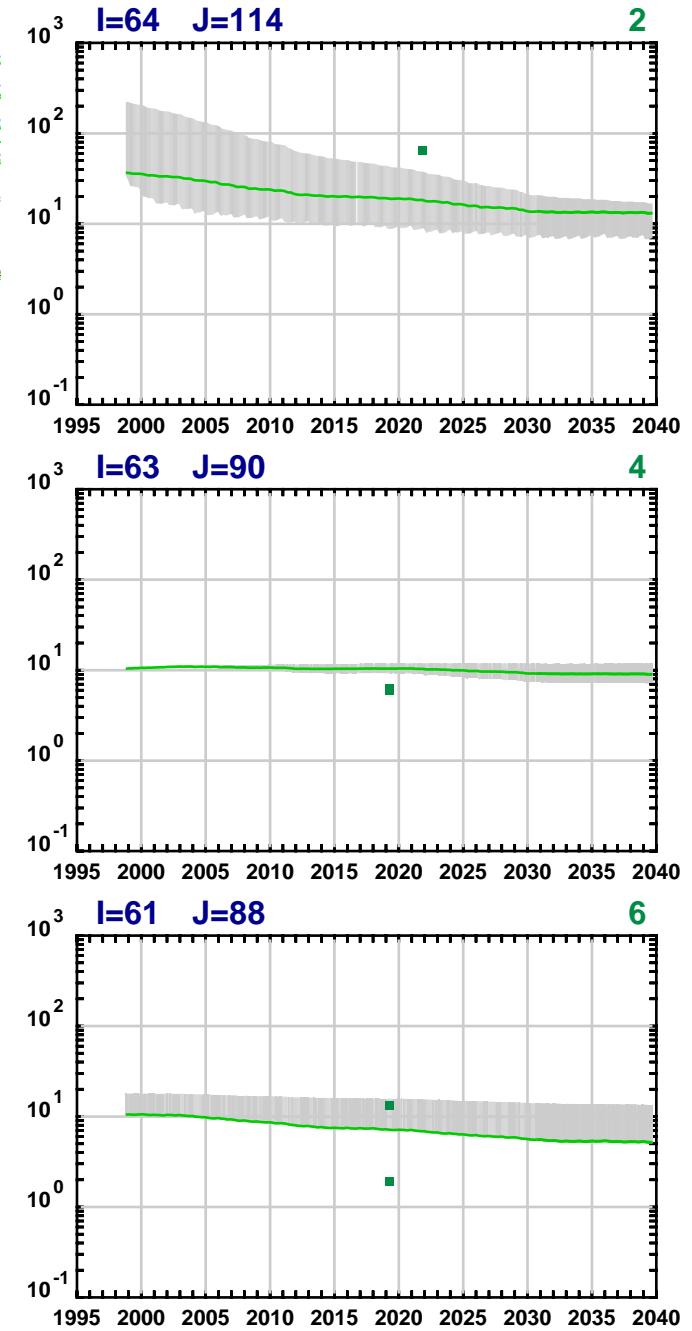
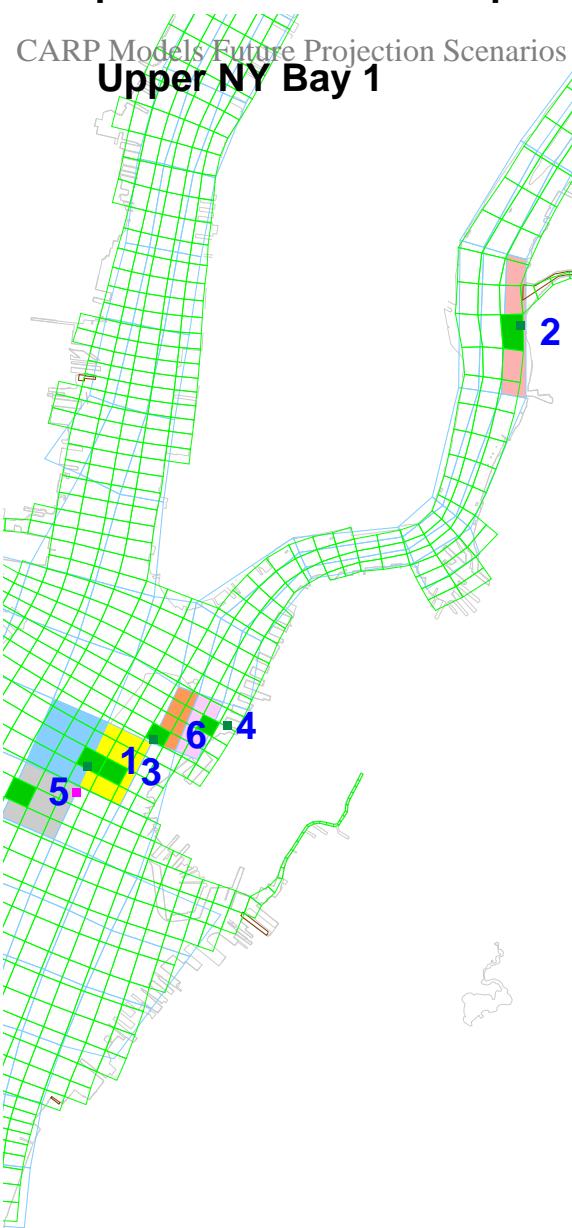
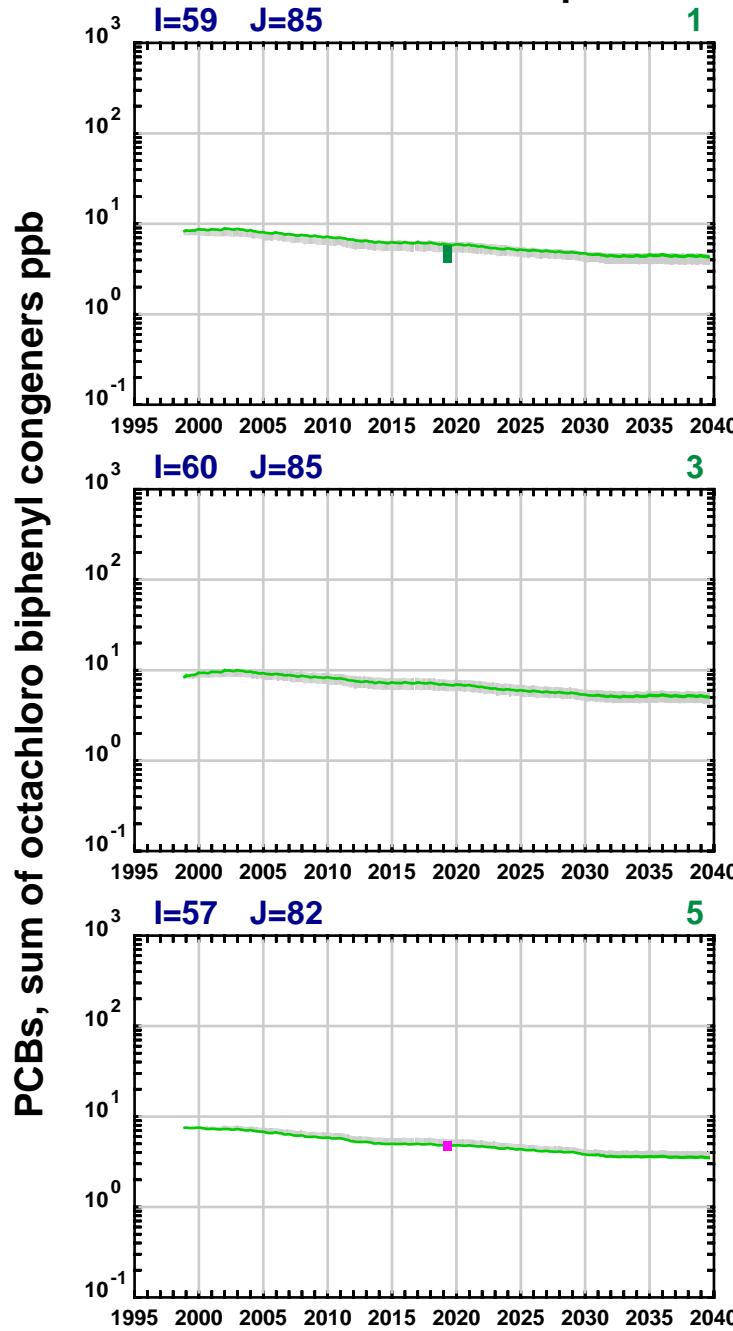
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 114 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

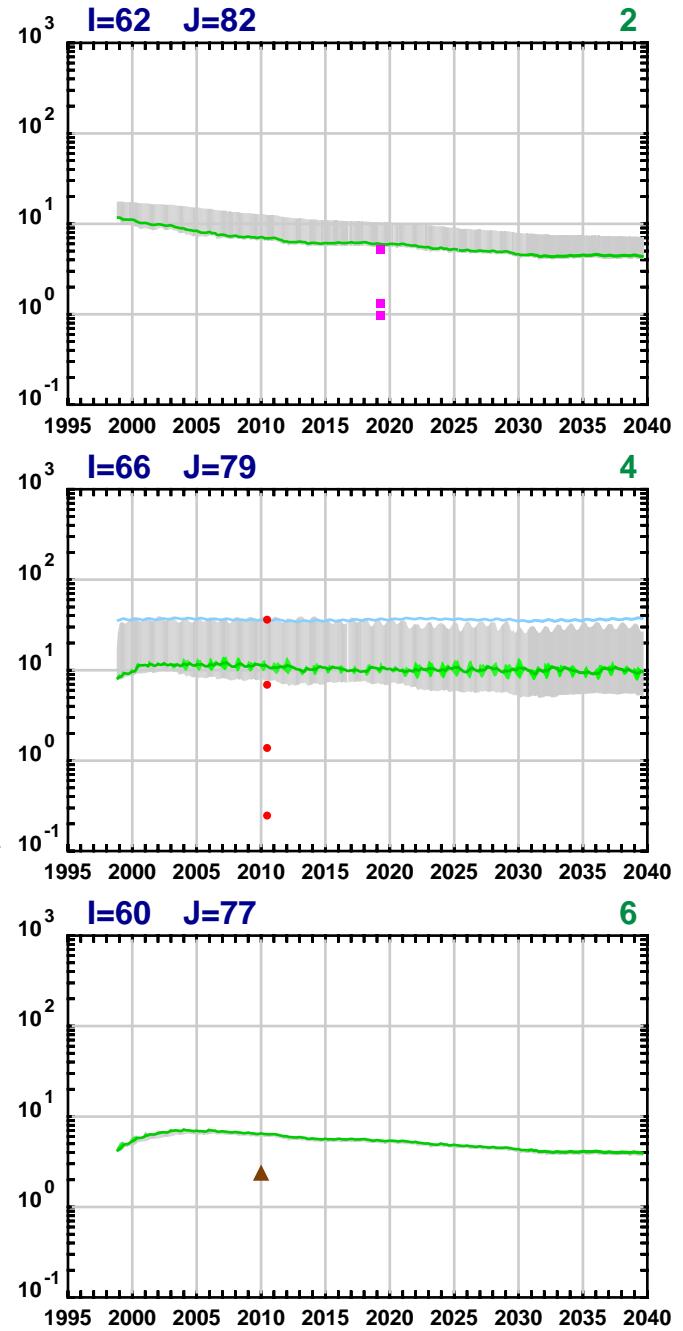
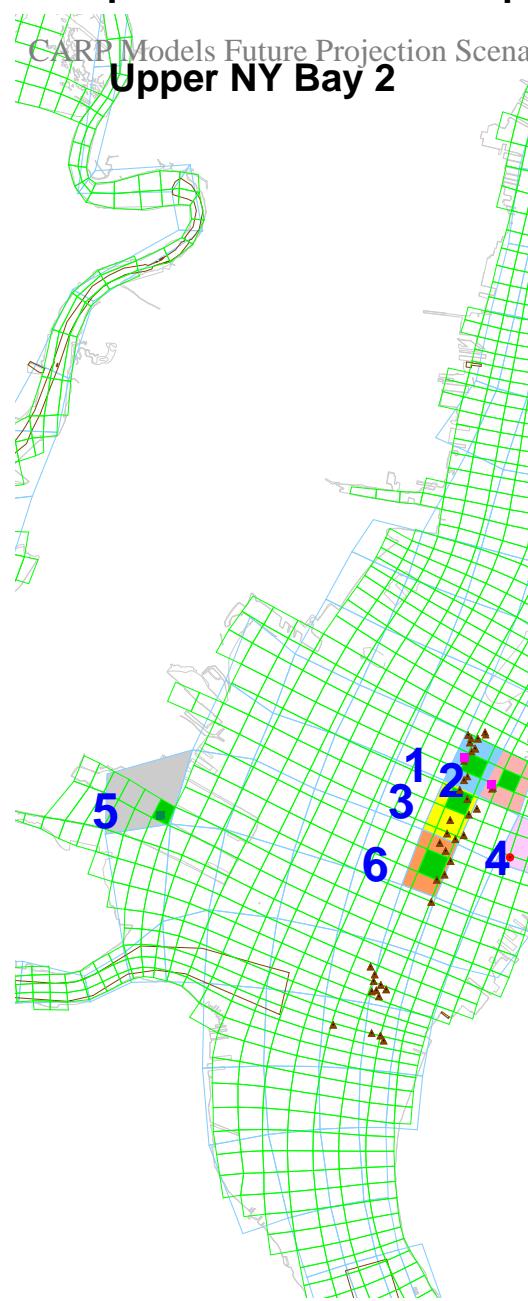
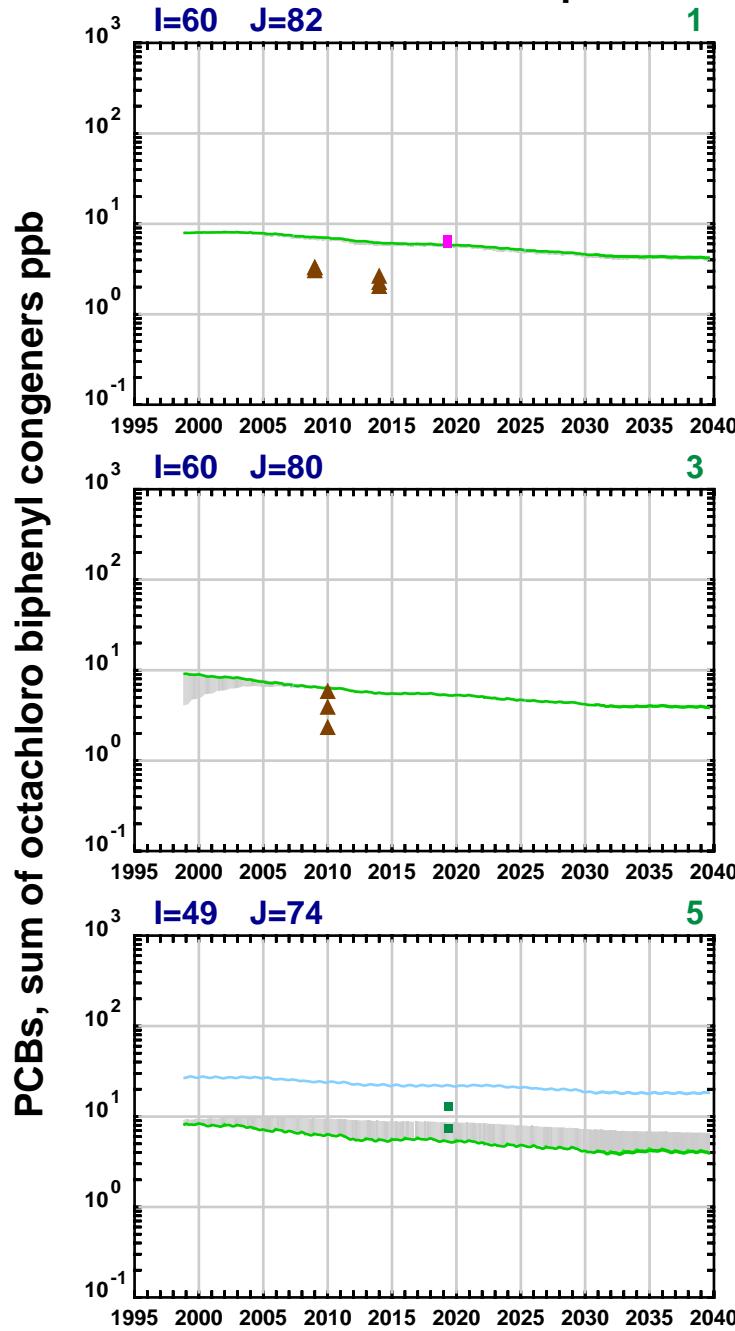
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

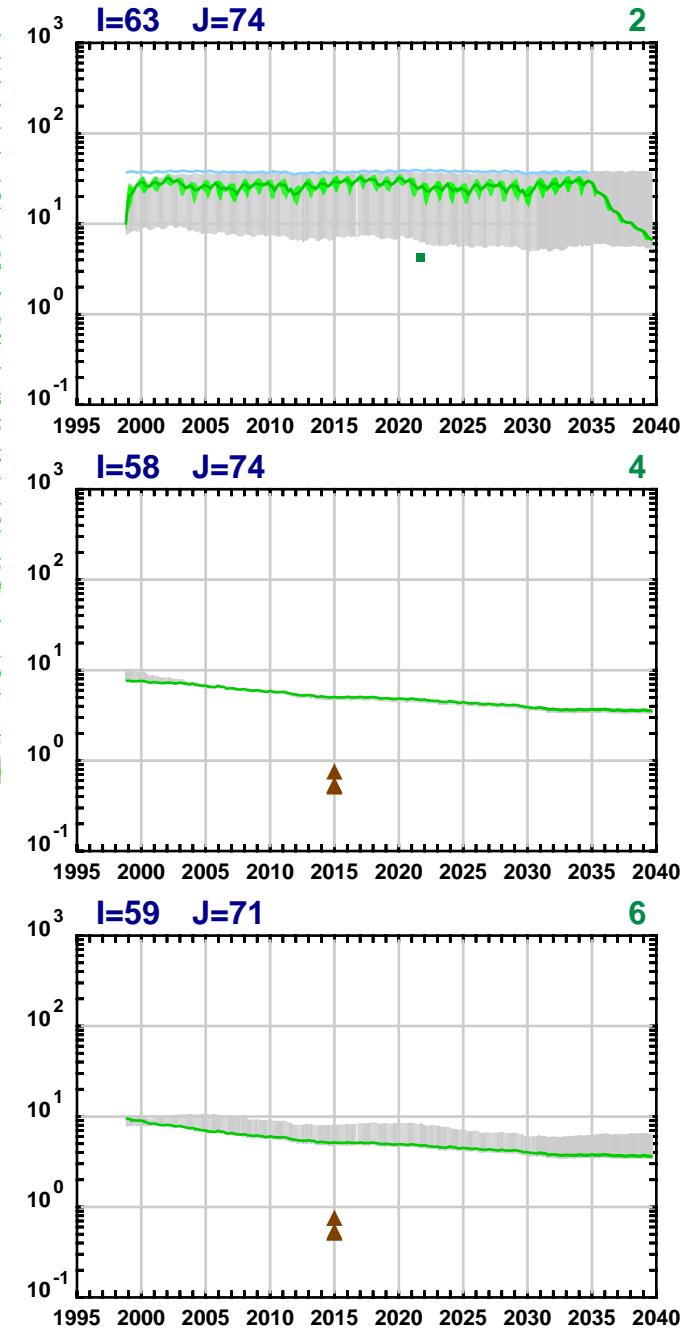
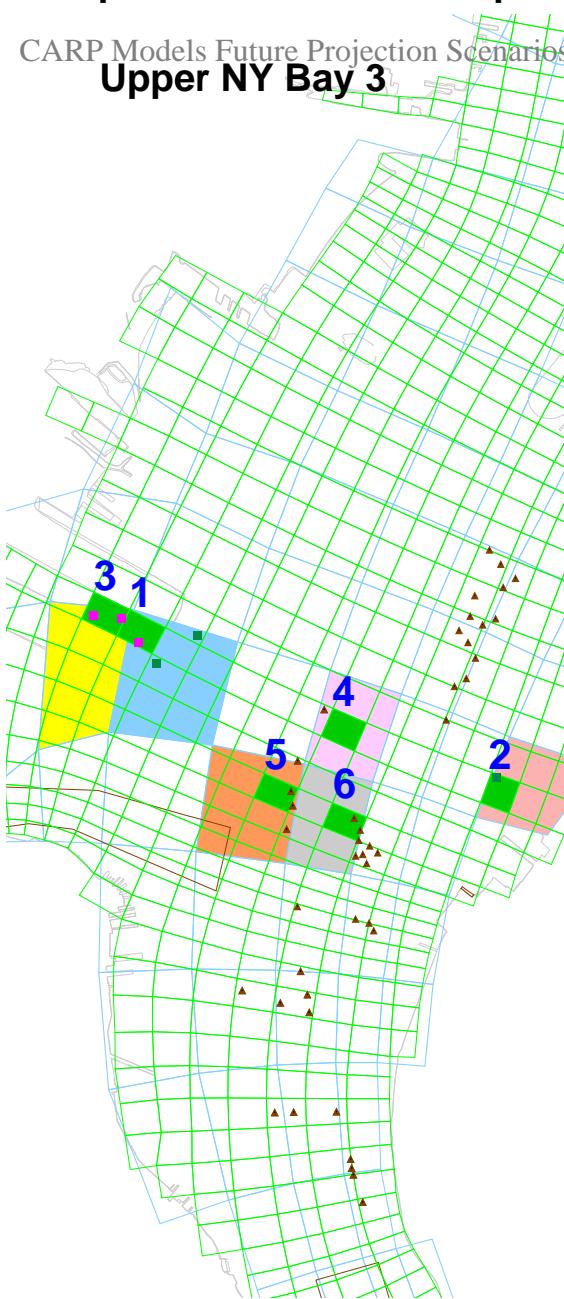
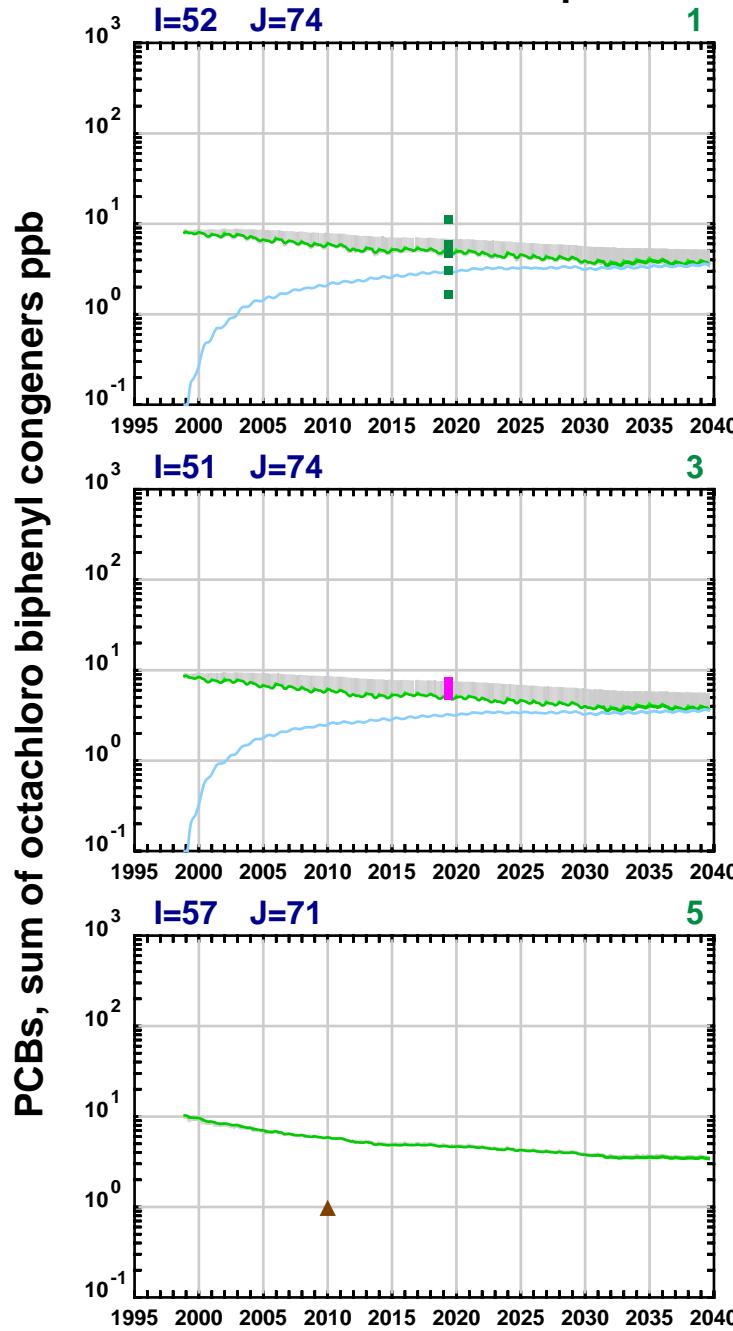
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 116 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

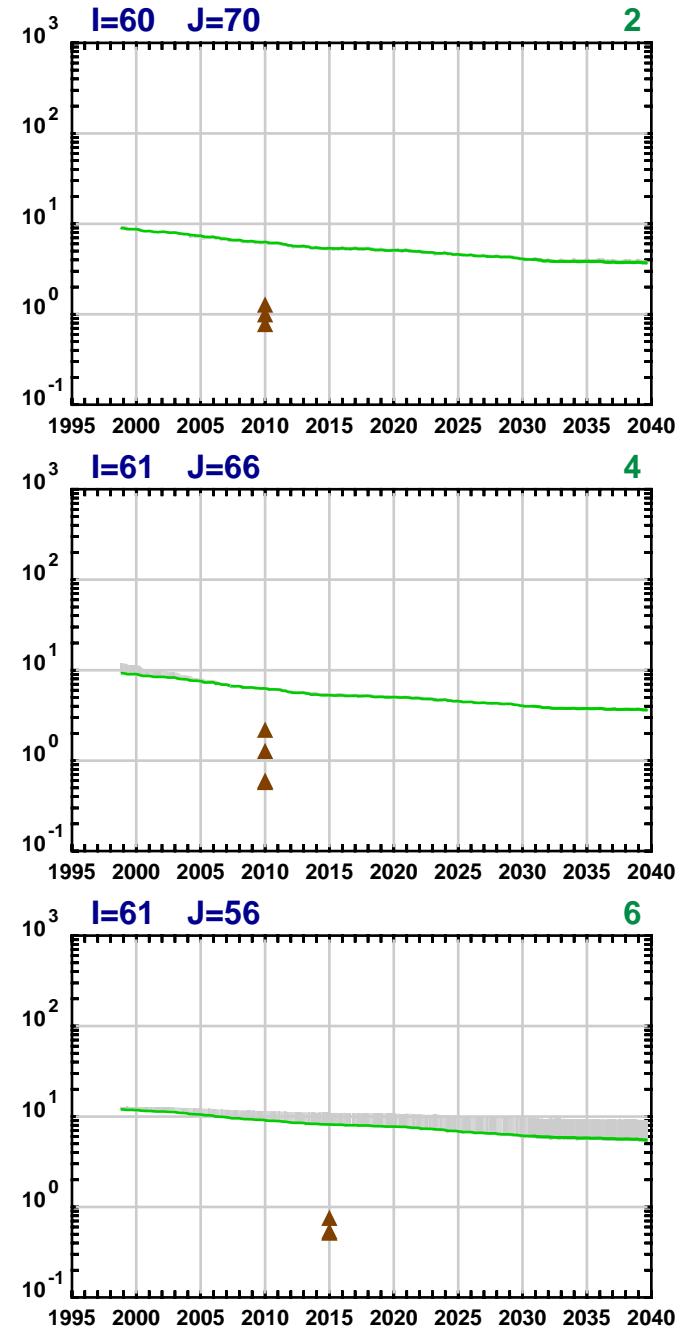
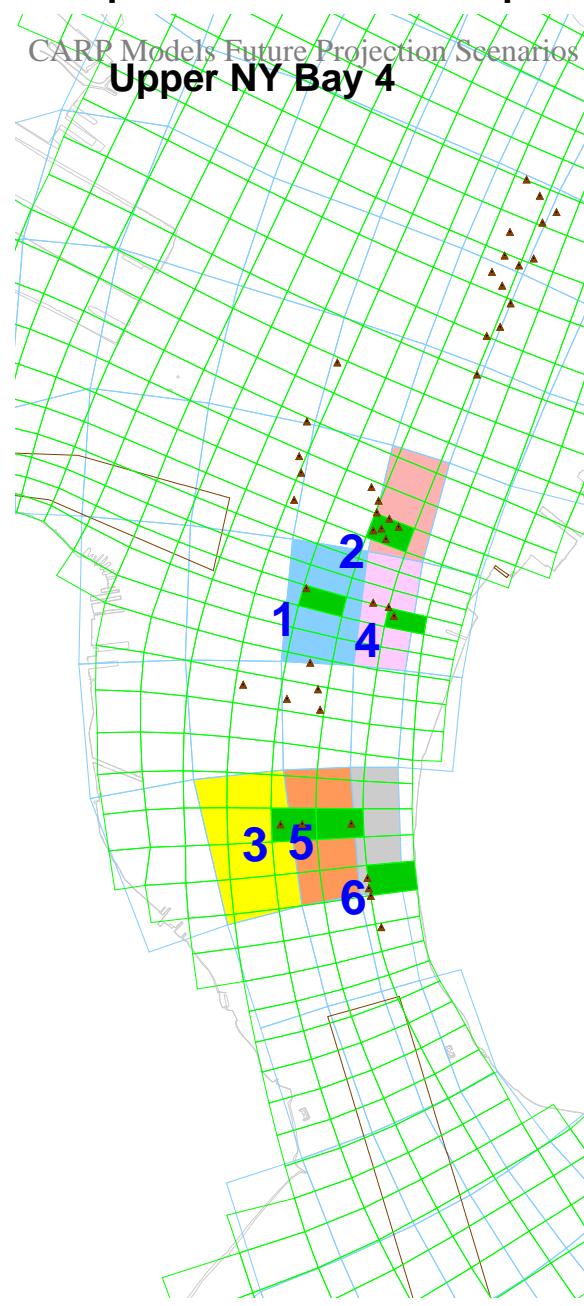
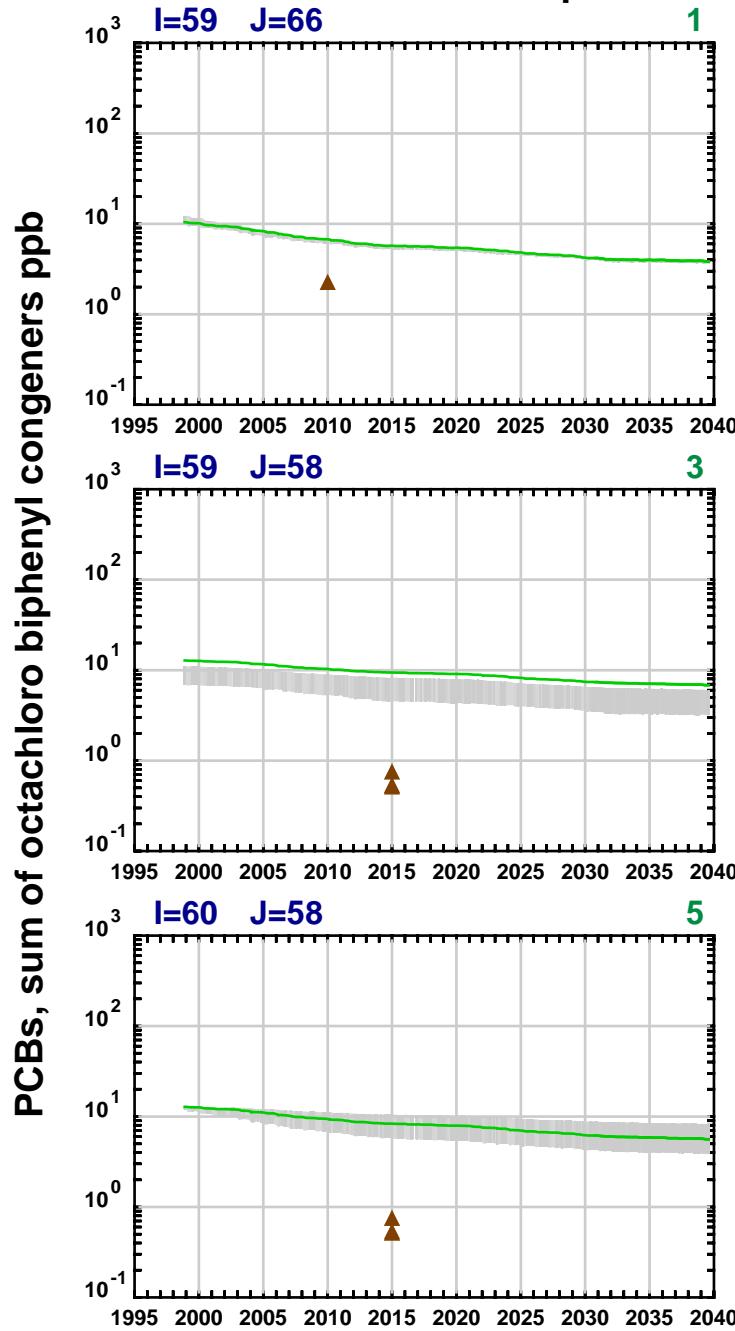
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

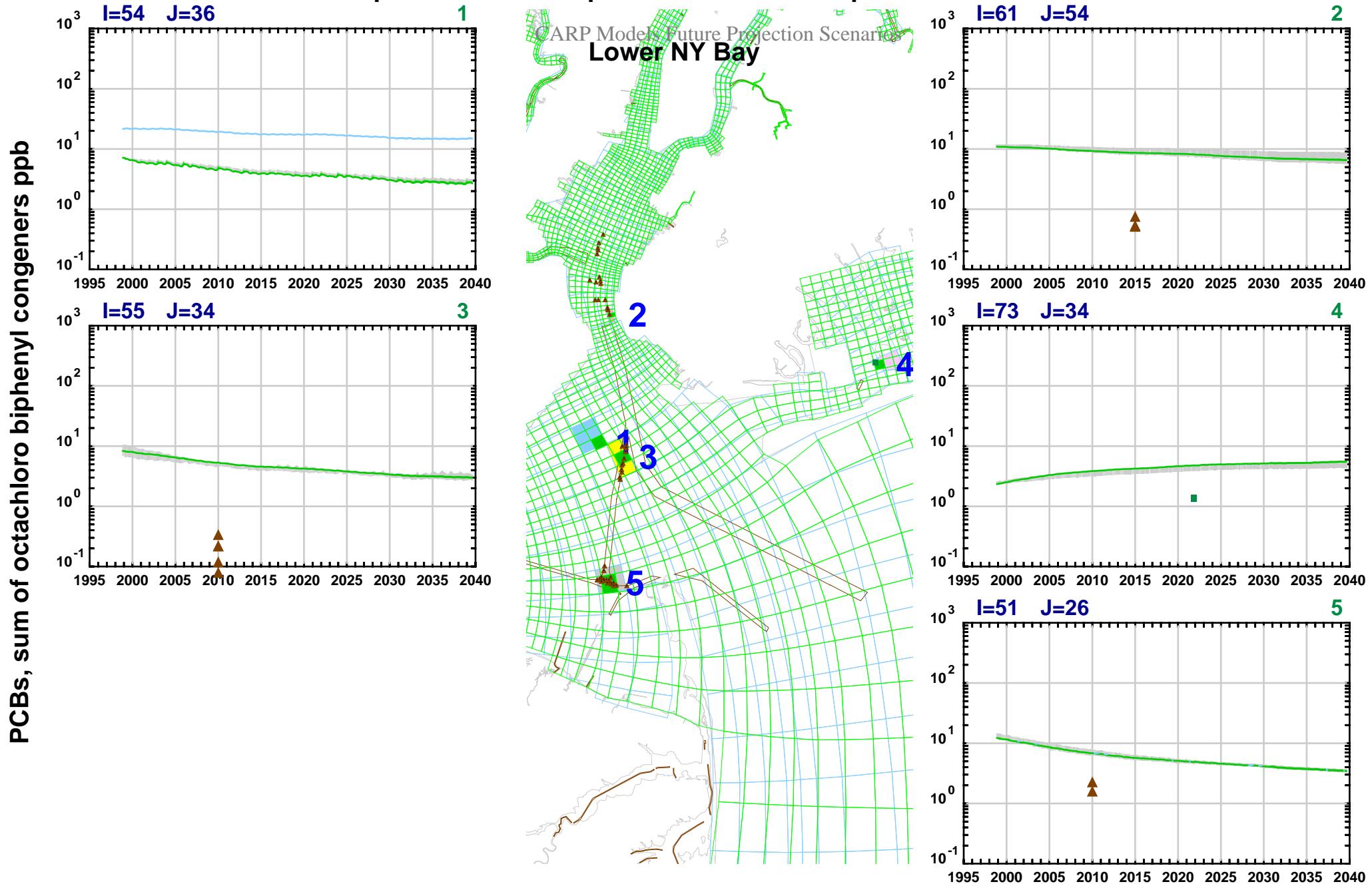
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

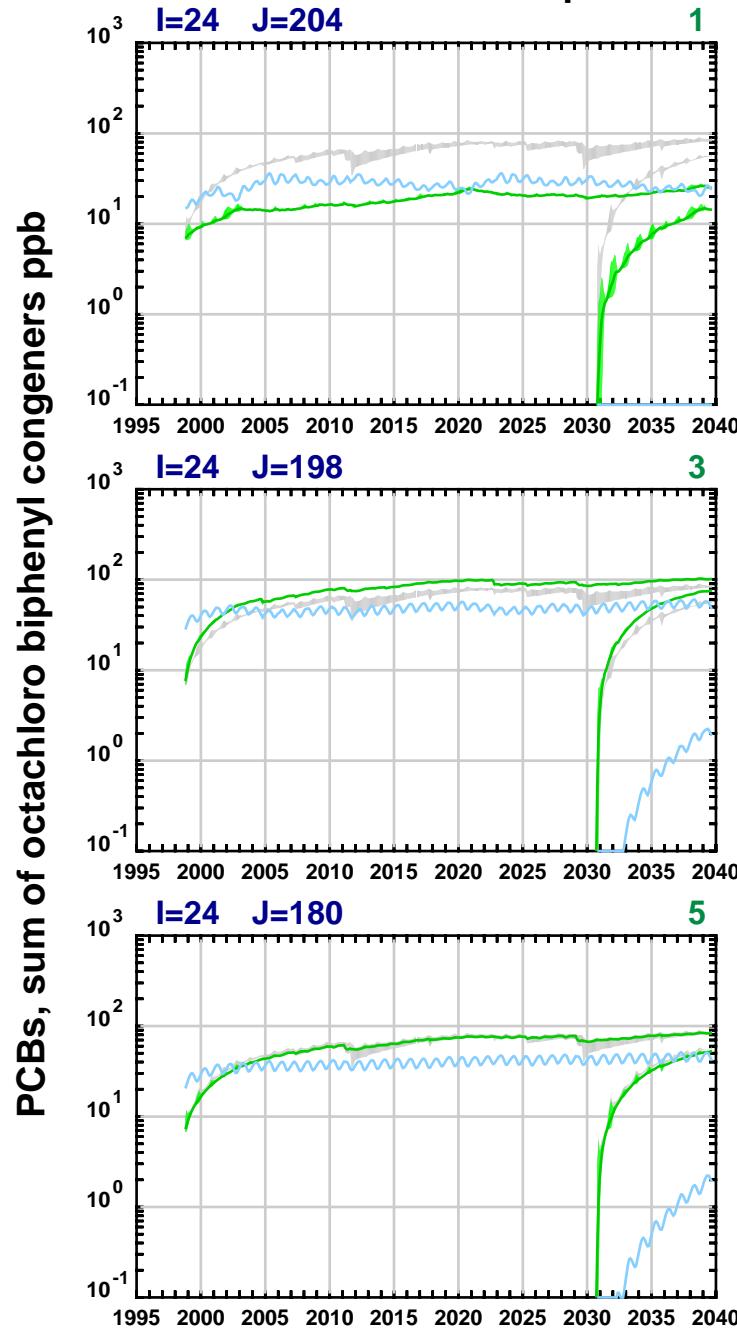
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

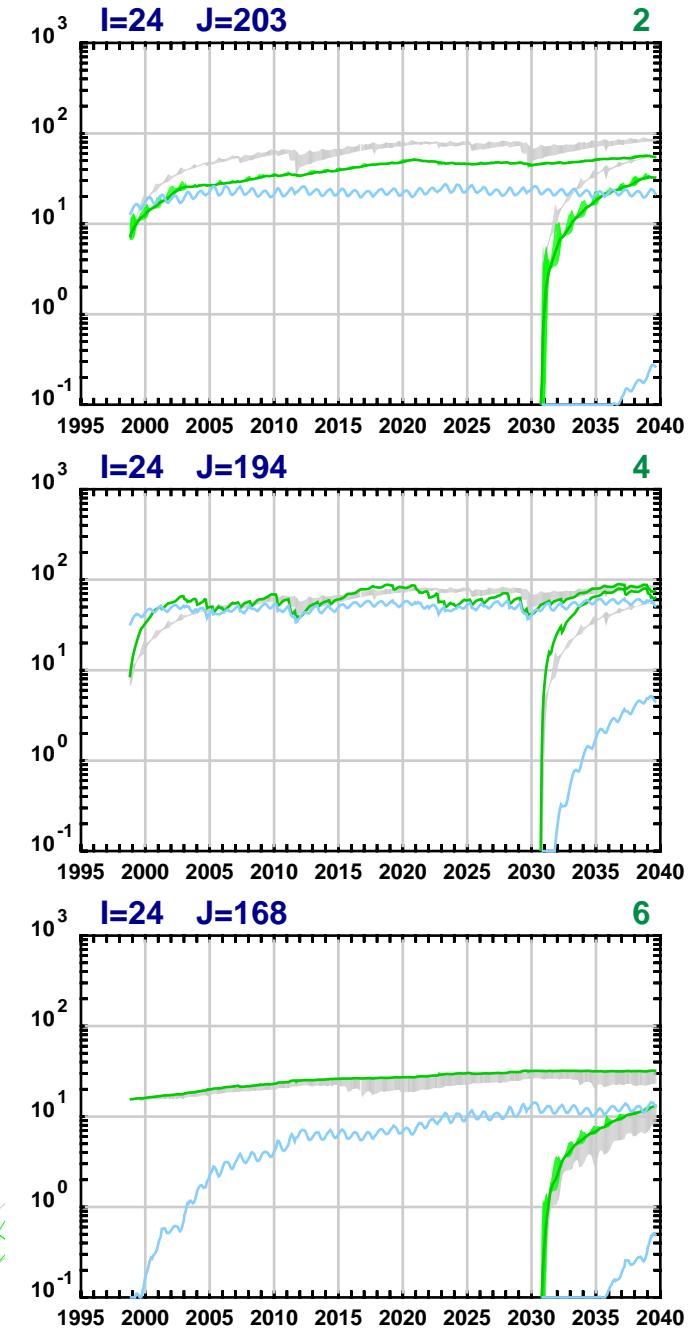
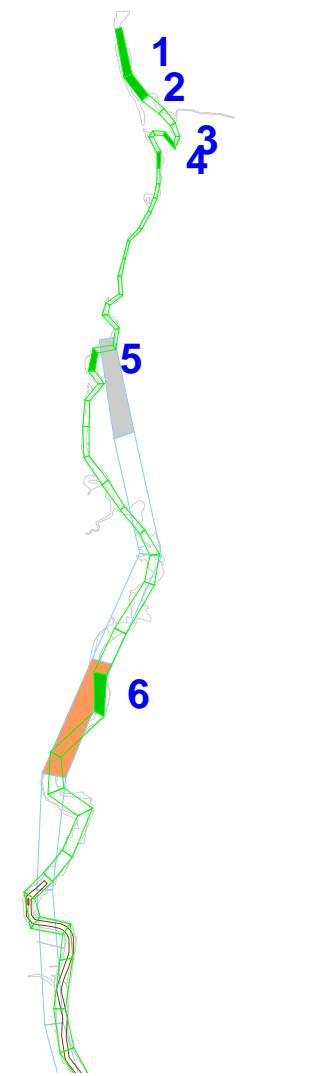
Appendix 1 Page 119 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

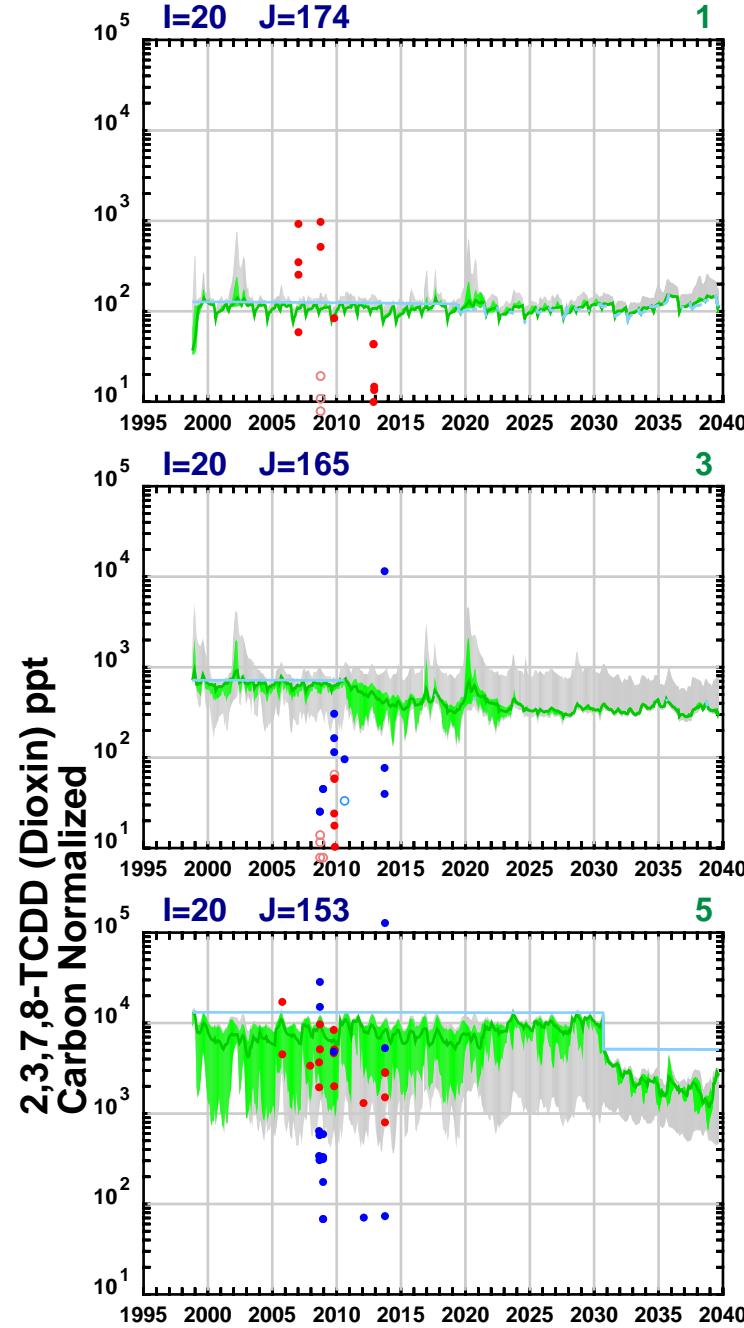
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

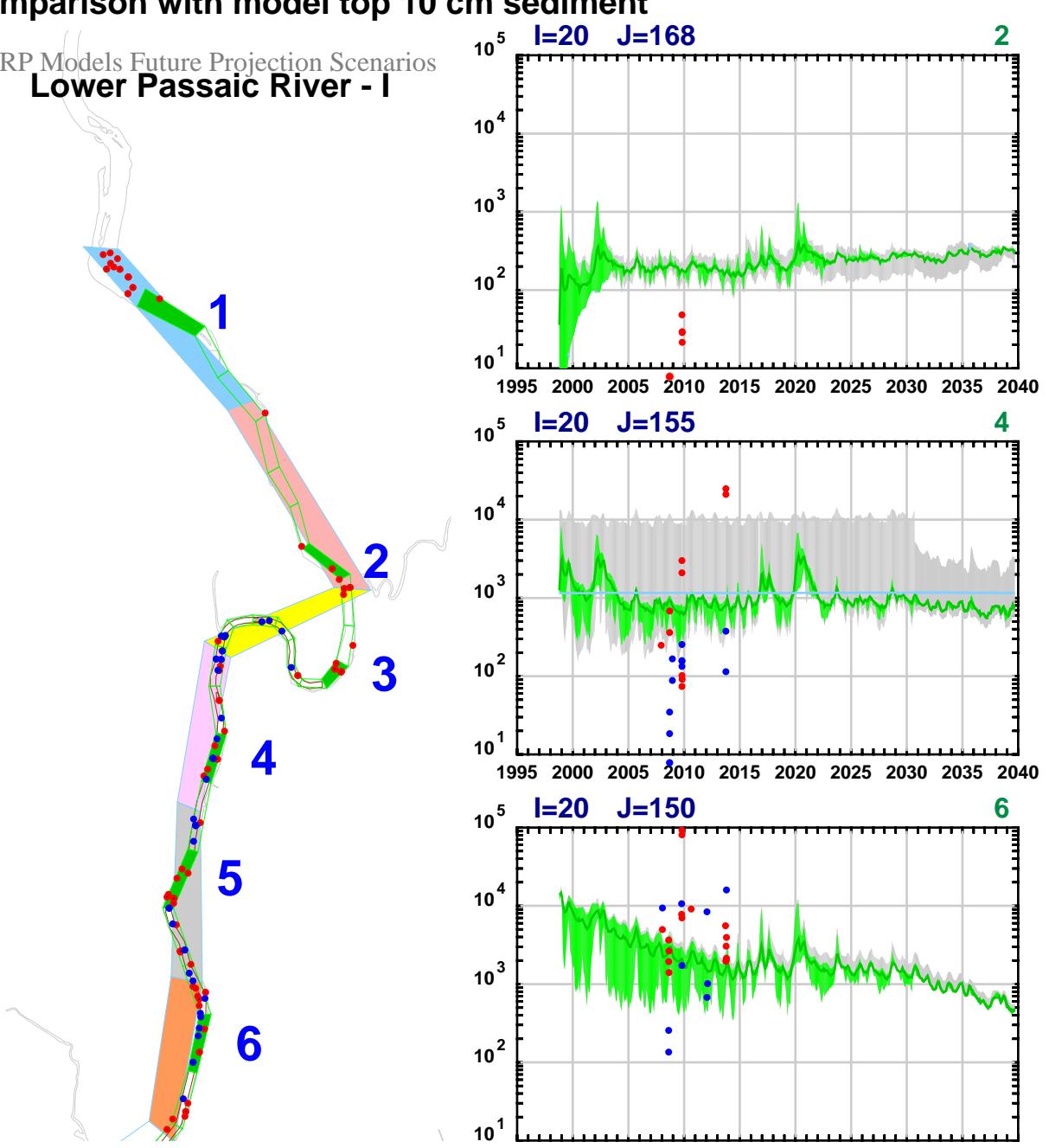
Appendix 1 Page 120 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

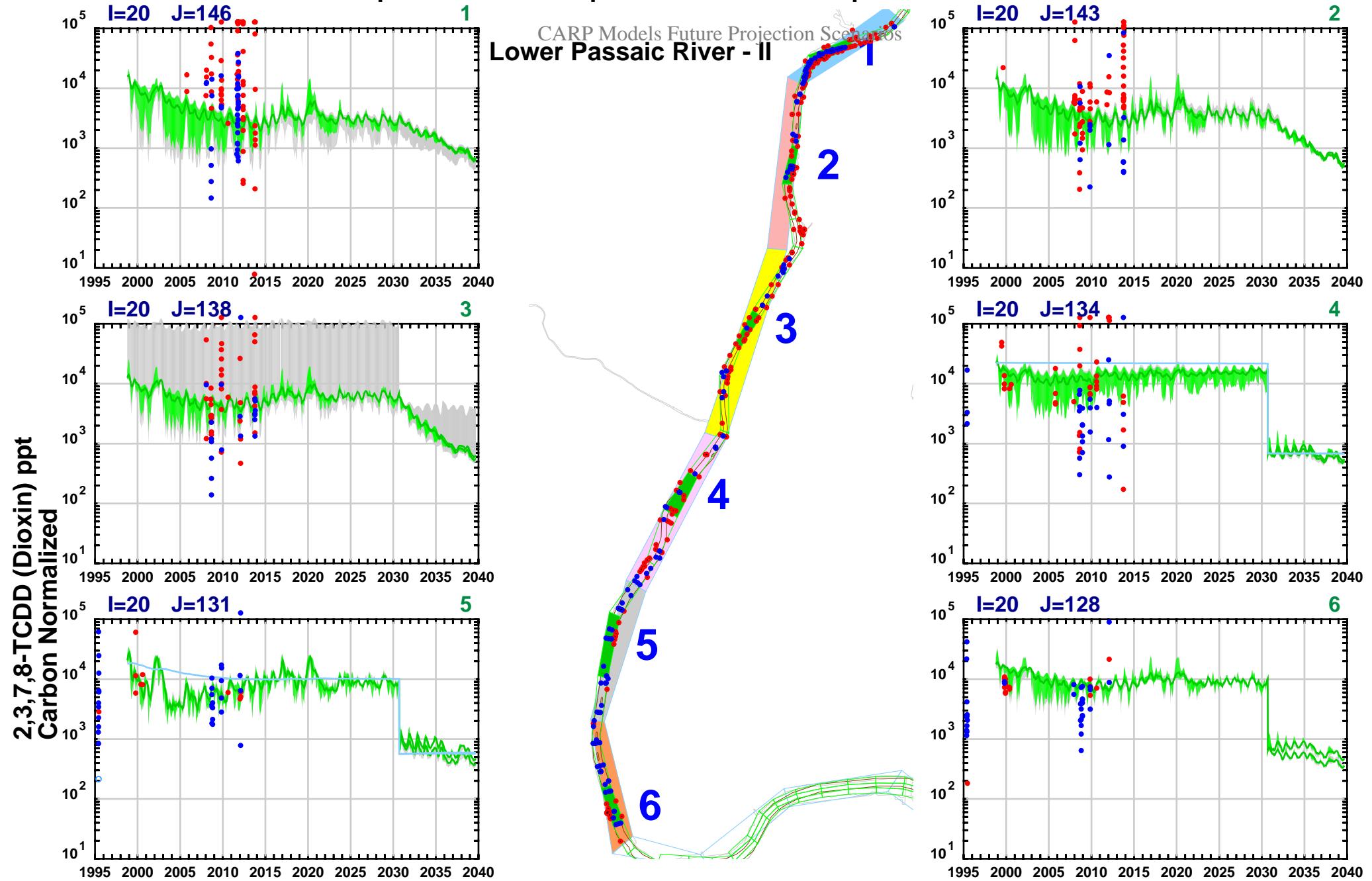
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

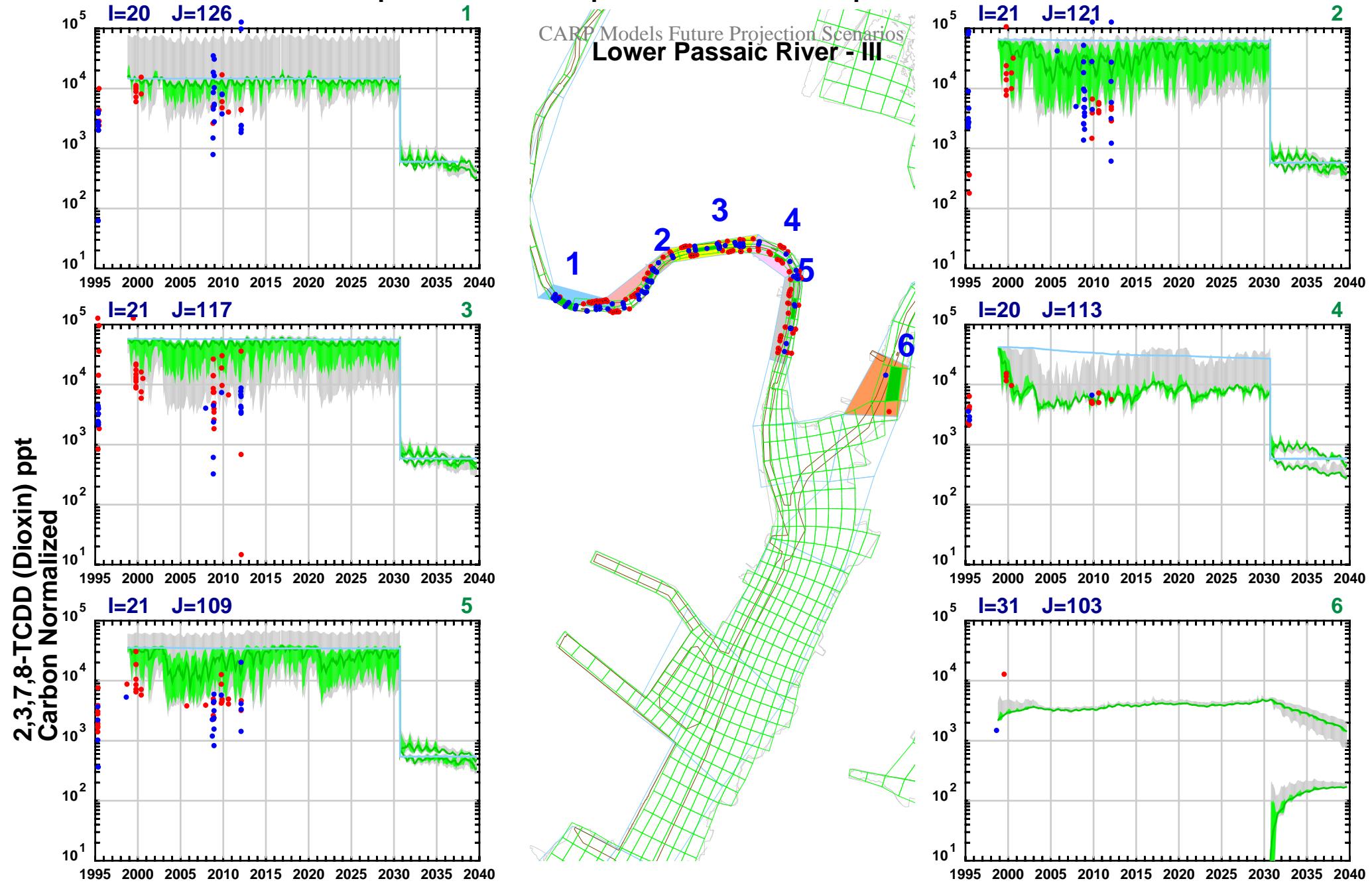
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 122 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

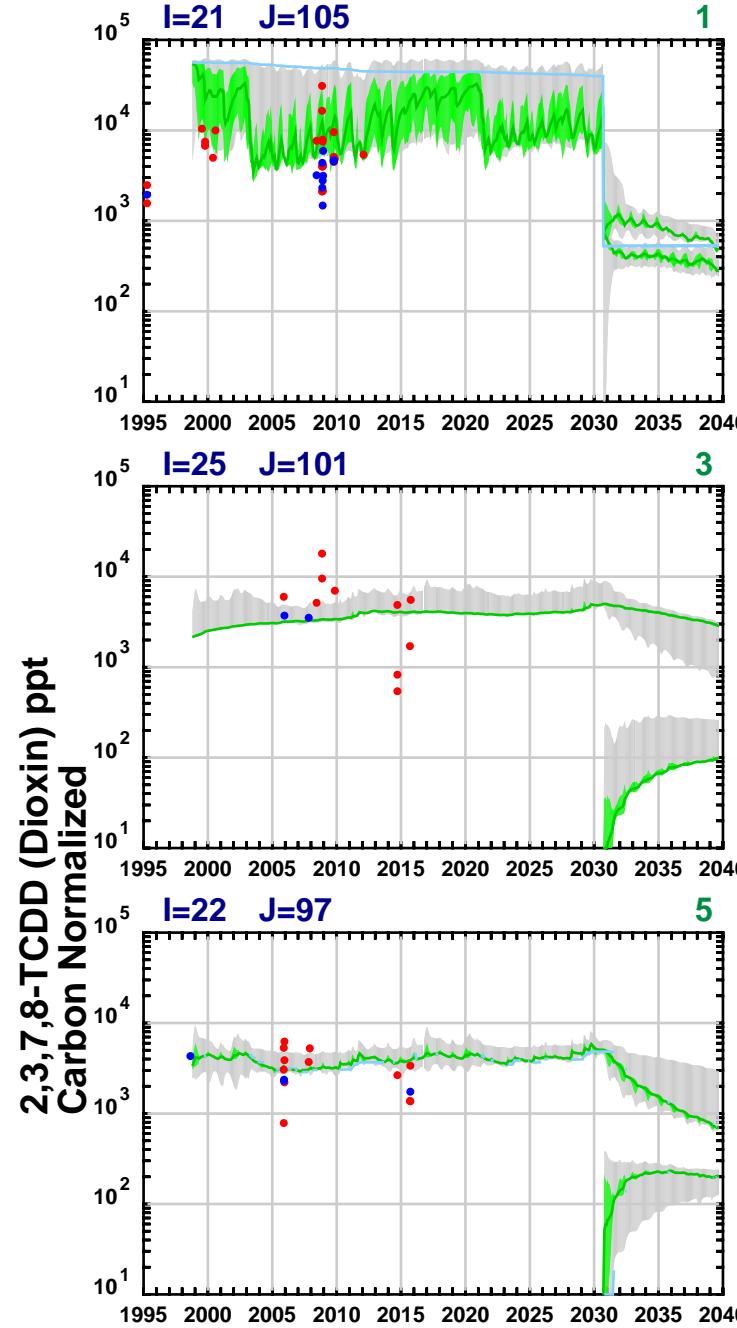
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

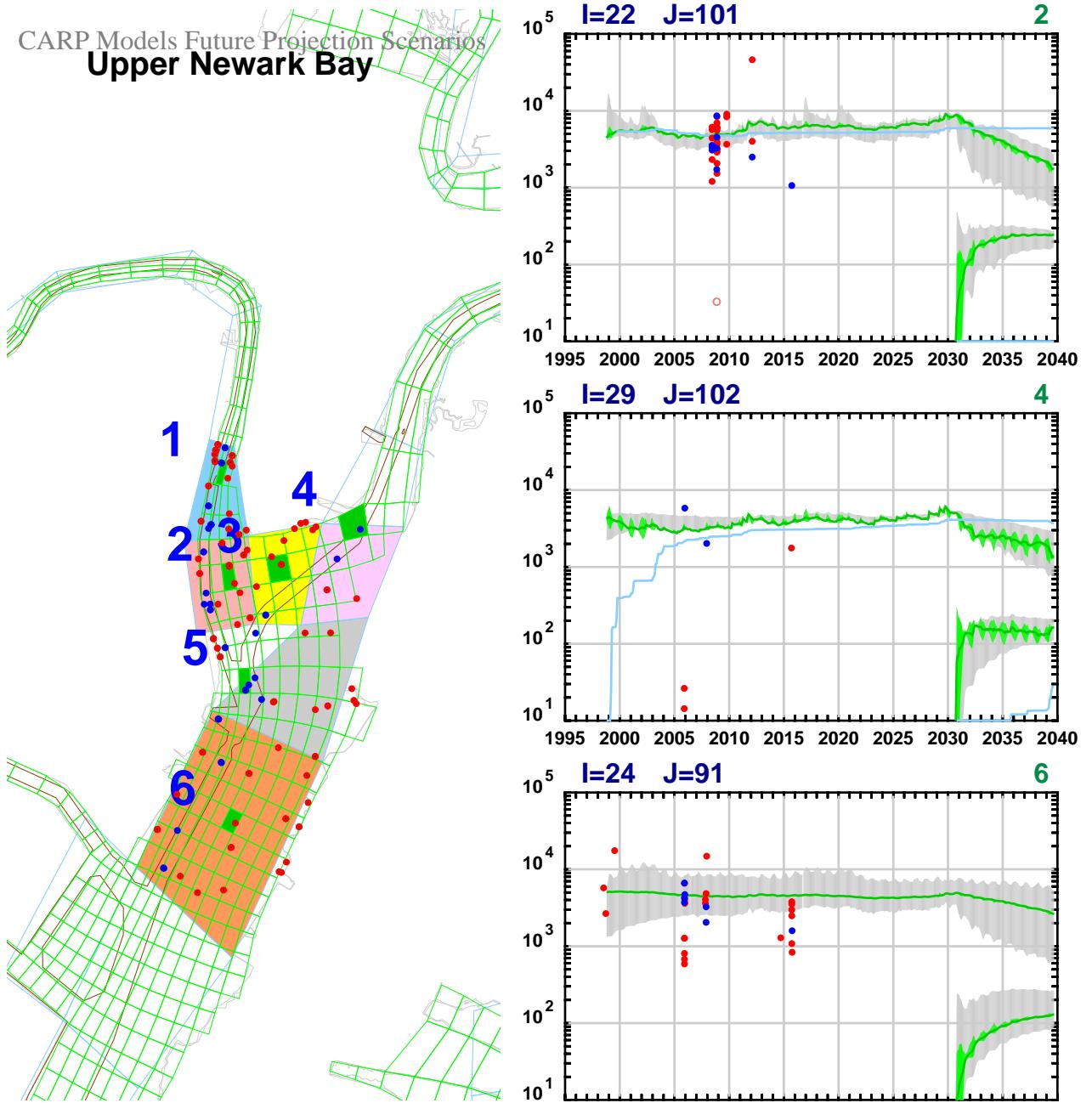
Appendix 1 Page 123 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

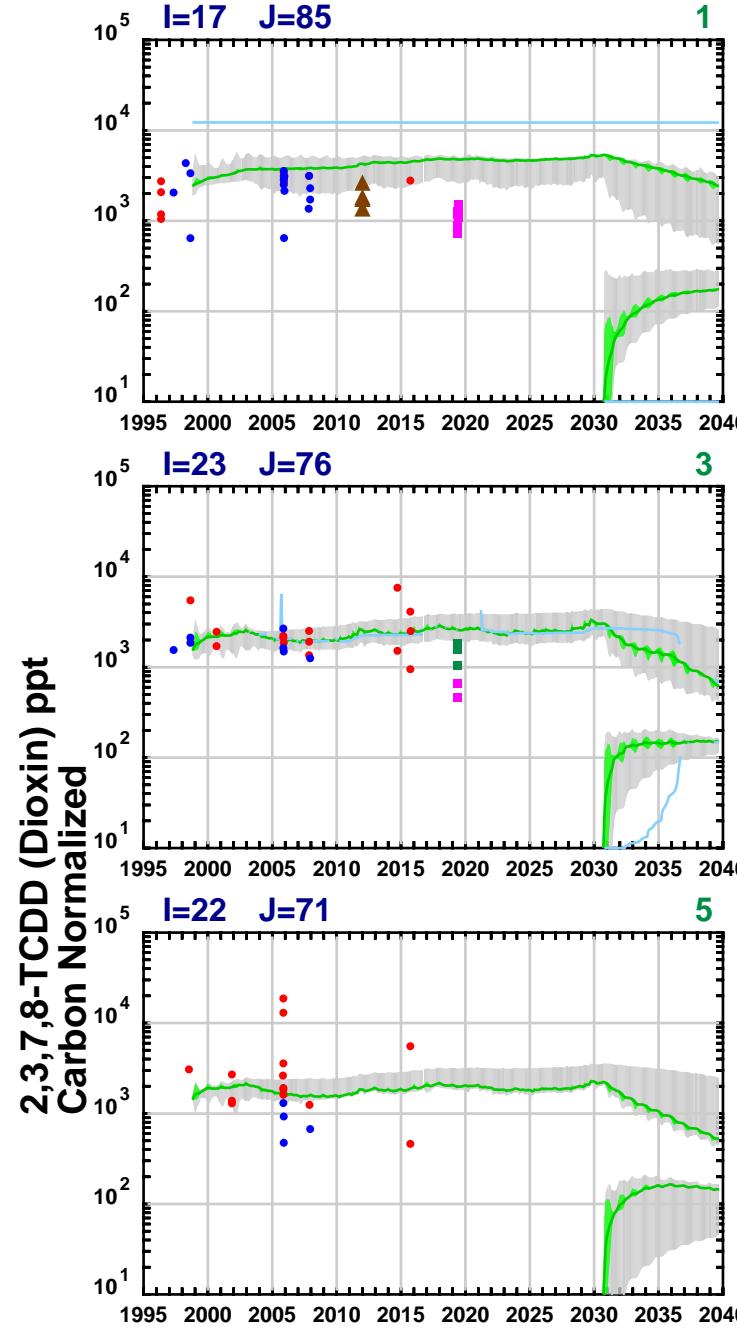
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

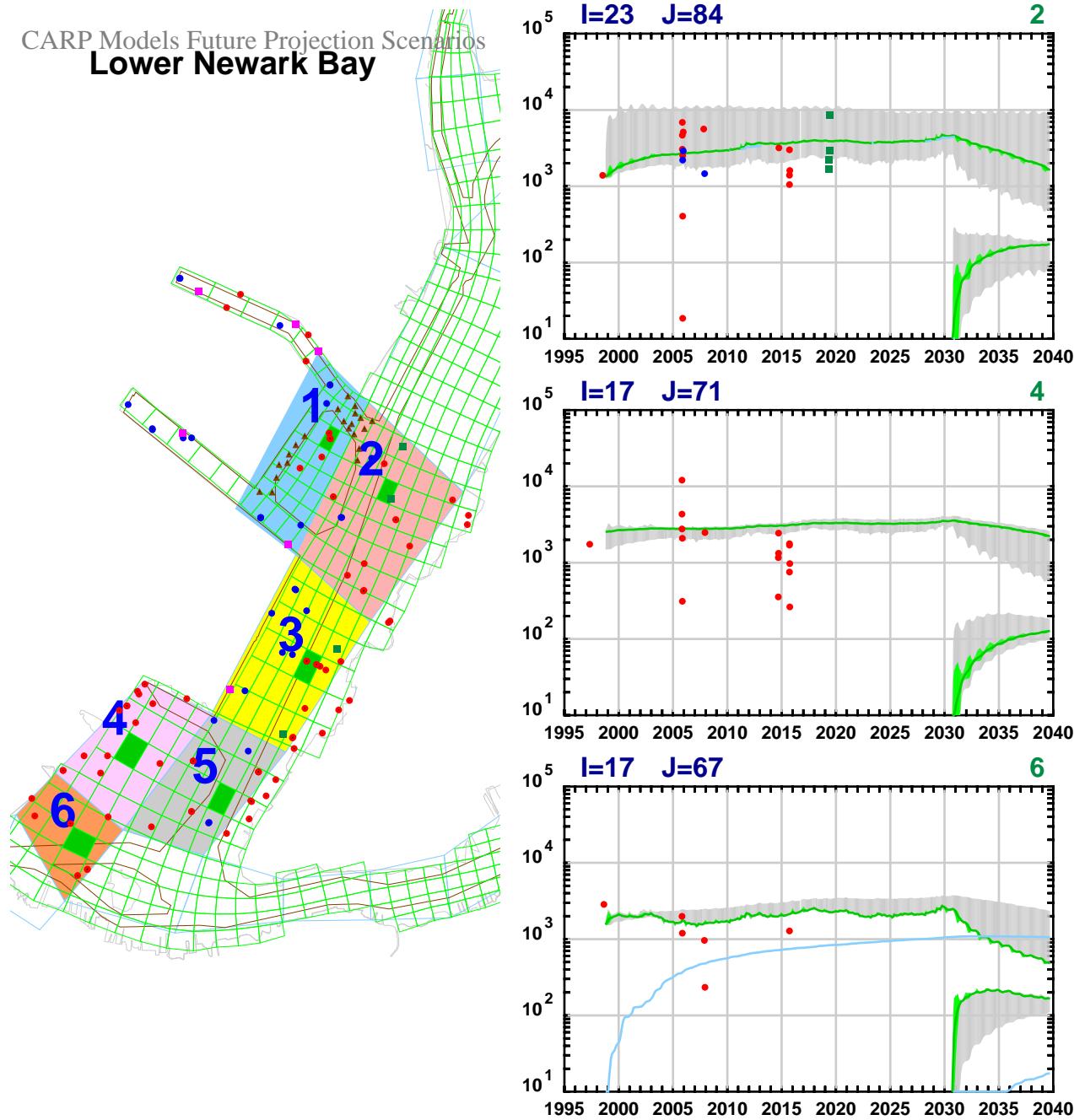
Appendix 1 Page 124 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

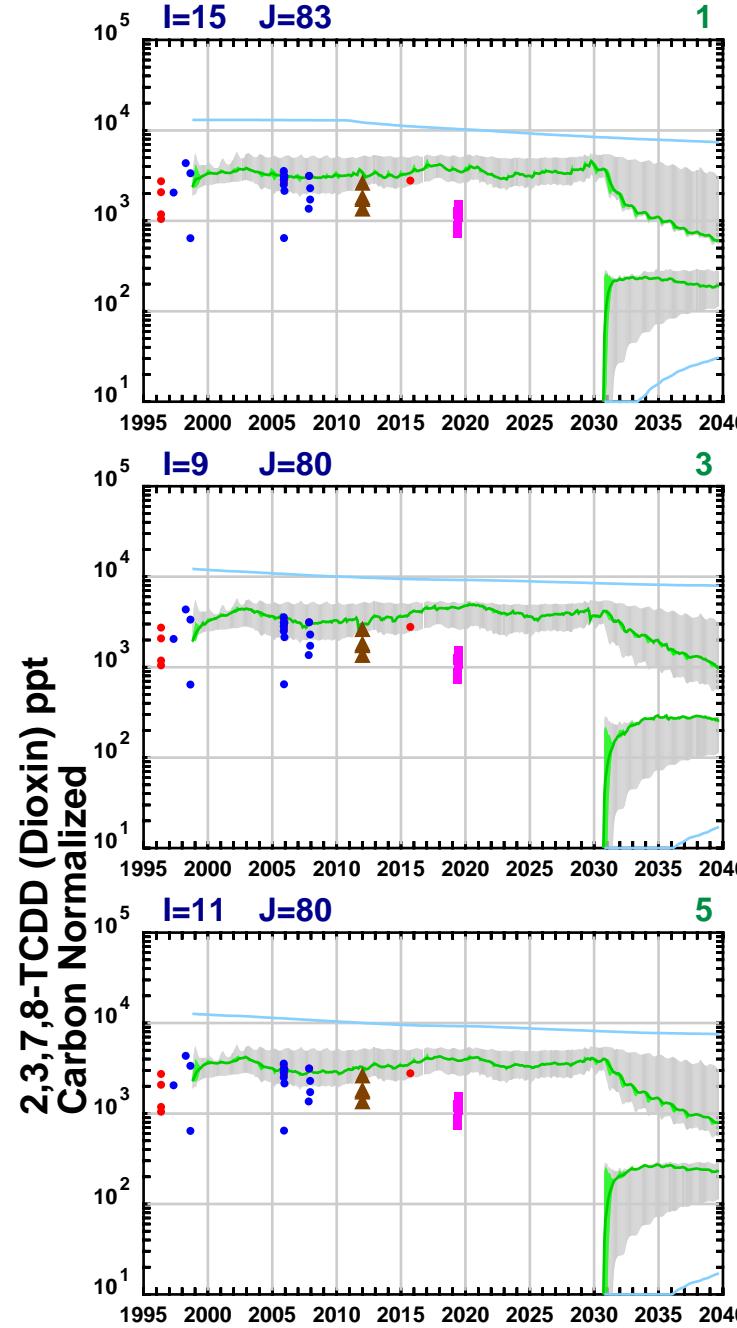
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

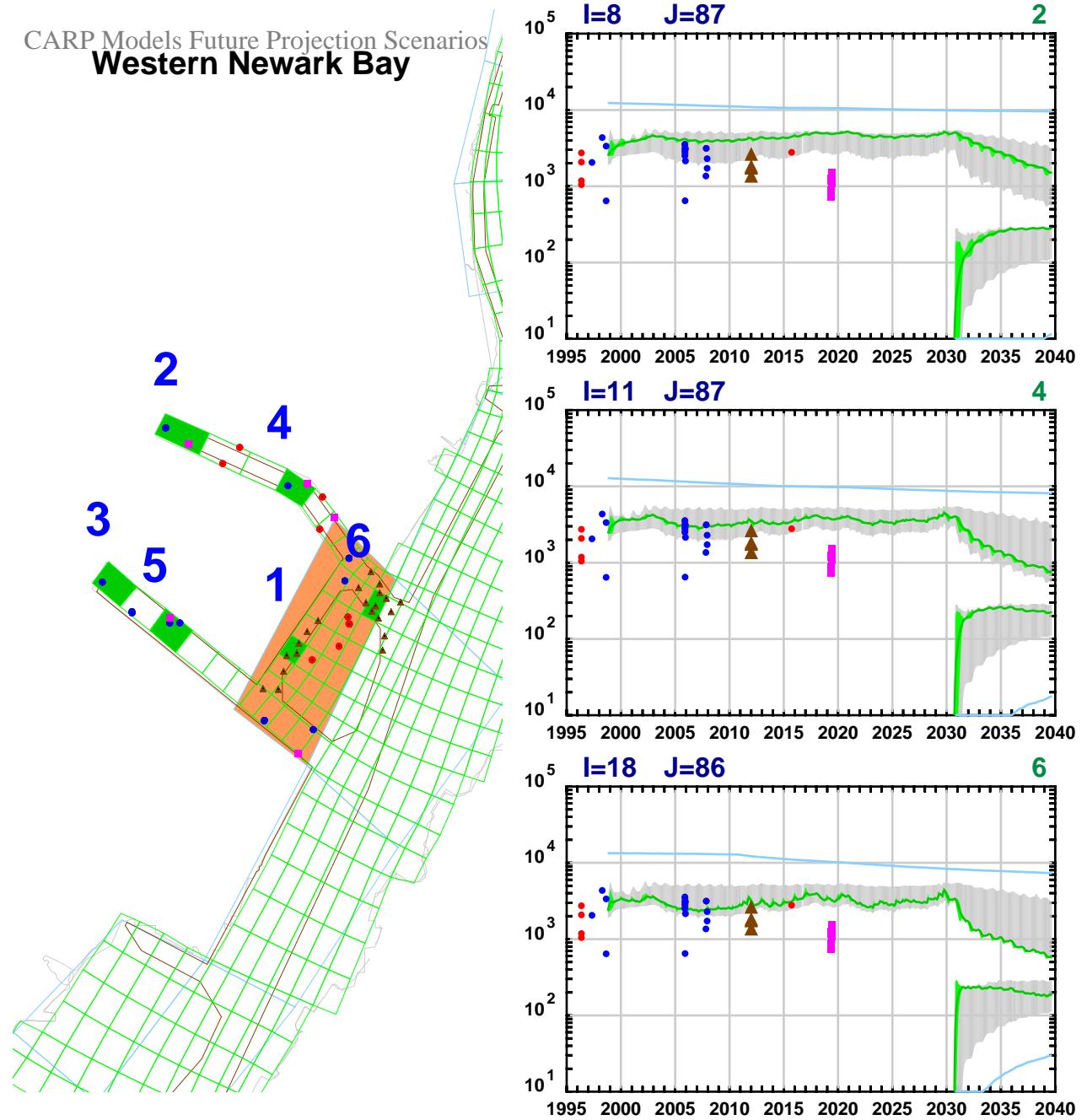
Appendix 1 Page 125 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

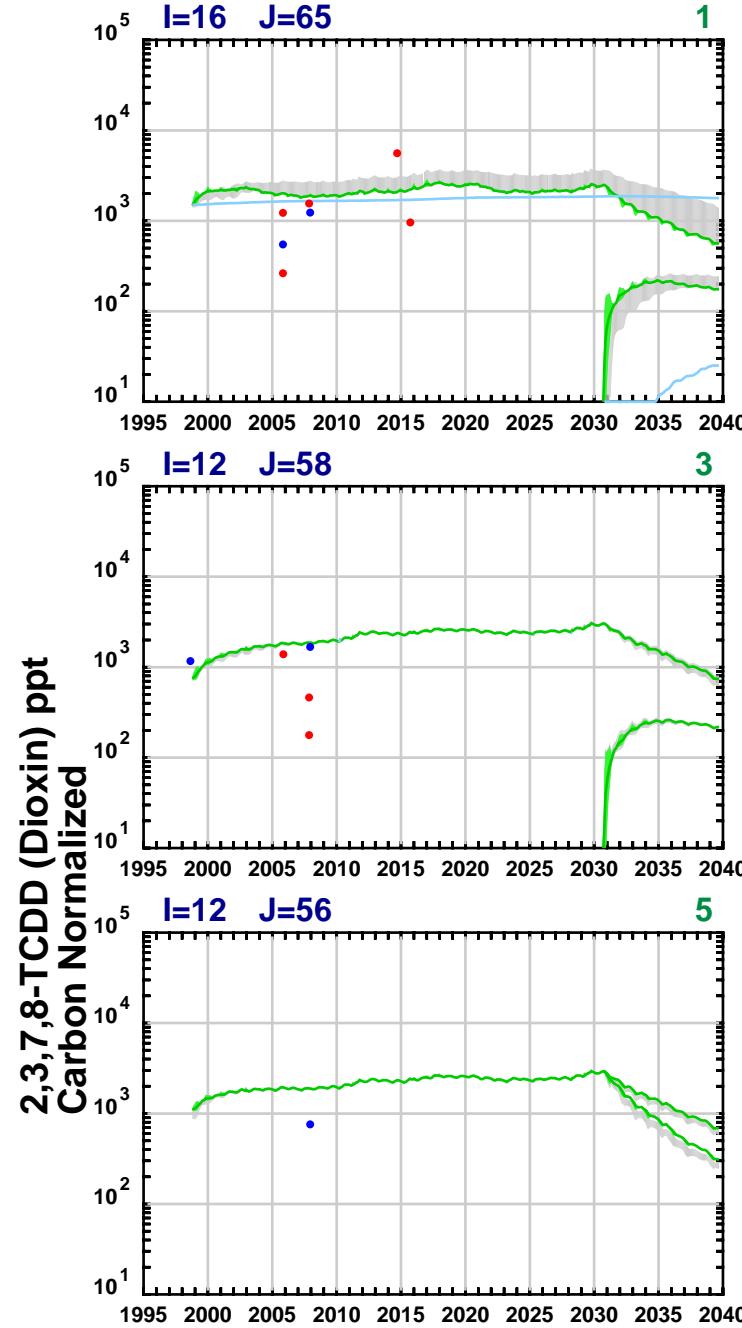
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

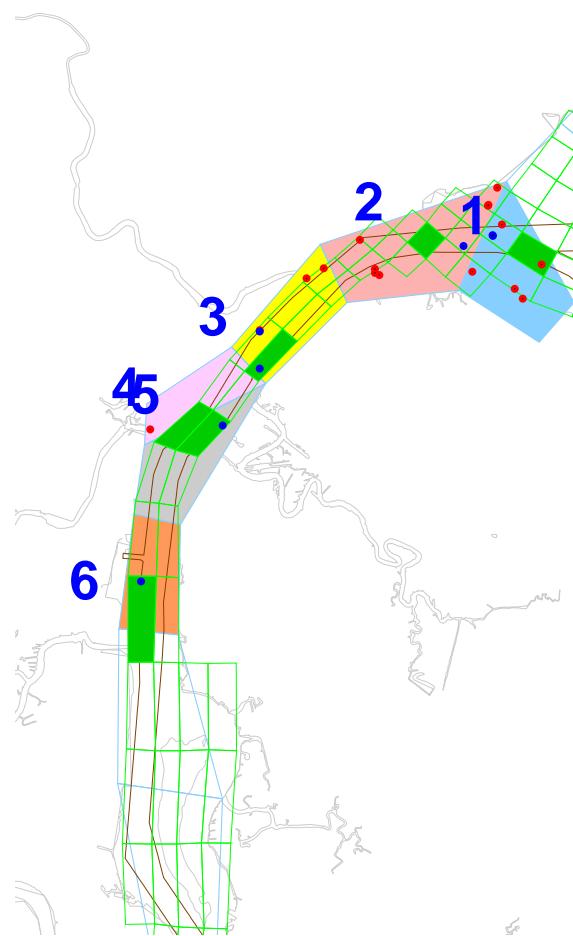
Appendix 1 Page 126 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

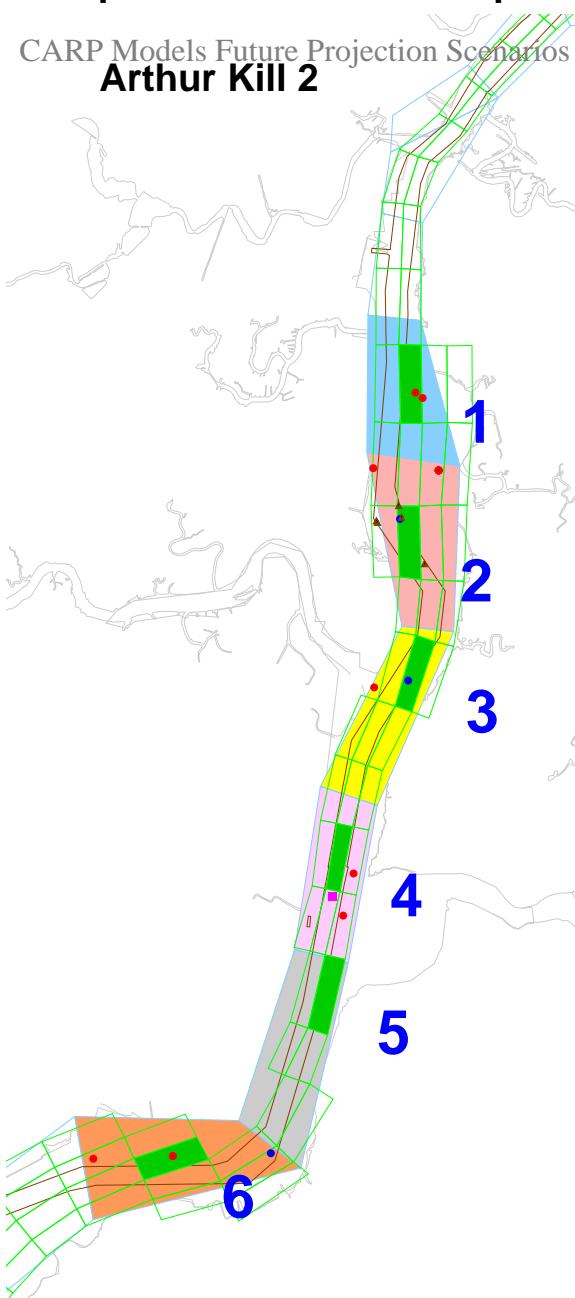
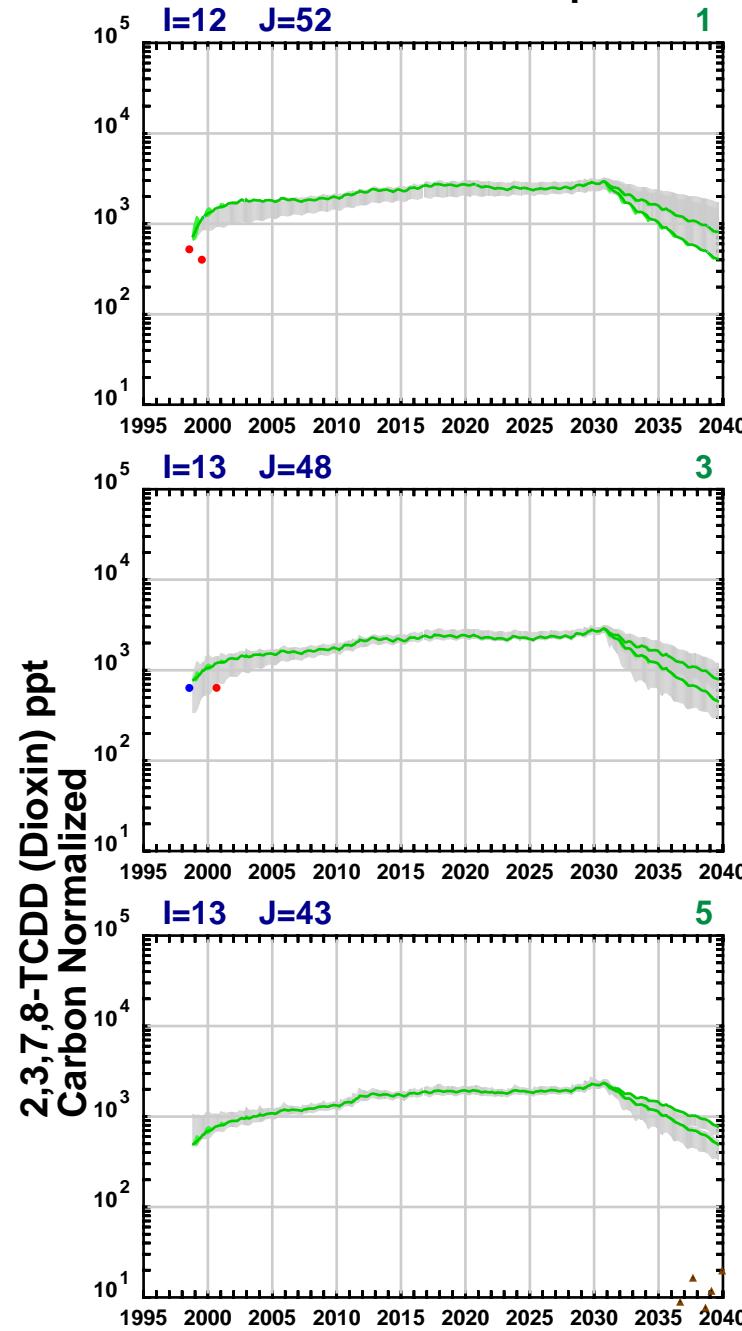
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 127 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

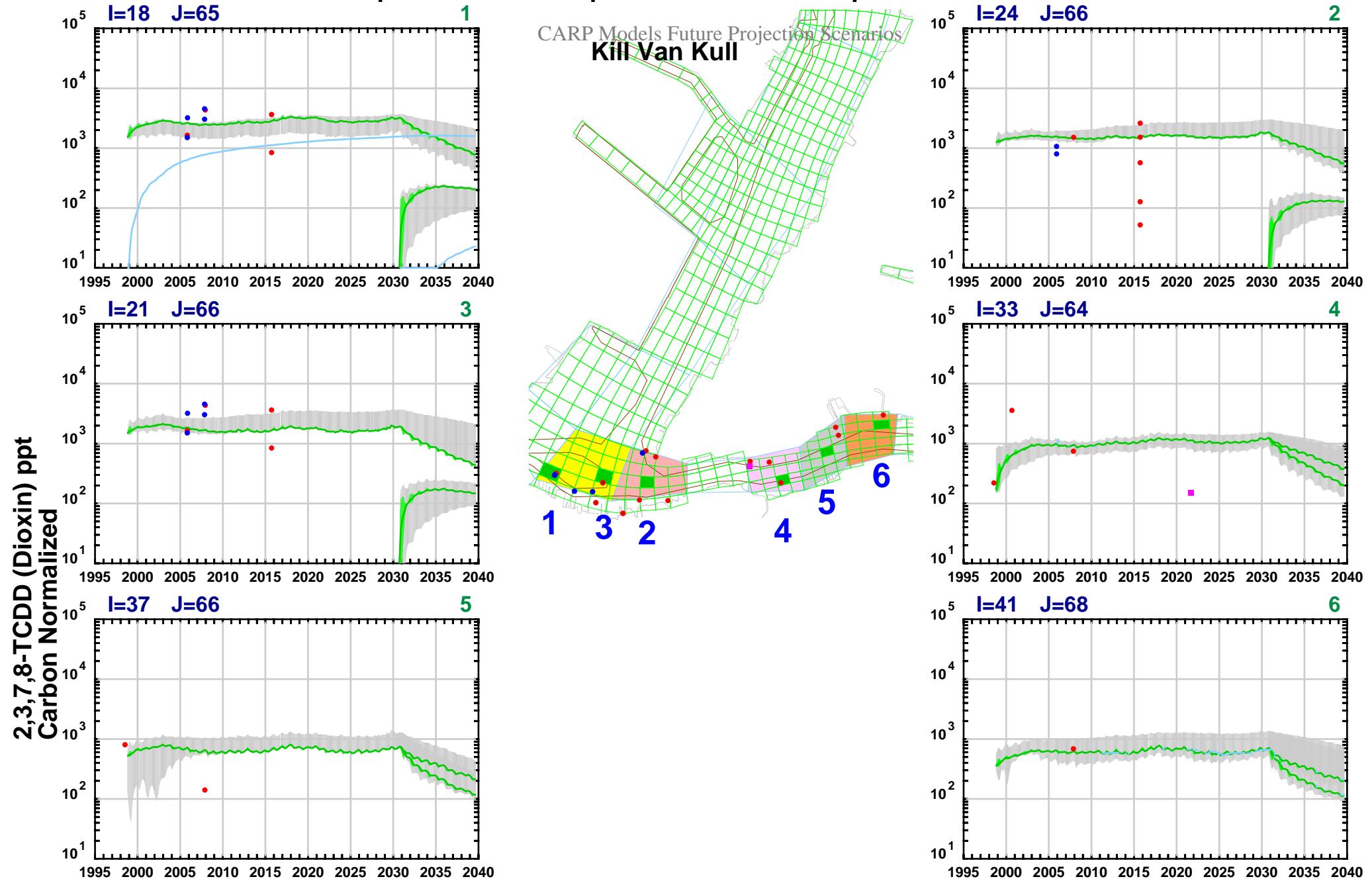
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 128 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

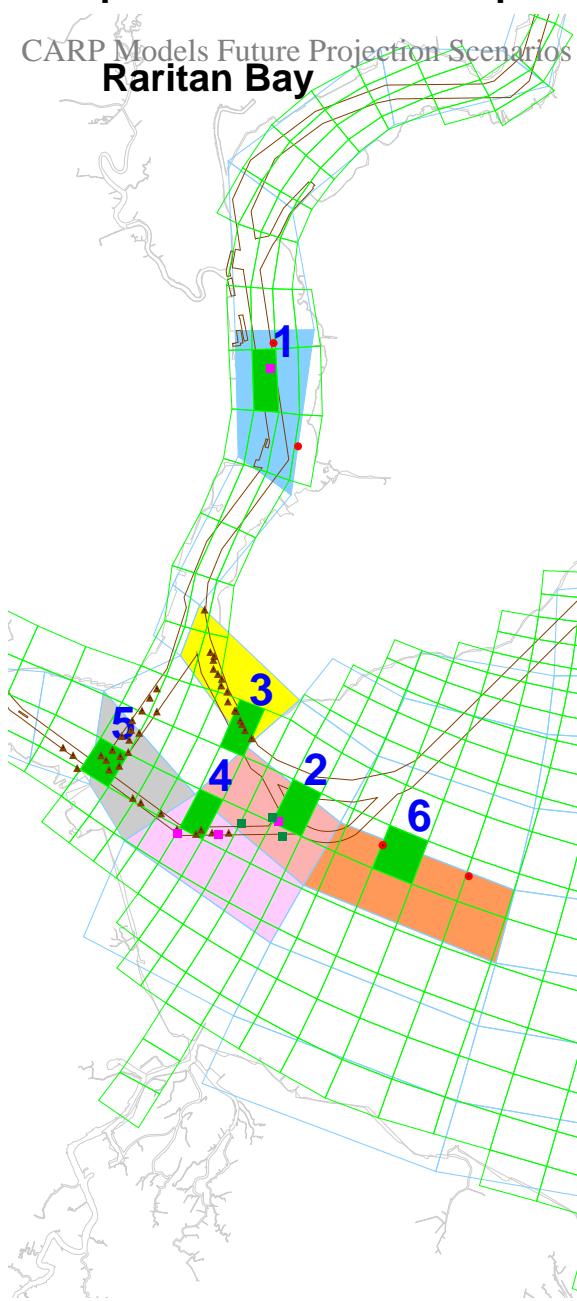
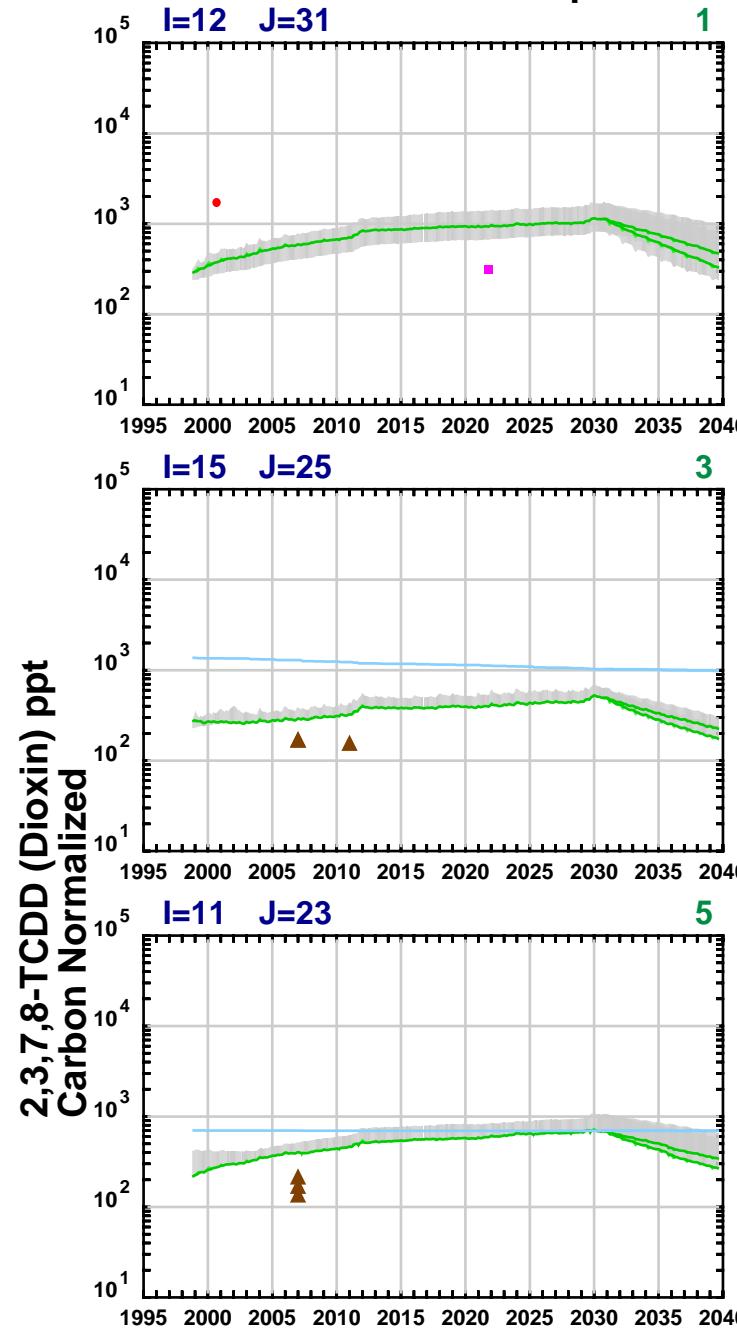
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 129 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

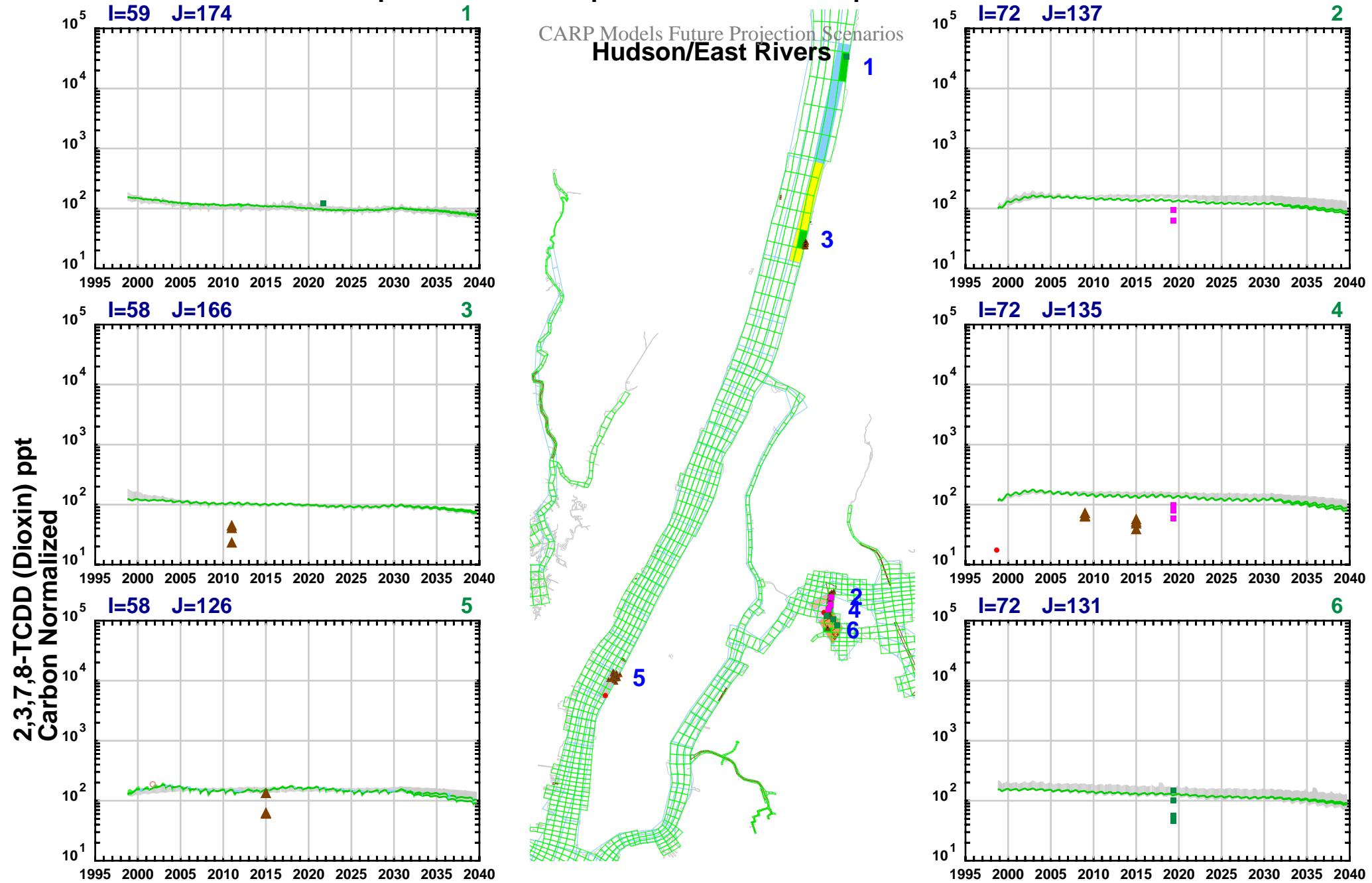
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 130 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

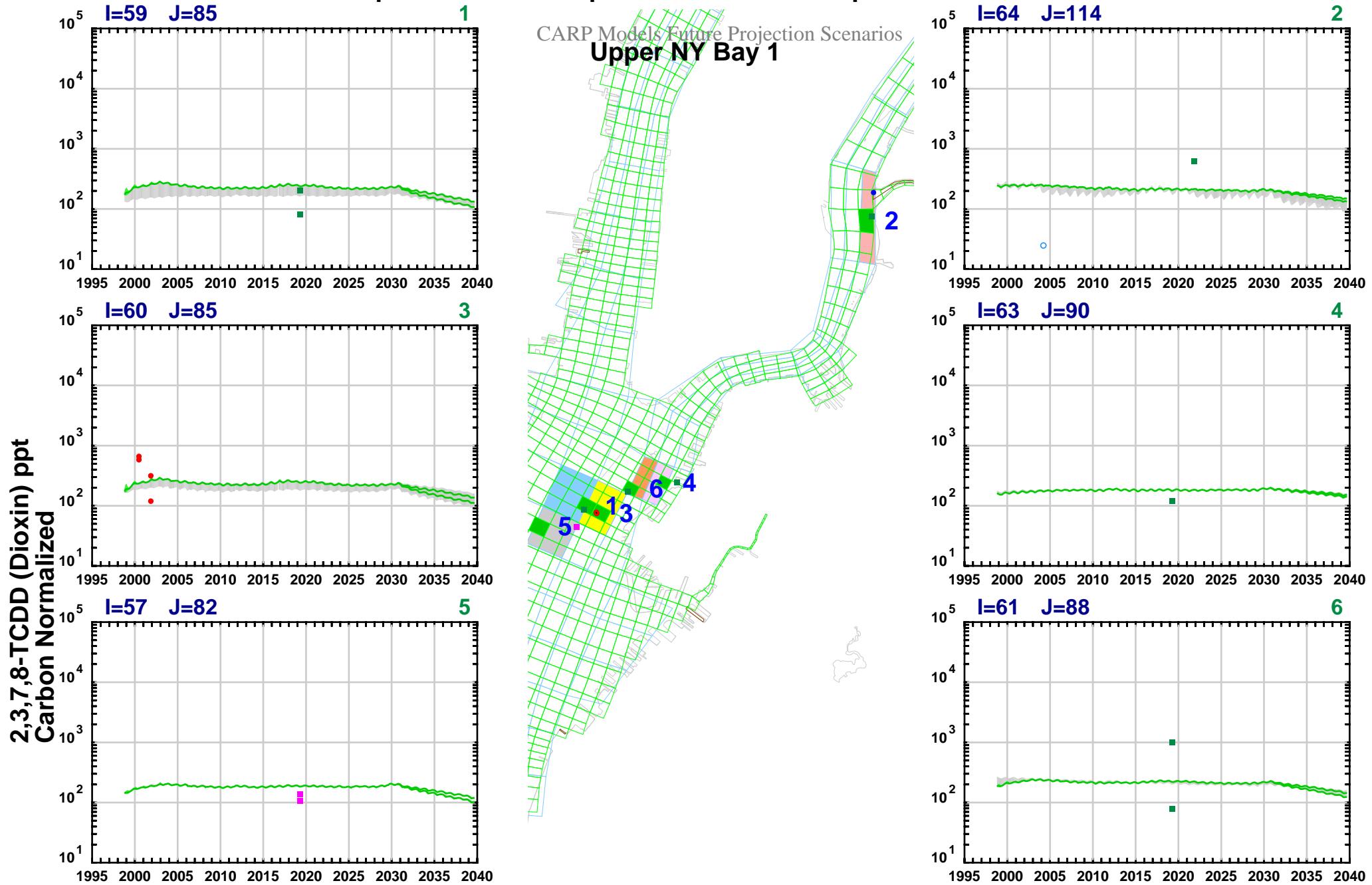
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 131 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

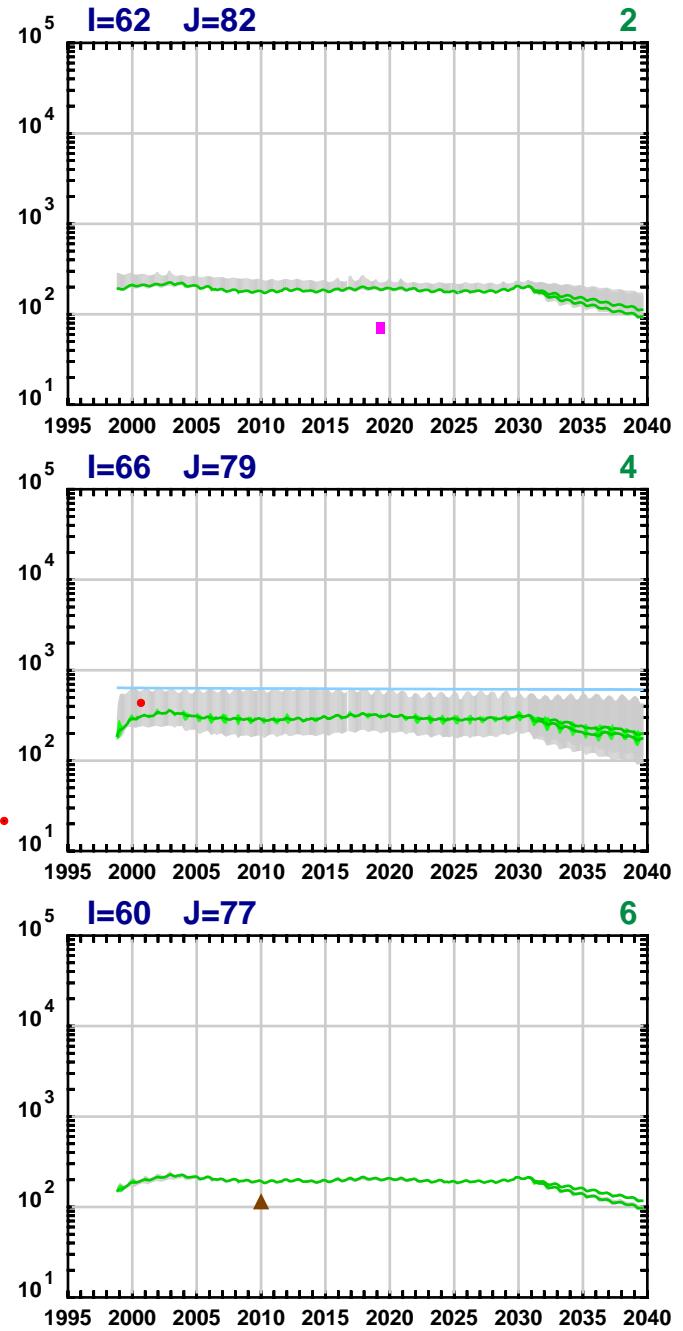
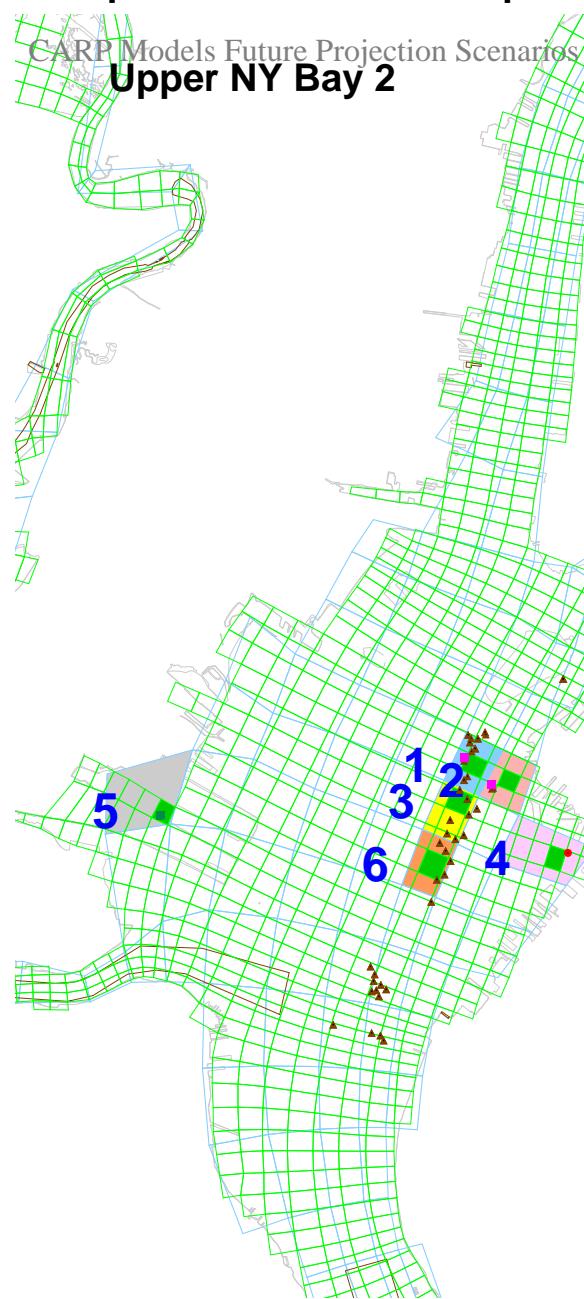
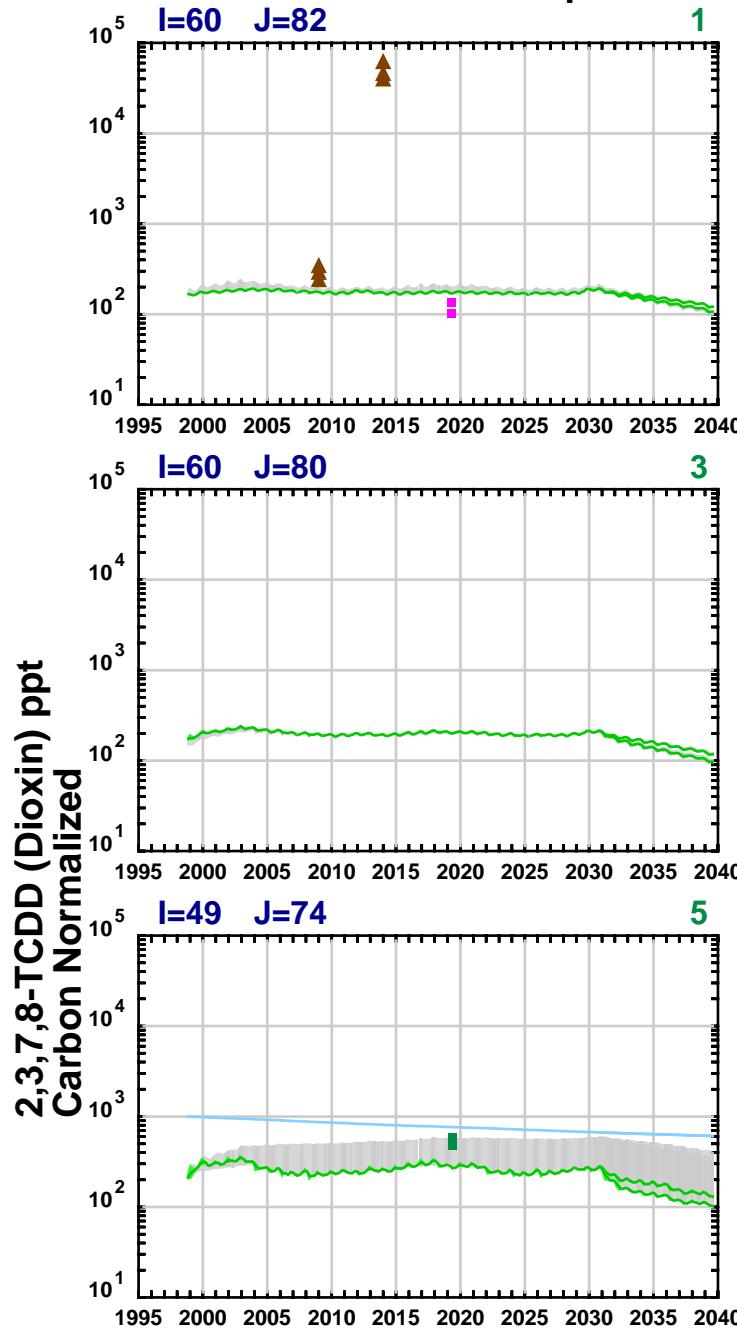
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 132 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

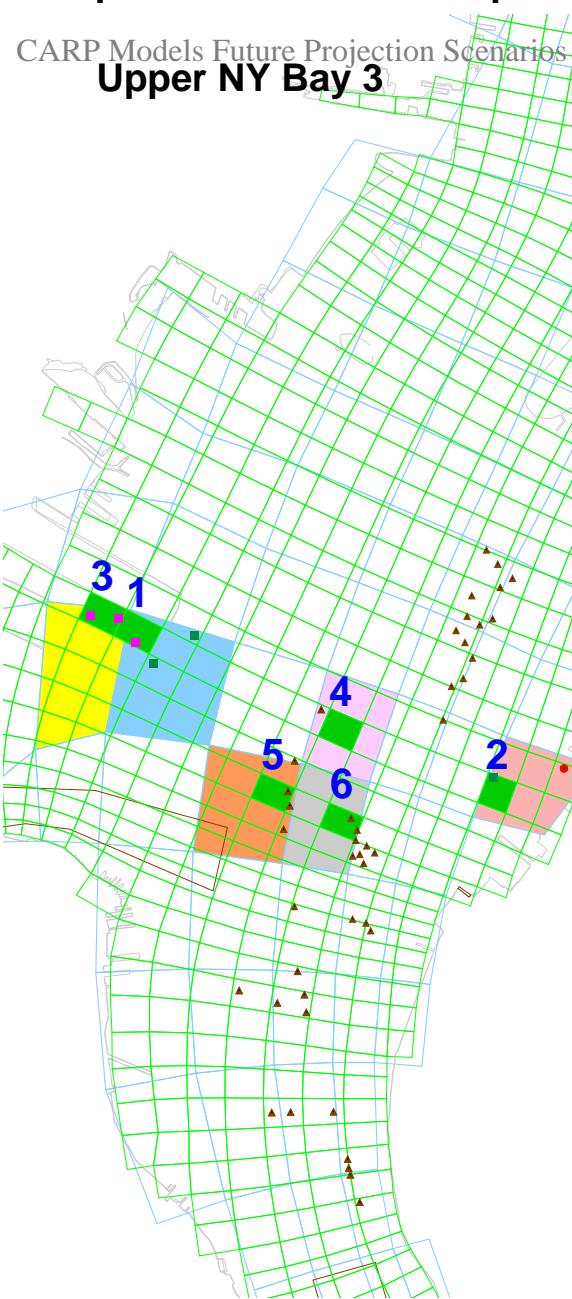
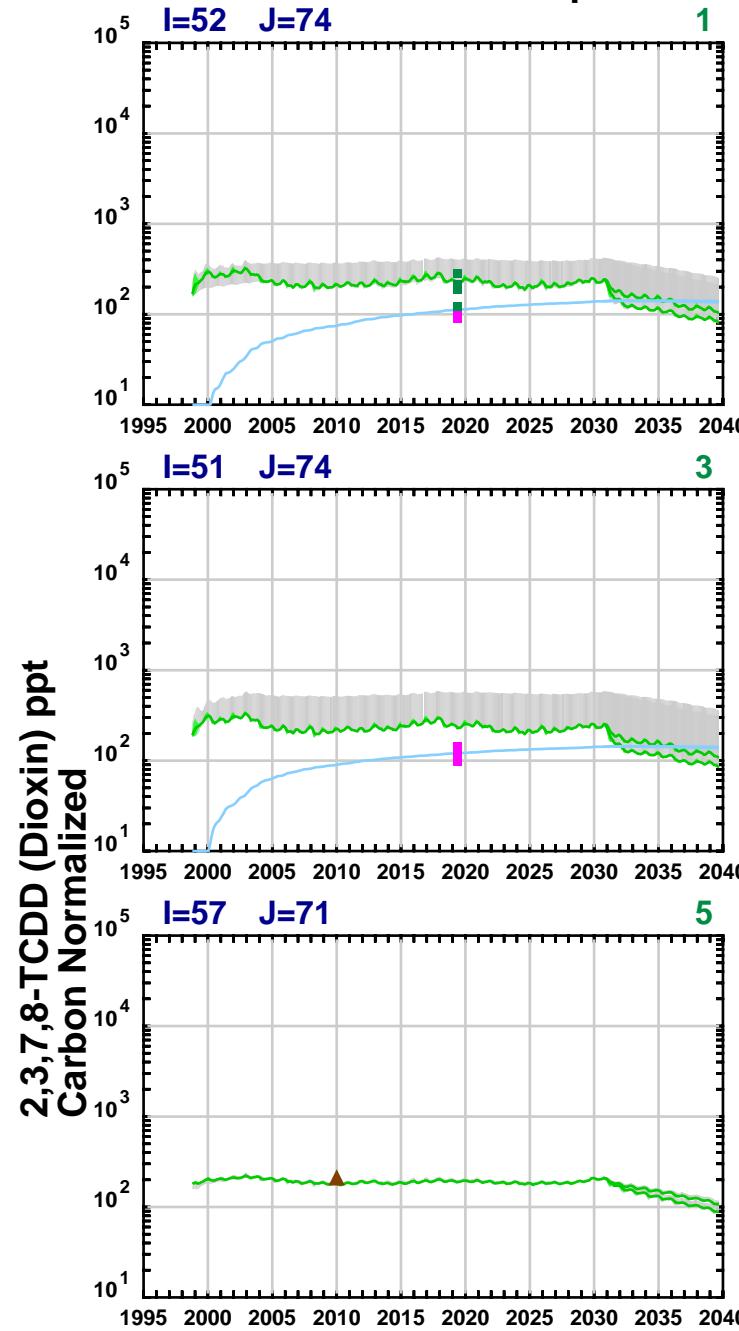
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 133 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

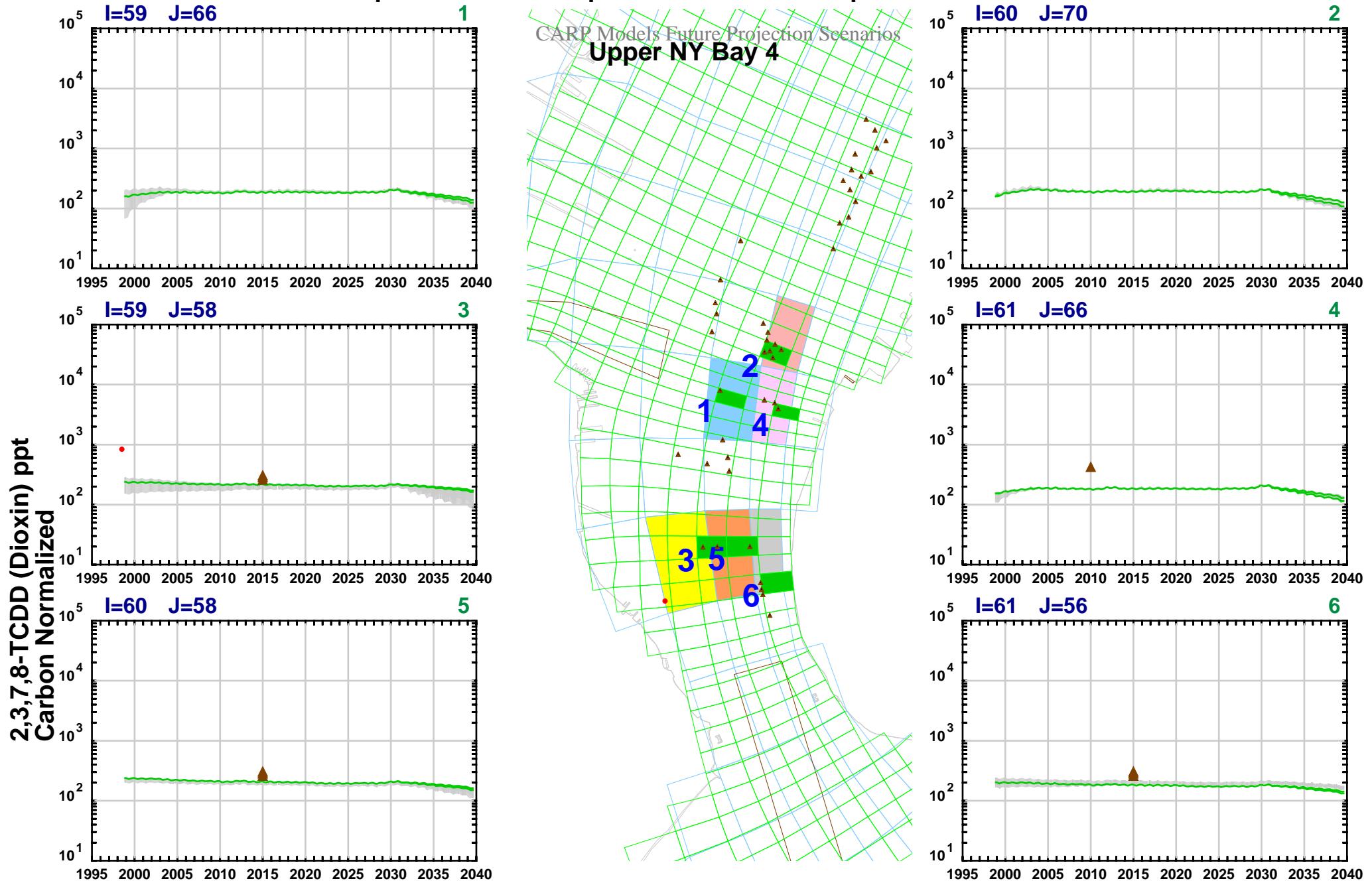
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 134 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

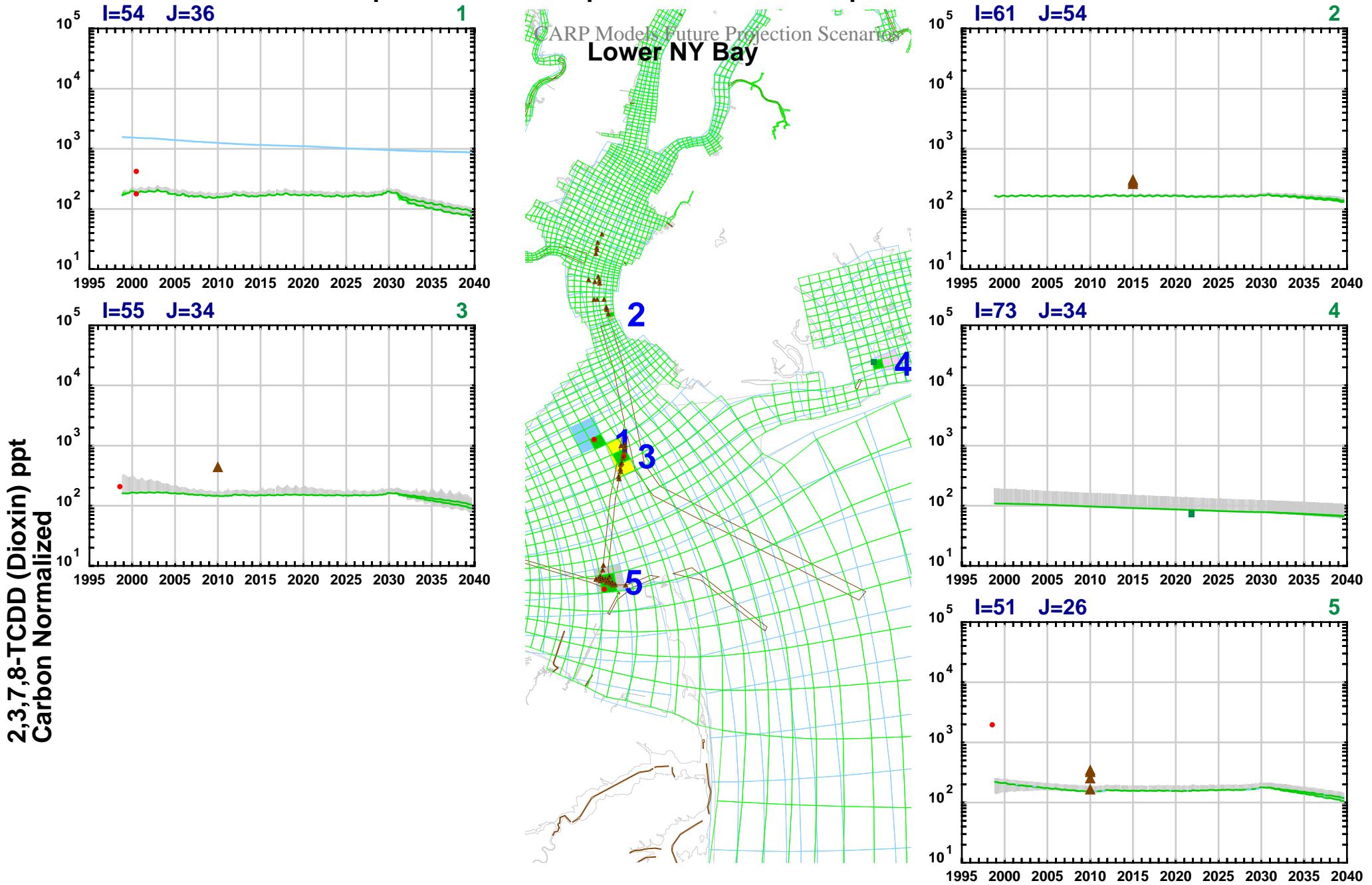
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 135 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

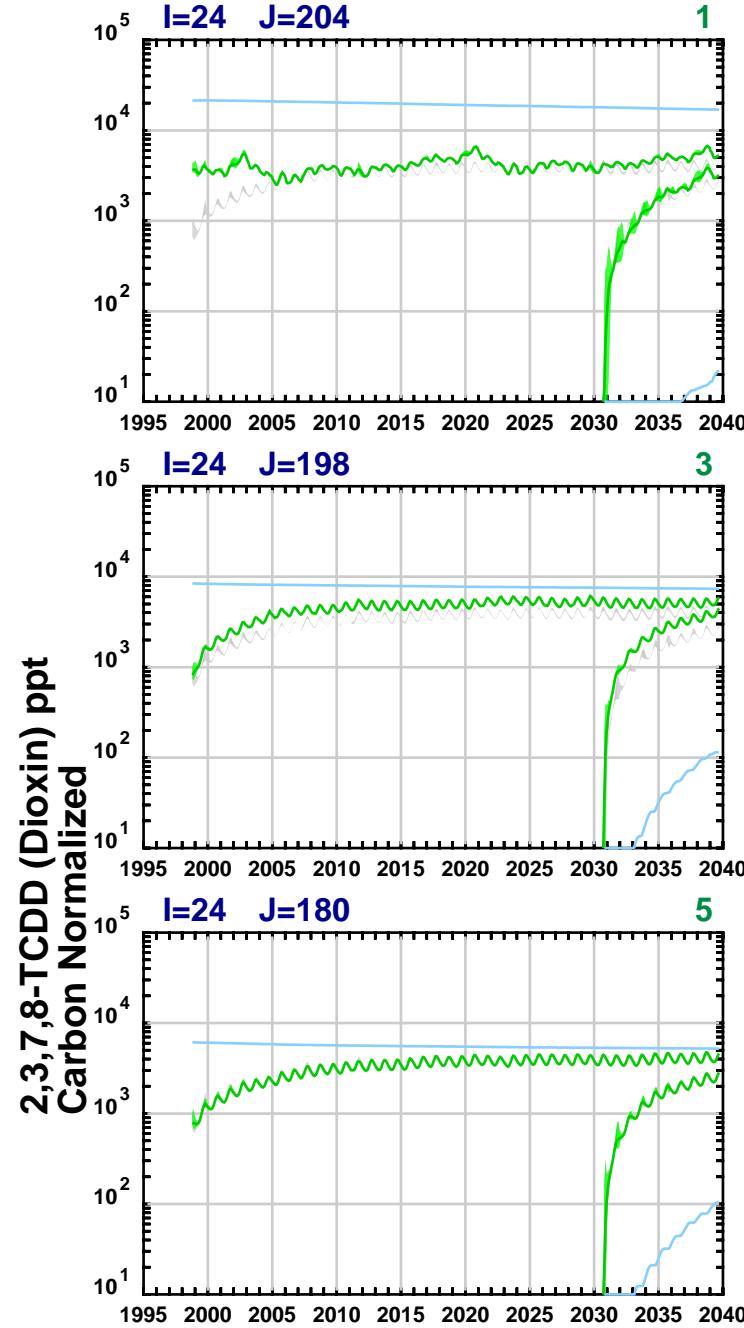
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

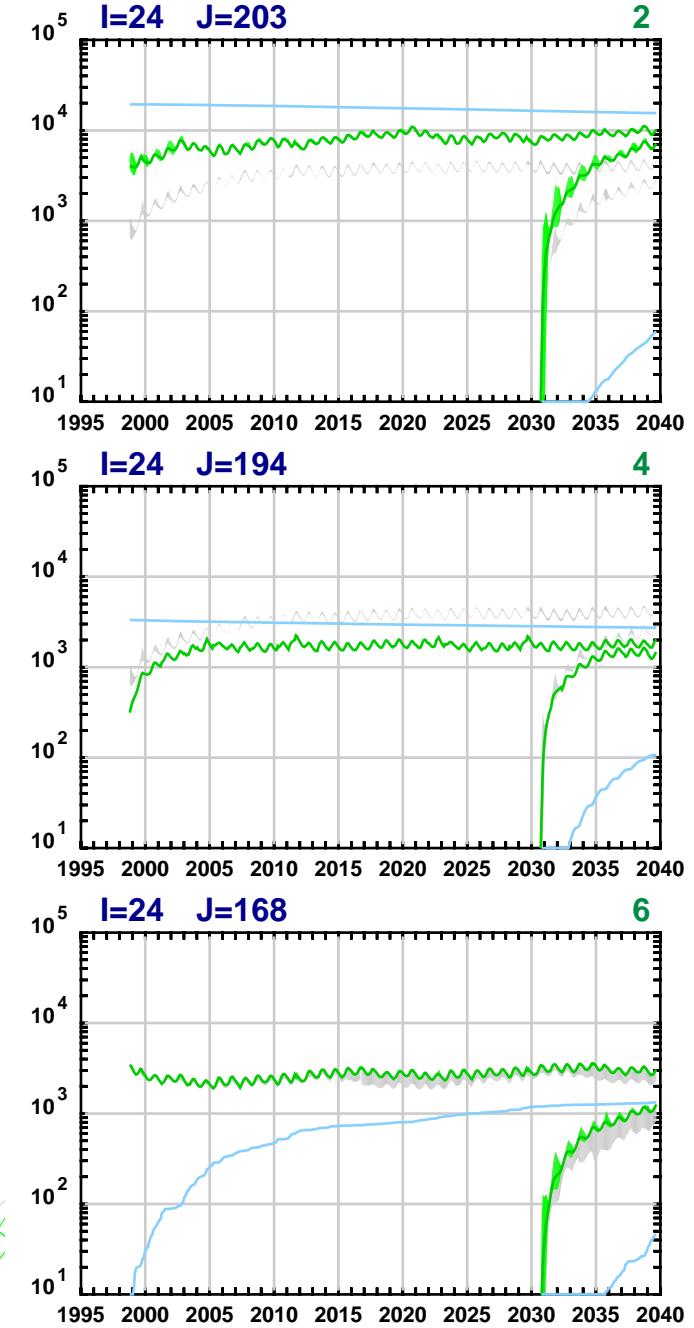
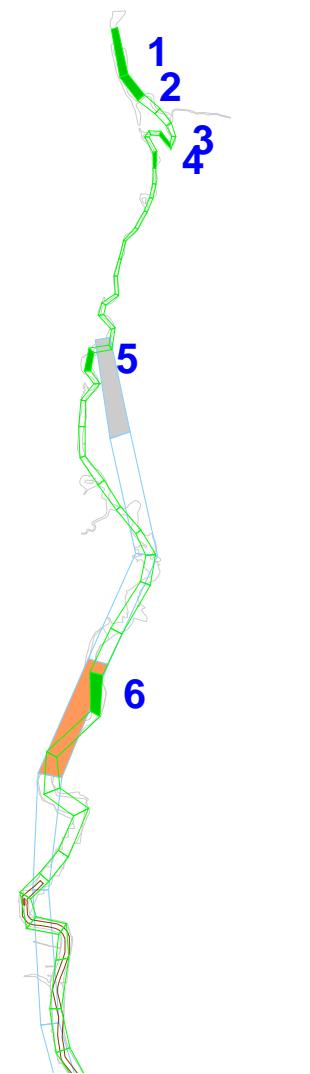
Appendix 1 Page 136 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

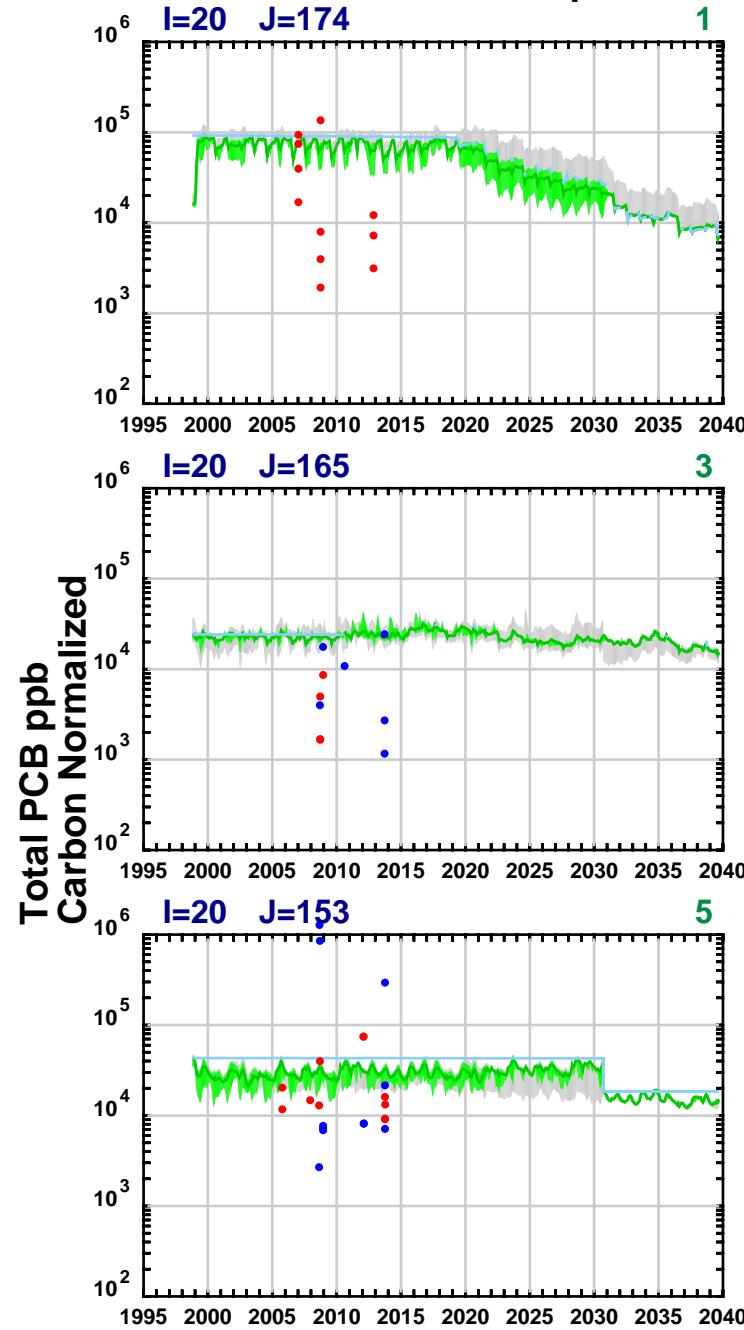
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

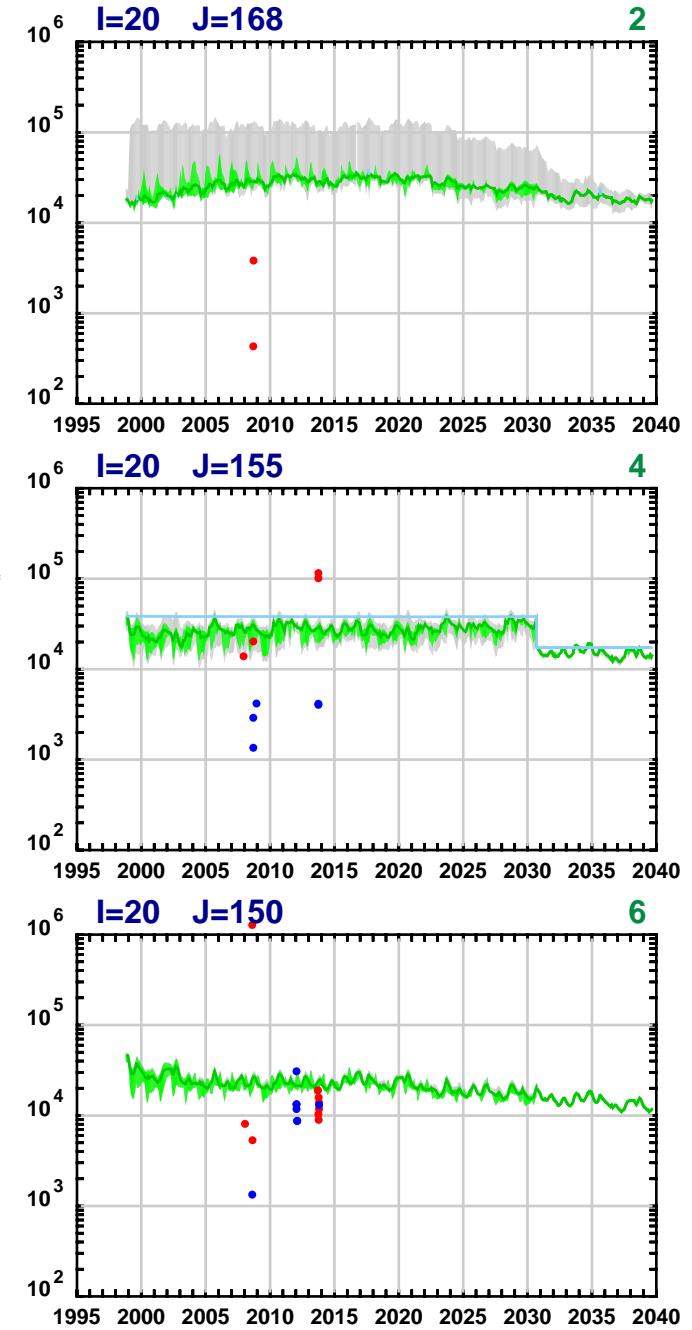
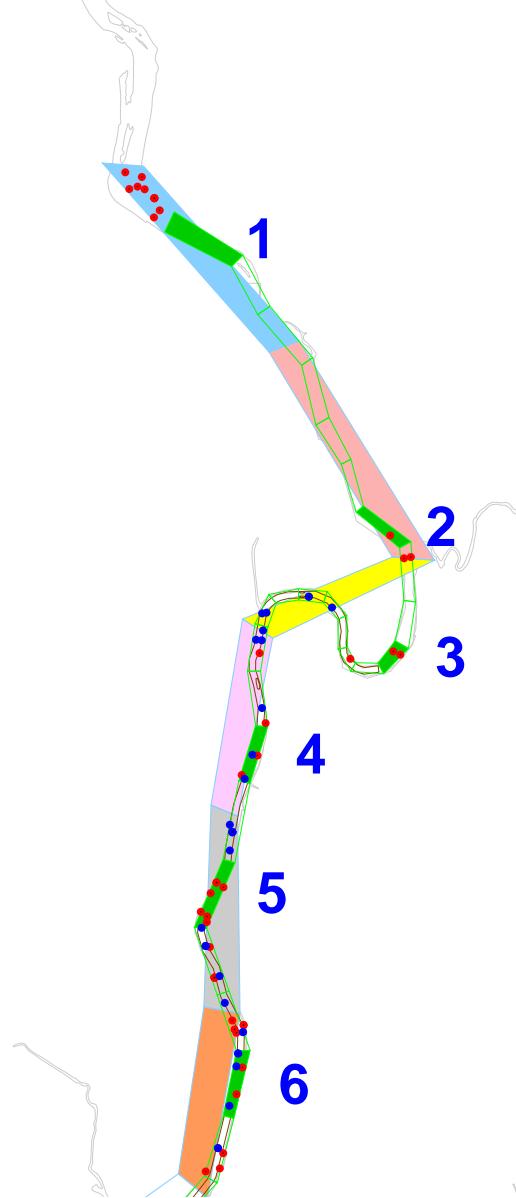
Appendix 1 Page 137 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

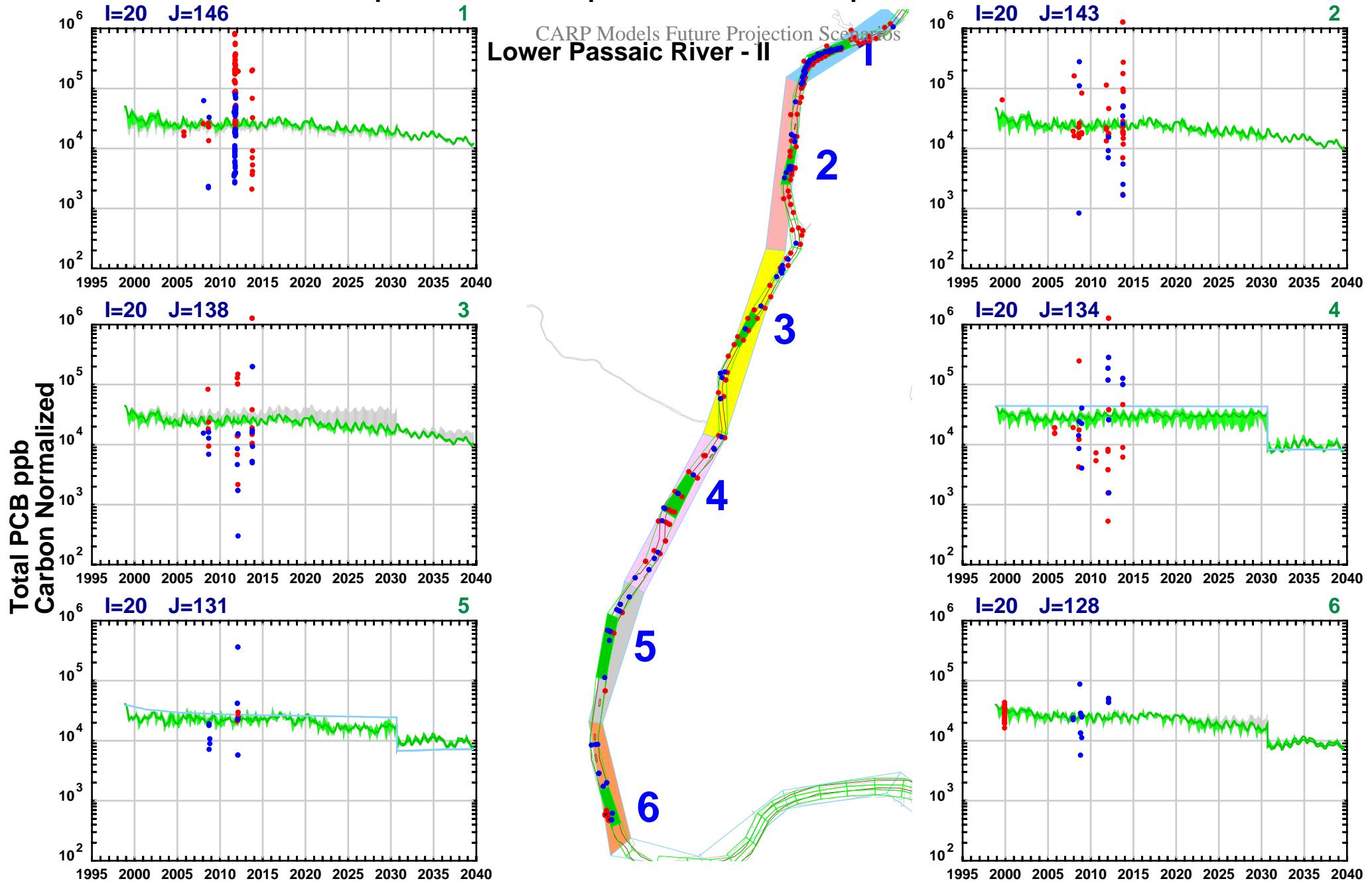
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

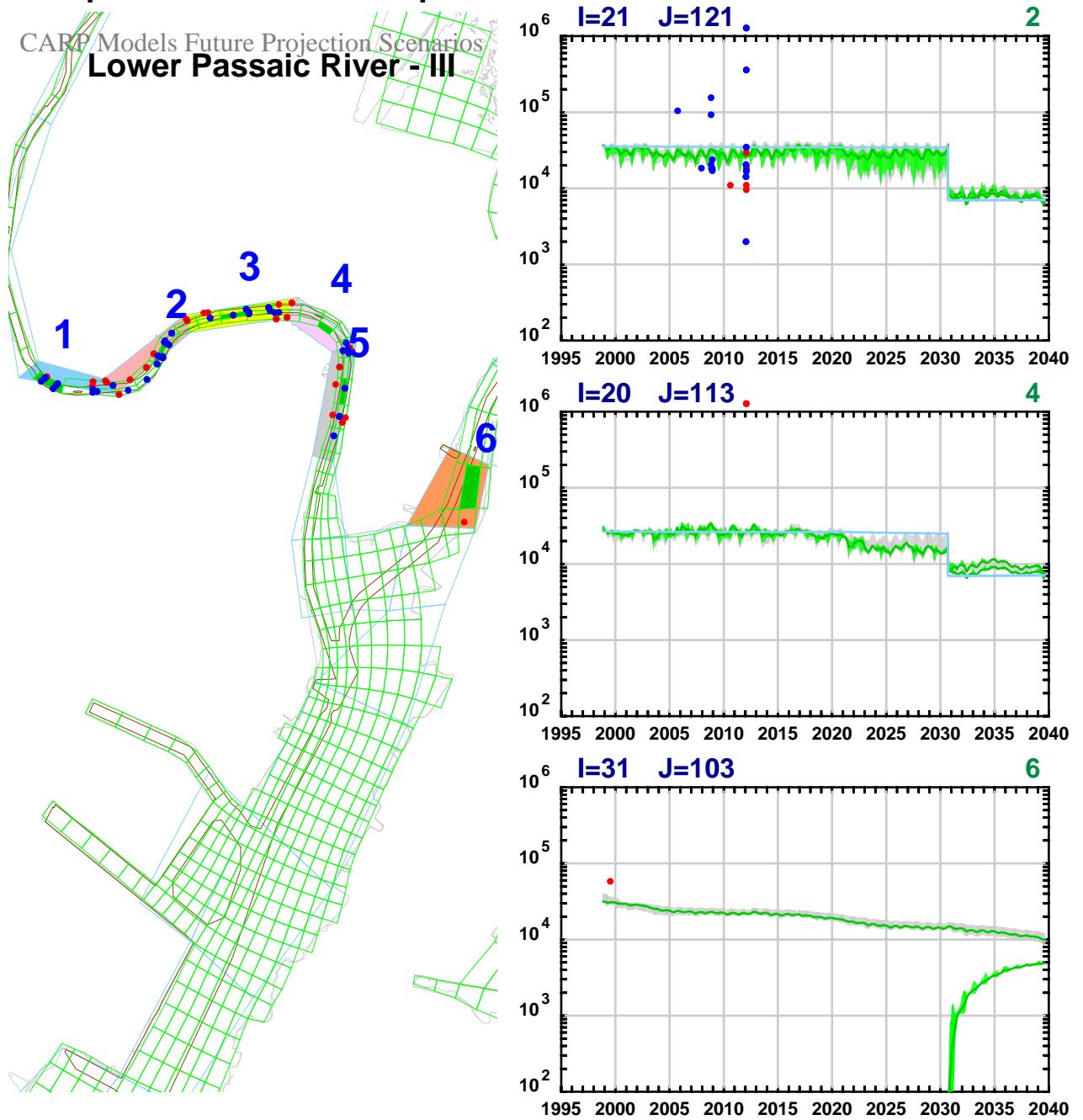
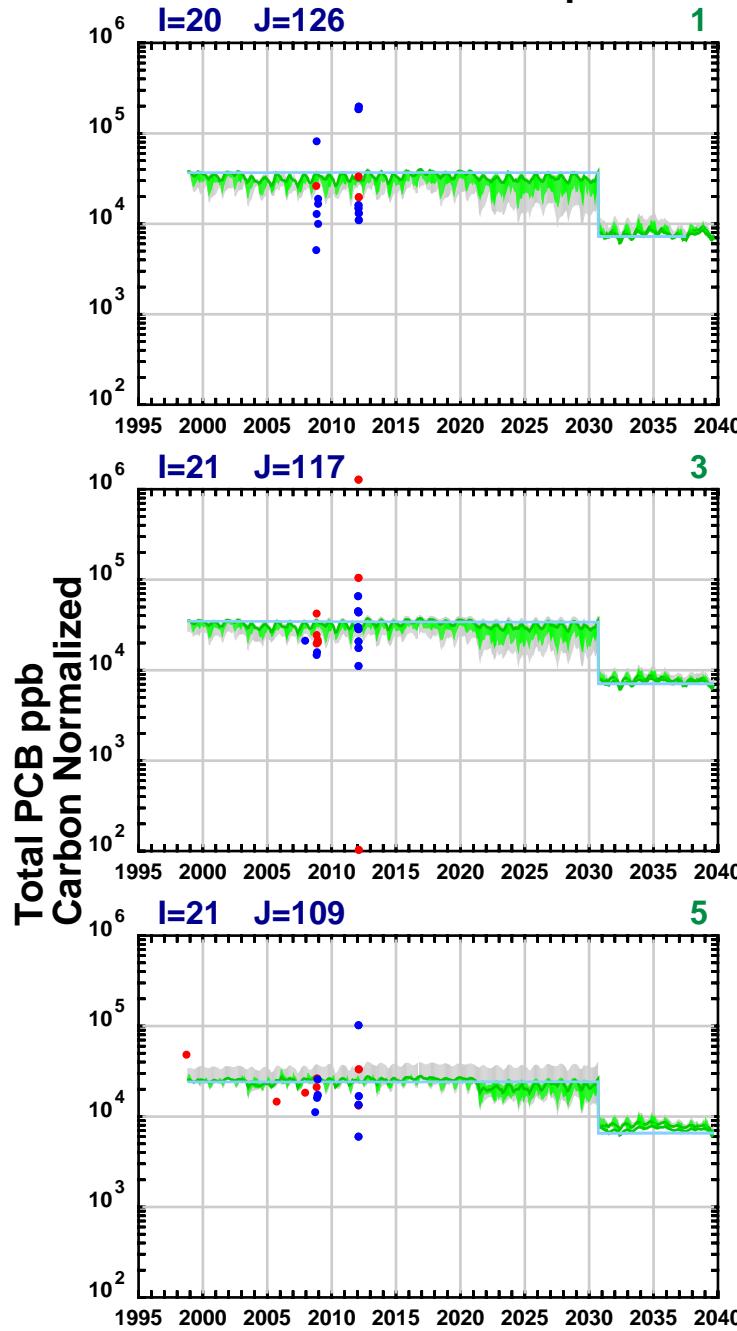
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 139 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

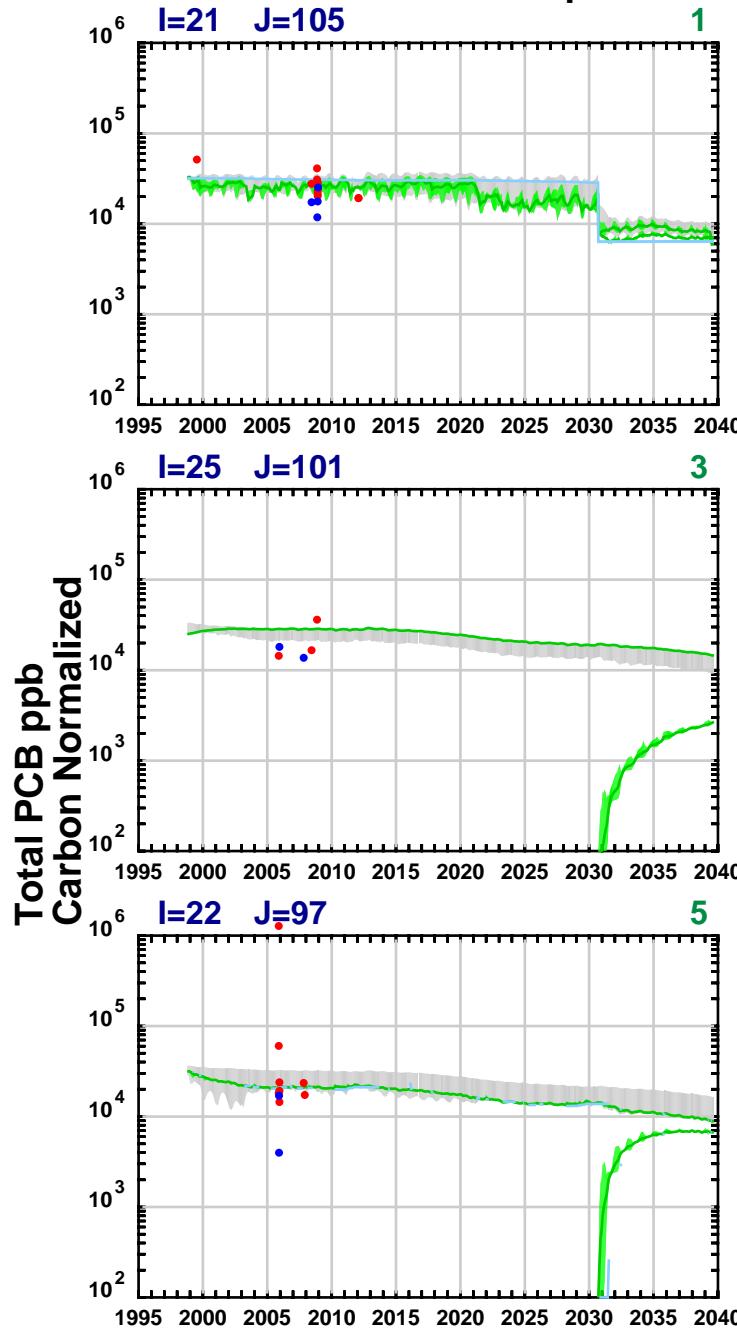
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

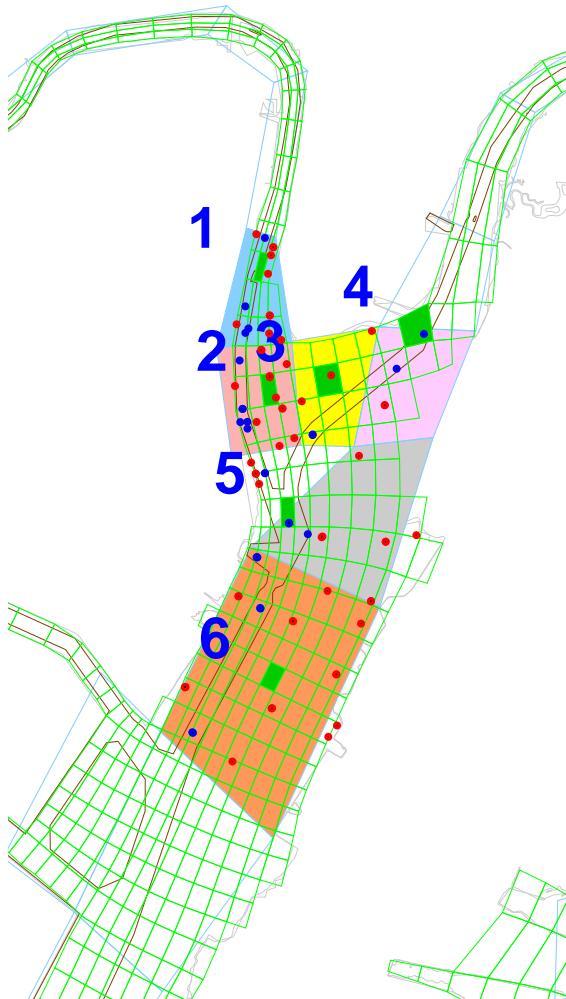
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● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

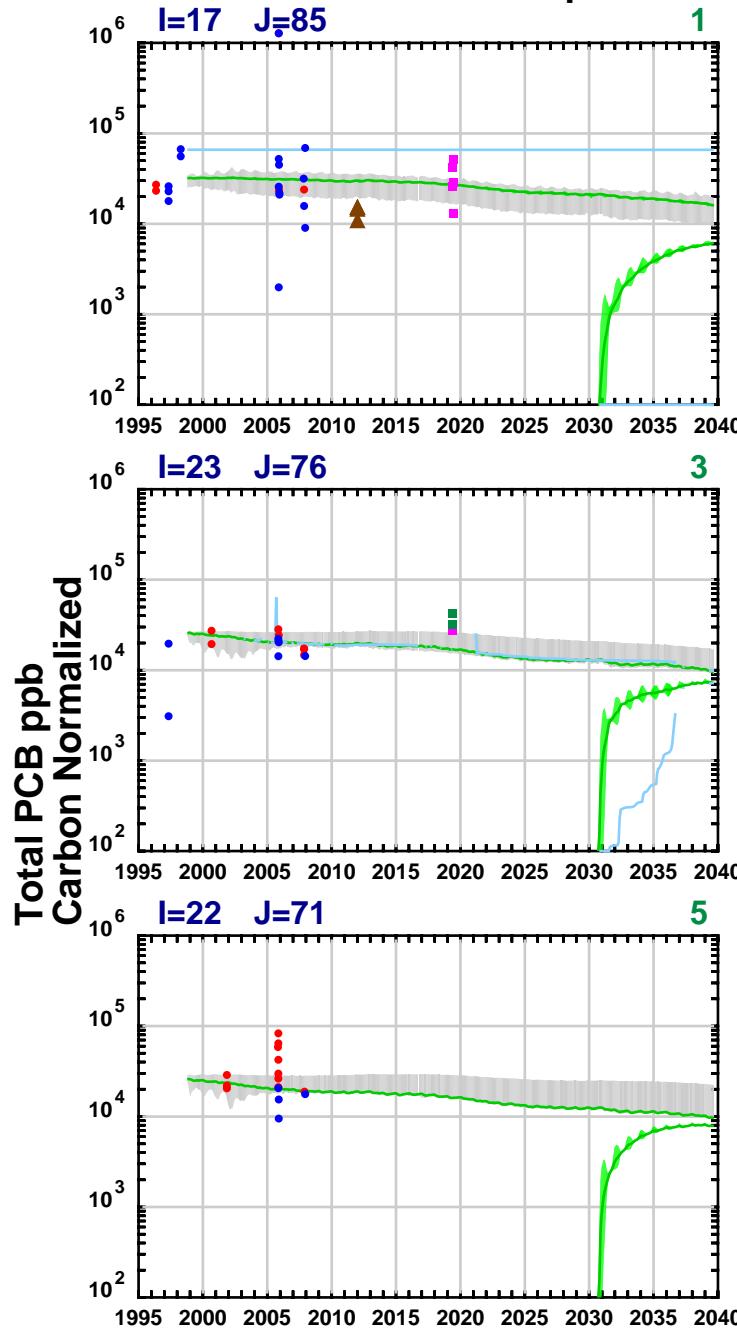
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

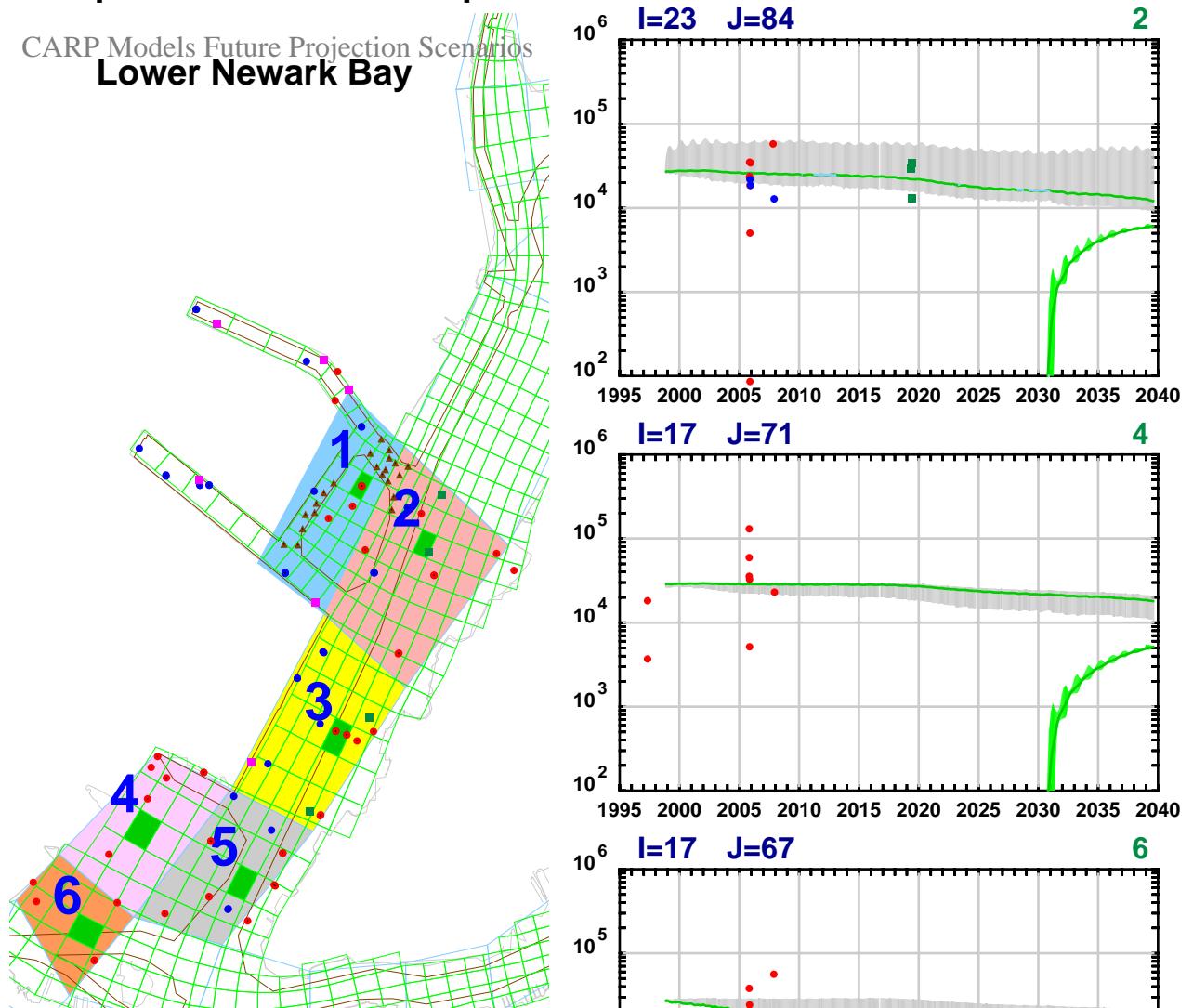
Appendix 1 Page 141 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

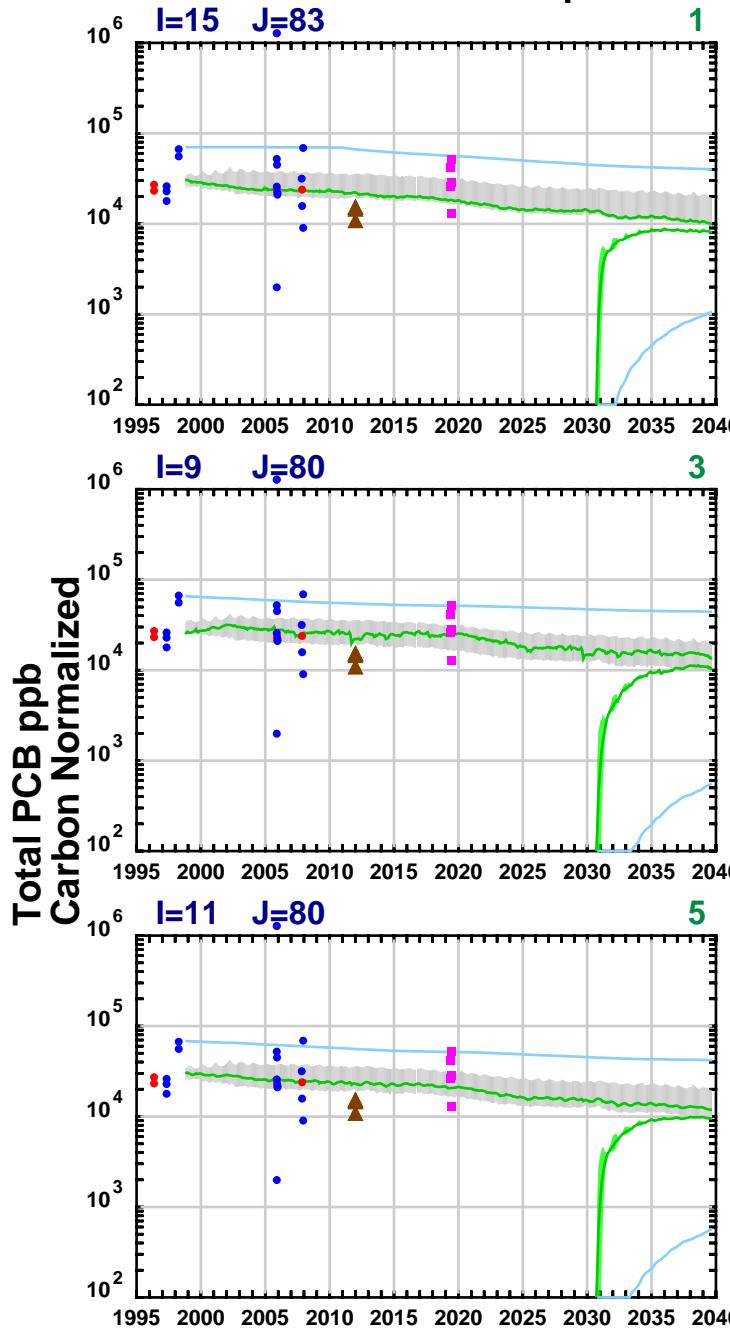
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

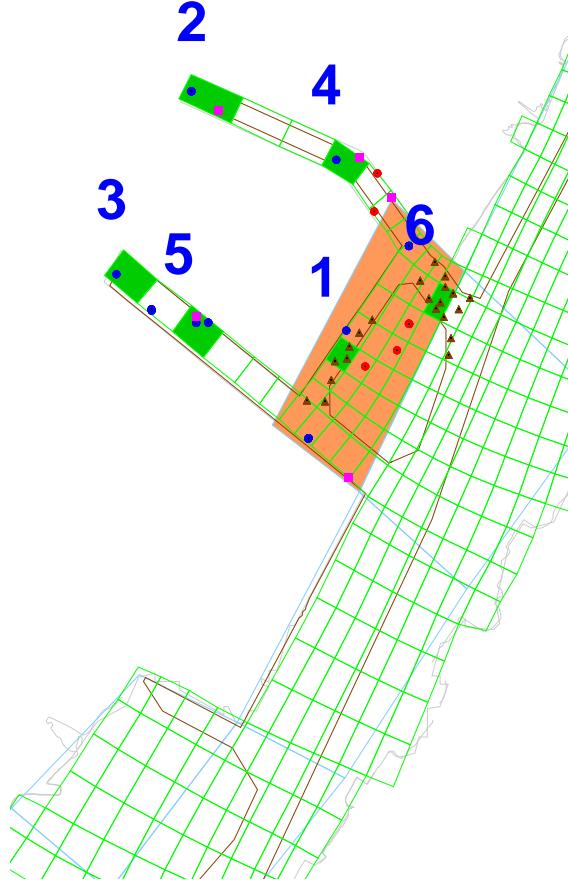
Appendix 1 Page 142 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

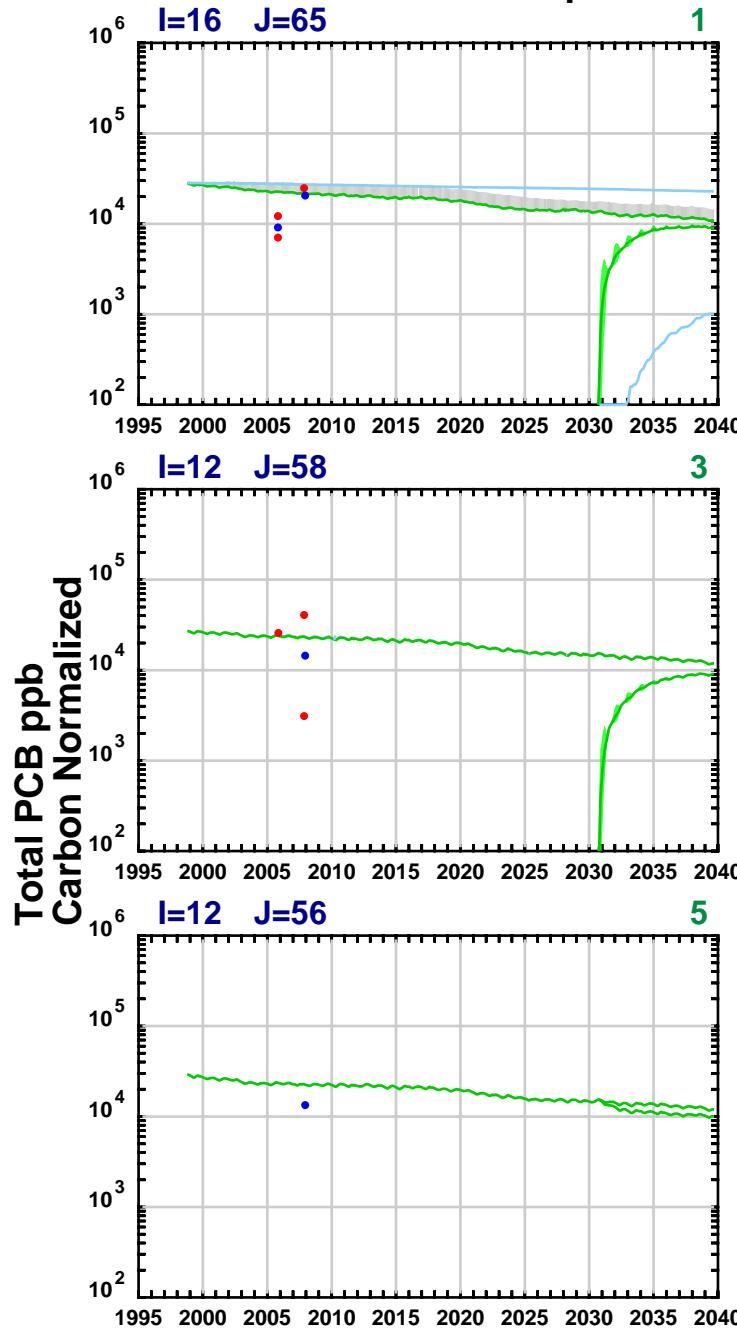
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

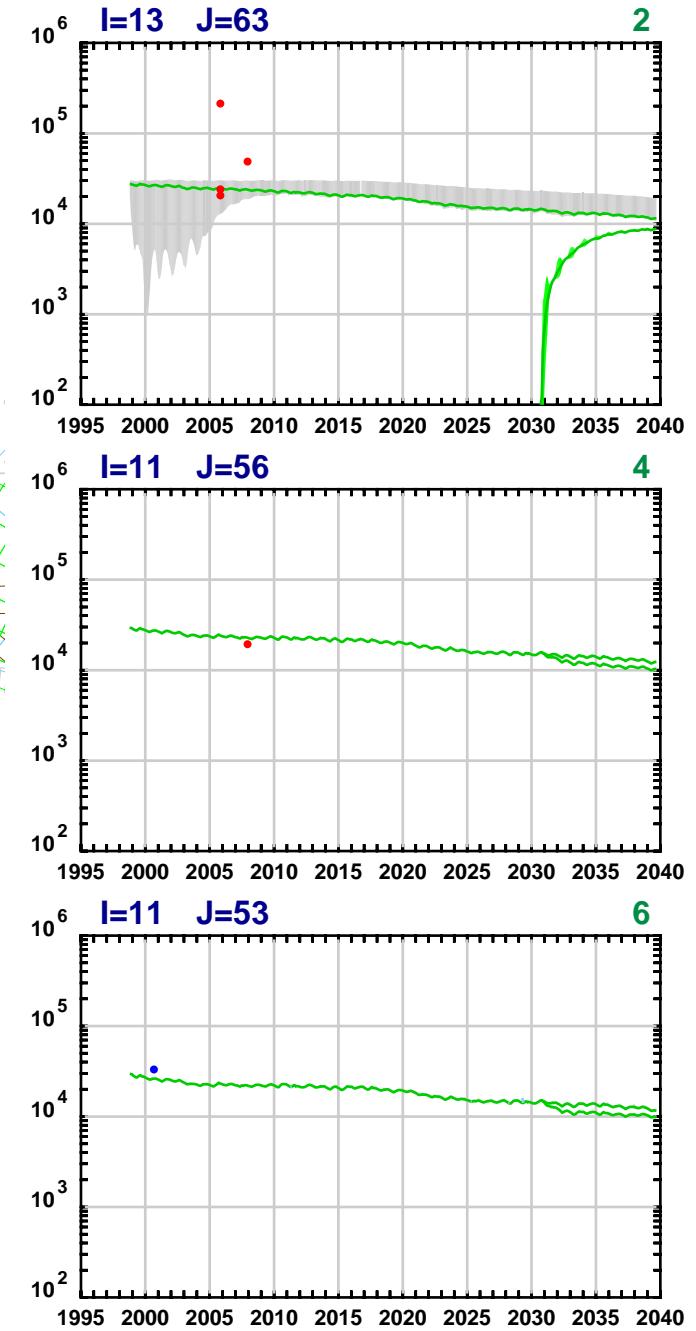
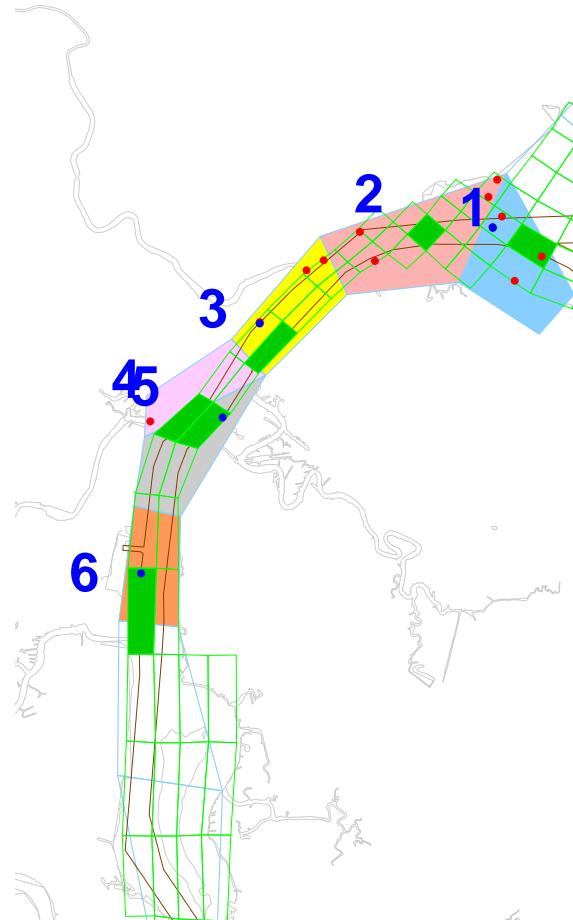
Appendix 1 Page 143 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

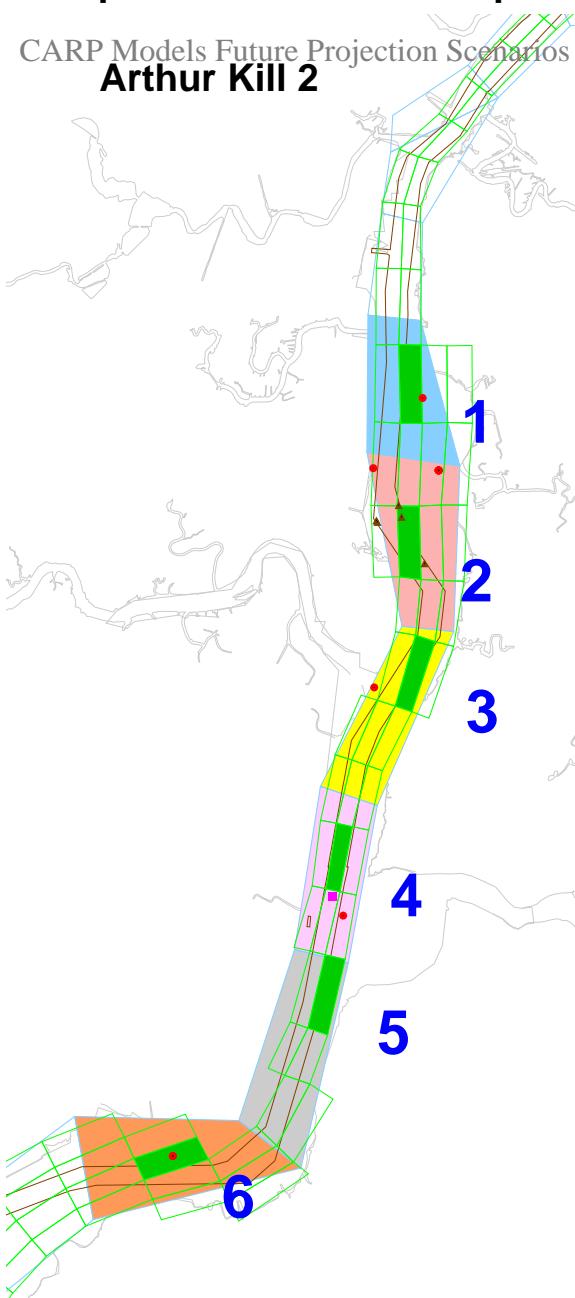
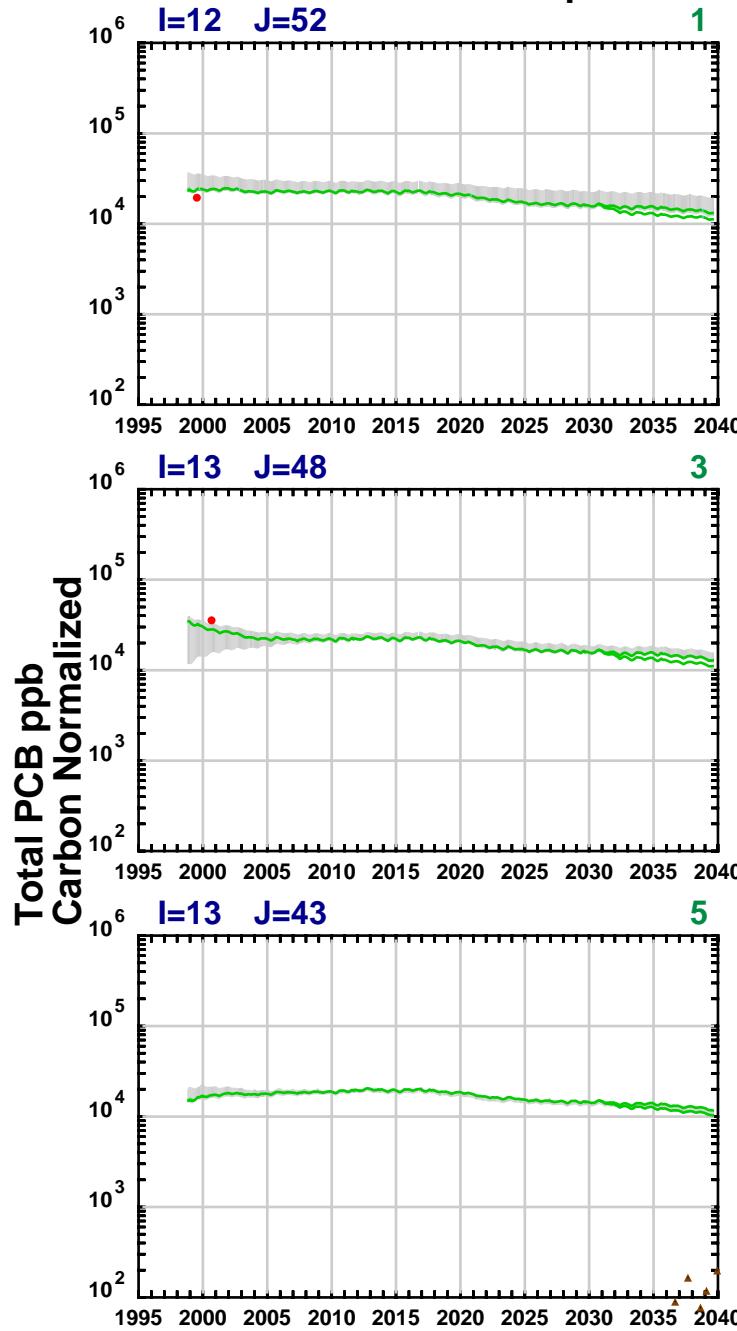
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

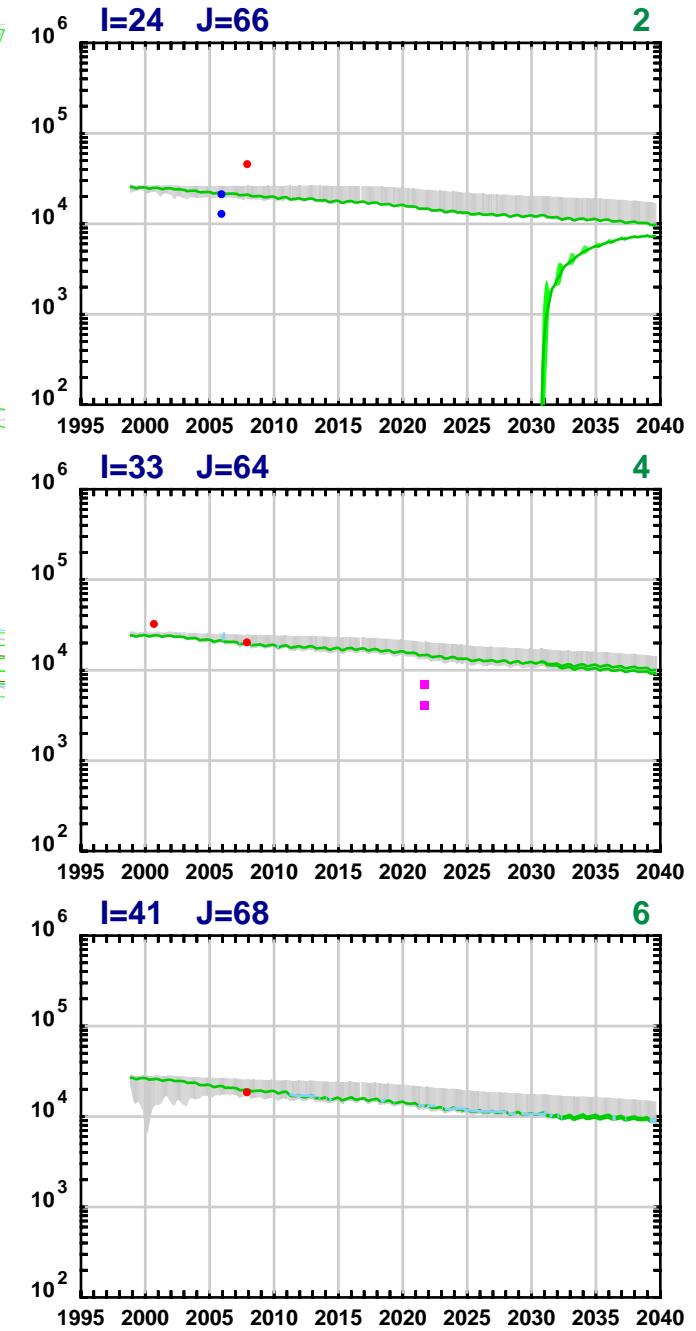
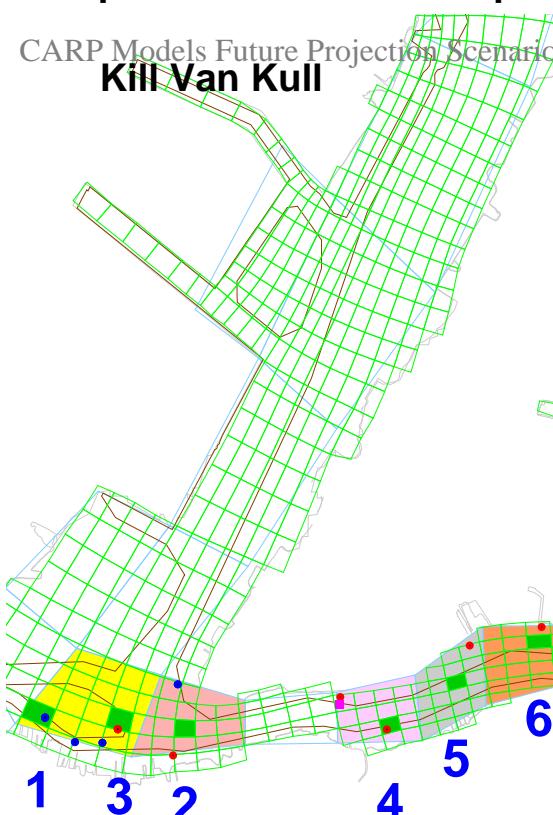
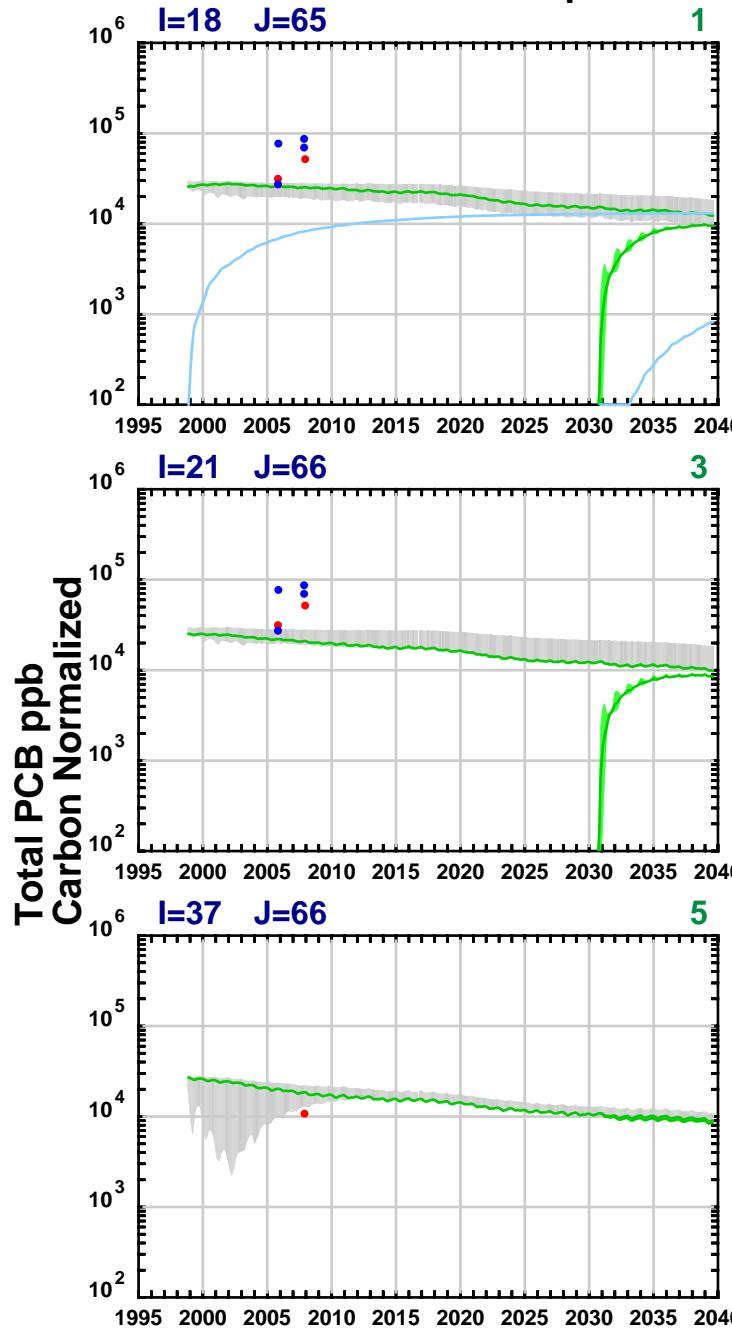
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

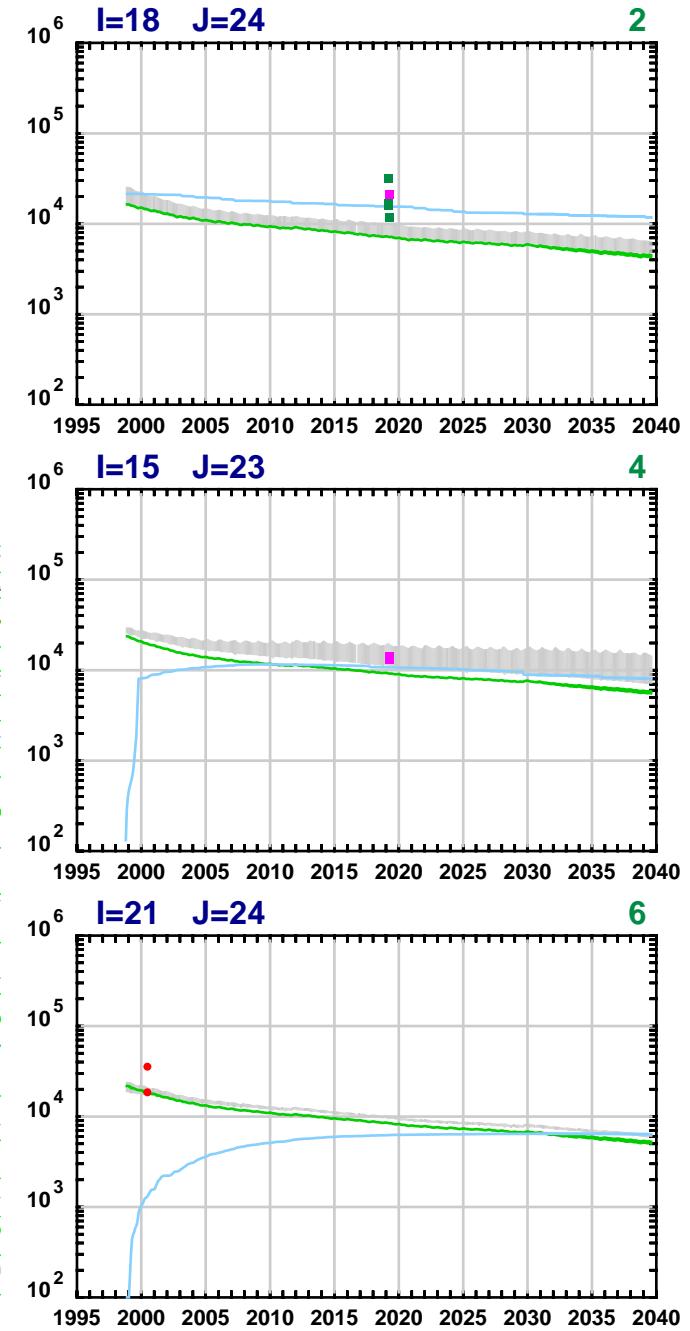
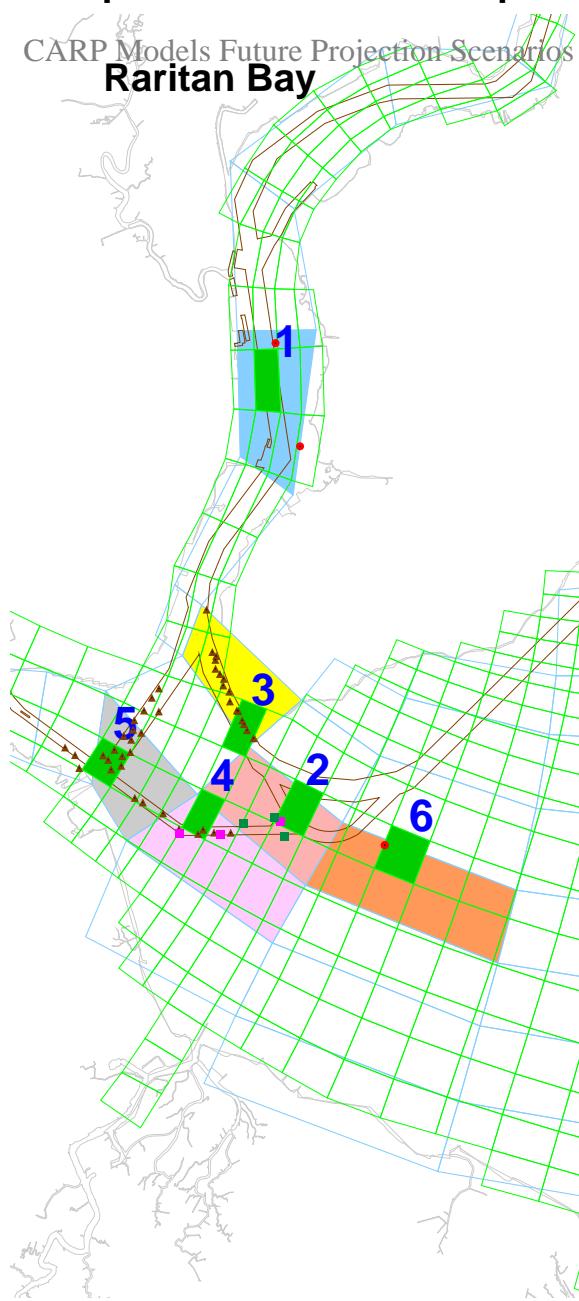
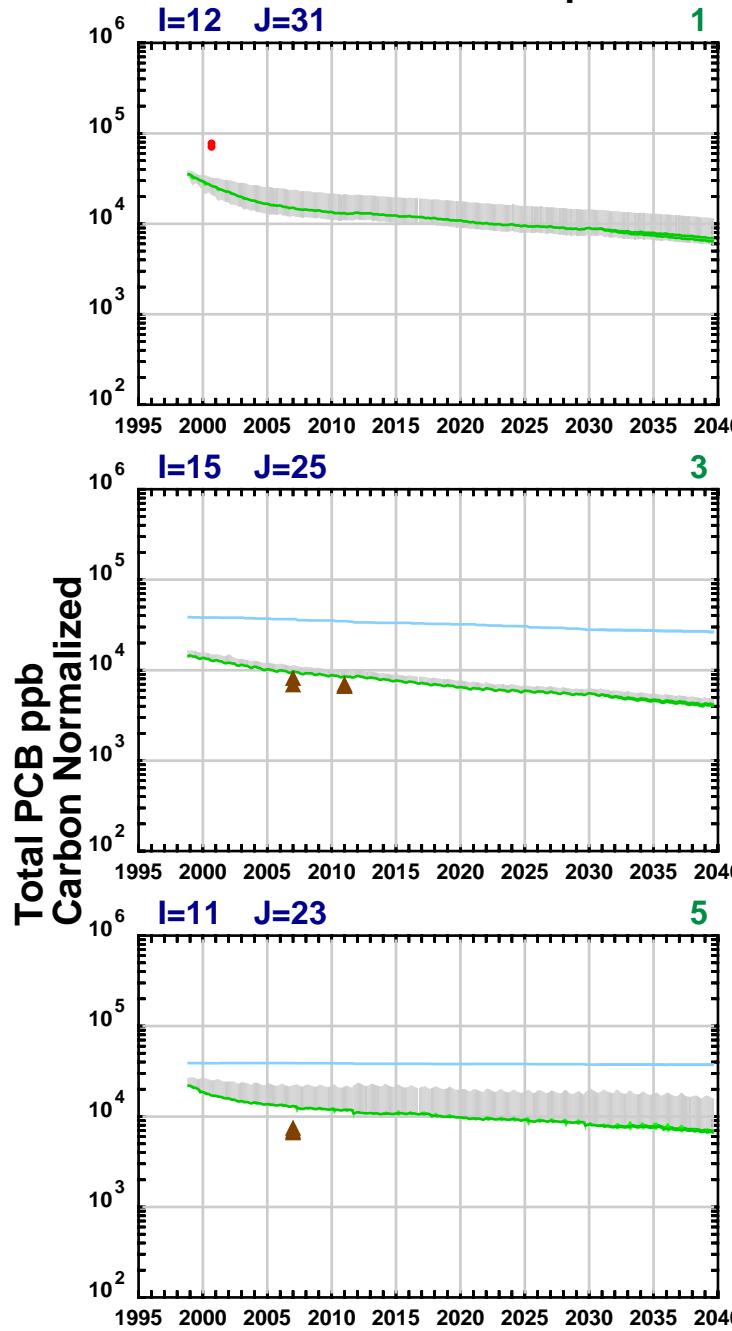
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

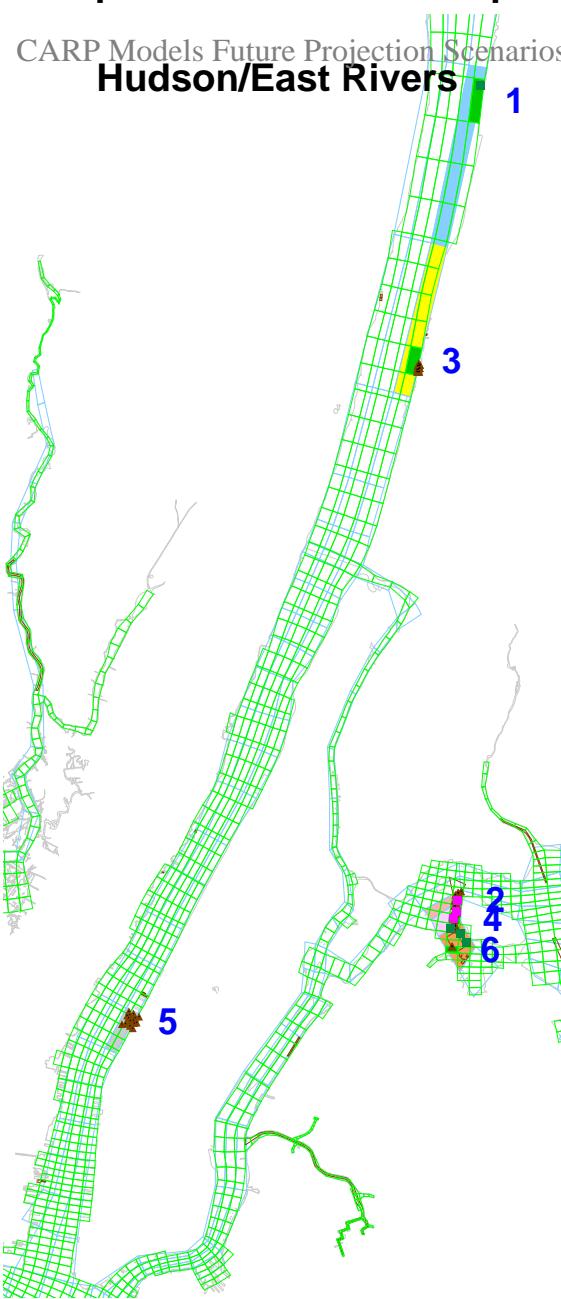
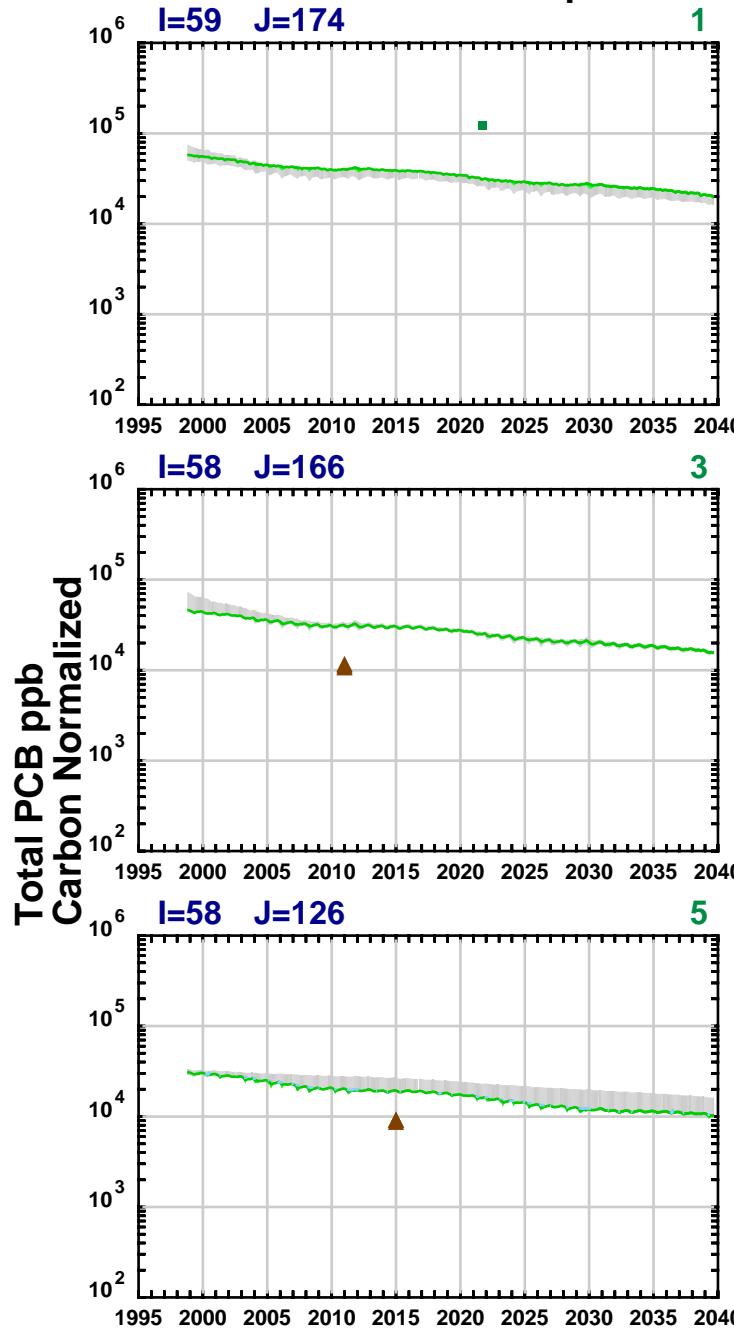
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 147 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

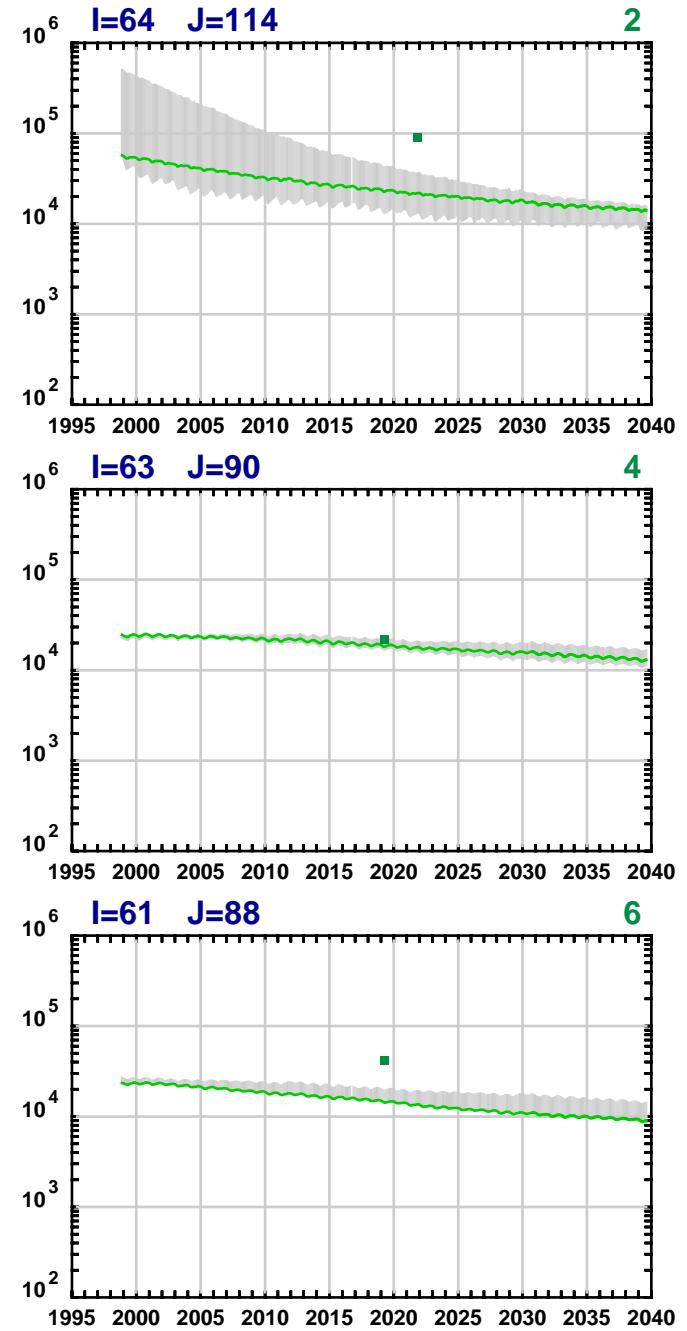
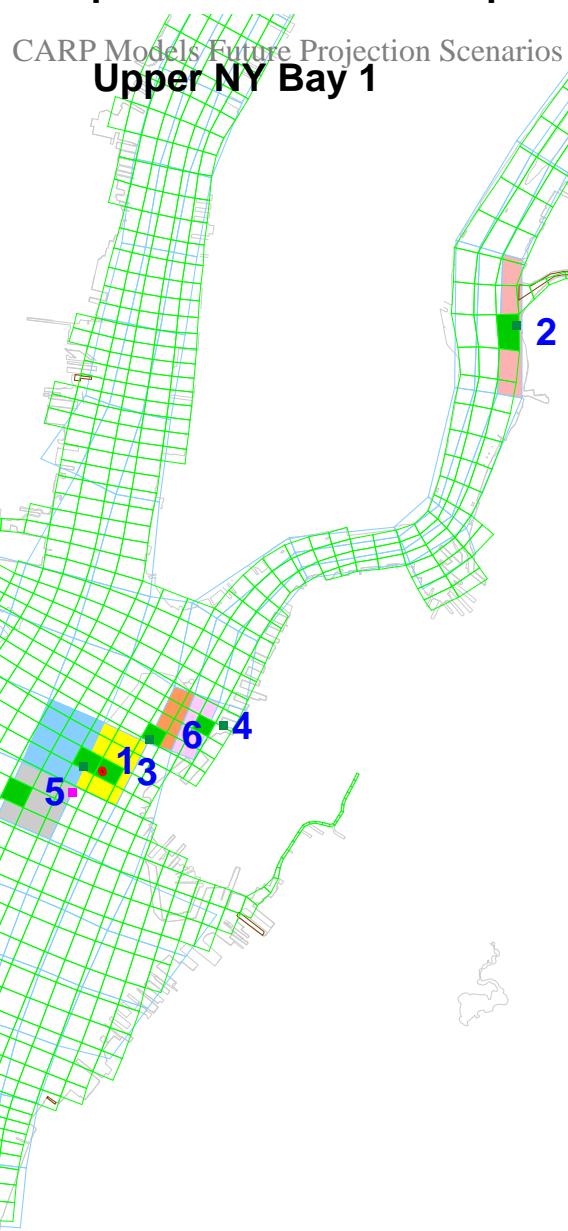
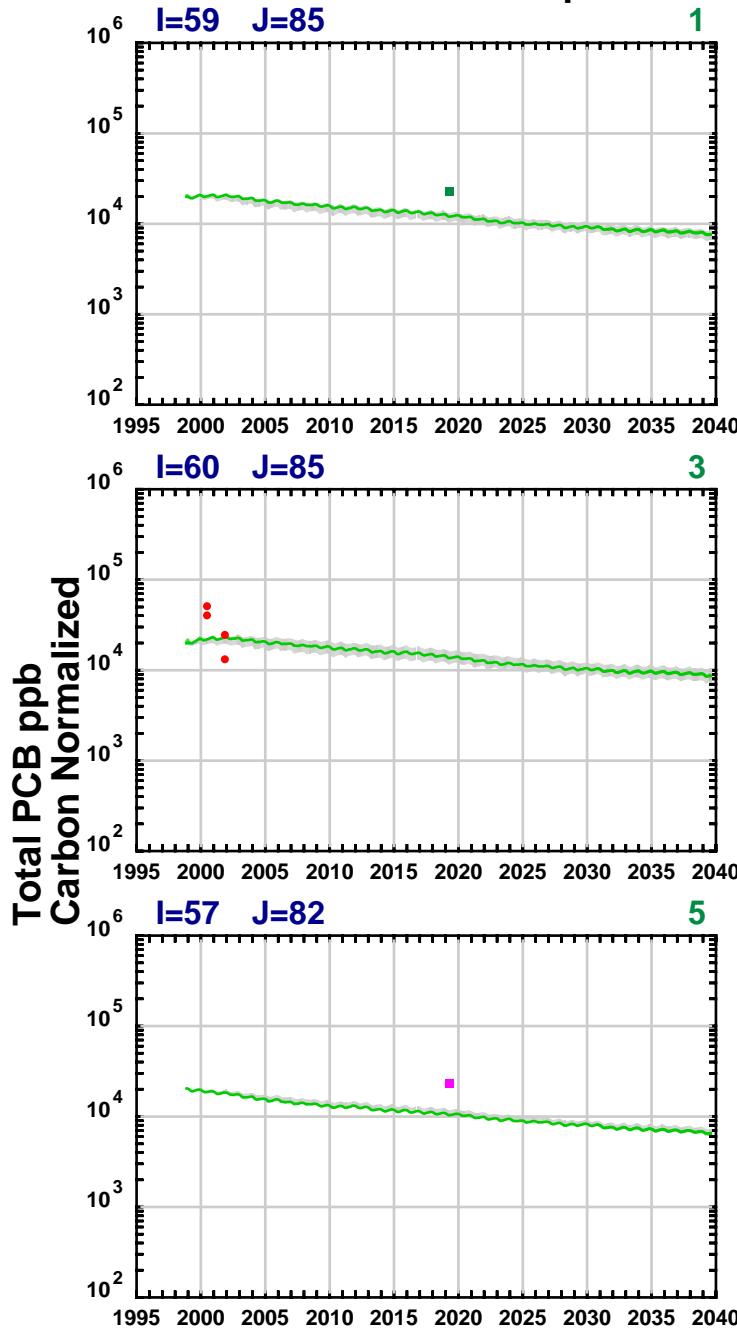
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

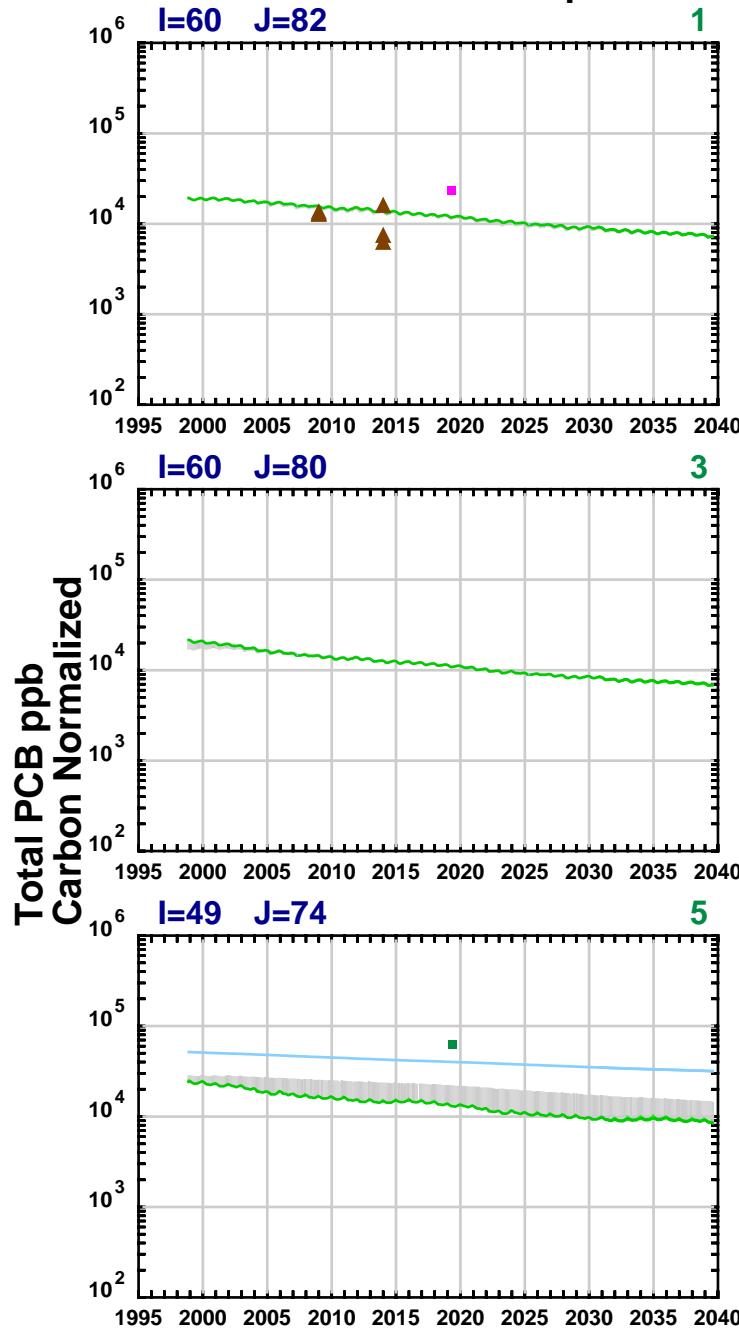
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

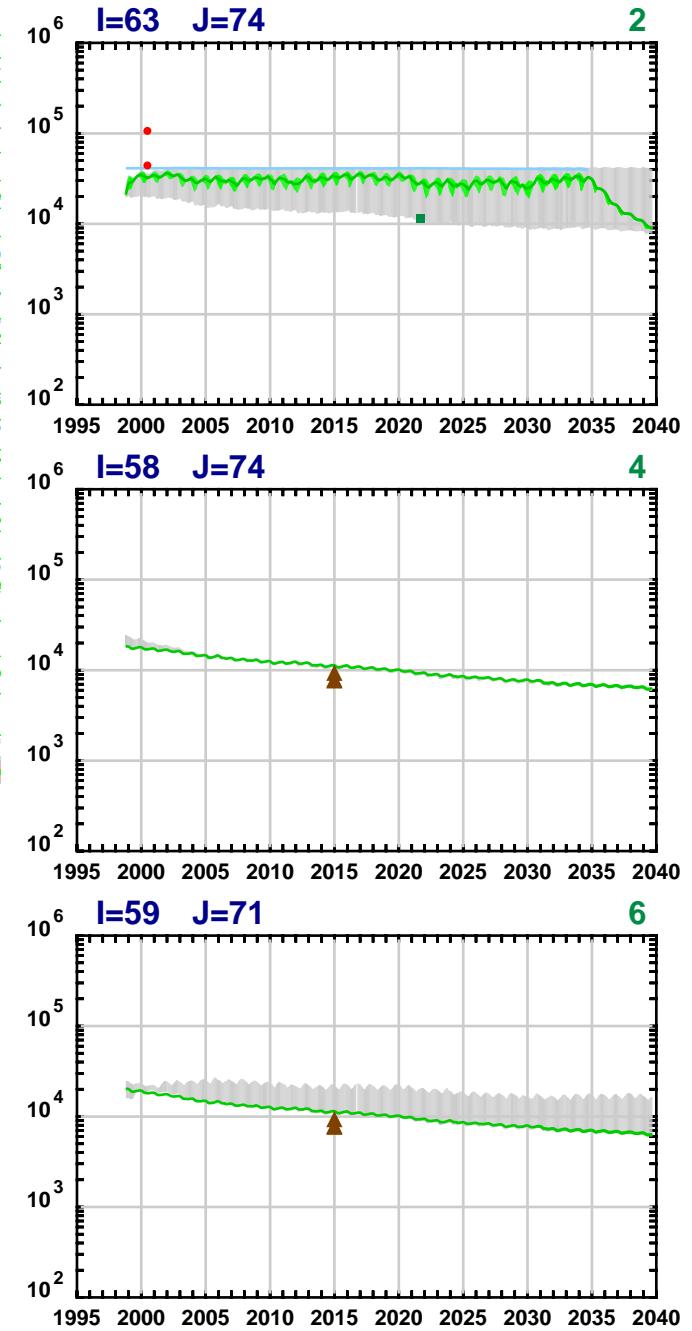
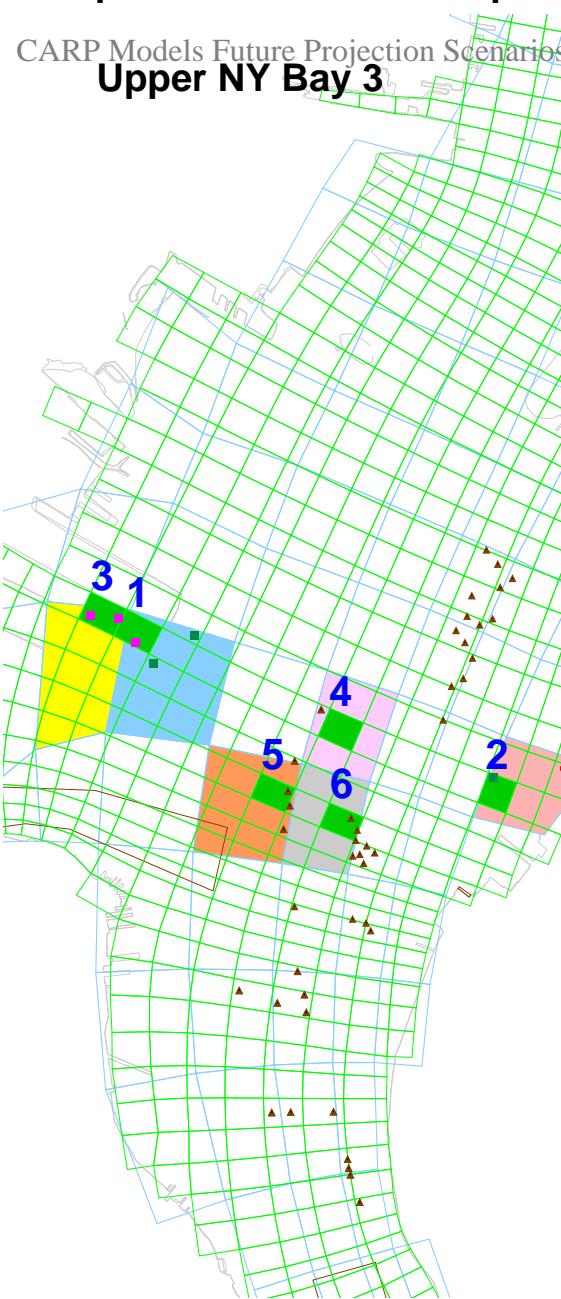
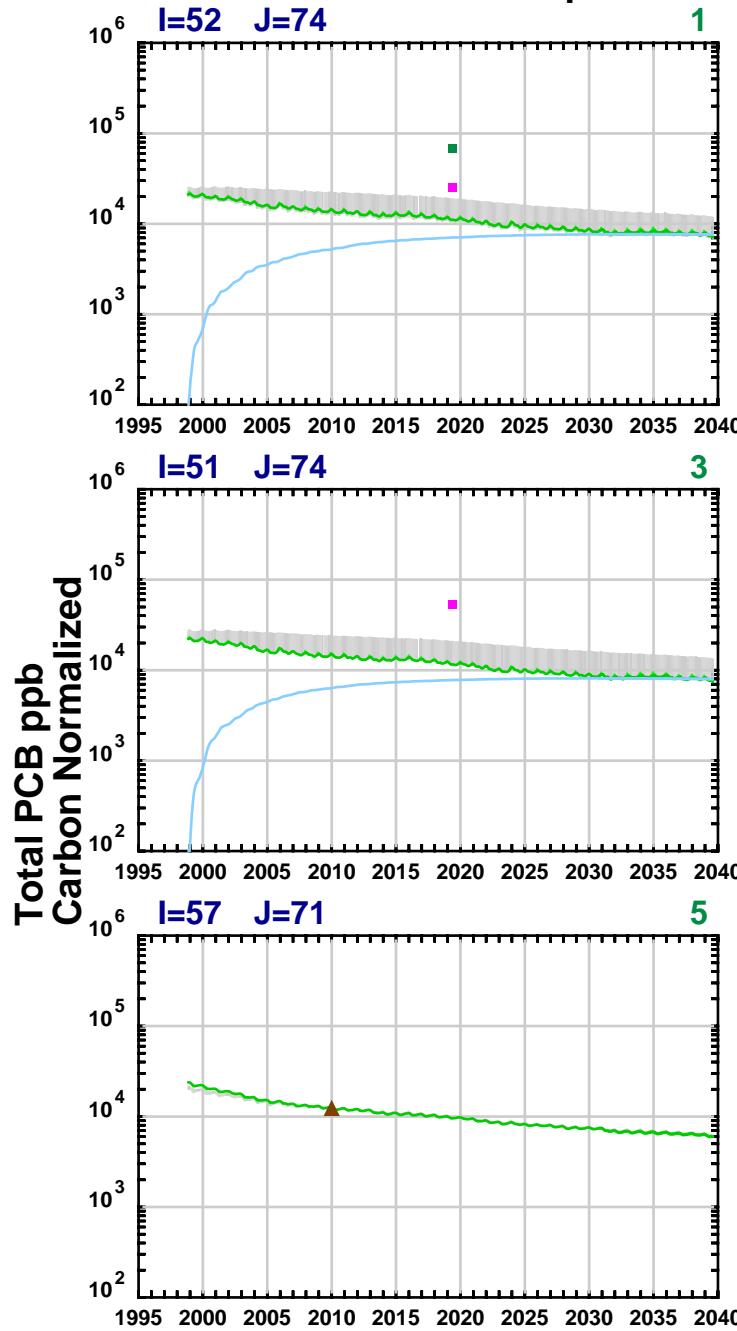
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

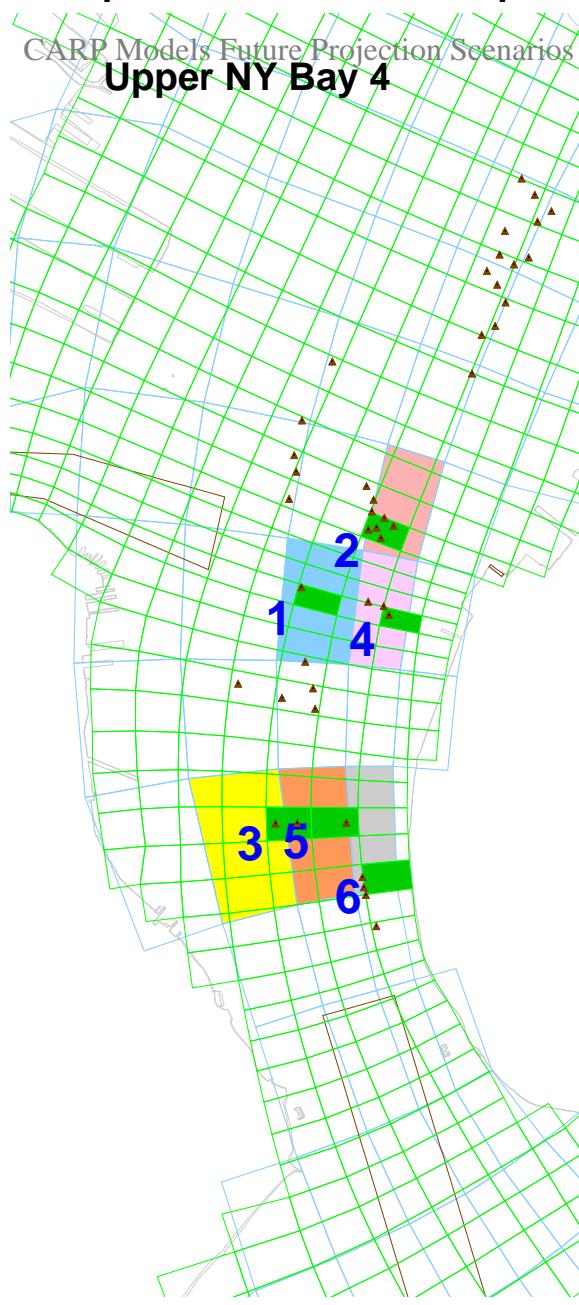
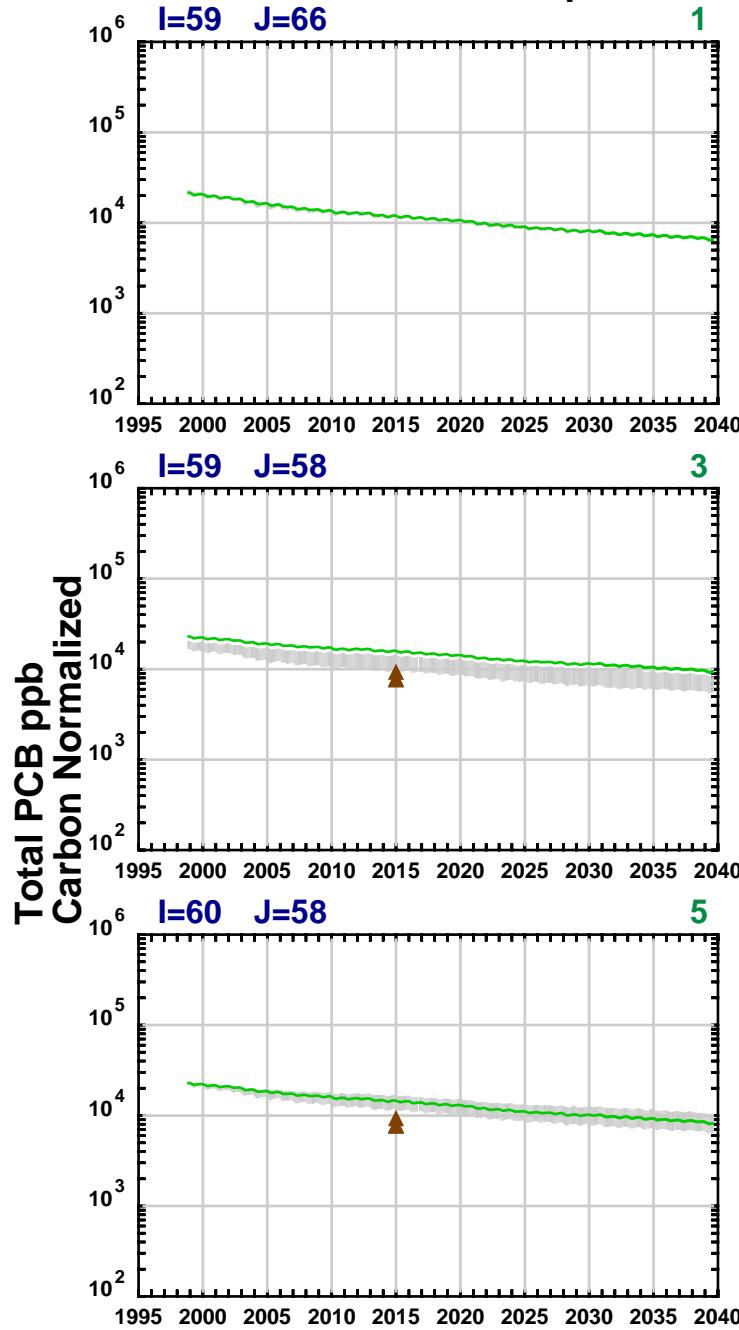
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

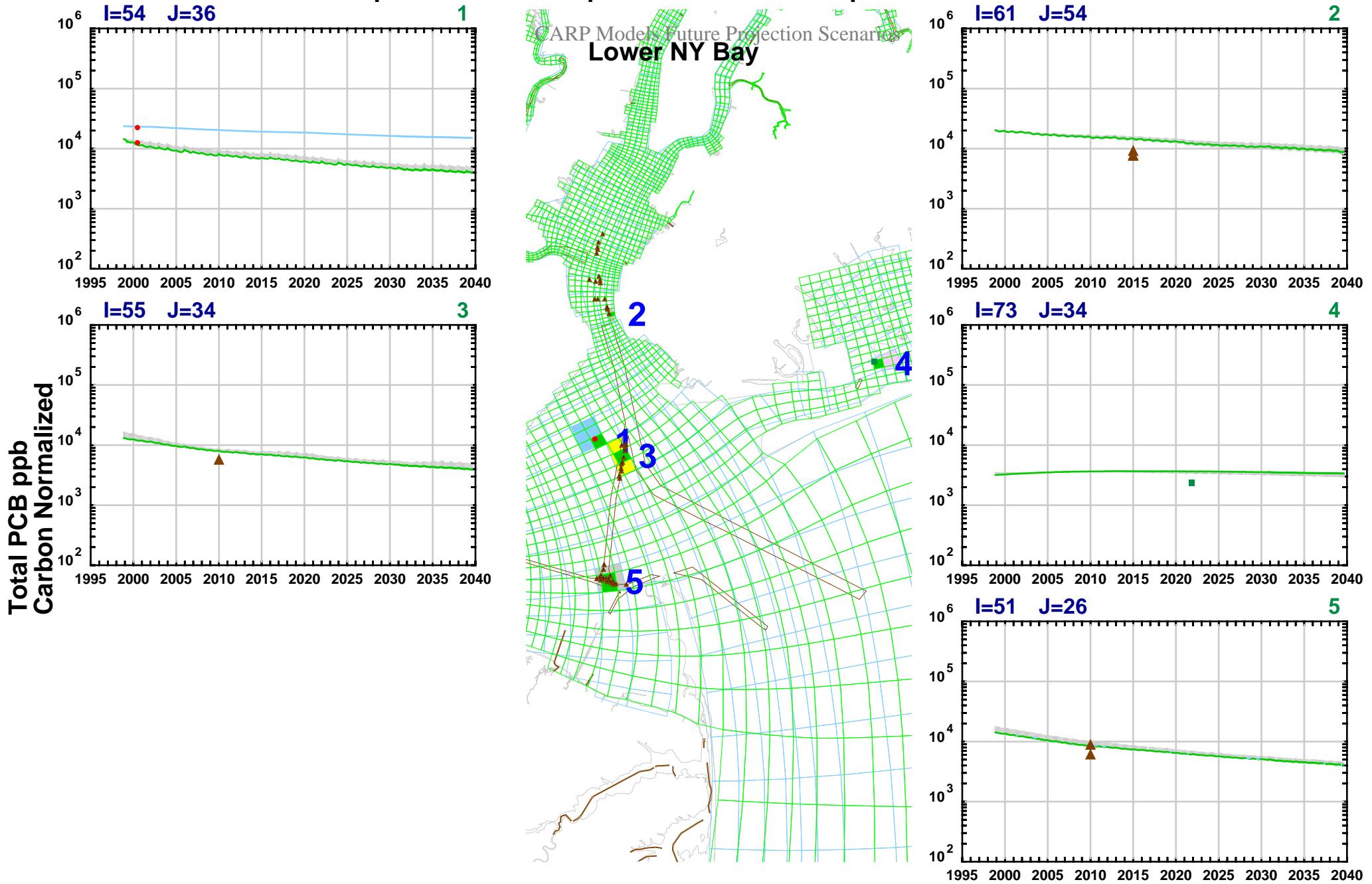
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

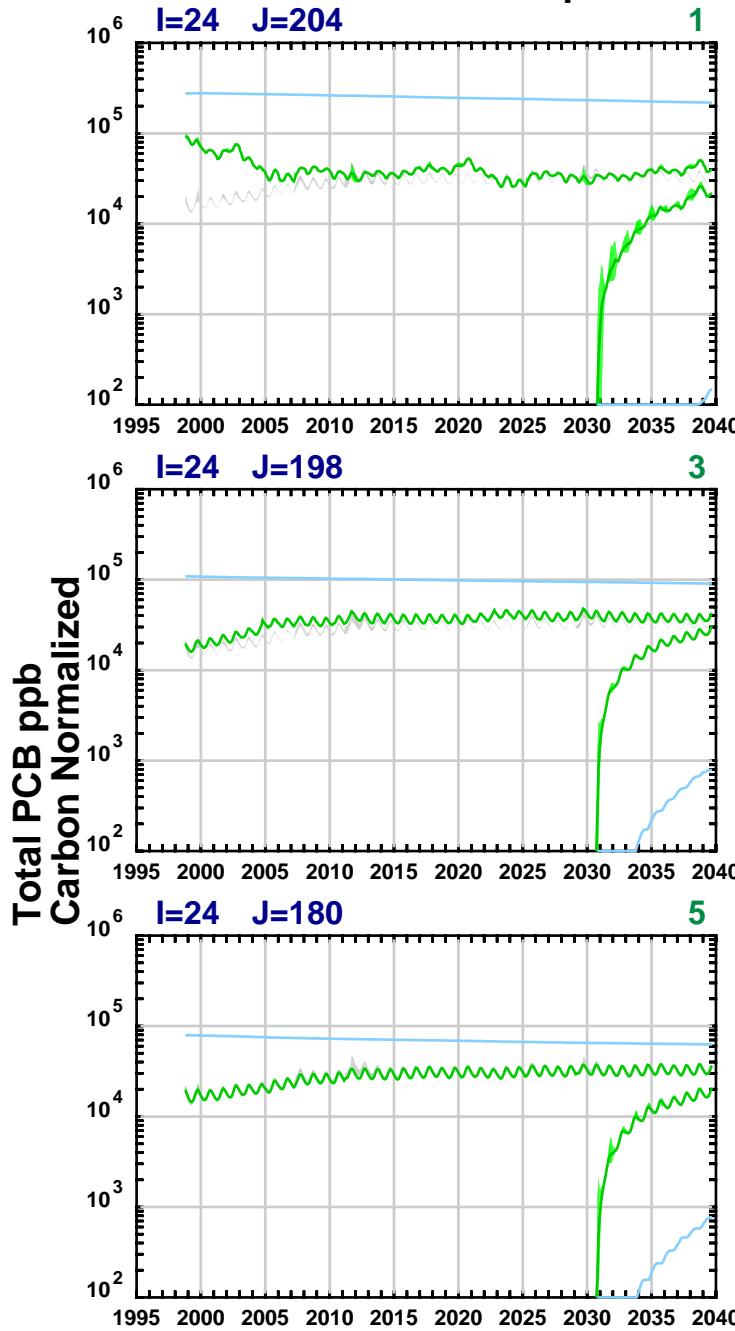
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

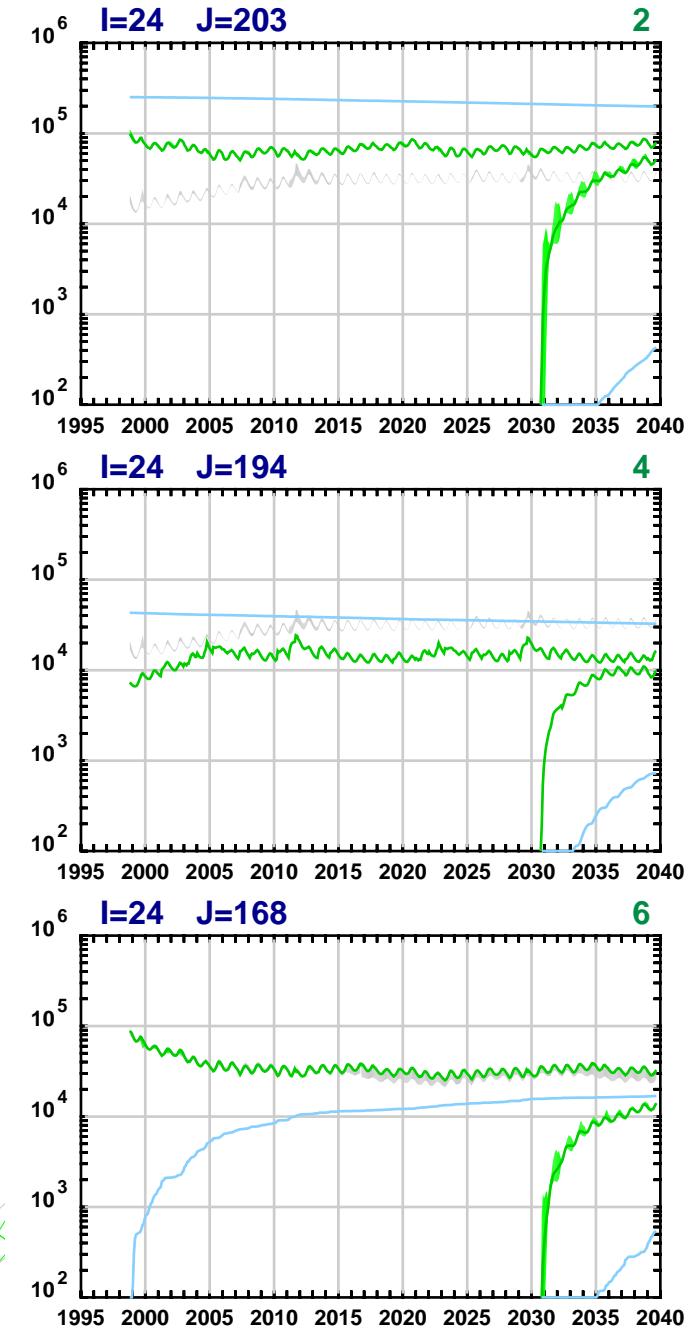
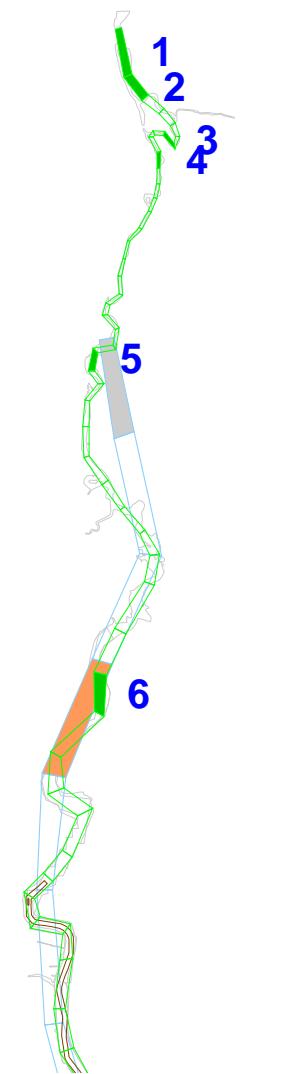
Appendix 1 Page 153 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

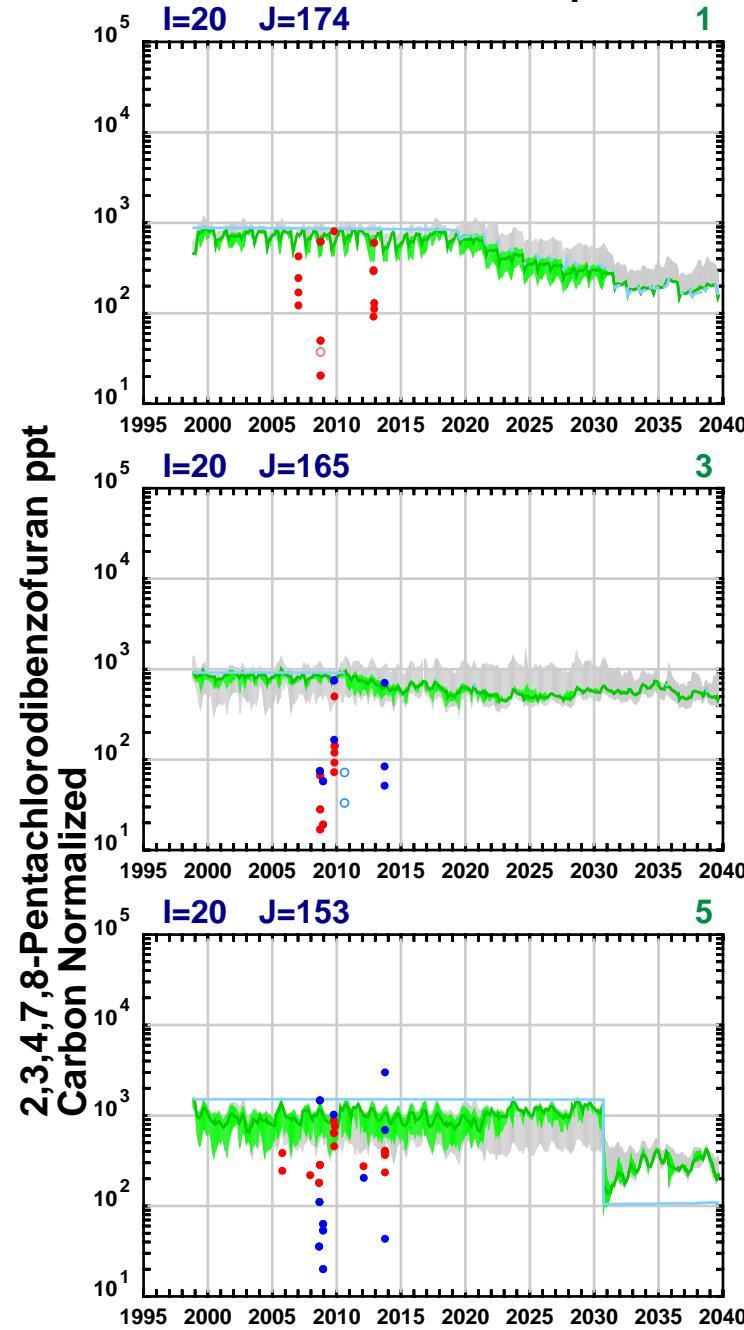
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I

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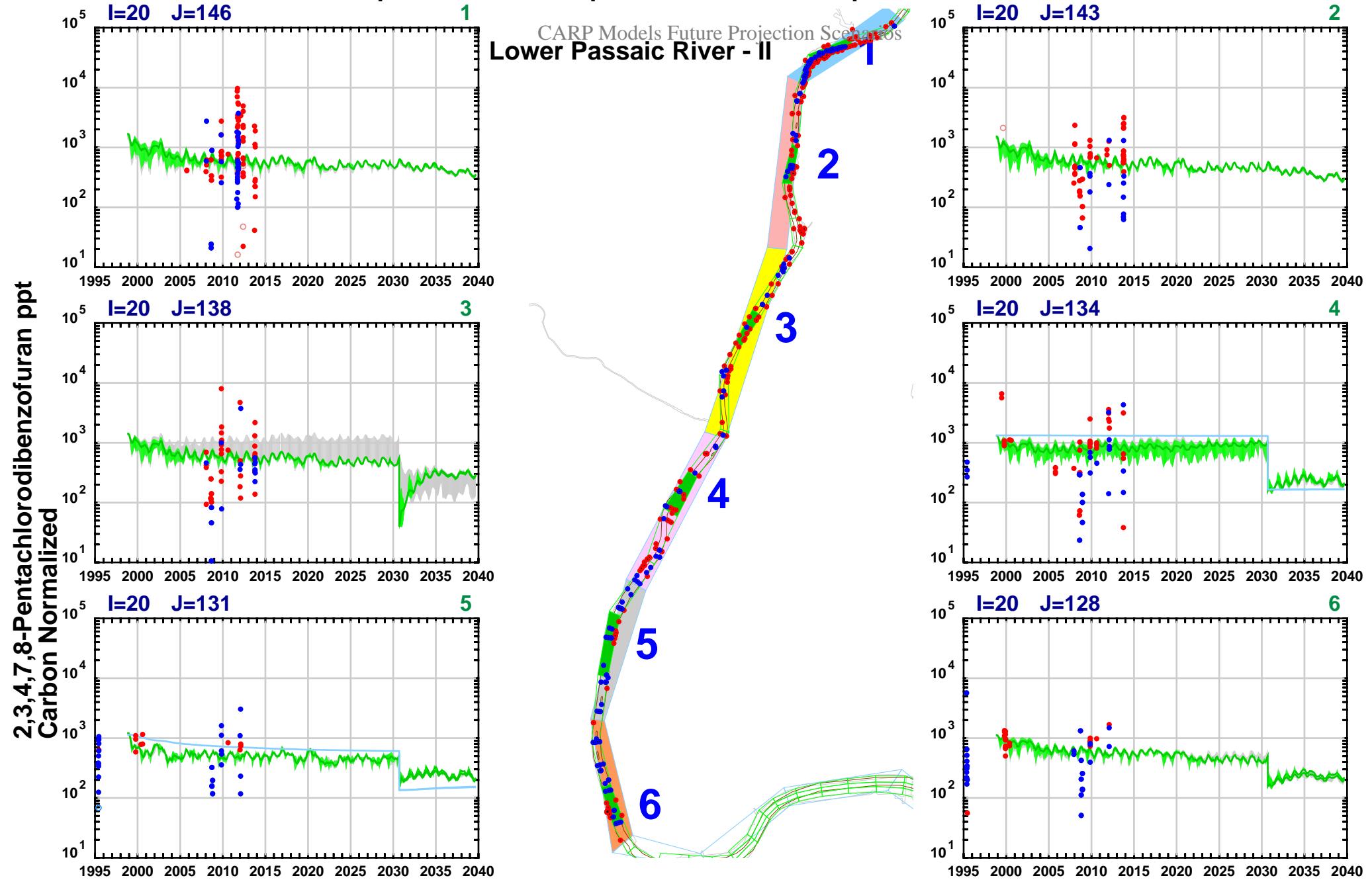
- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

RUN18_PROJ01_PROJ02_R1

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

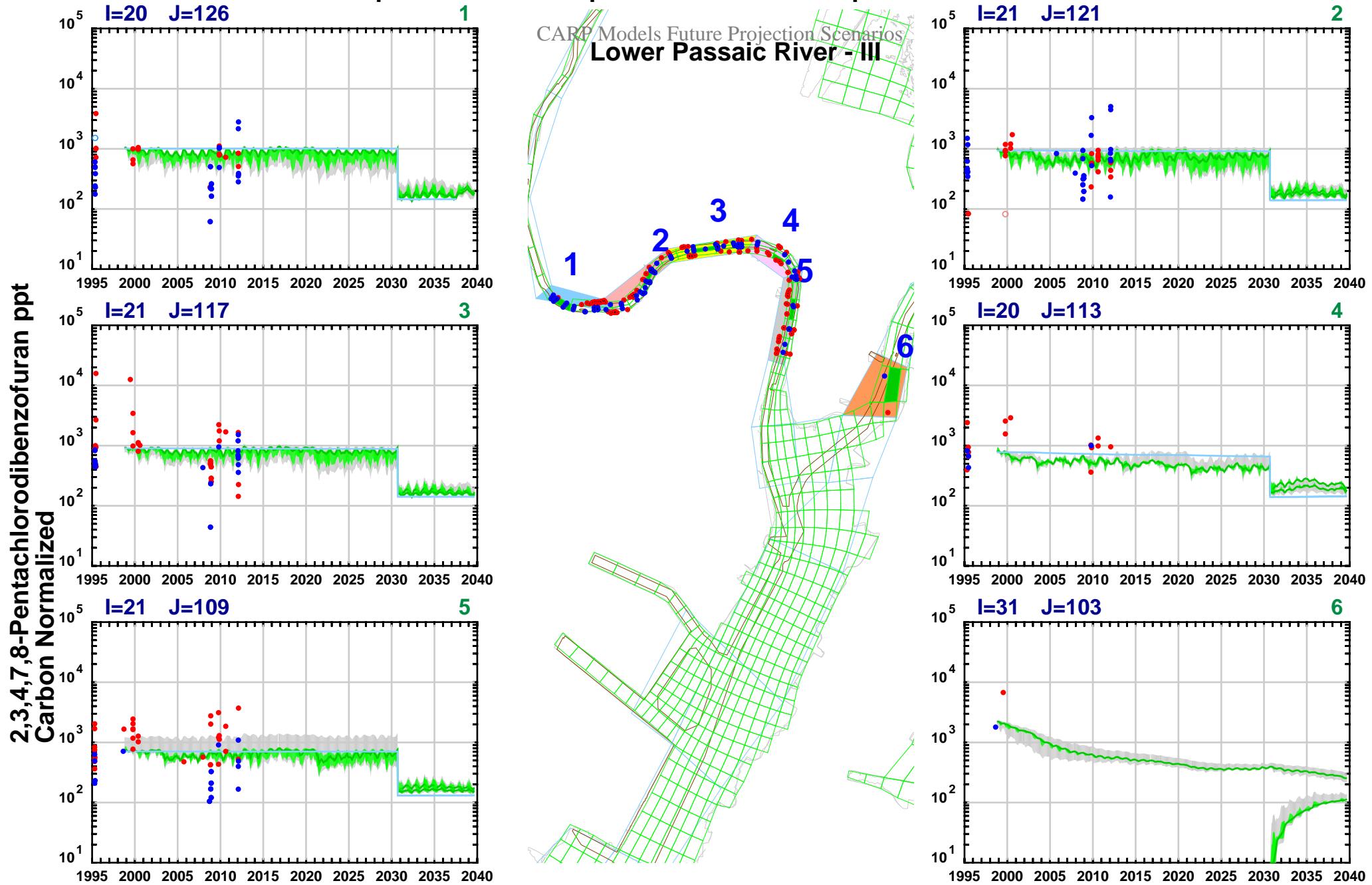
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

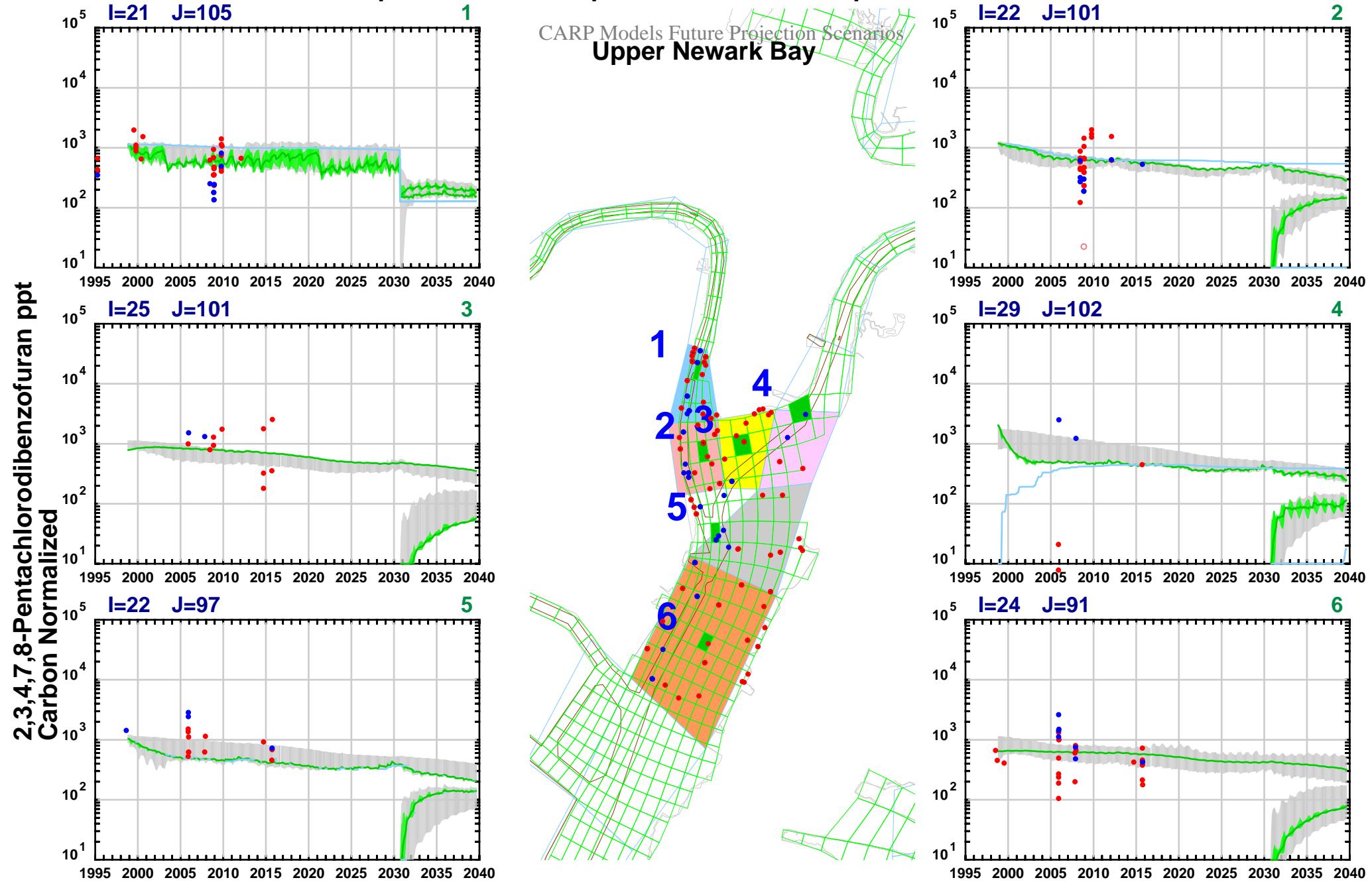
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

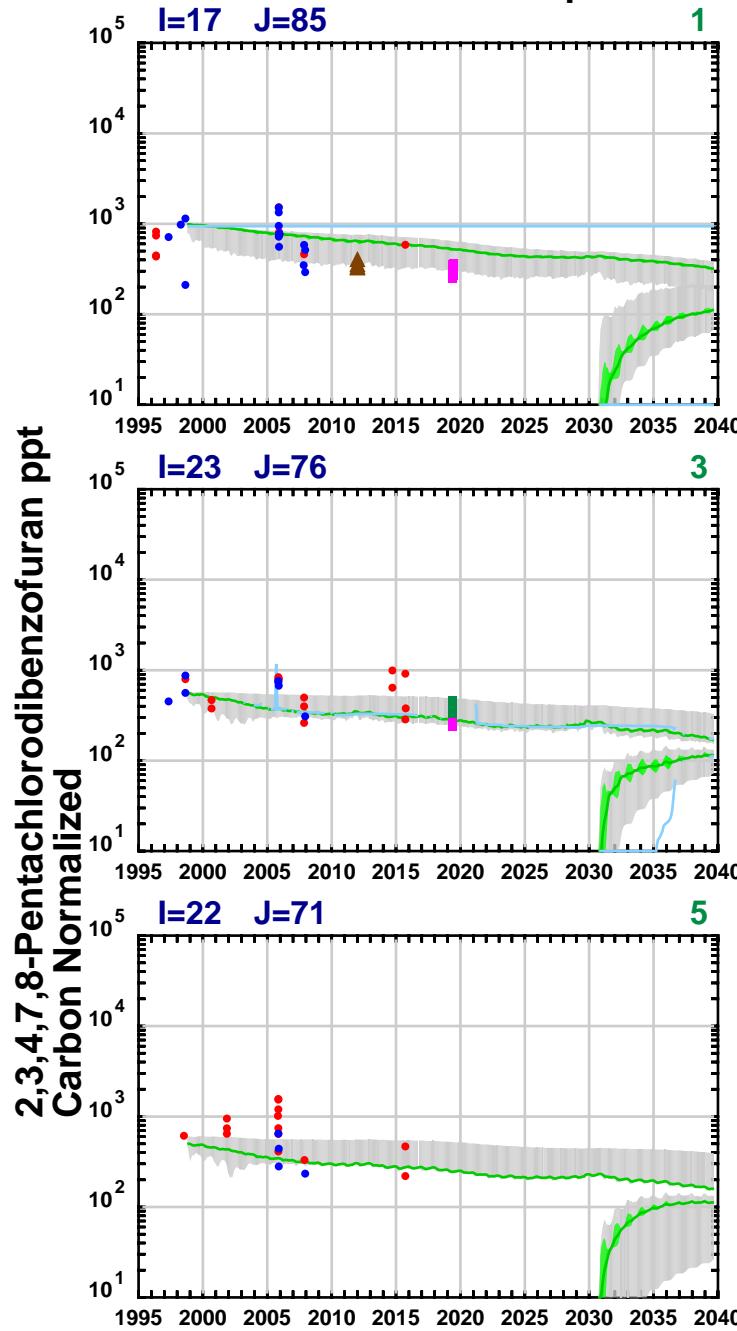
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

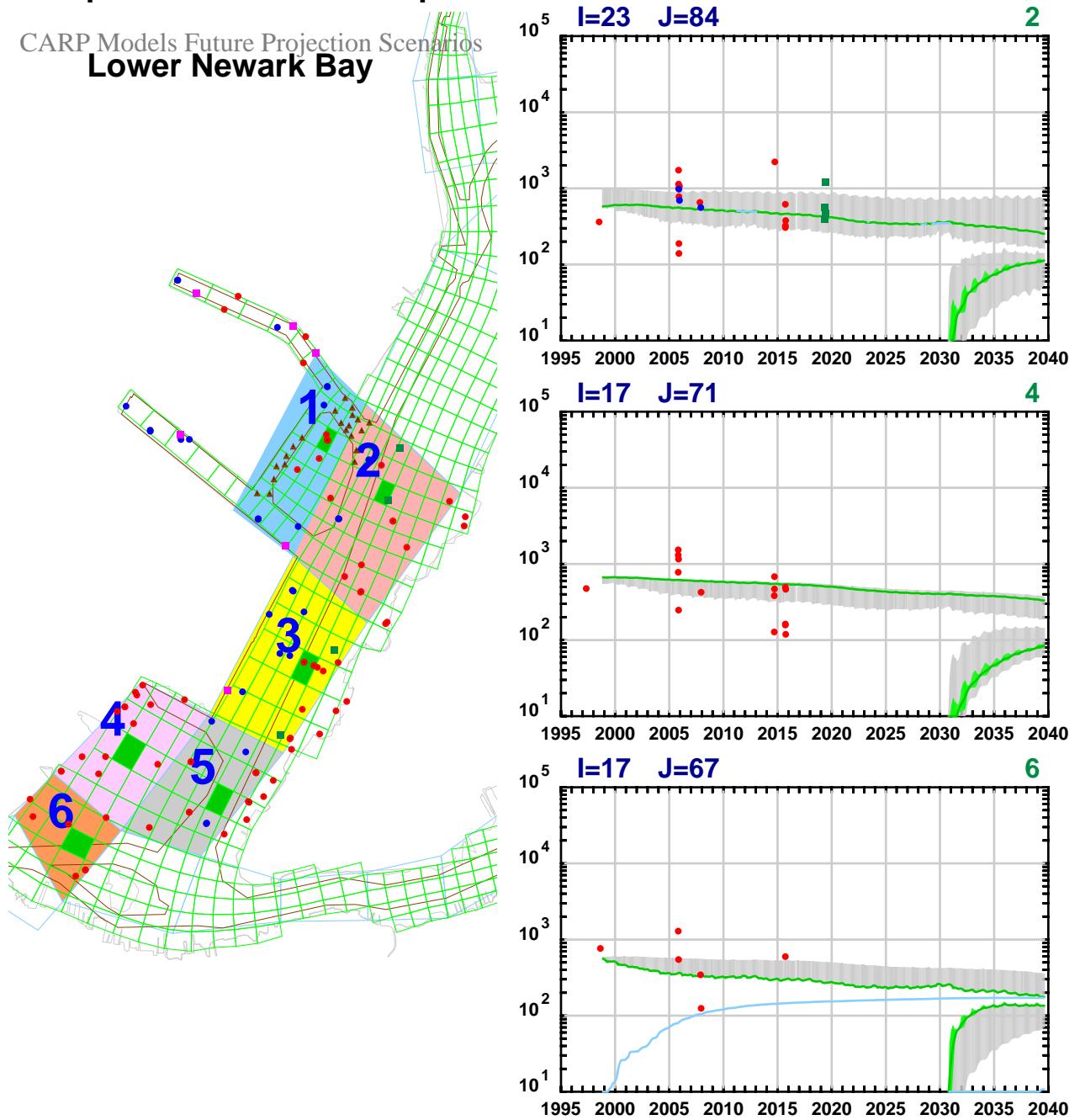
Appendix 1 Page 158 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

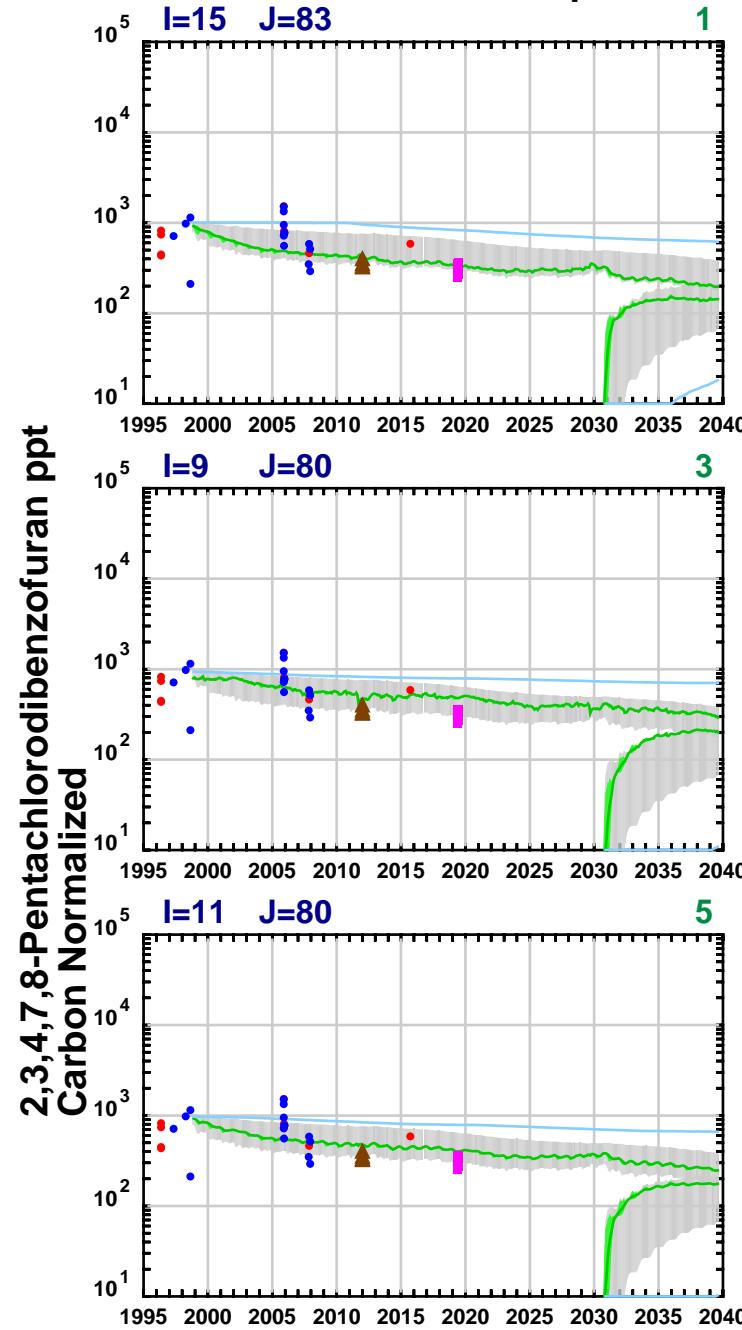
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

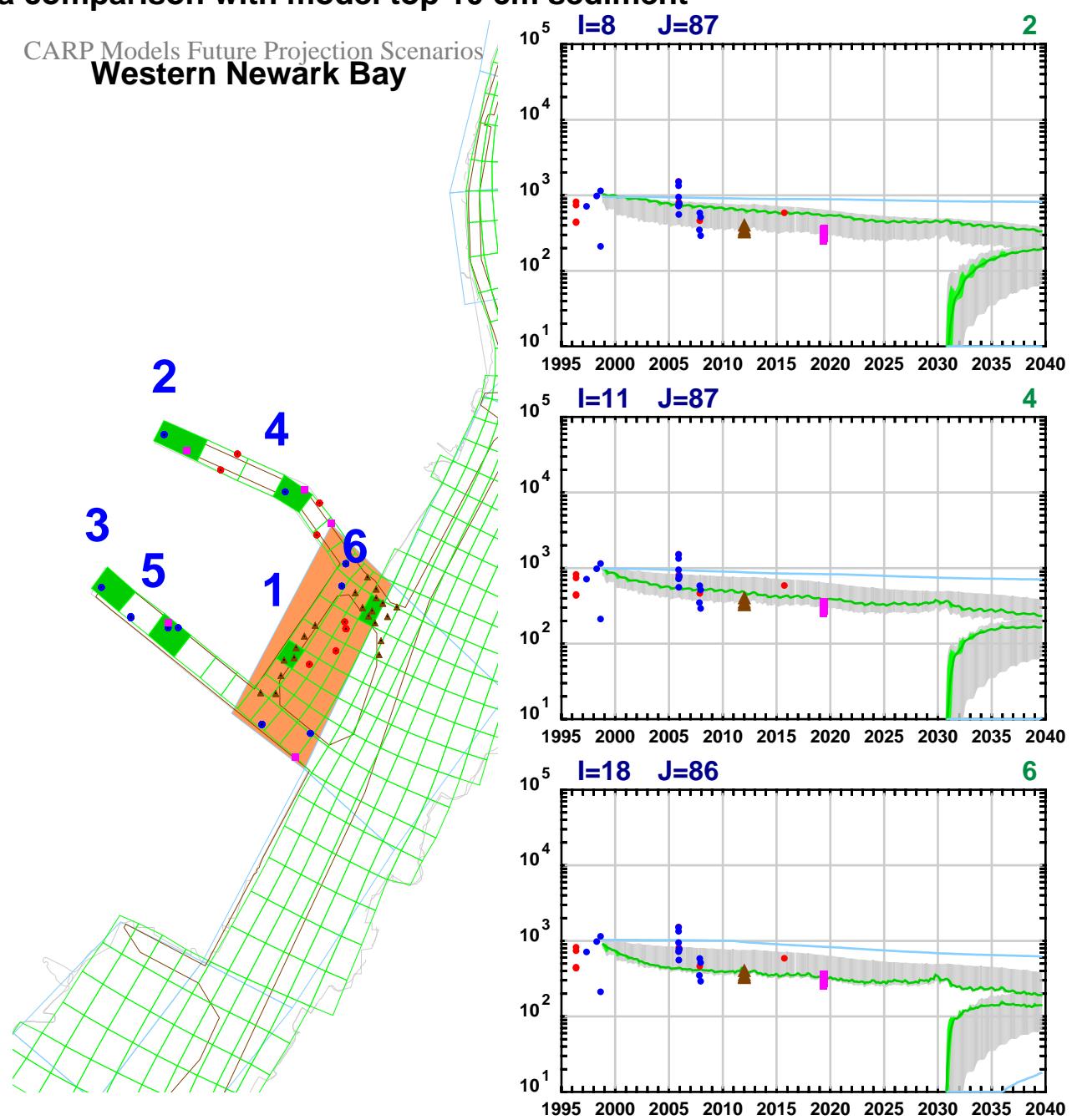
Appendix 1 Page 159 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

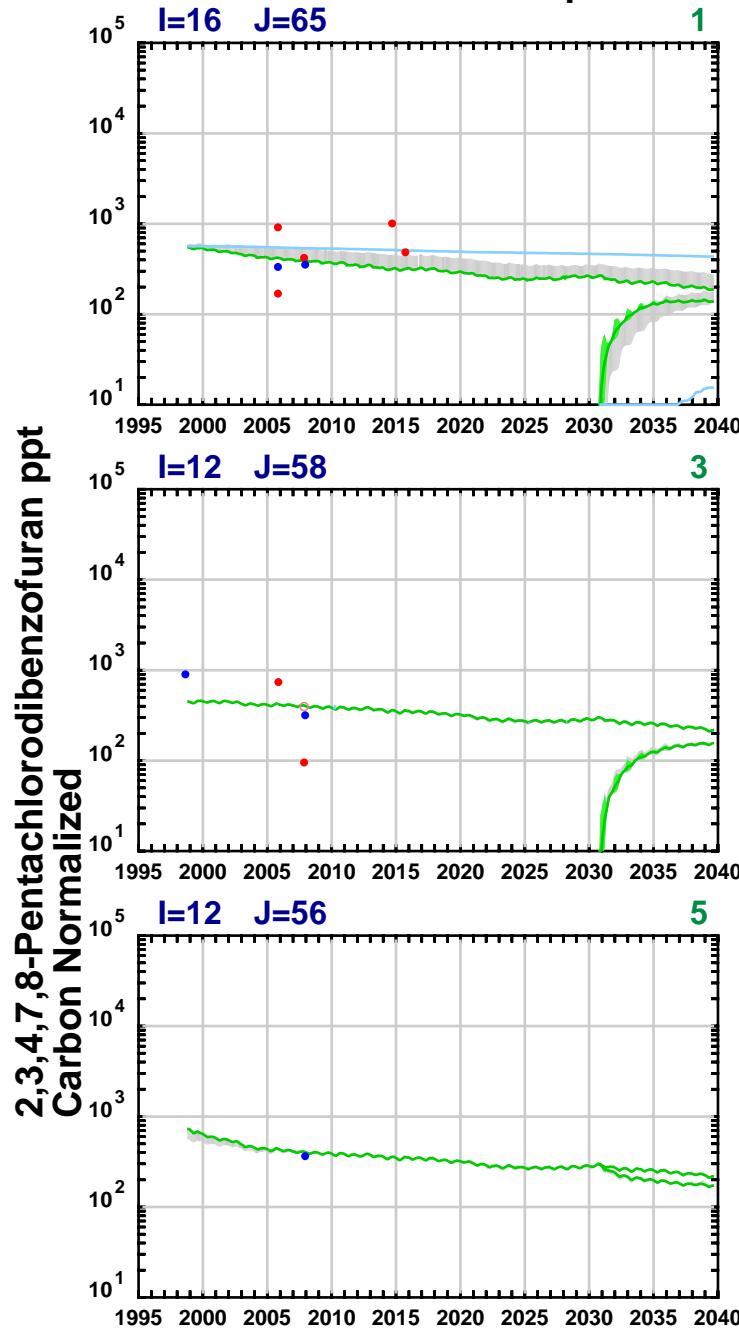
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

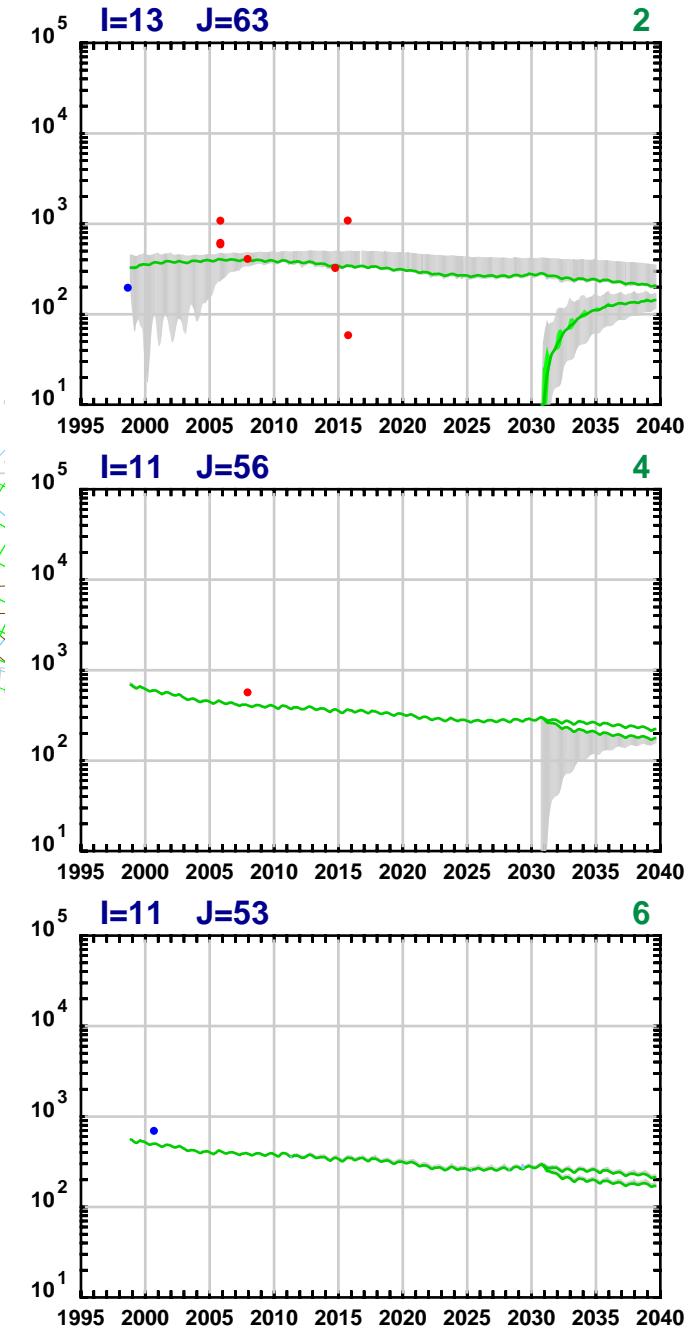
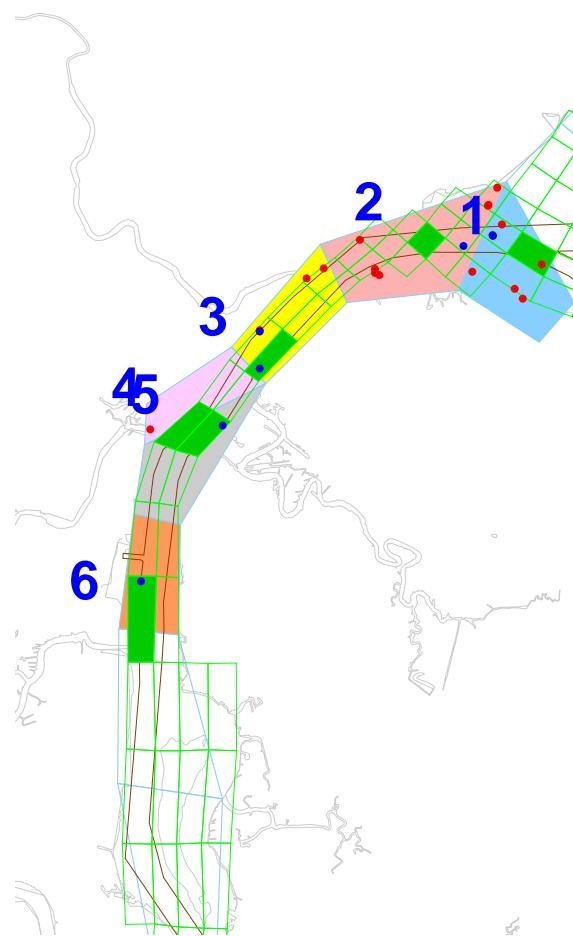
Appendix 1 Page 160 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

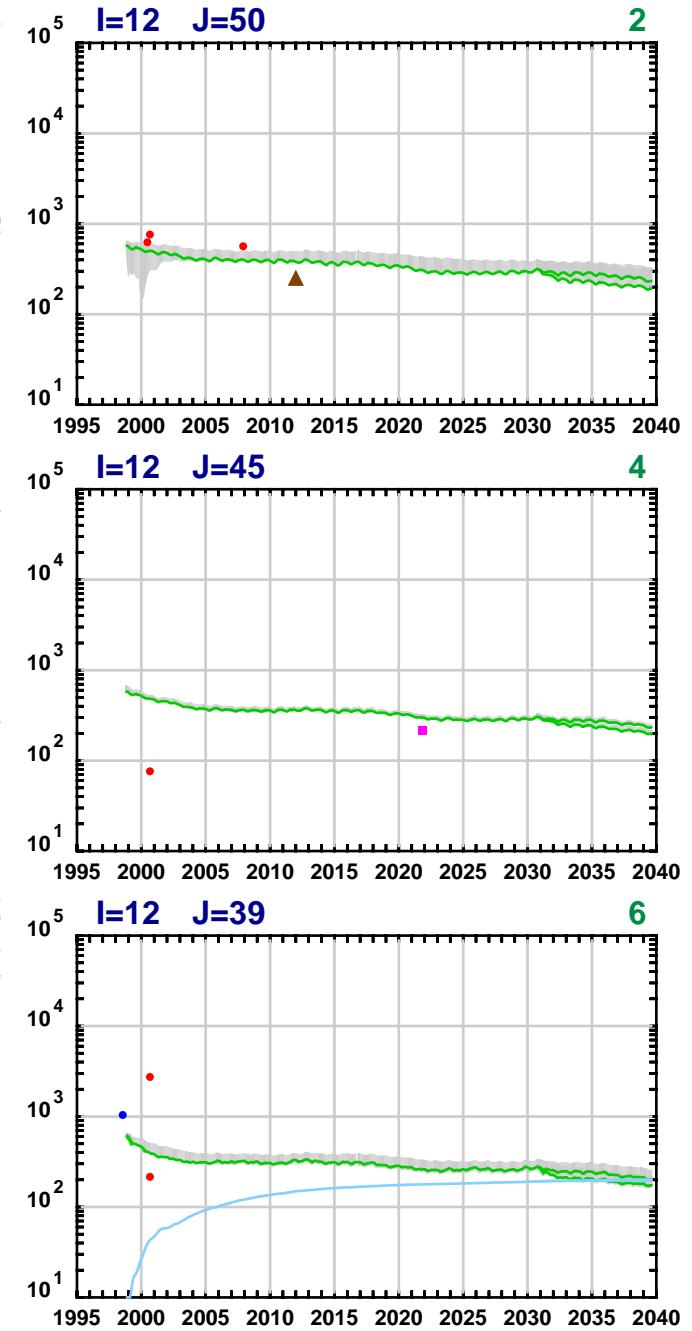
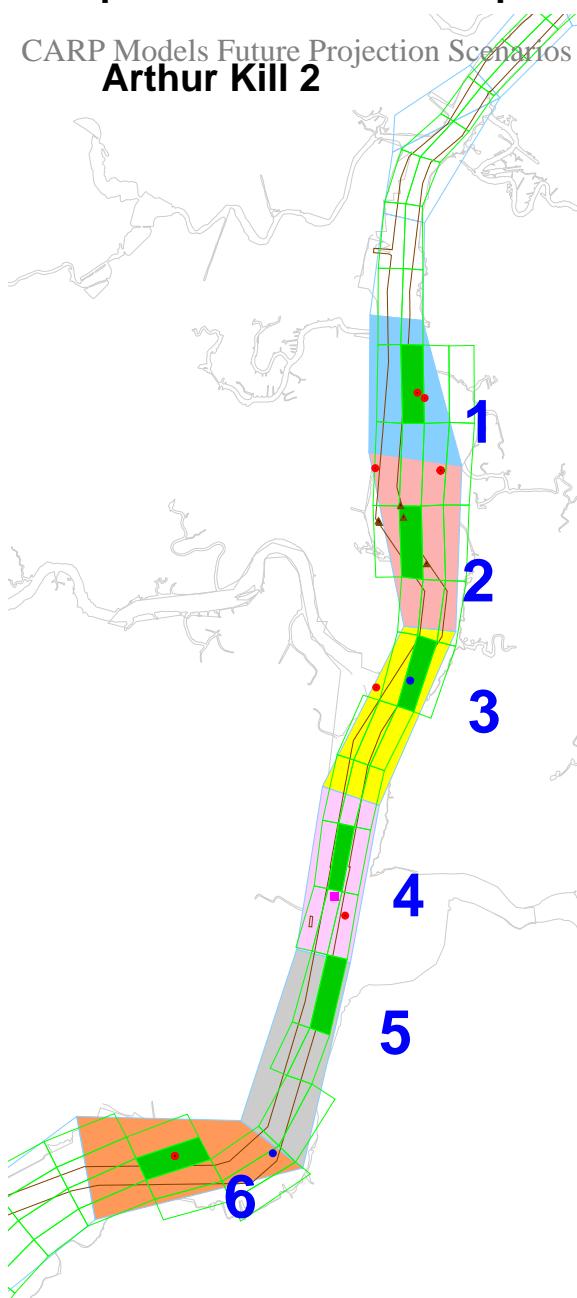
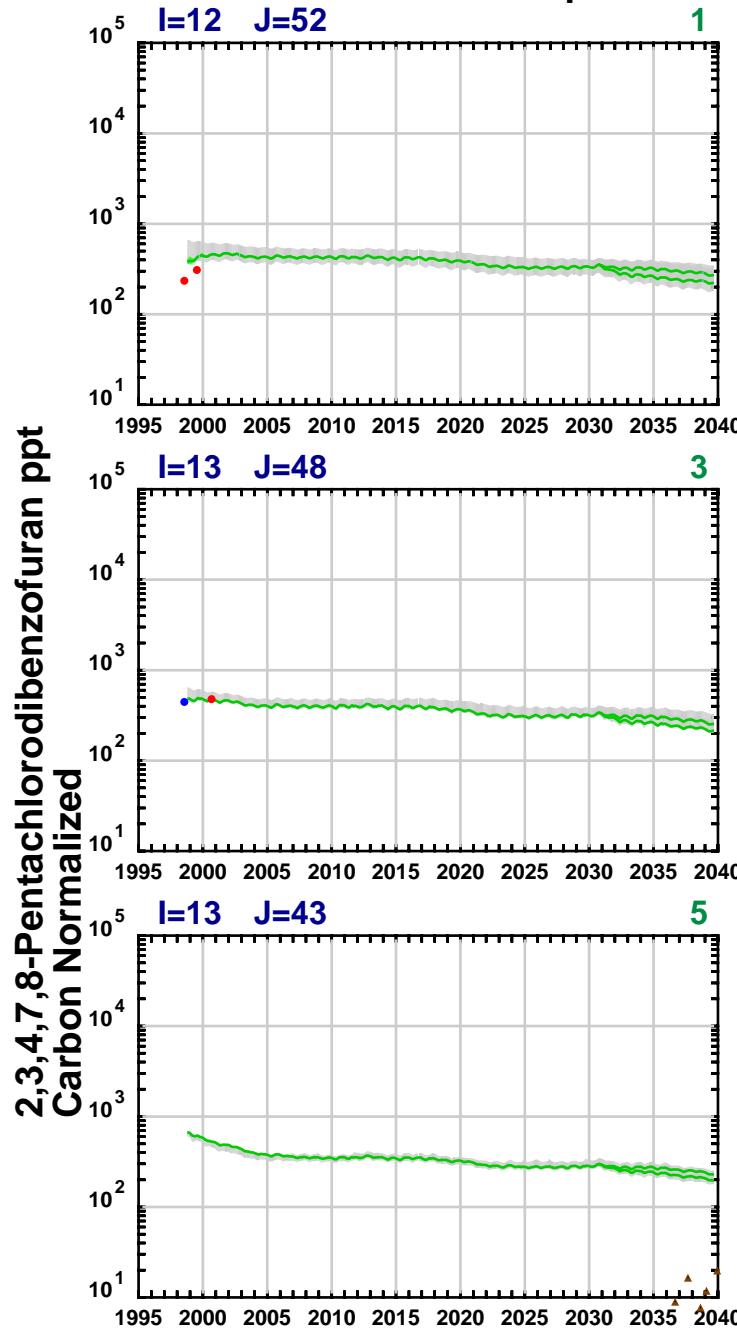
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

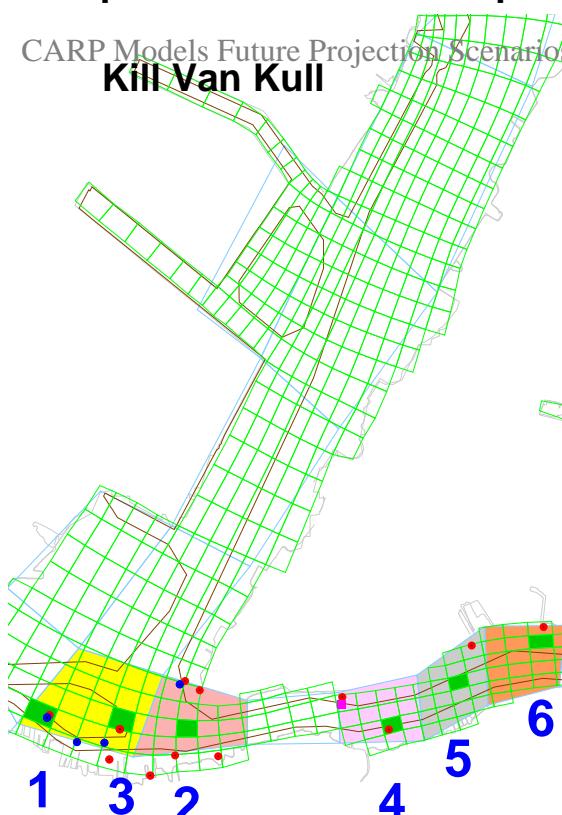
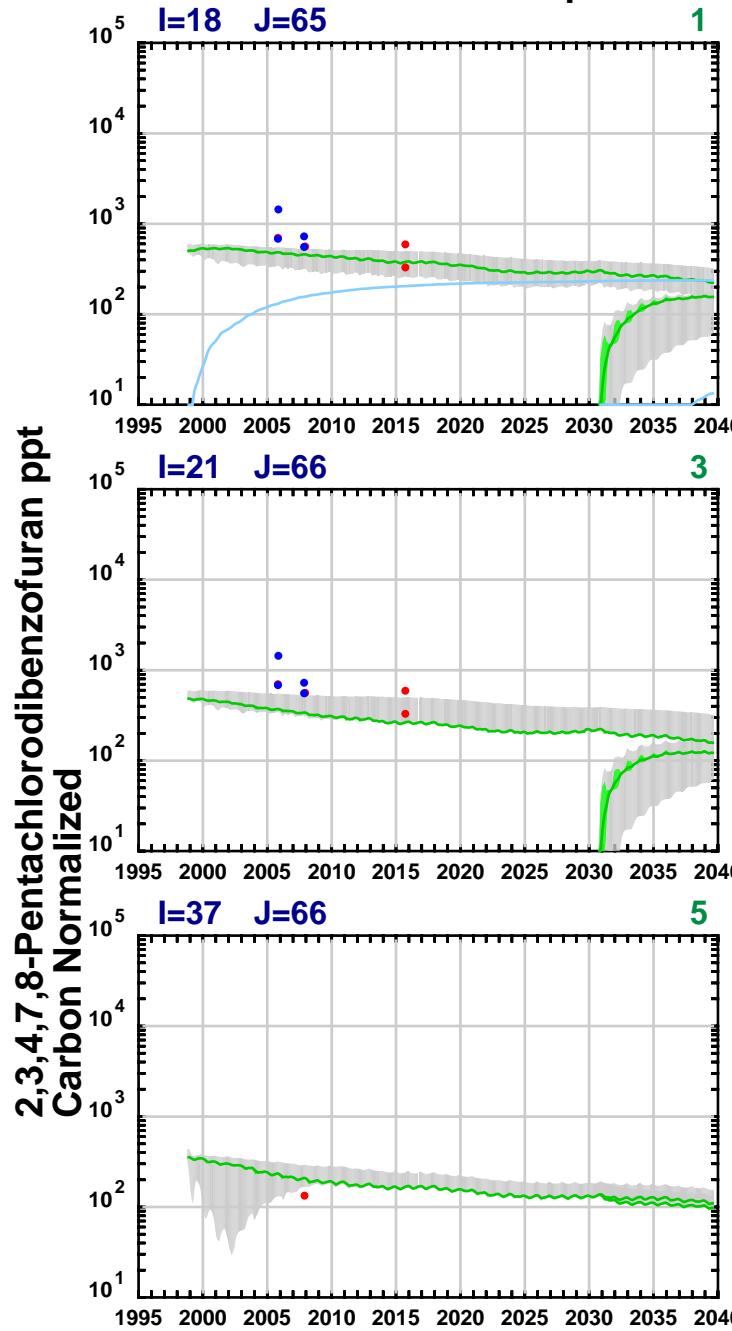
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

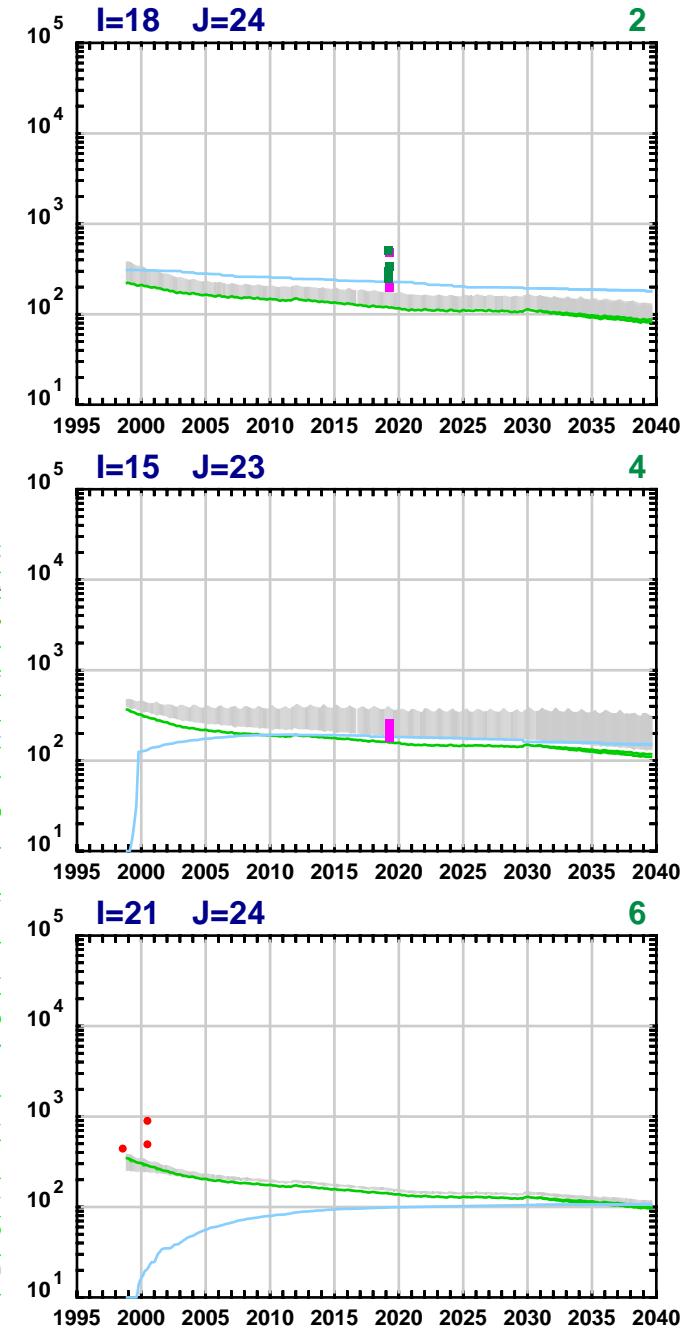
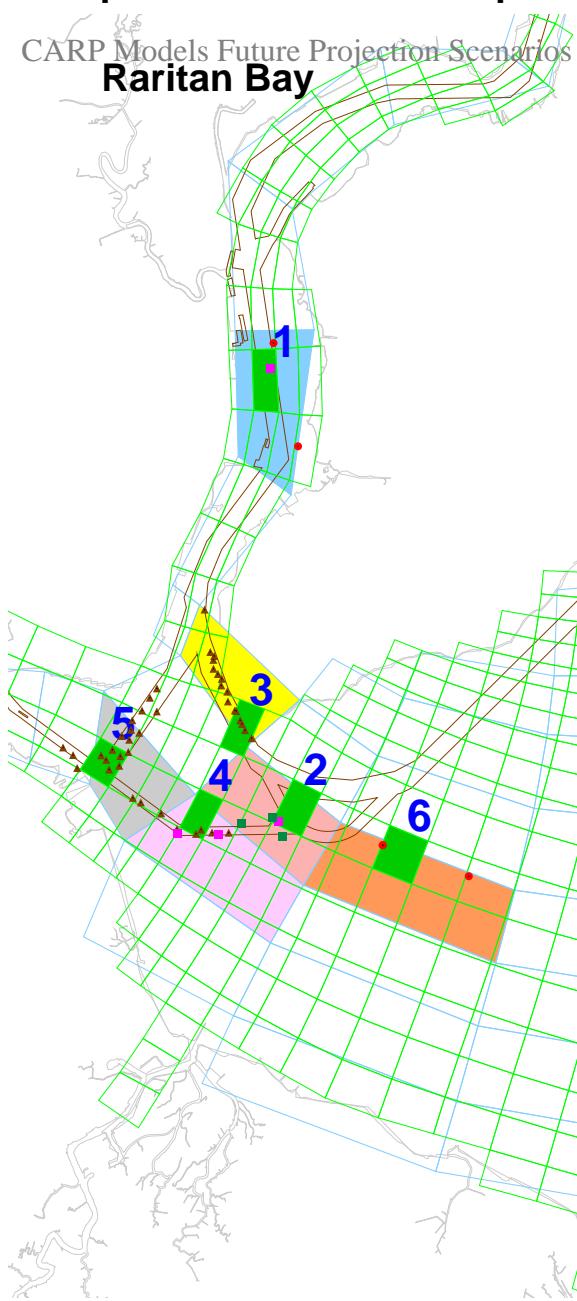
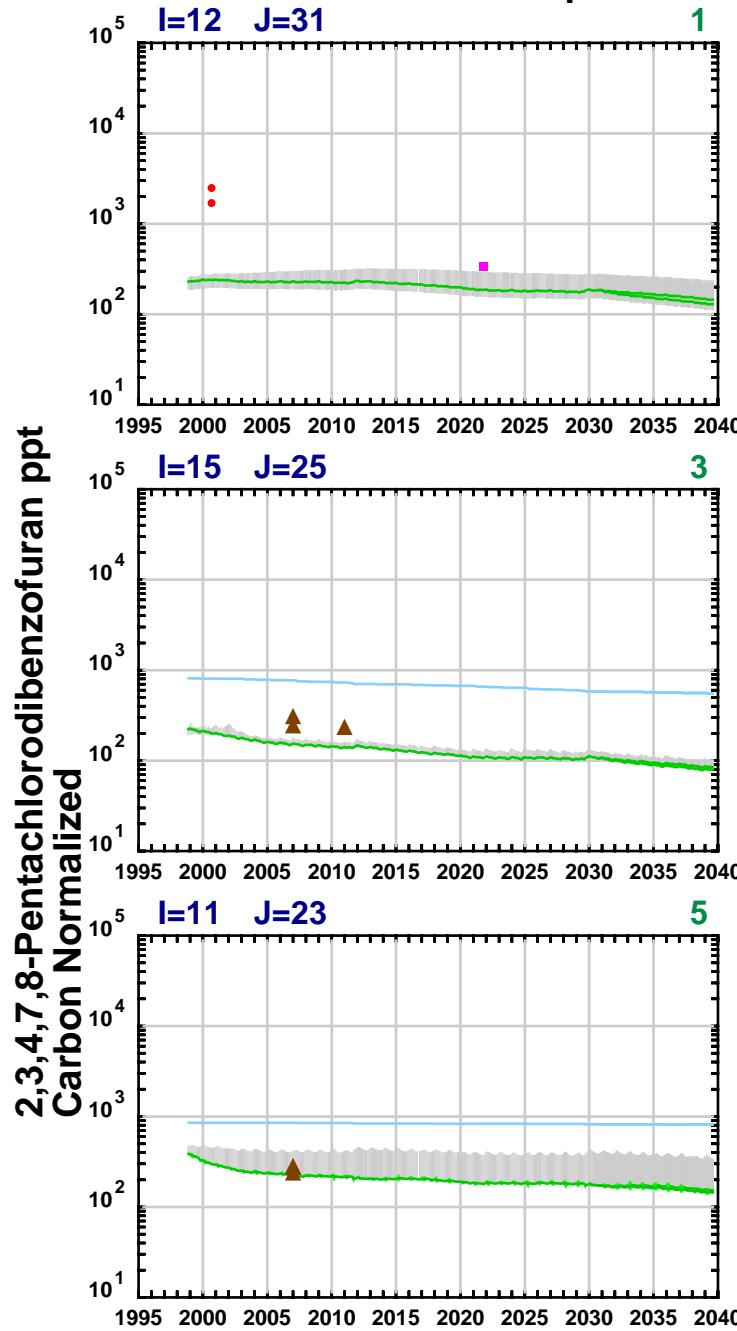
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

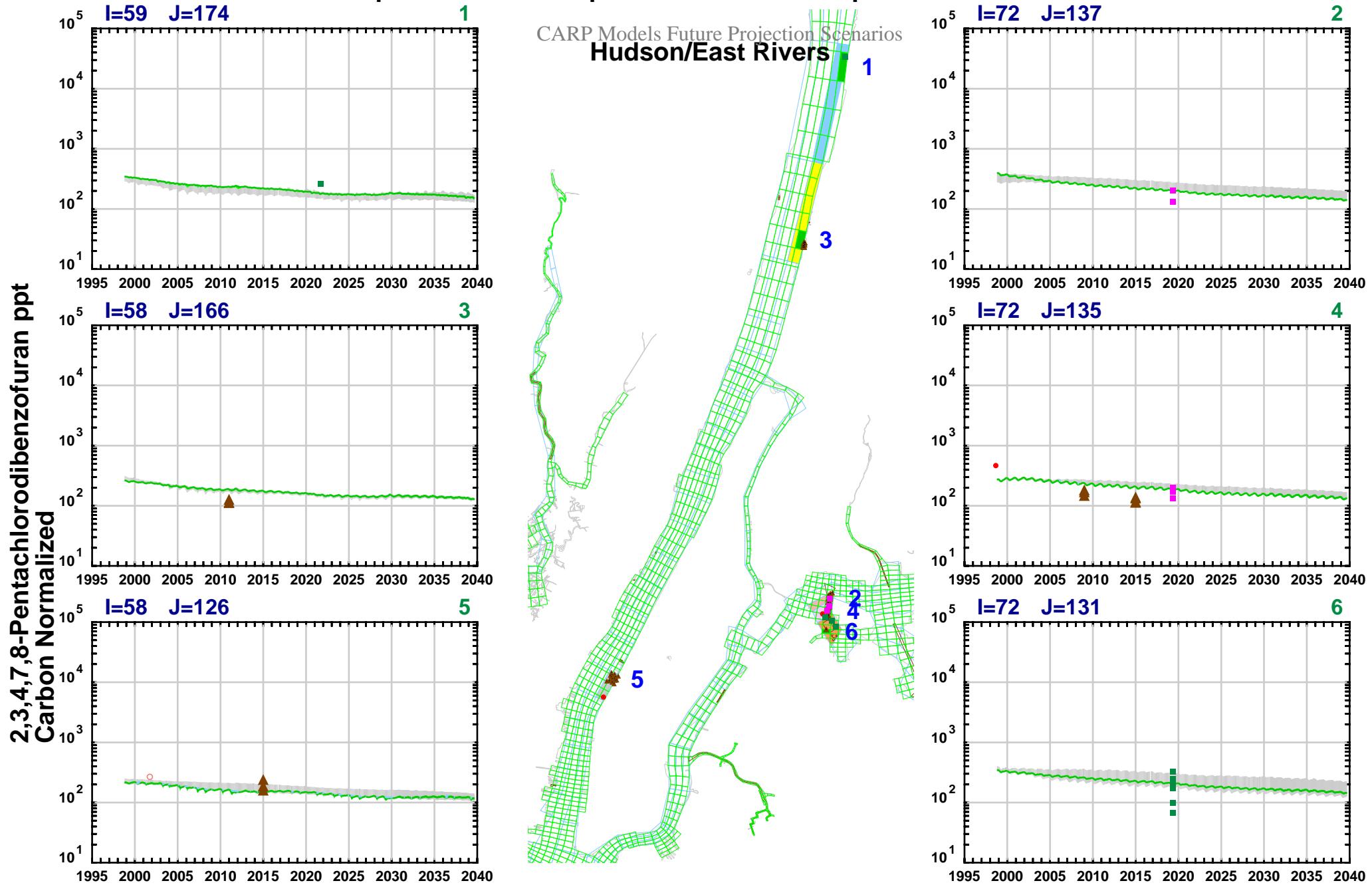
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

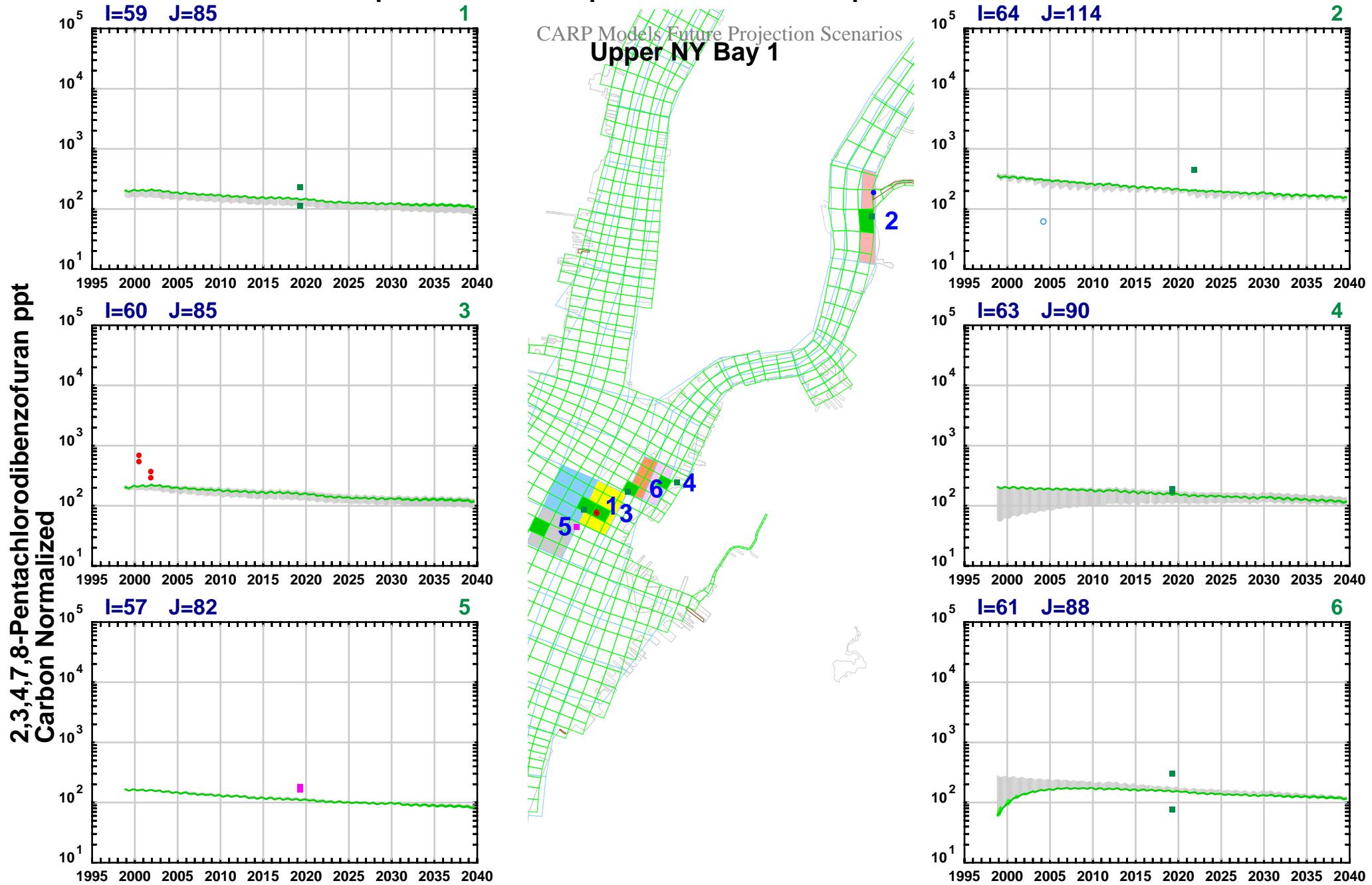
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

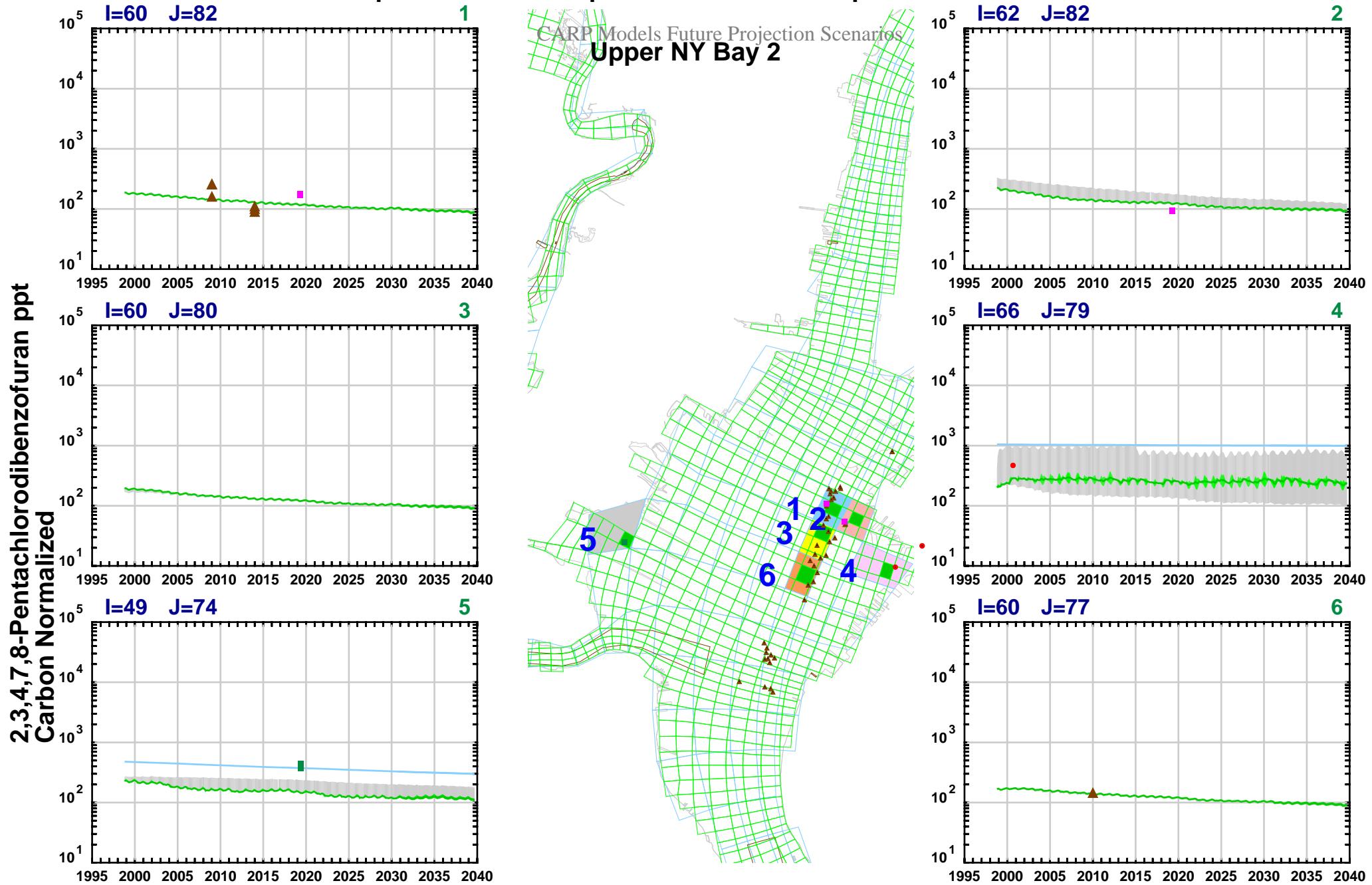
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

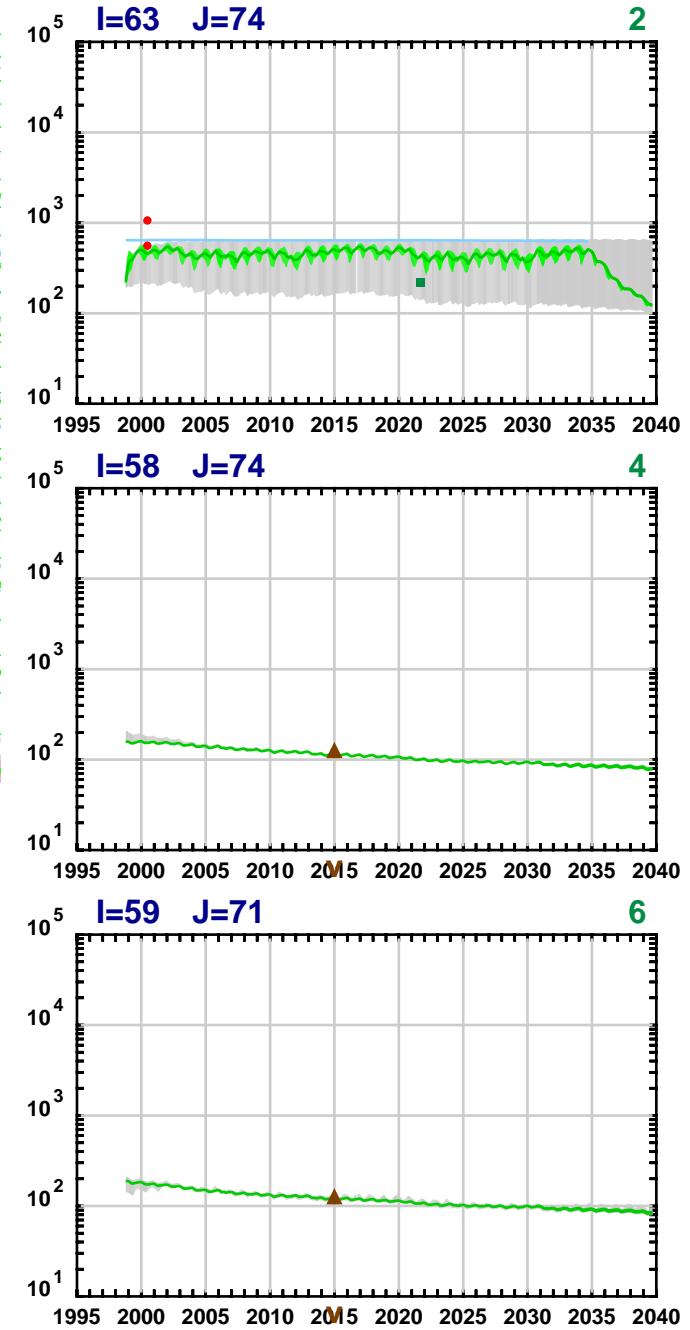
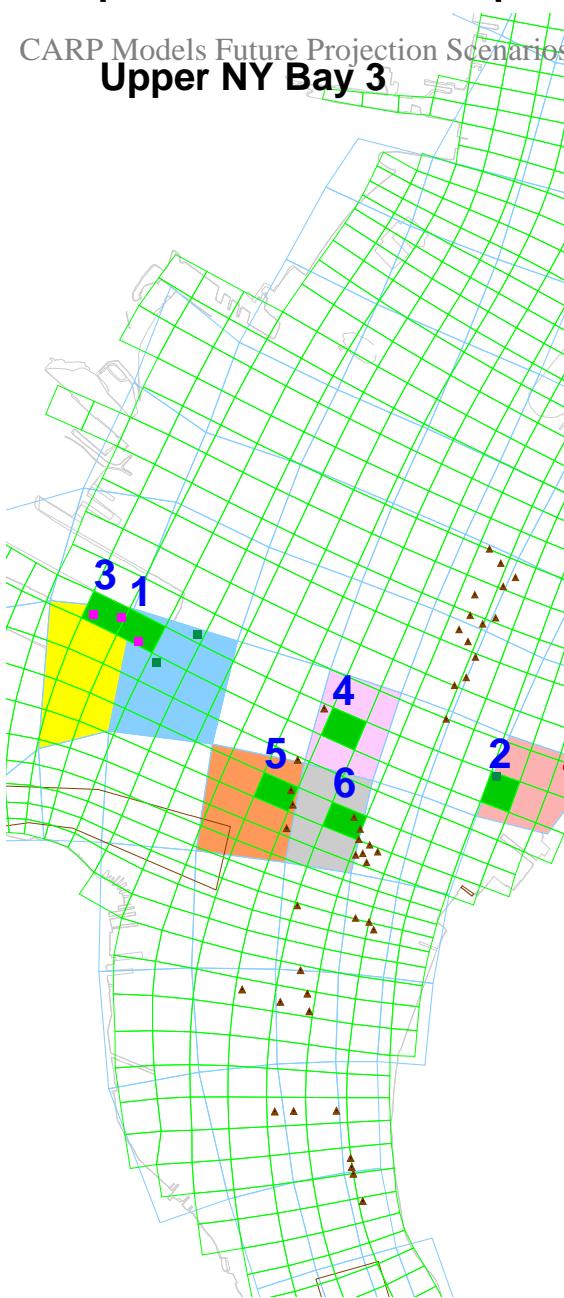
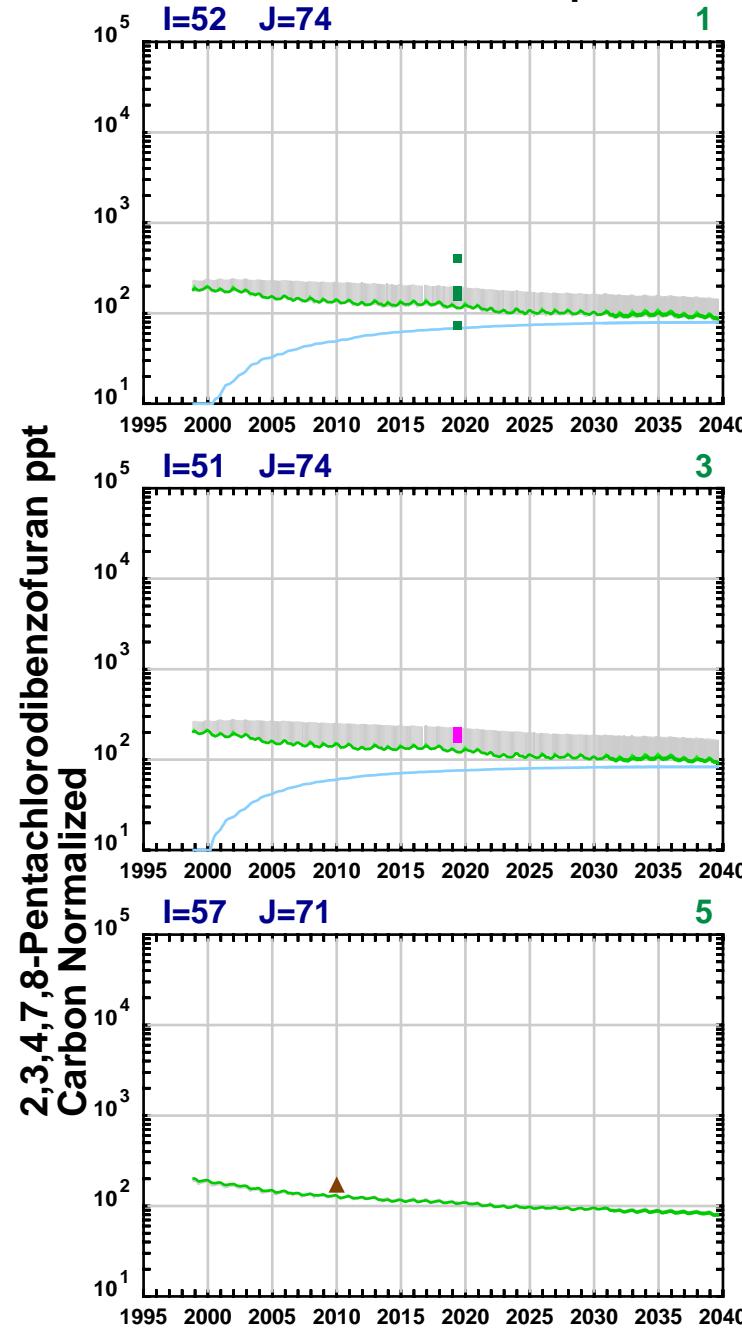
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

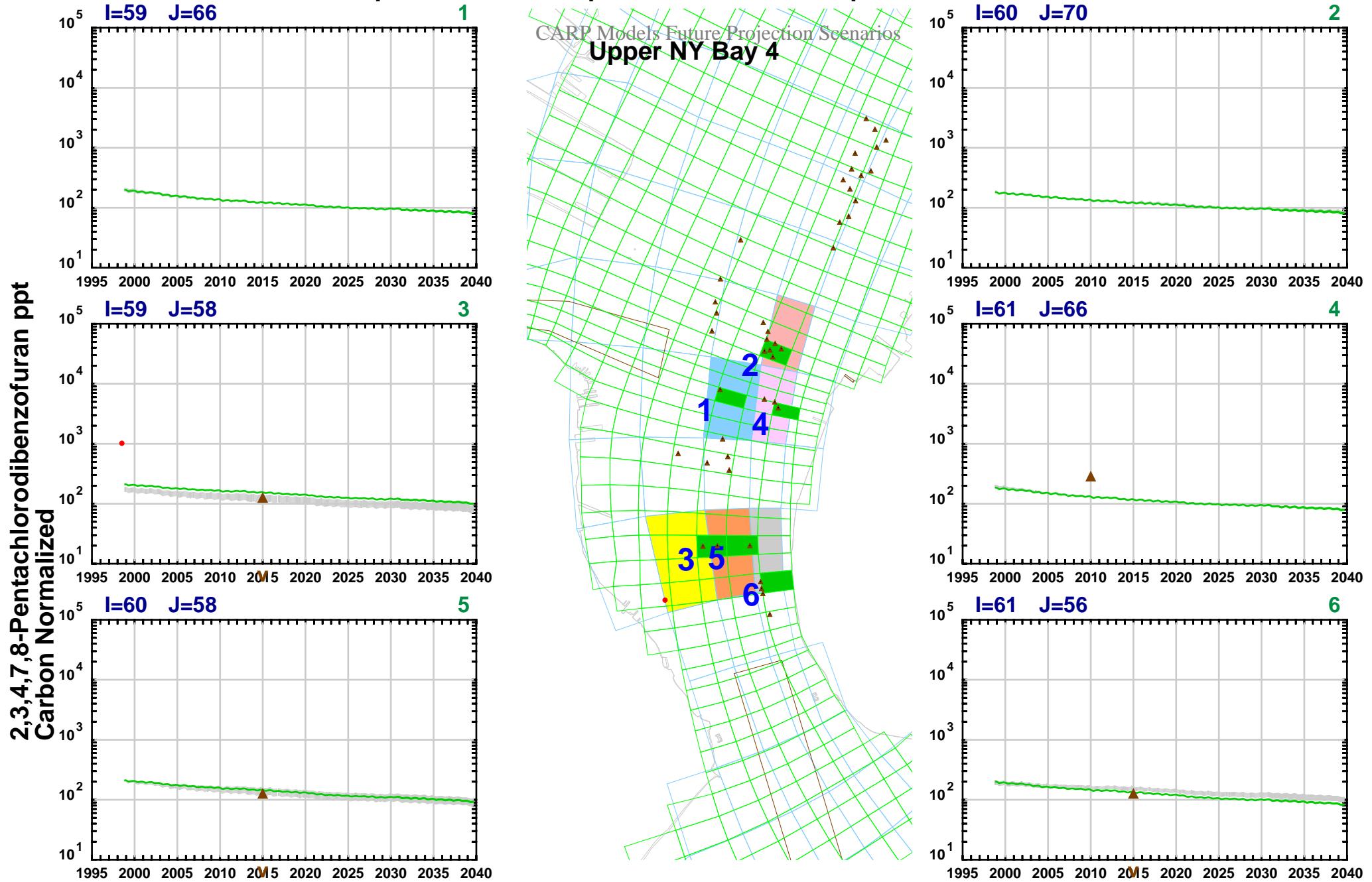
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

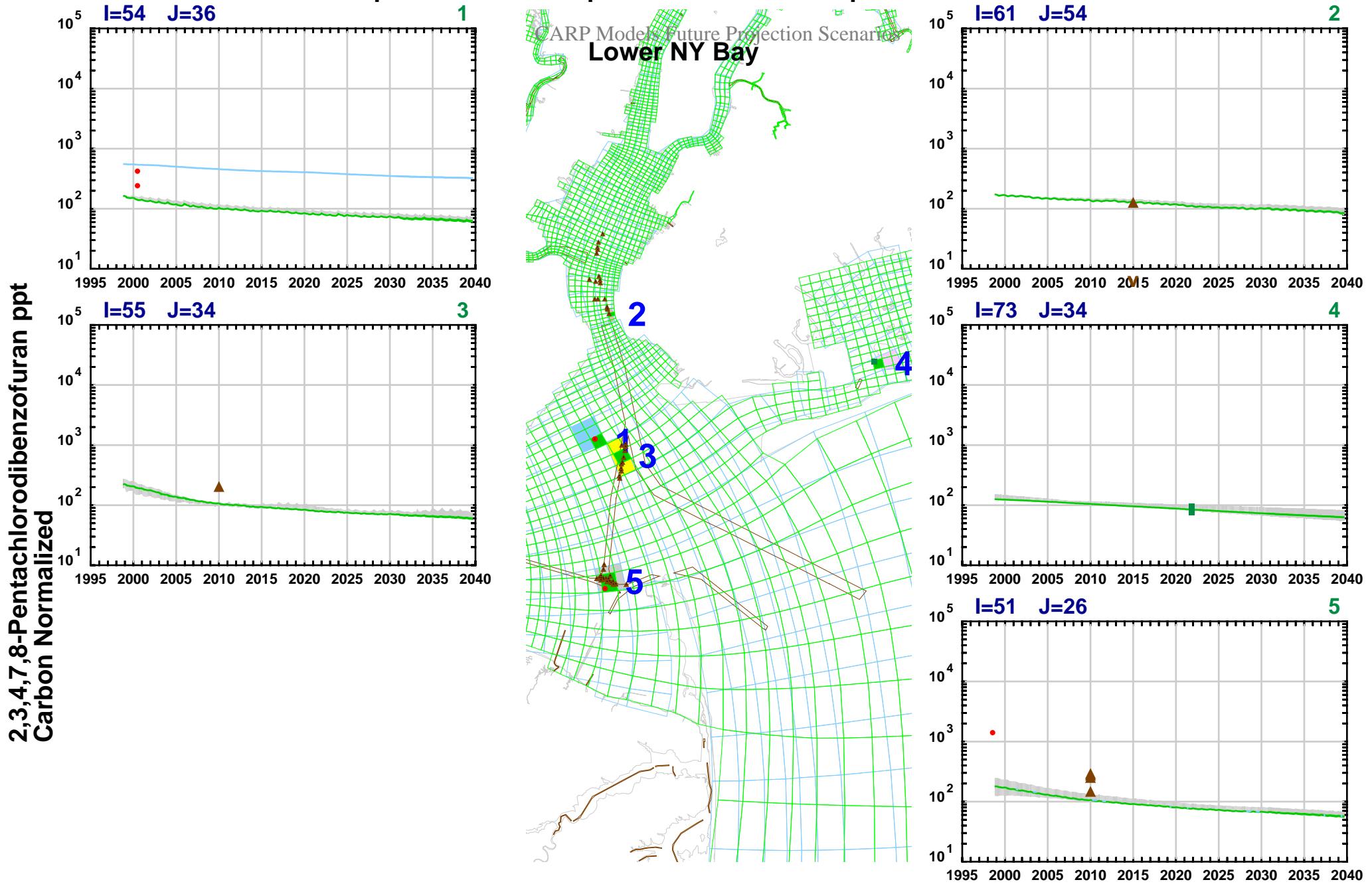
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 169 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

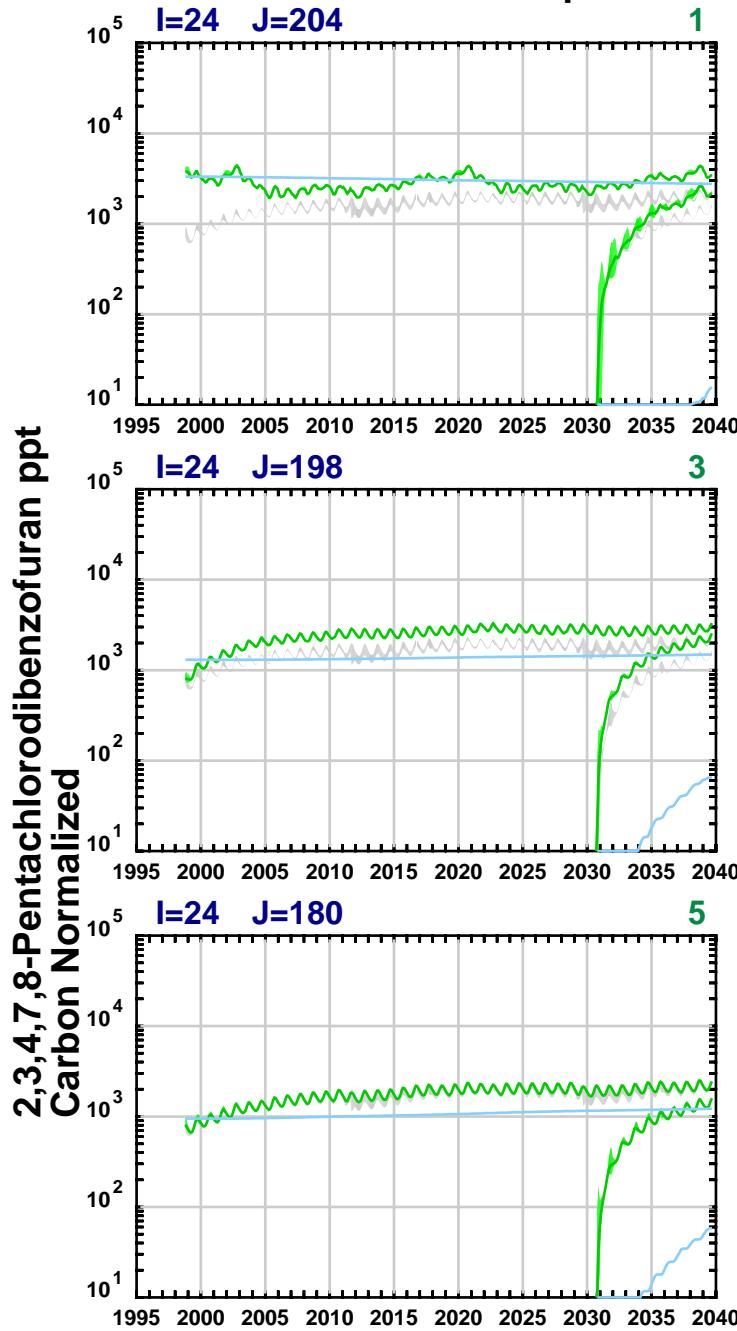
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

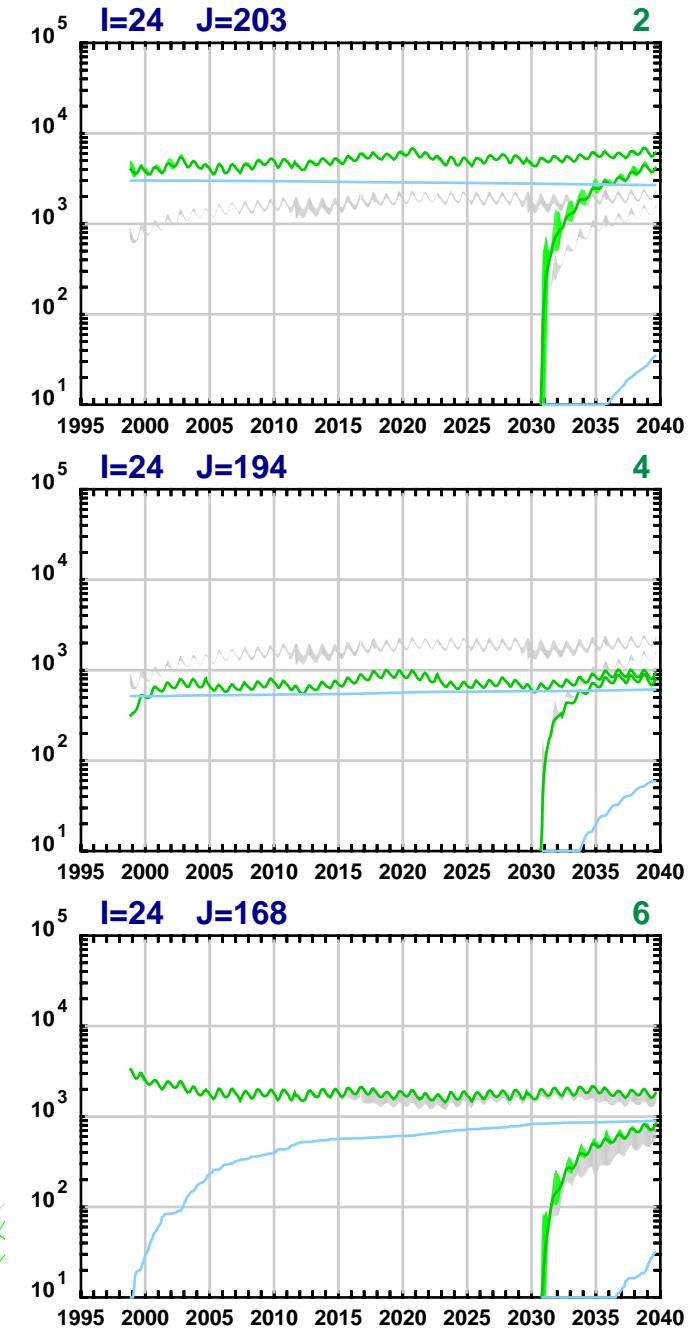
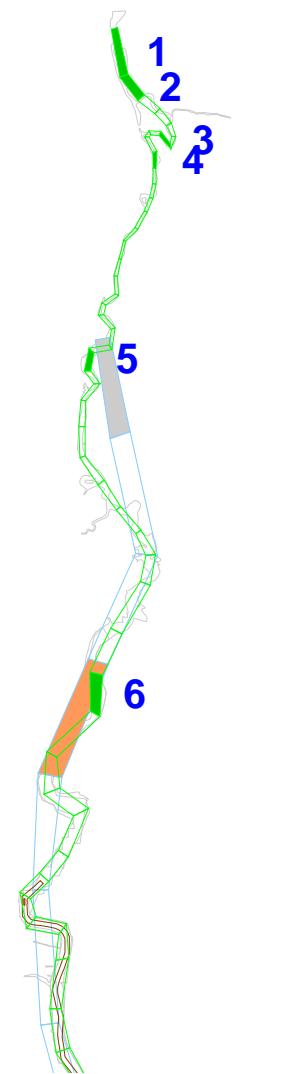
Appendix 1 Page 170 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

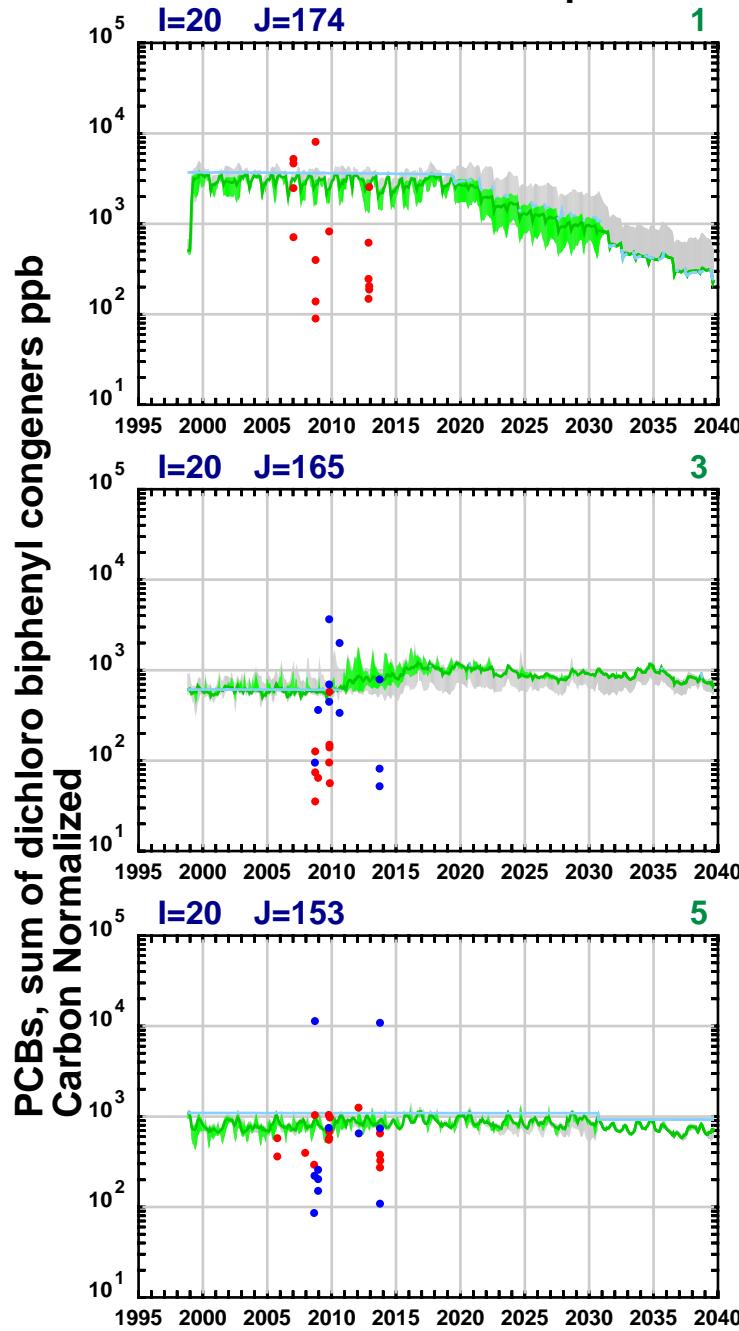
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

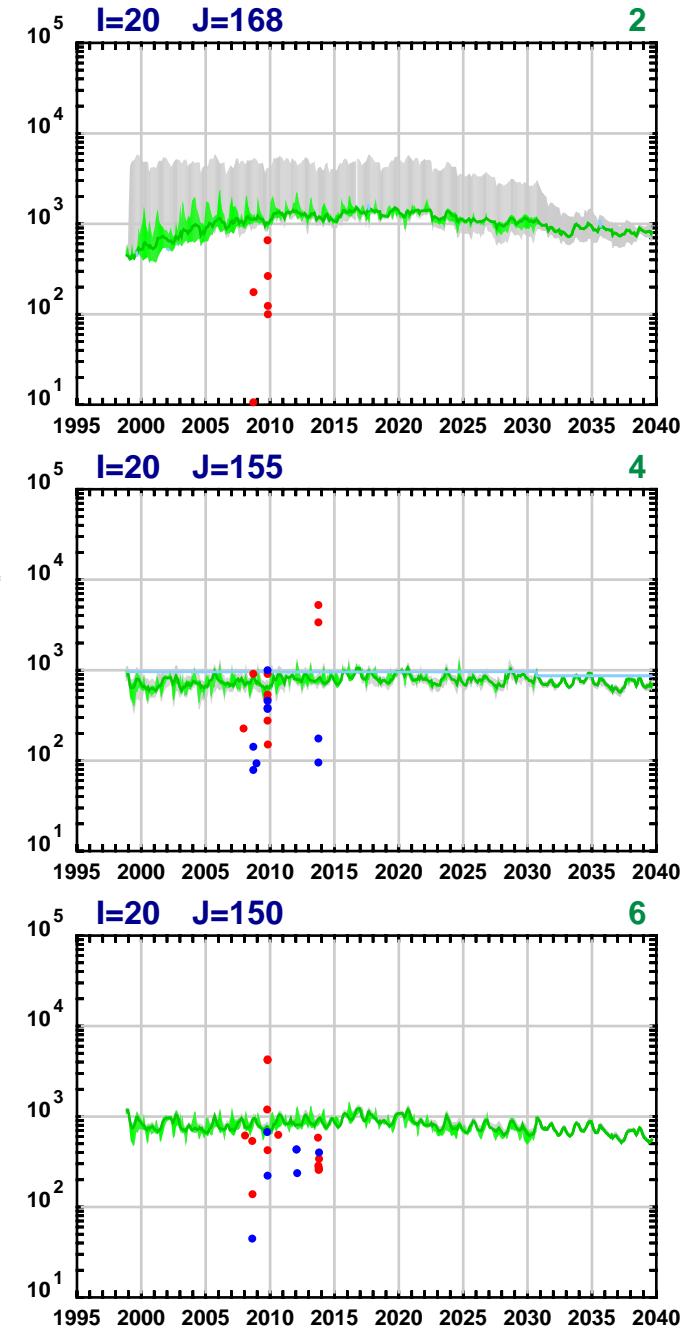
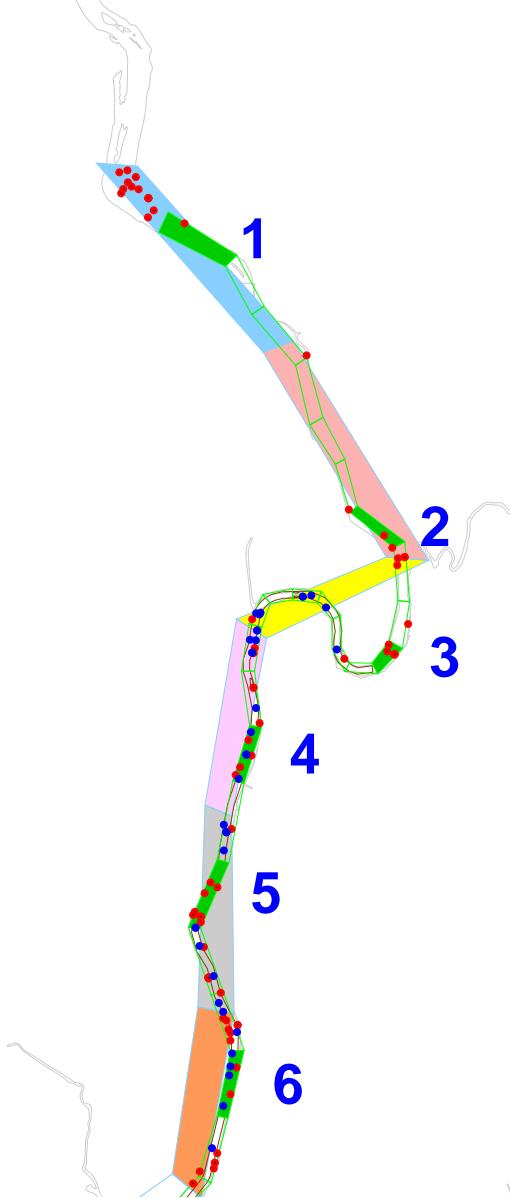
Appendix 1 Page 171 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

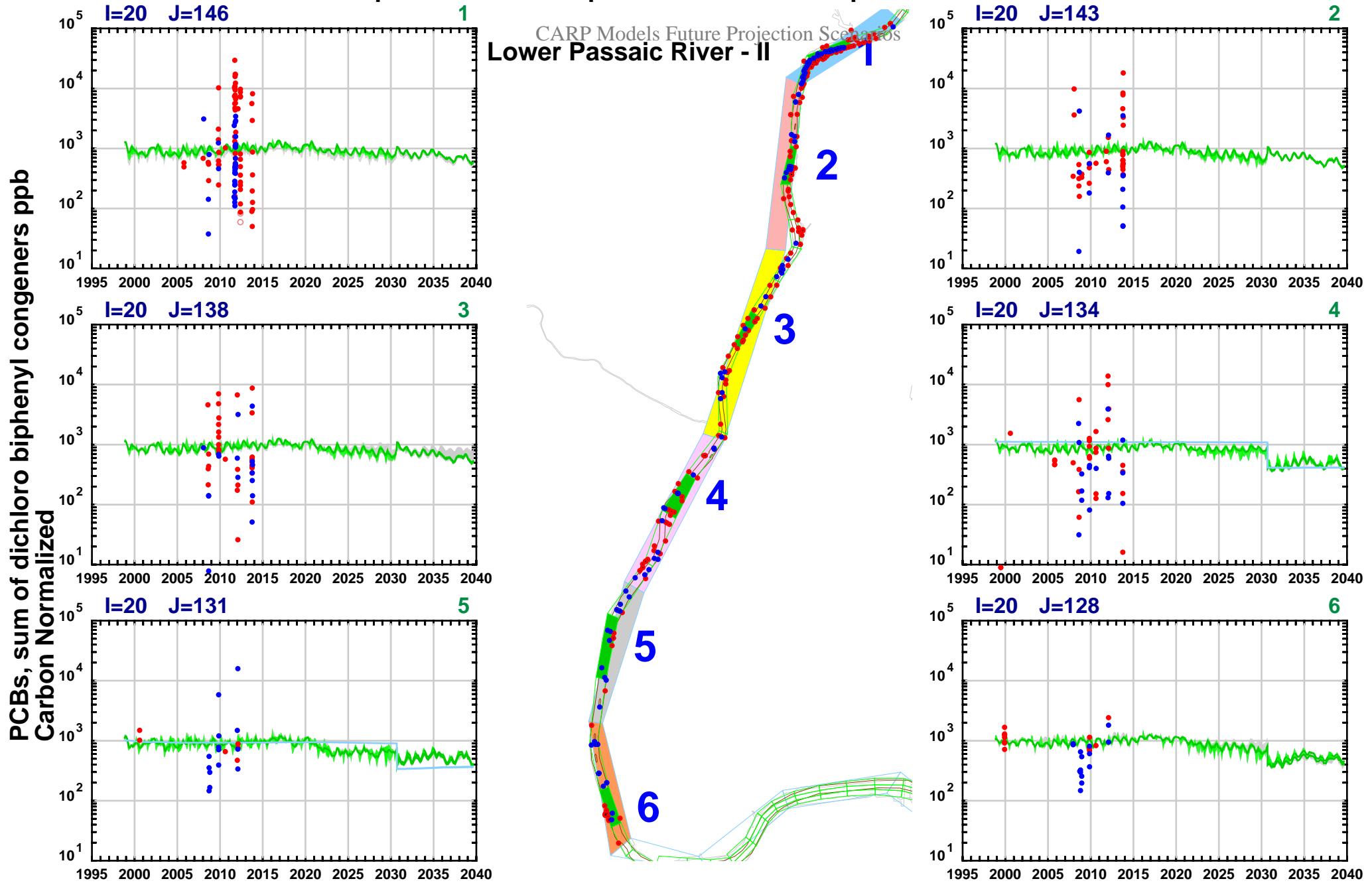
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 172 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

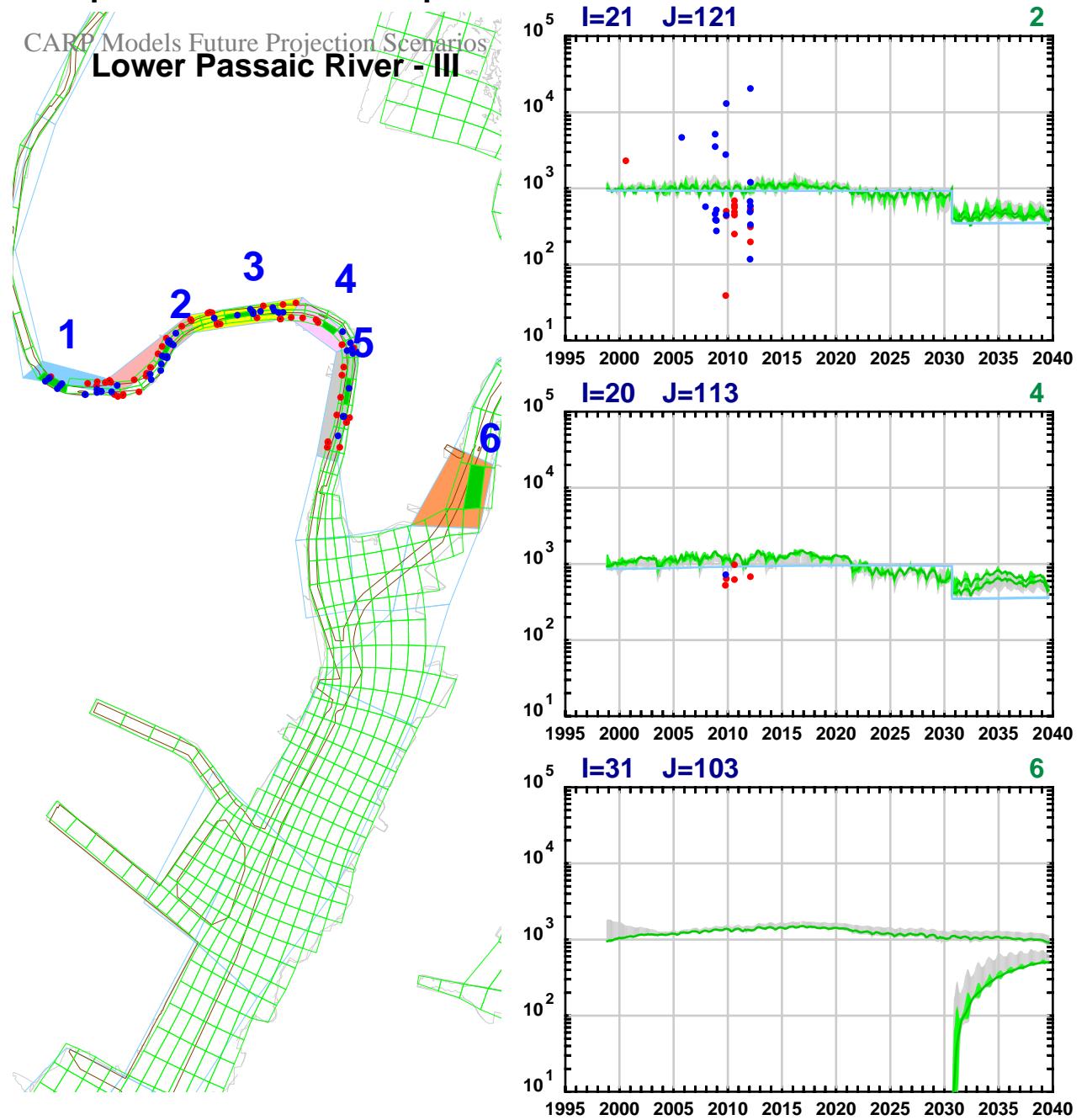
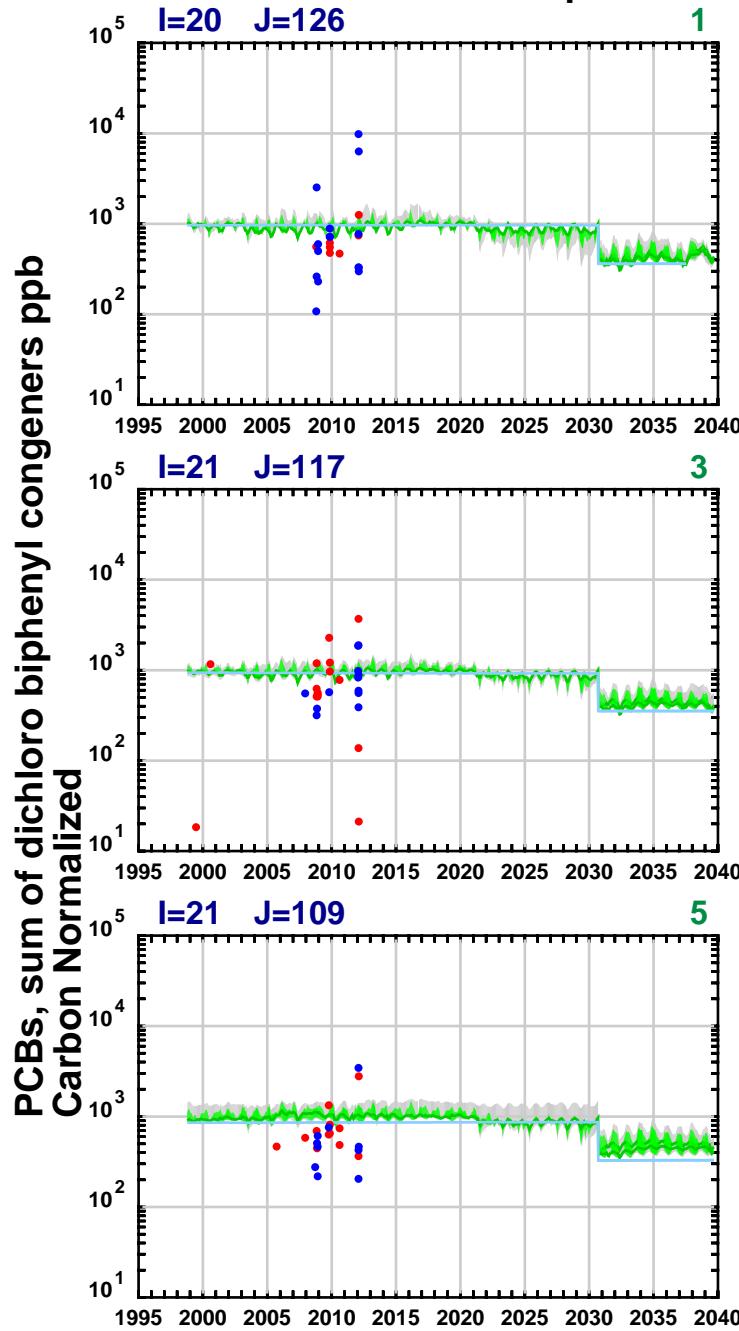
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 173 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

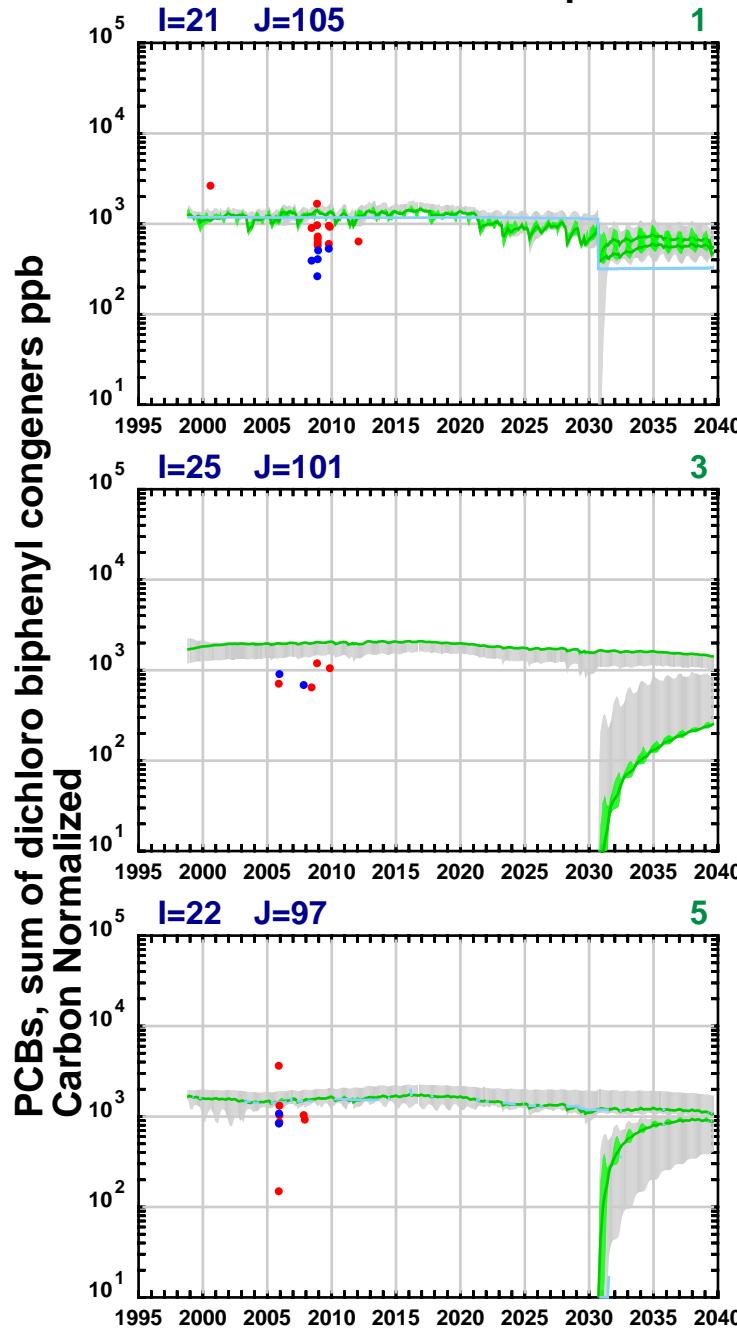
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

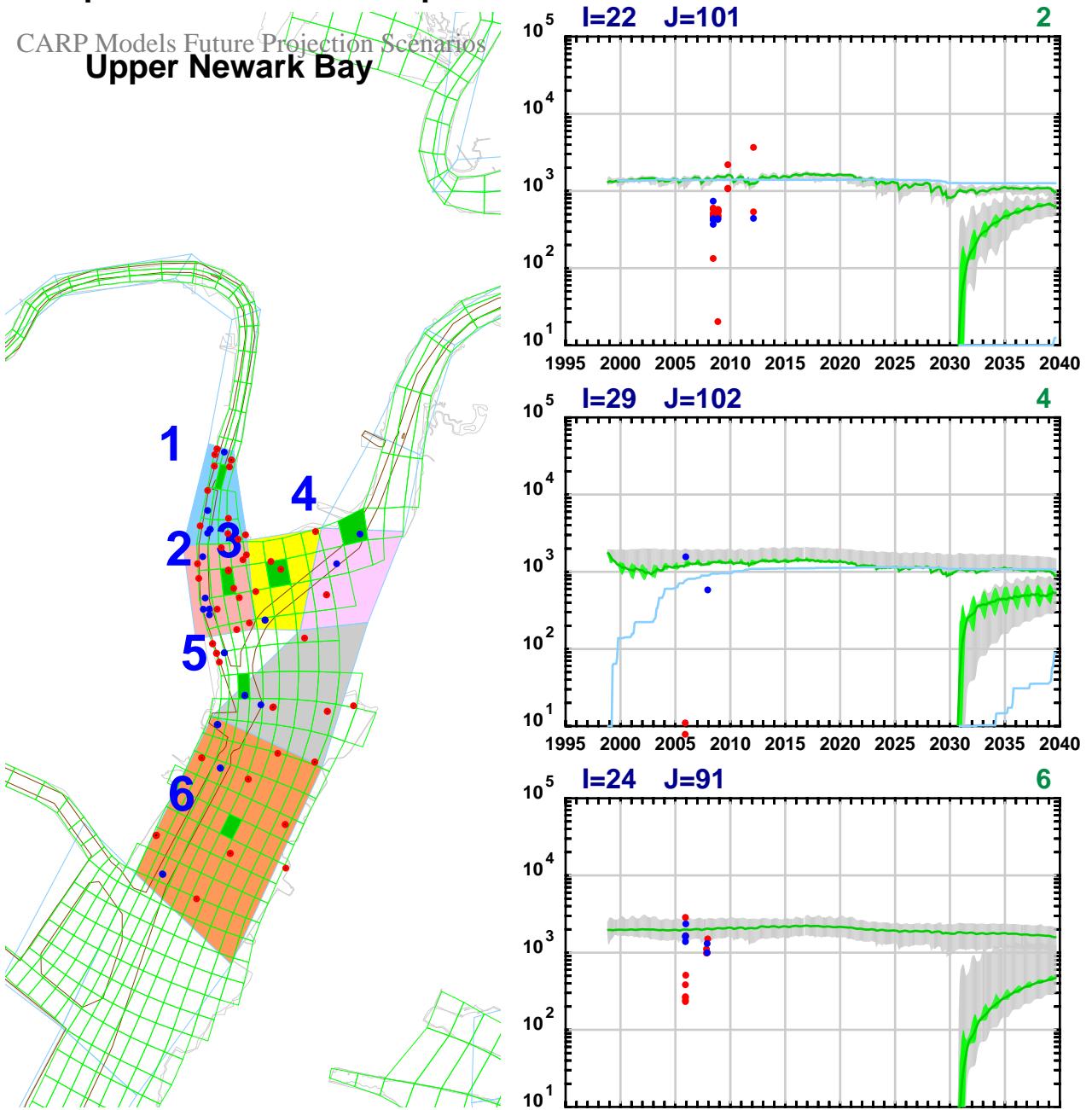
Appendix 1 Page 174 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

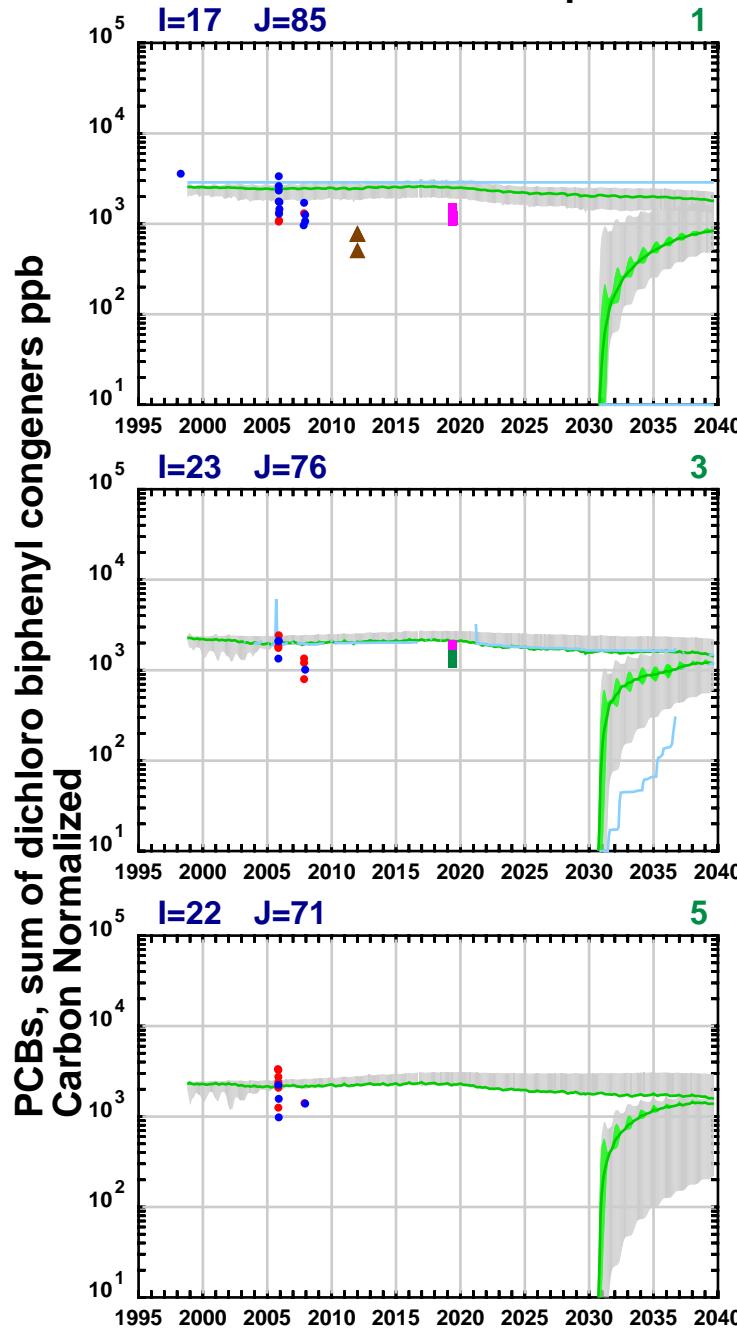
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

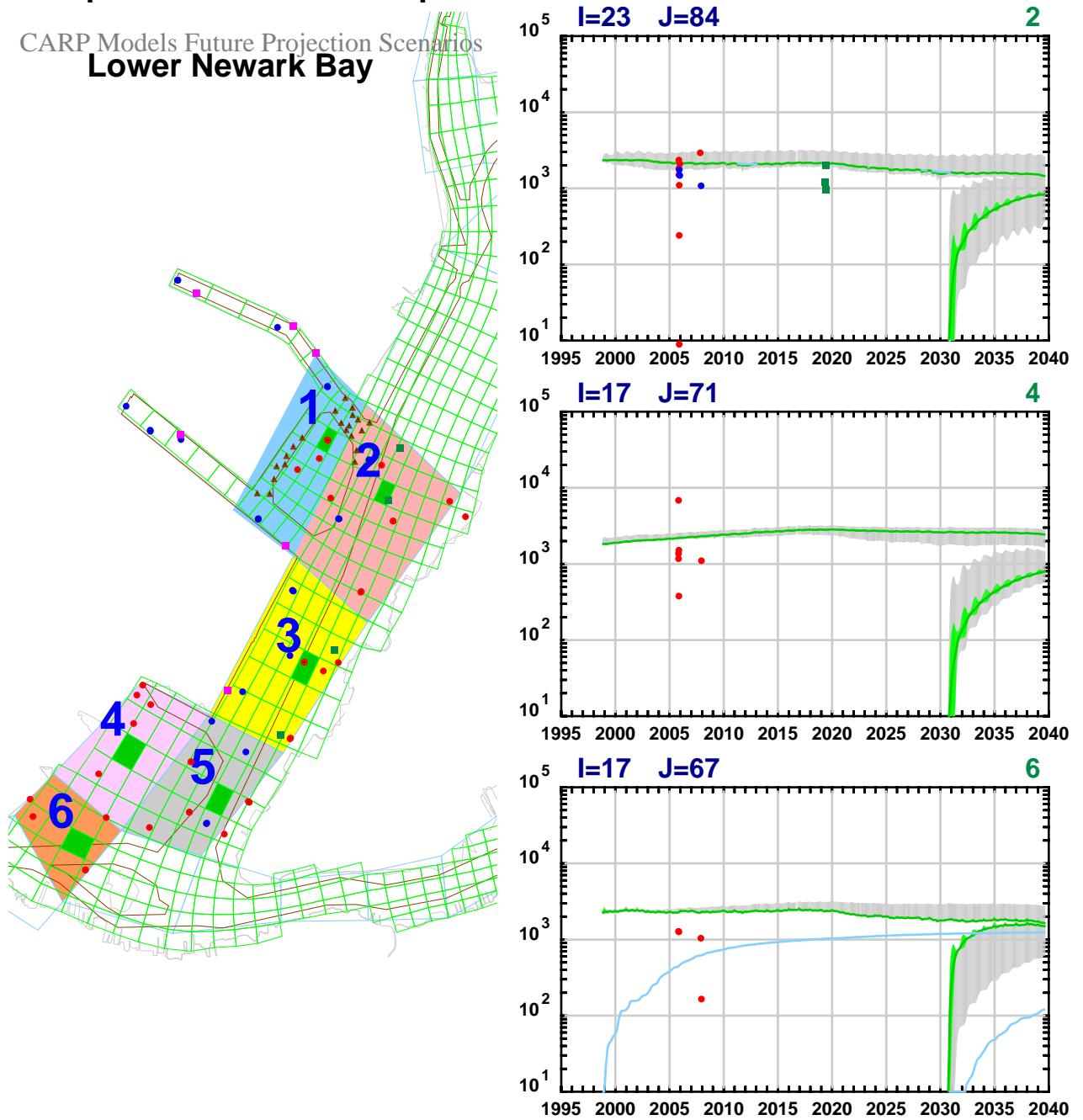
Appendix 1 Page 175 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

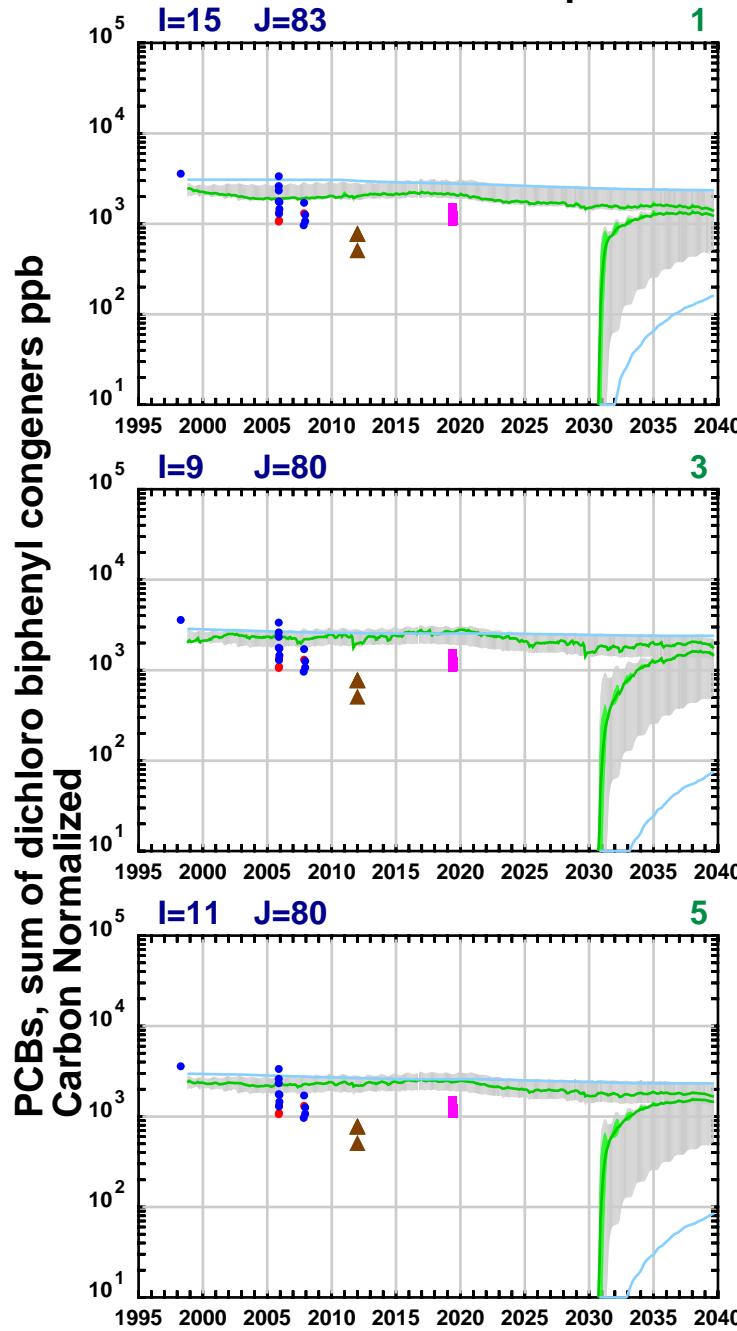
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

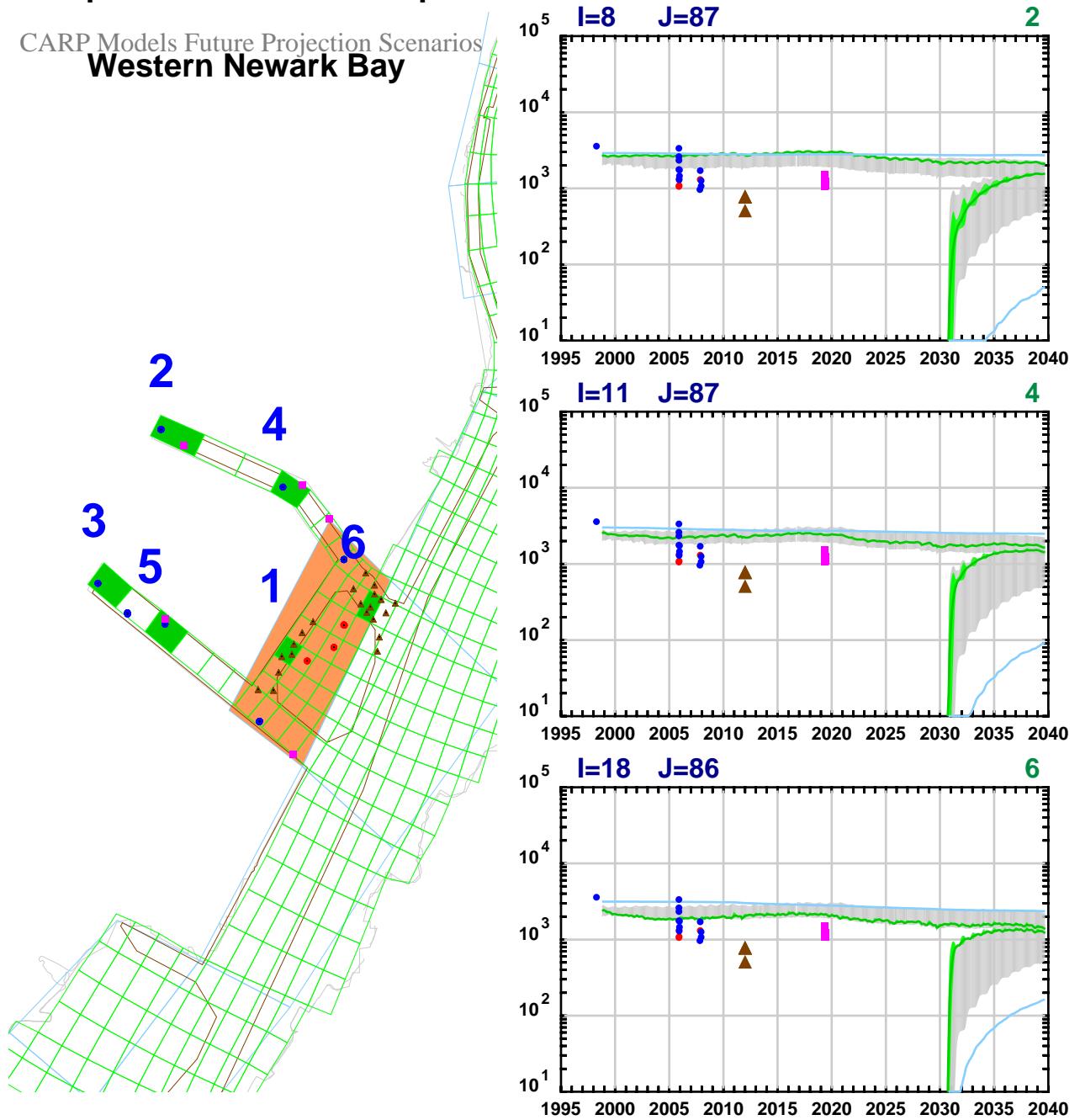
Appendix 1 Page 176 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

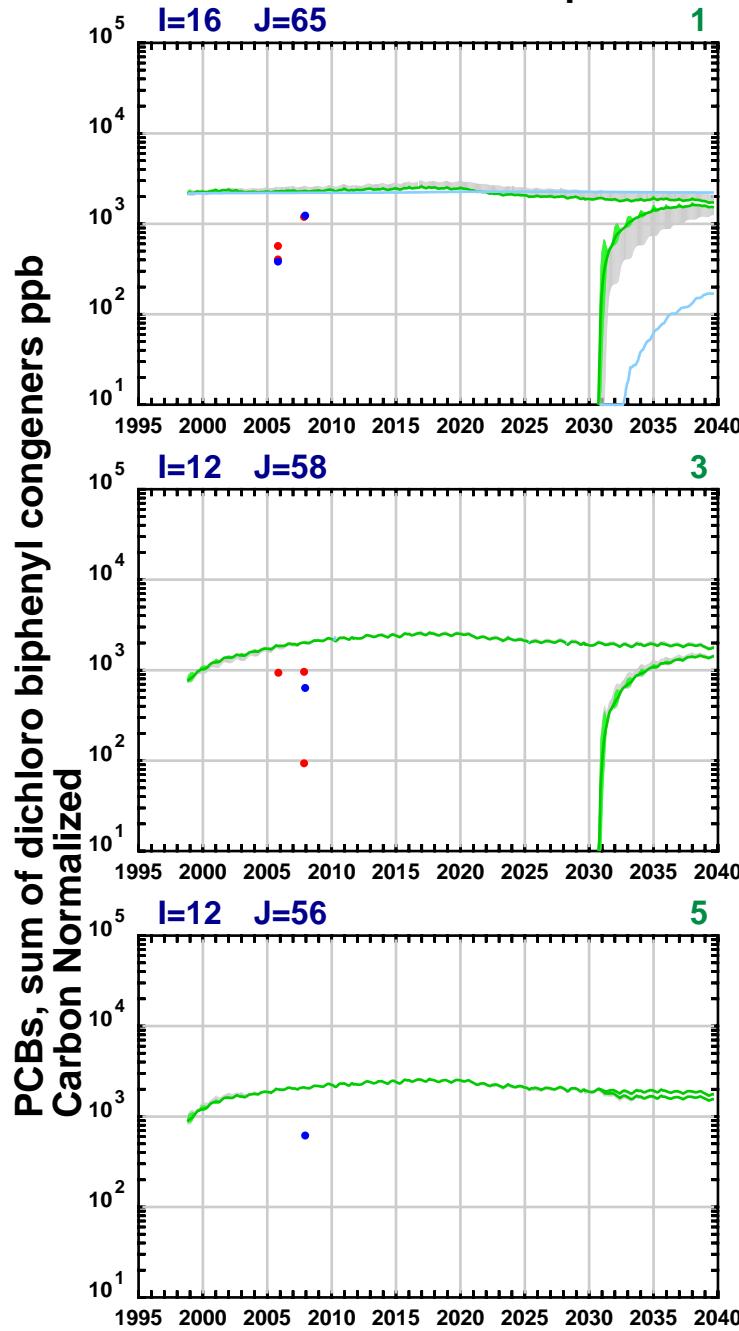
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

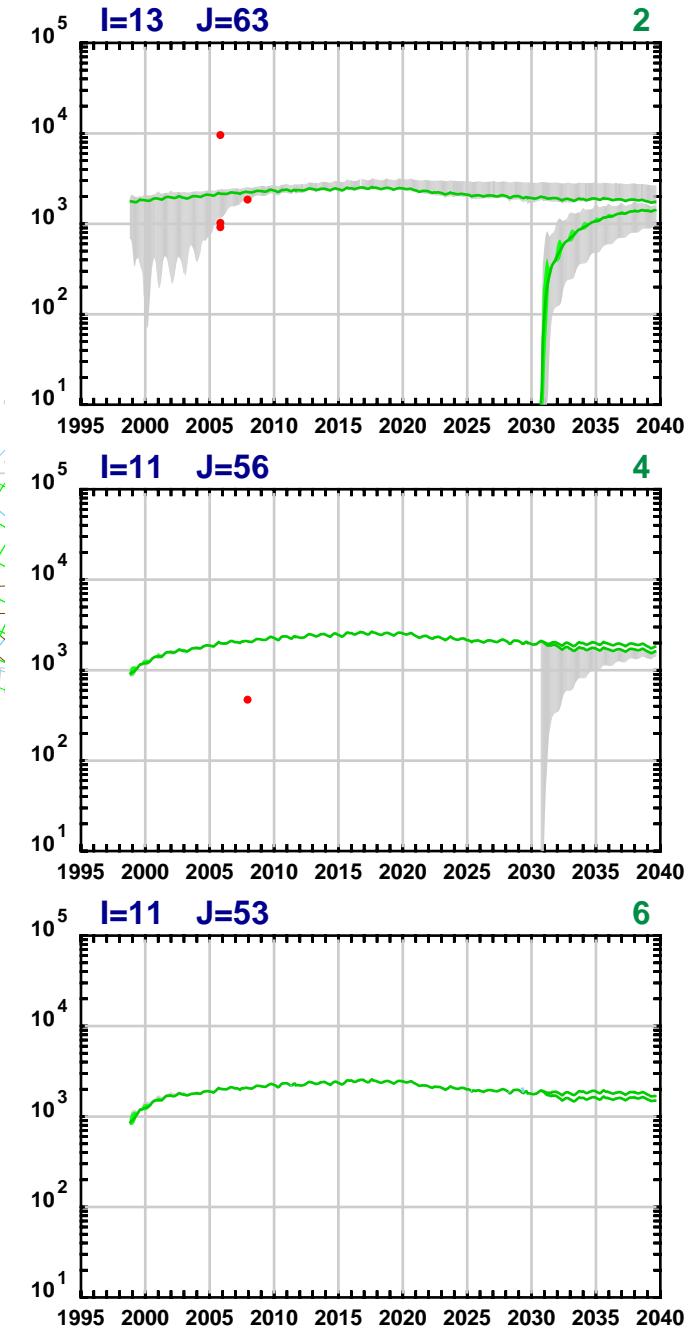
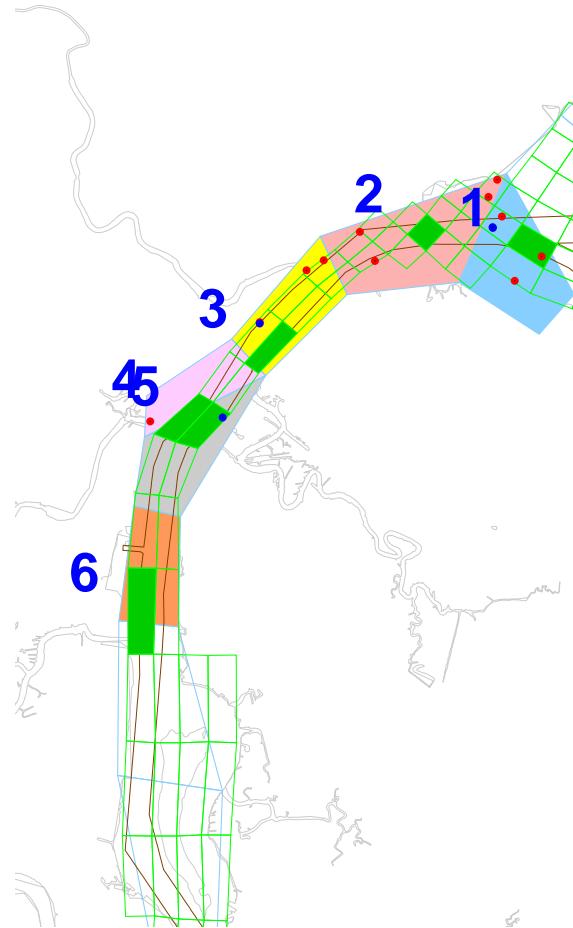
Appendix 1 Page 177 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

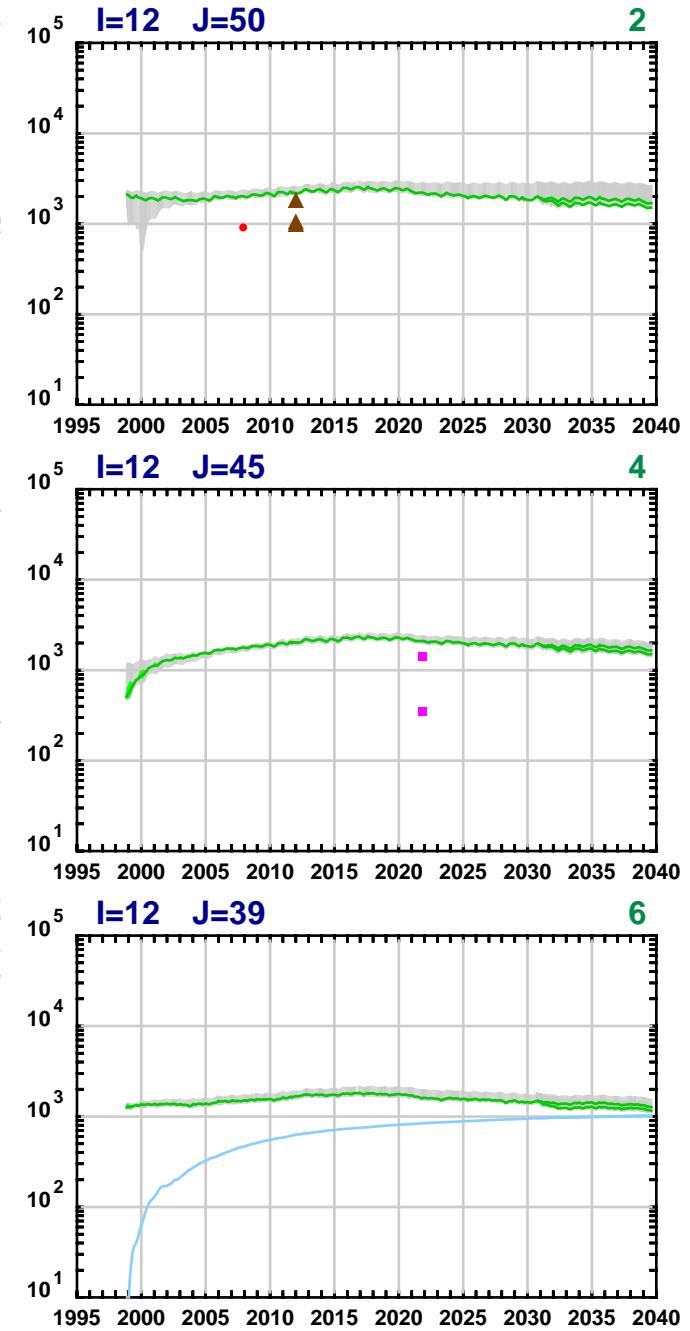
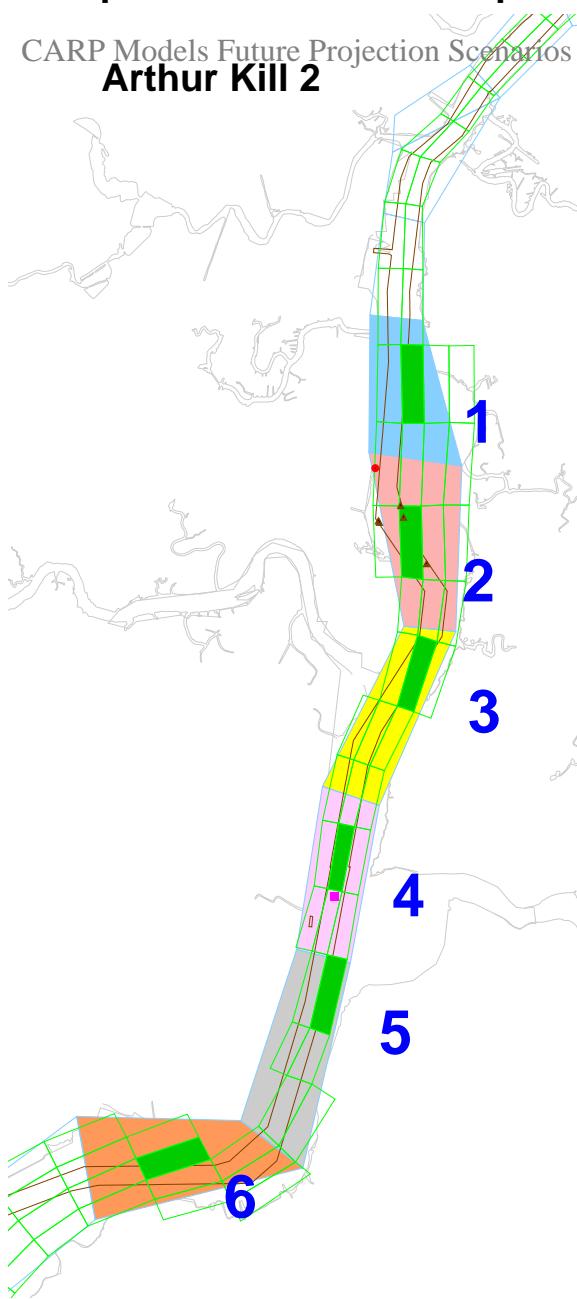
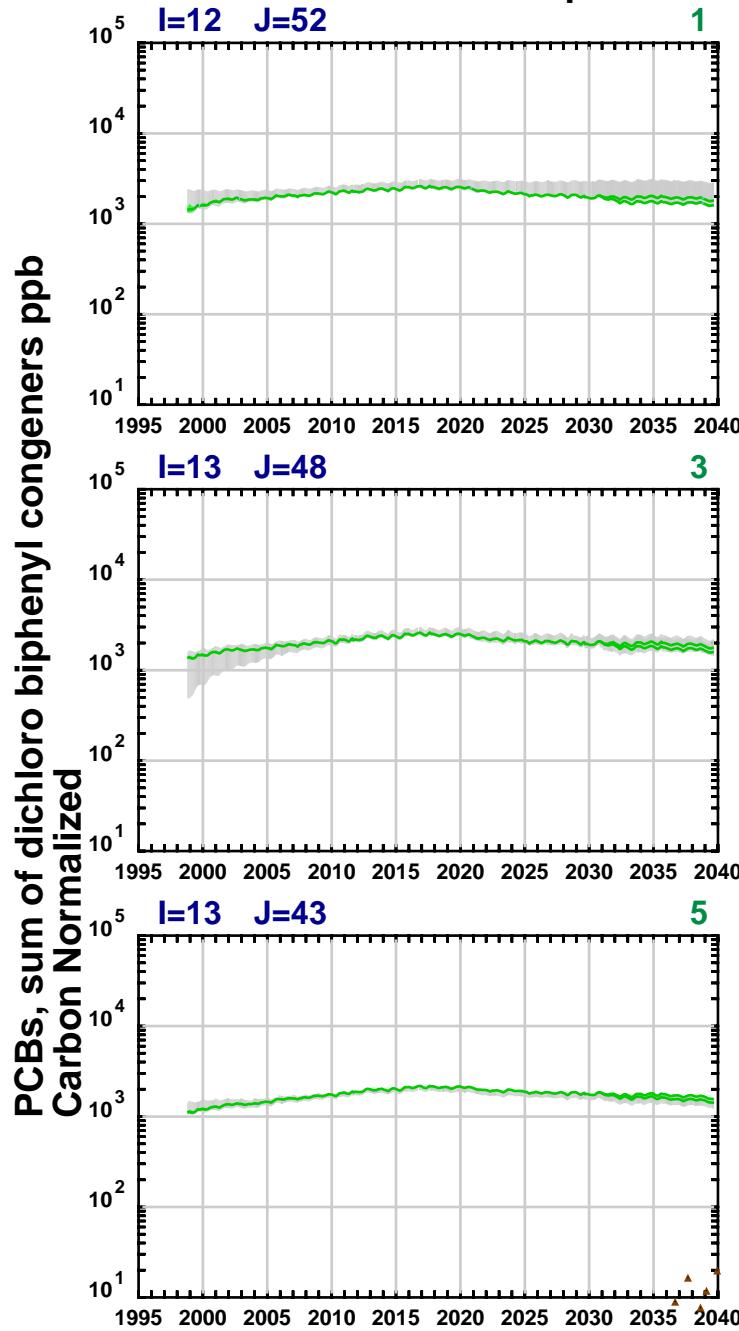
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 178 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

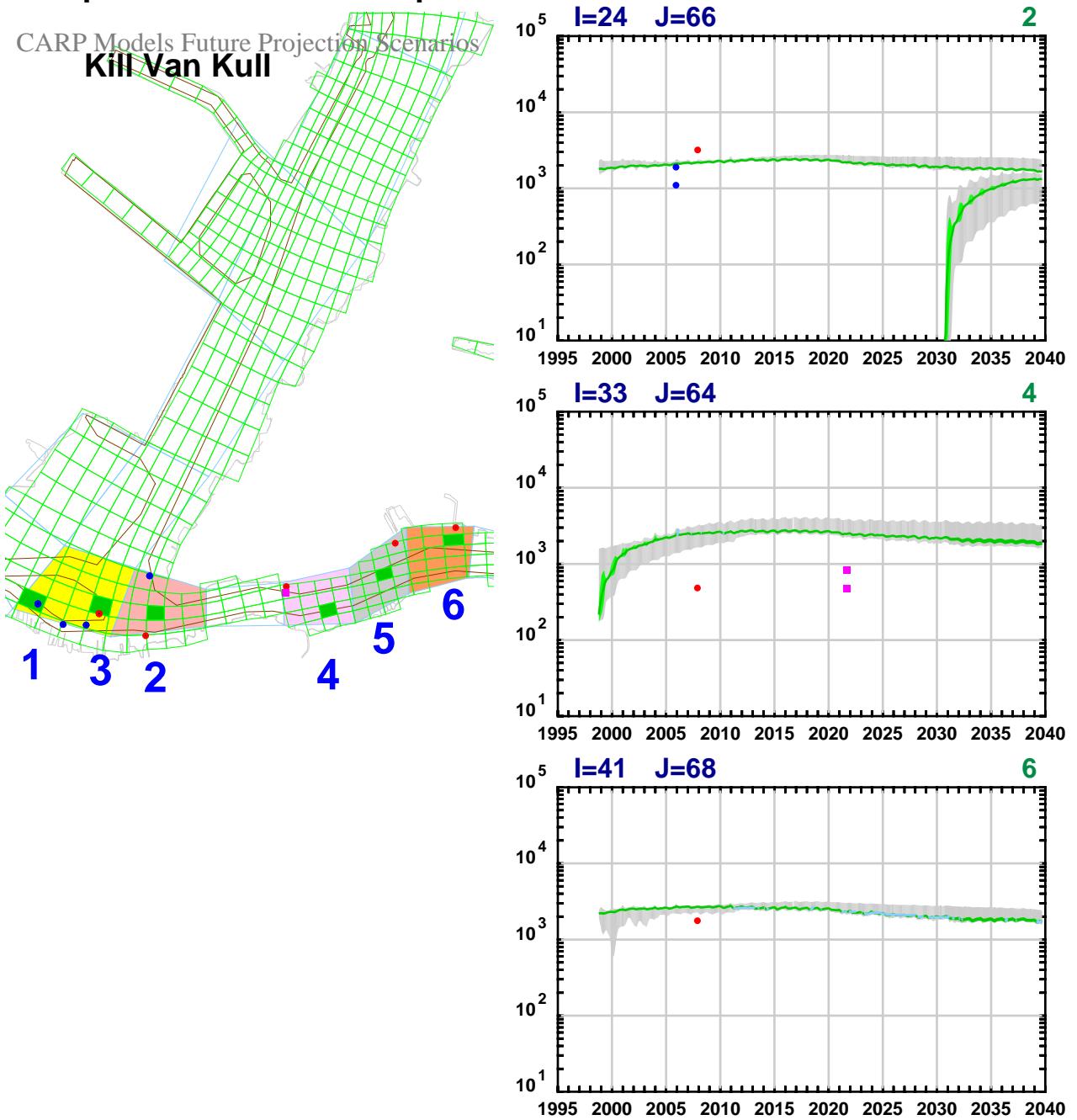
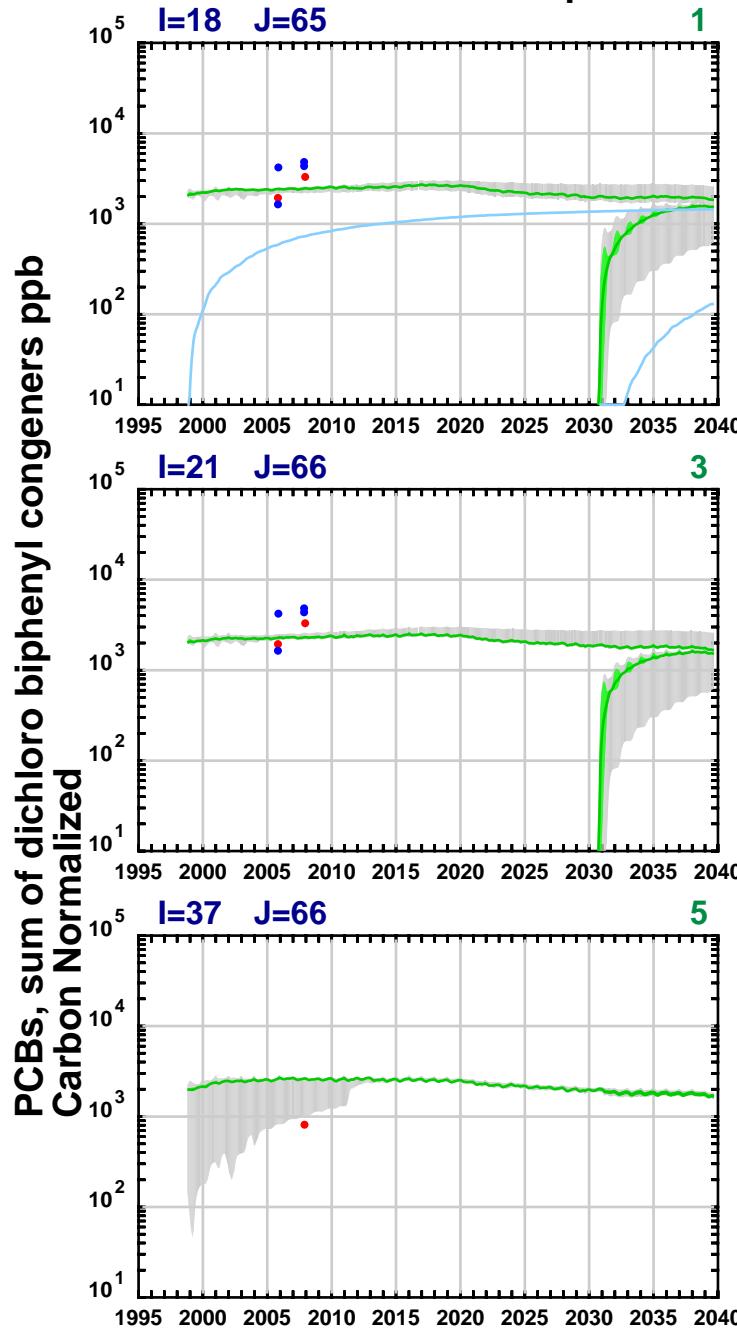
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

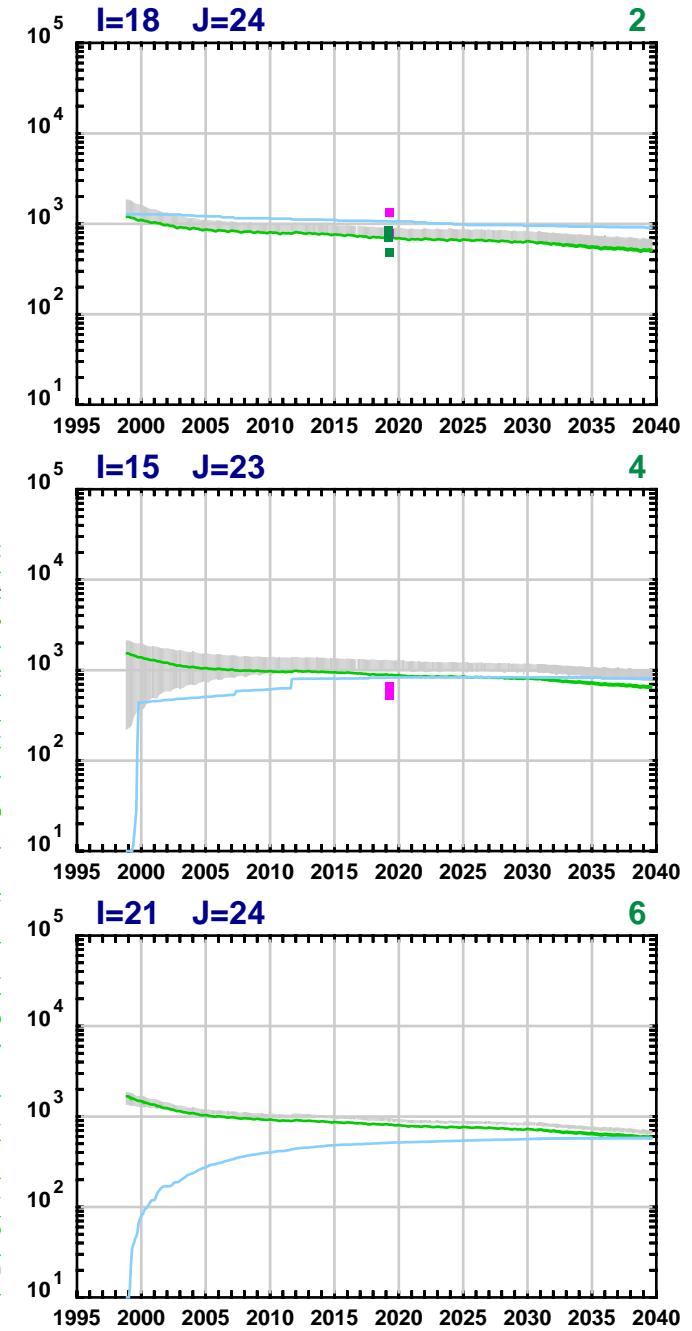
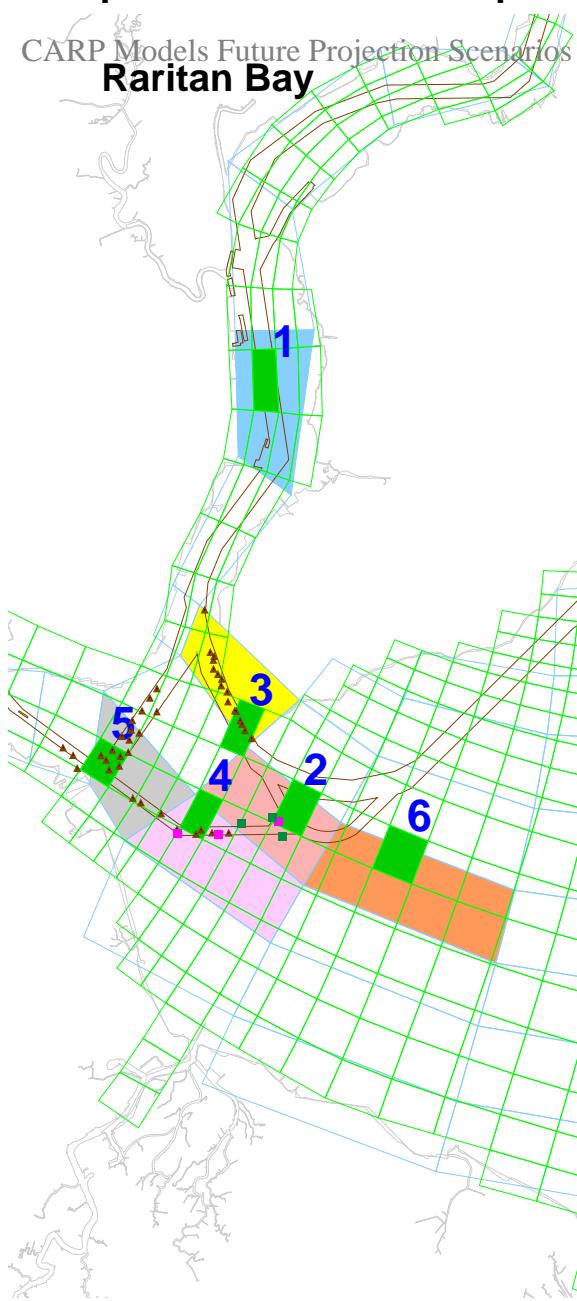
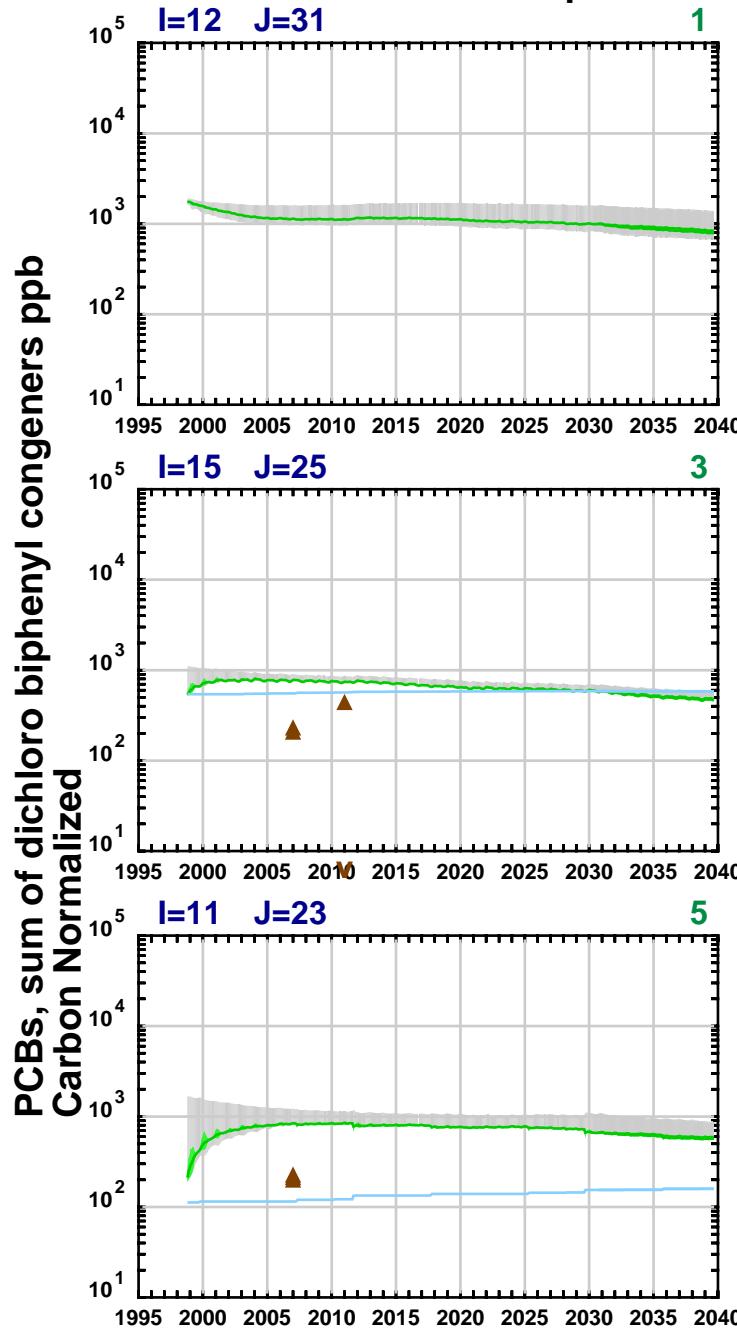
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

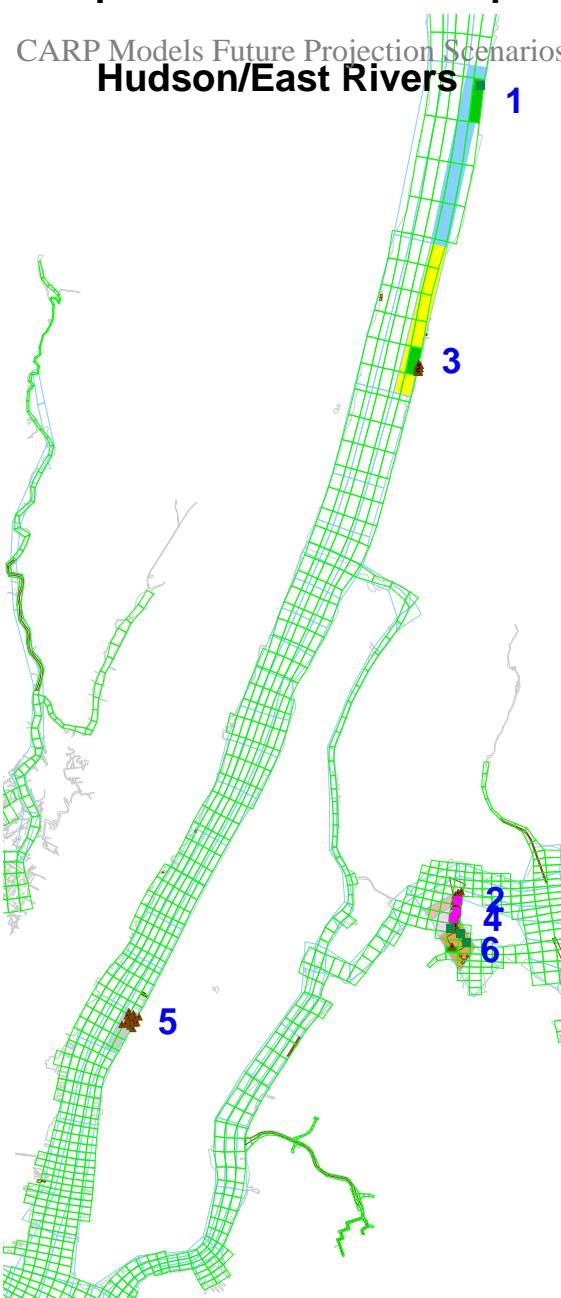
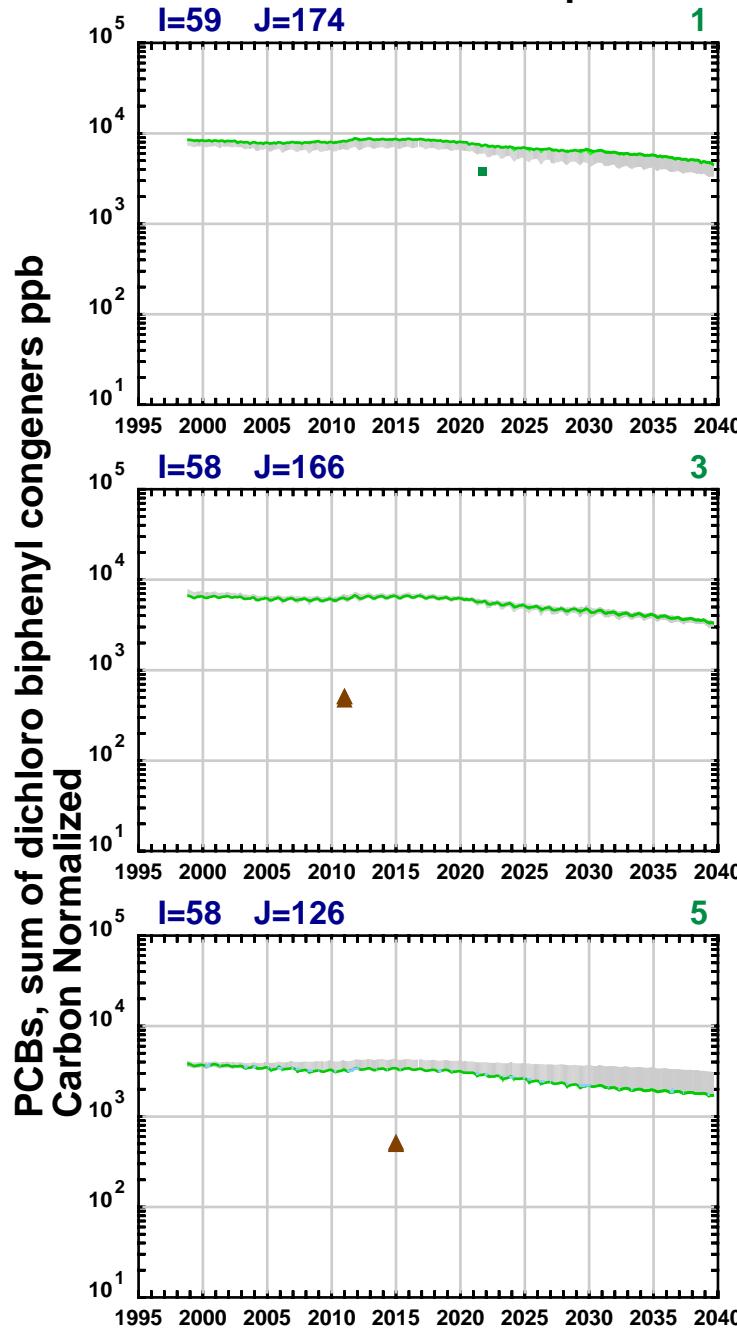
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

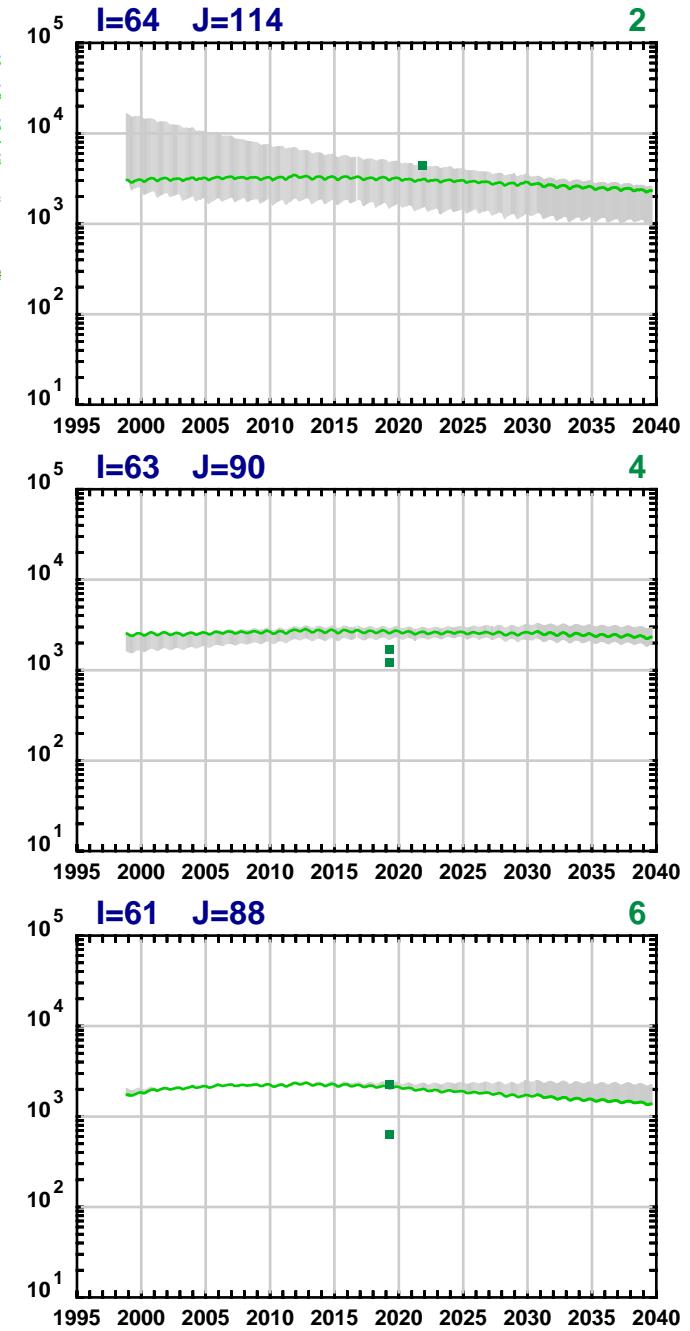
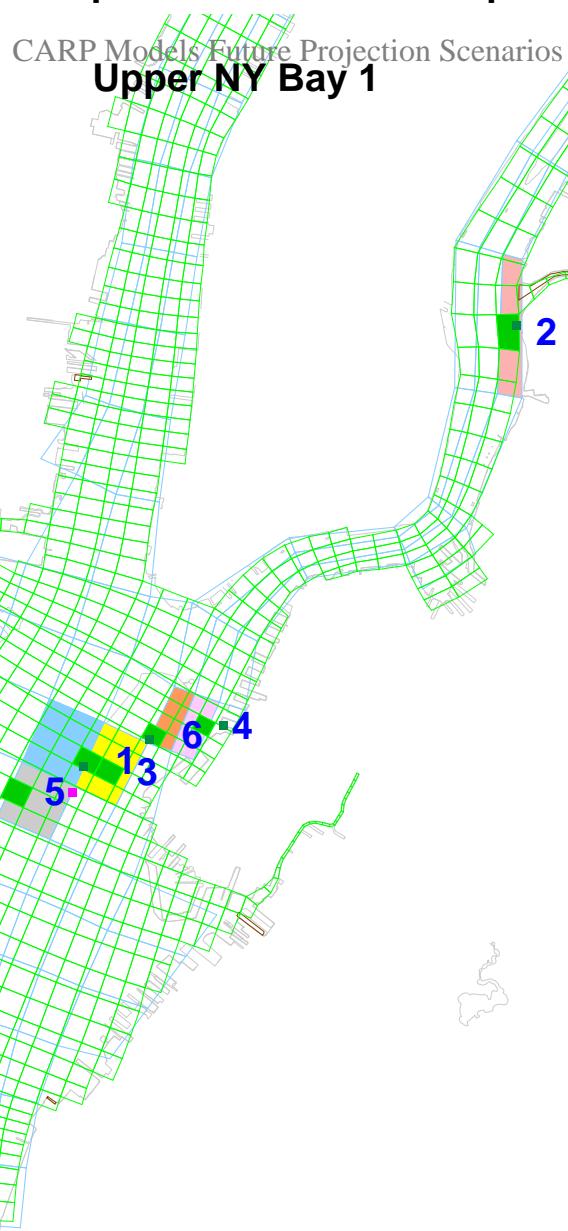
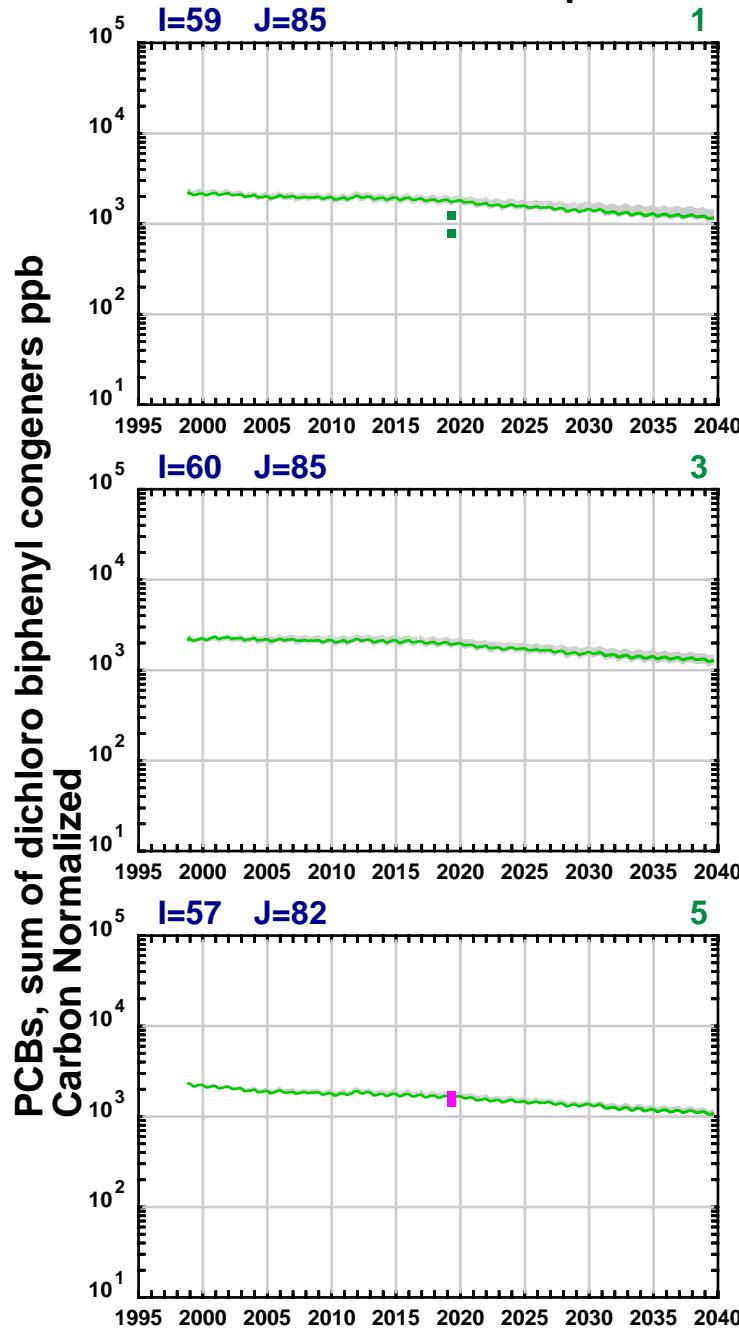
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

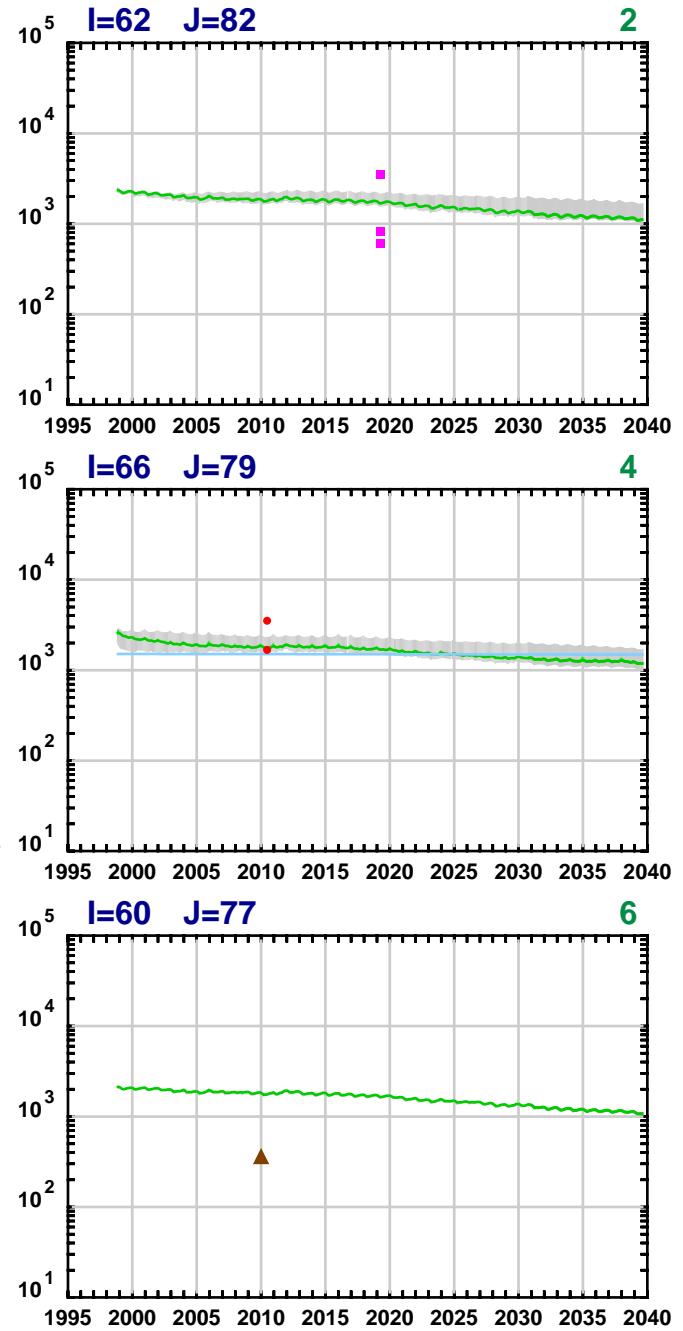
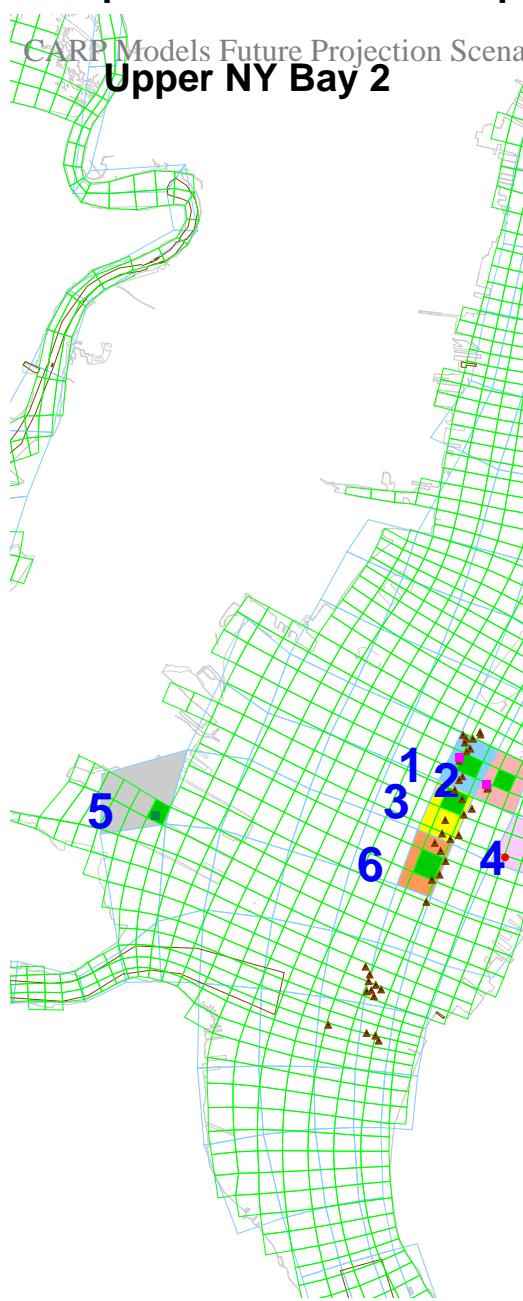
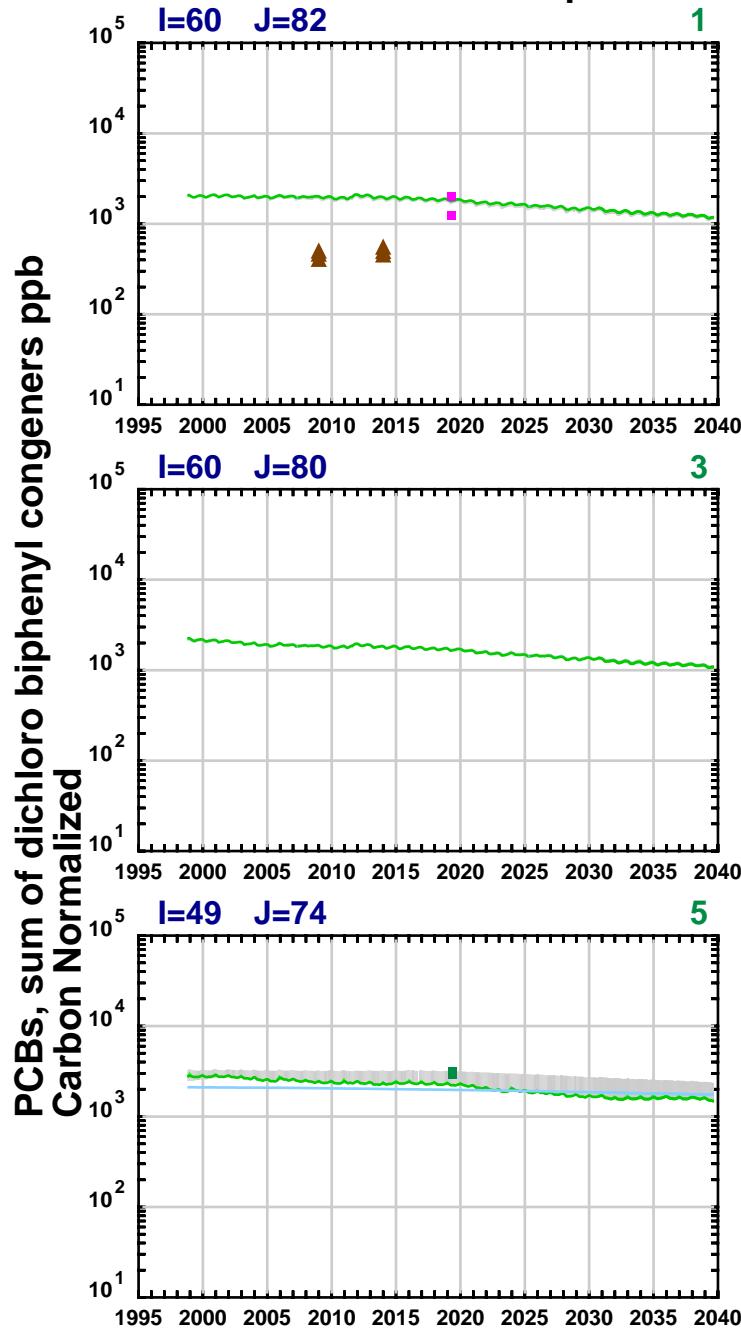
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 183 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

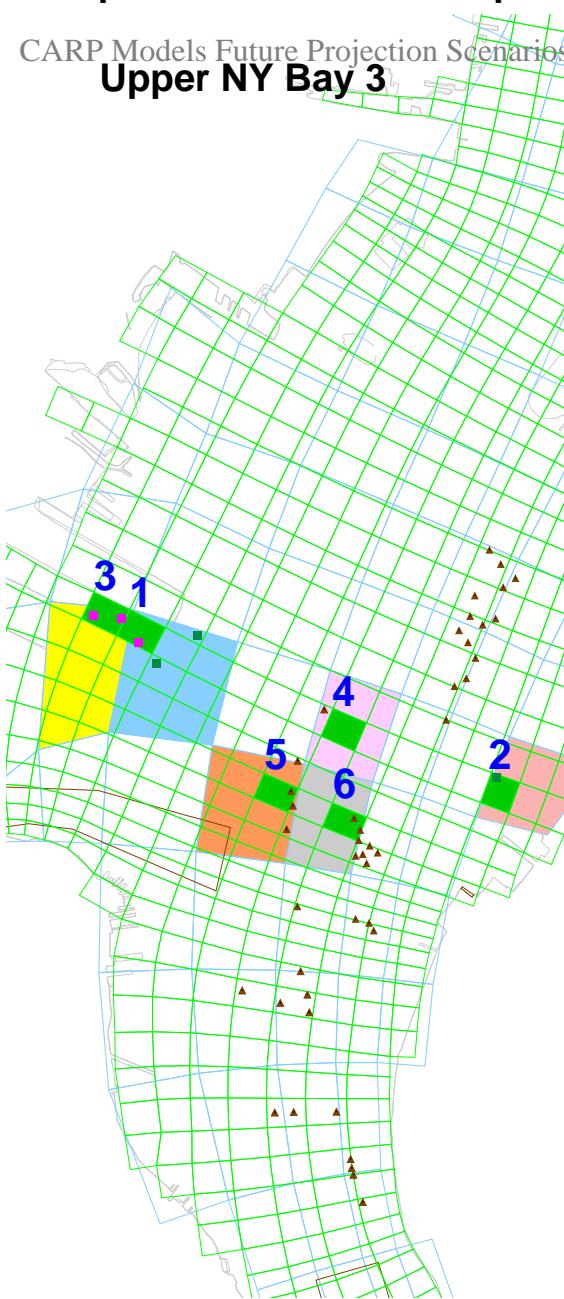
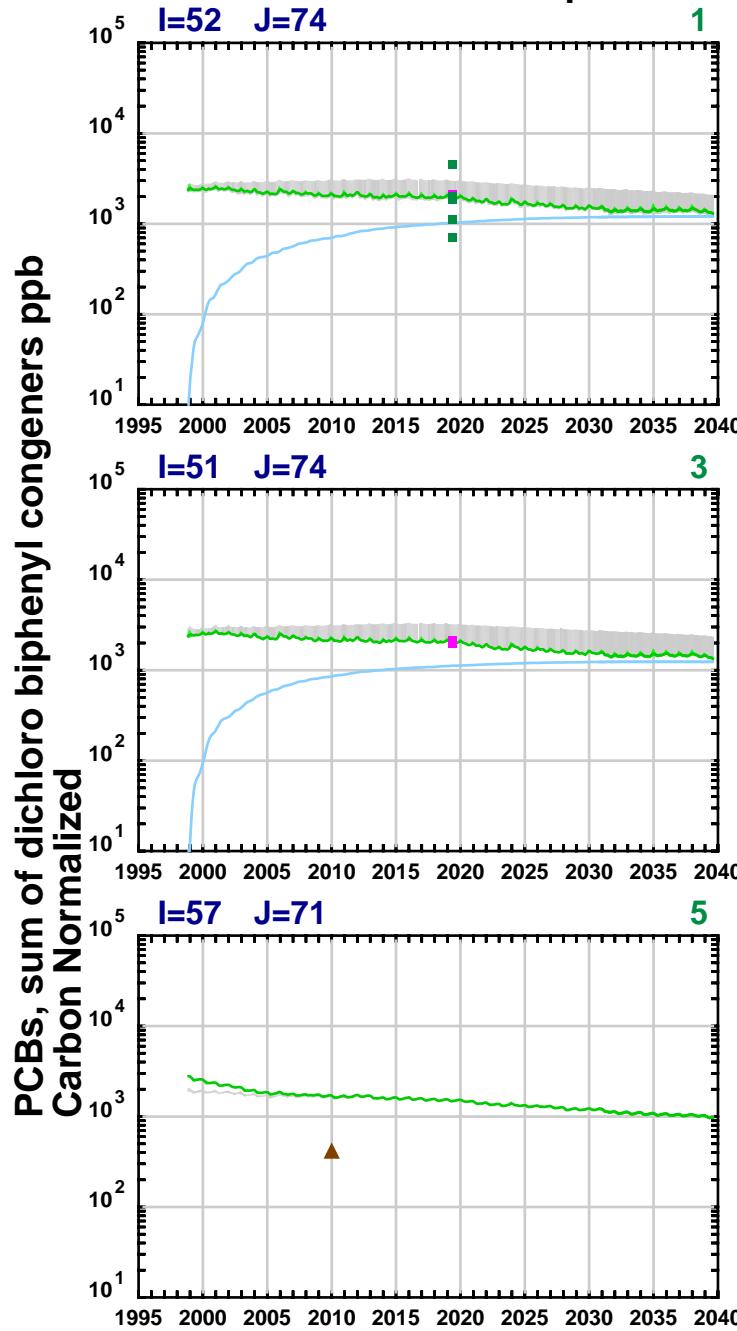
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 184 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

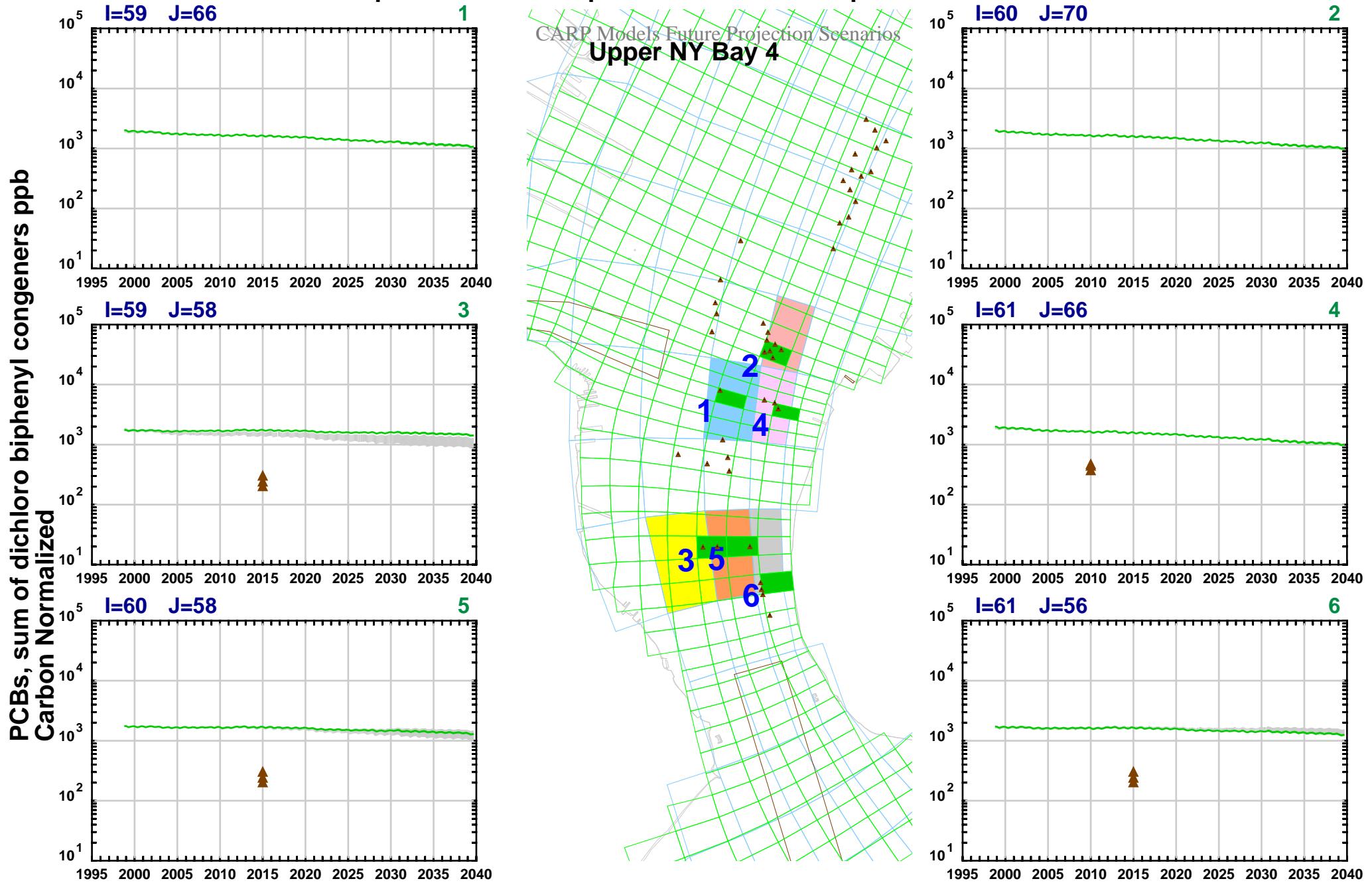
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 185 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

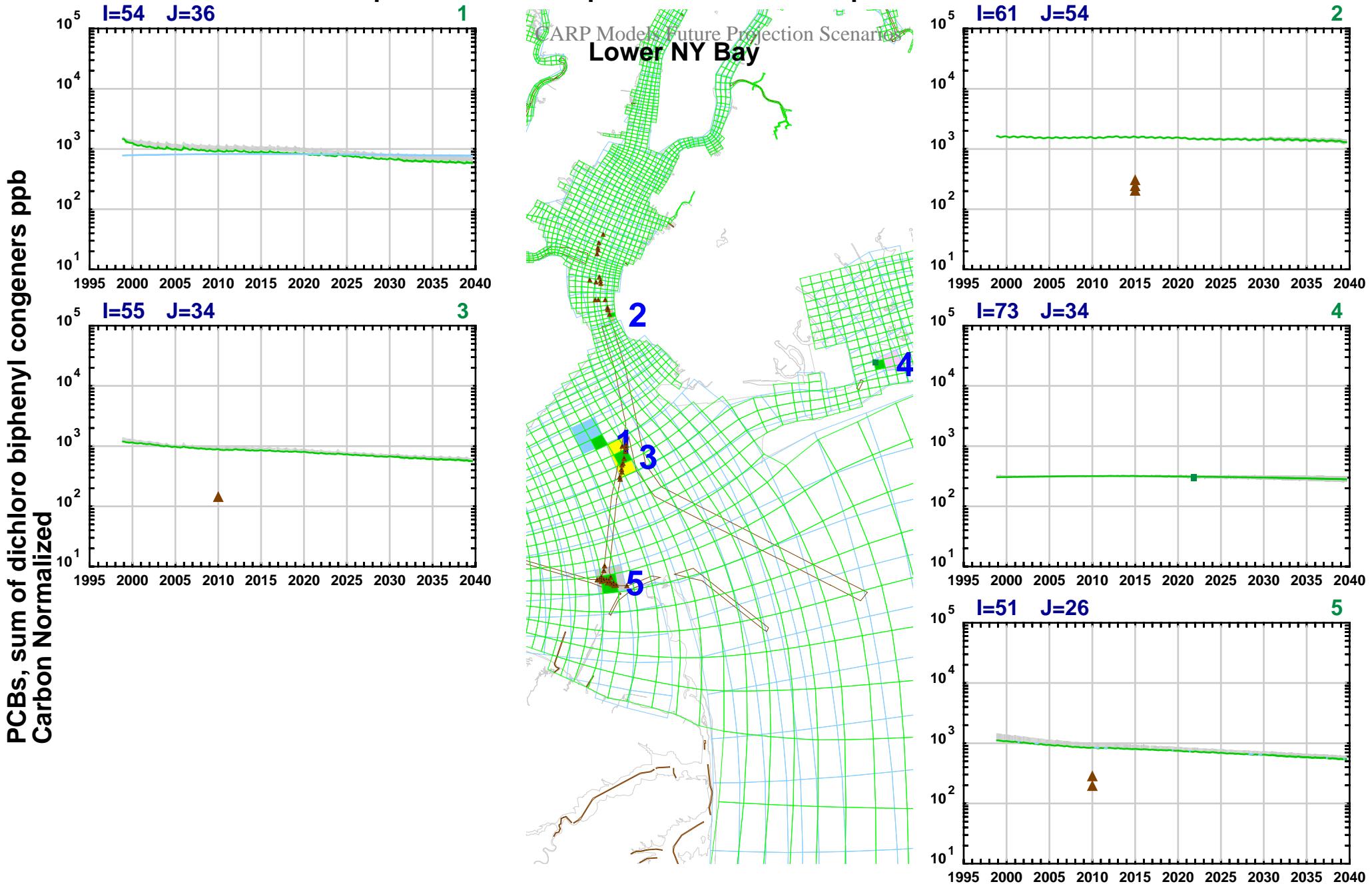
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 186 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

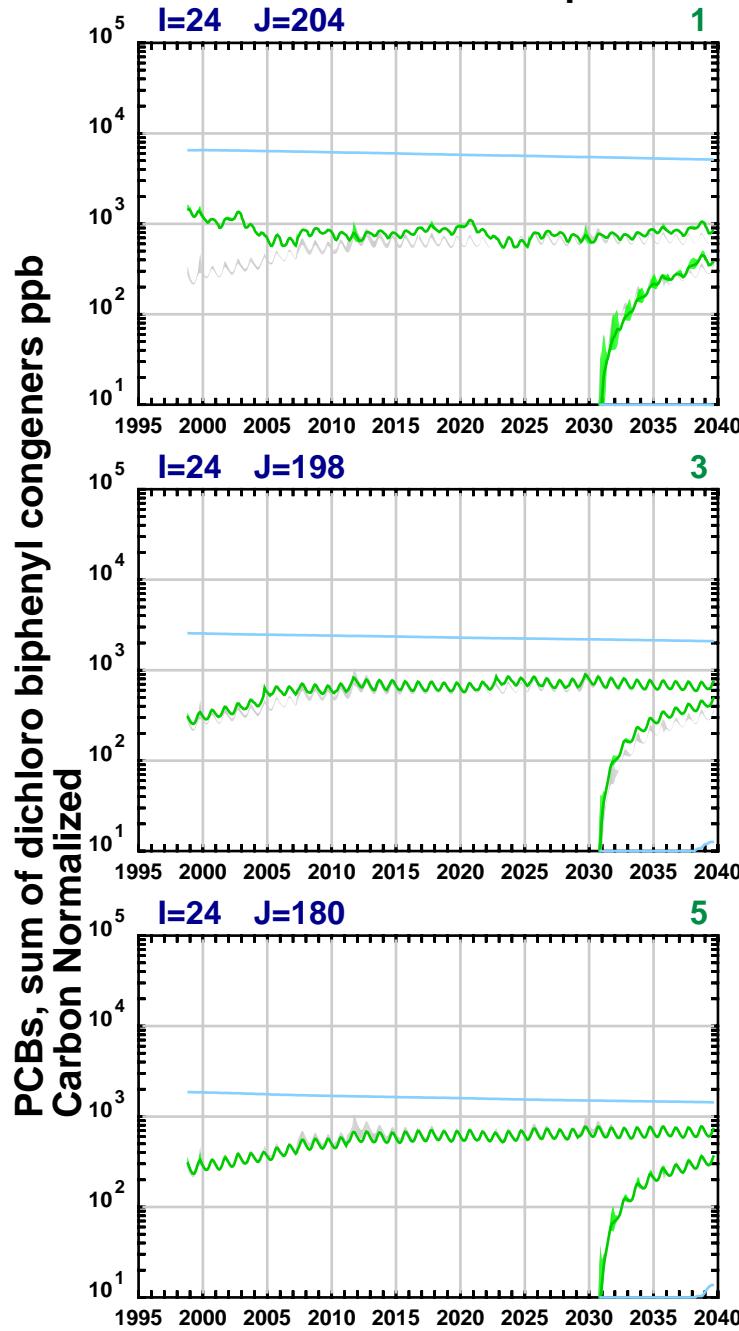
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

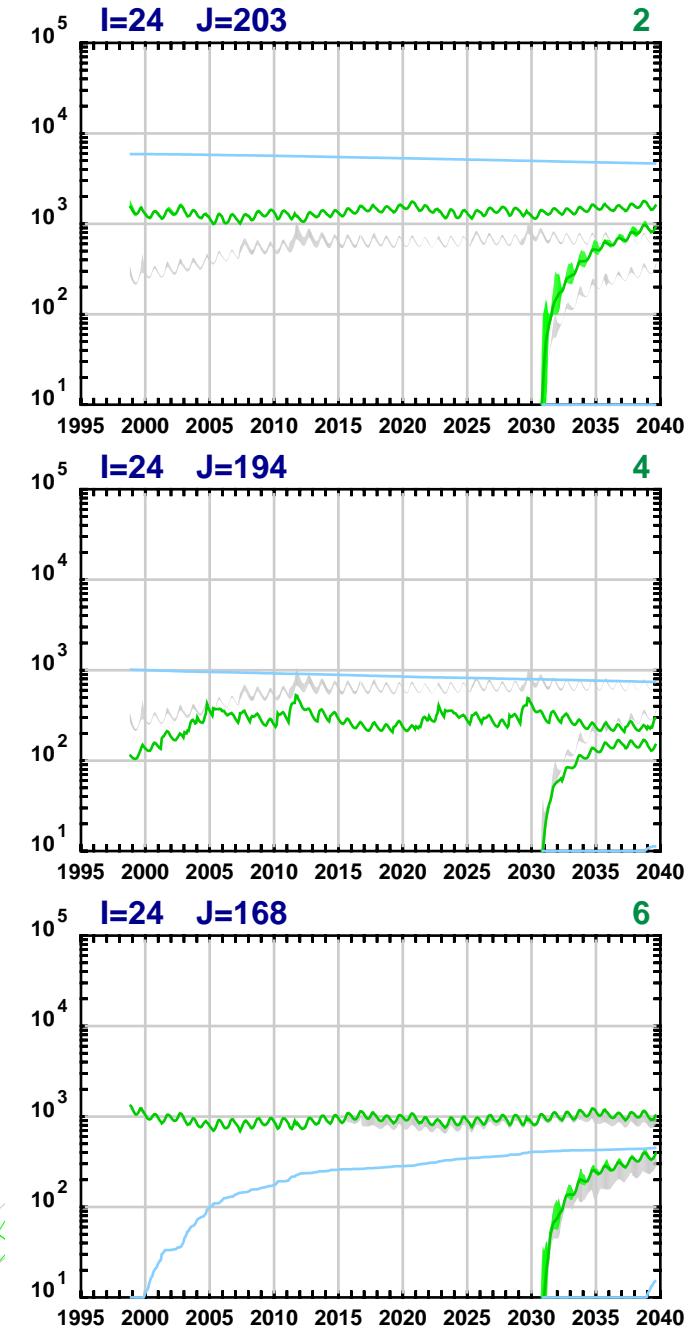
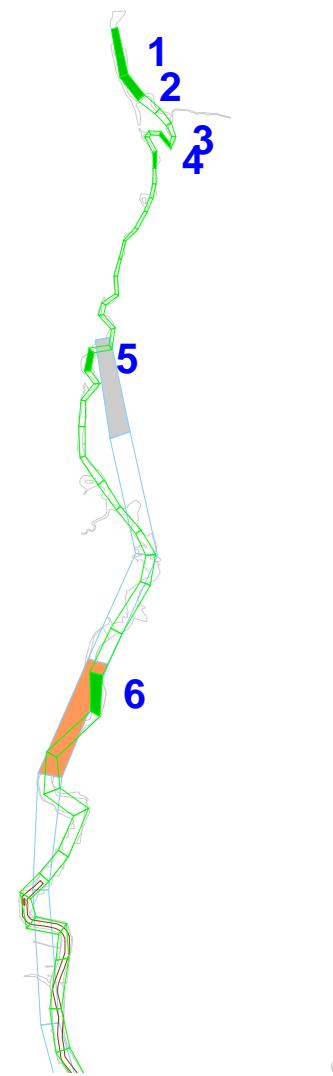
Appendix 1 Page 187 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

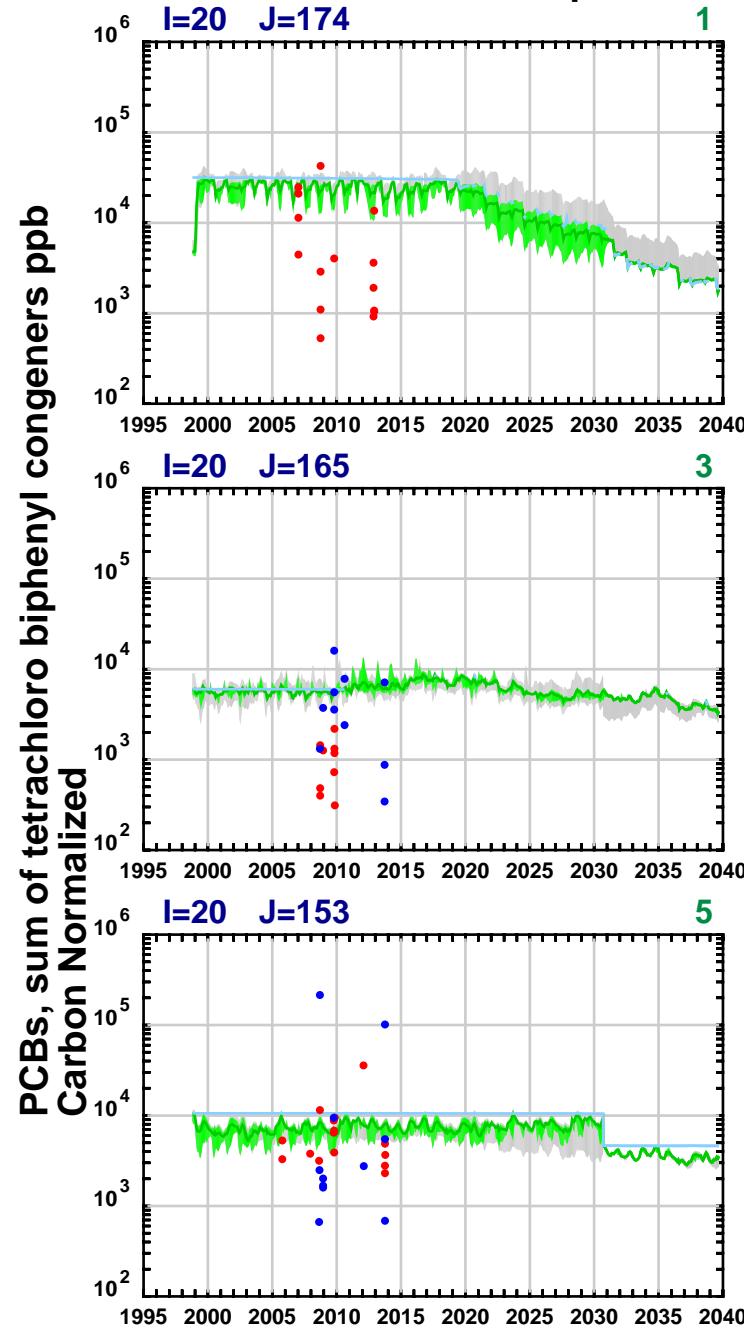
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

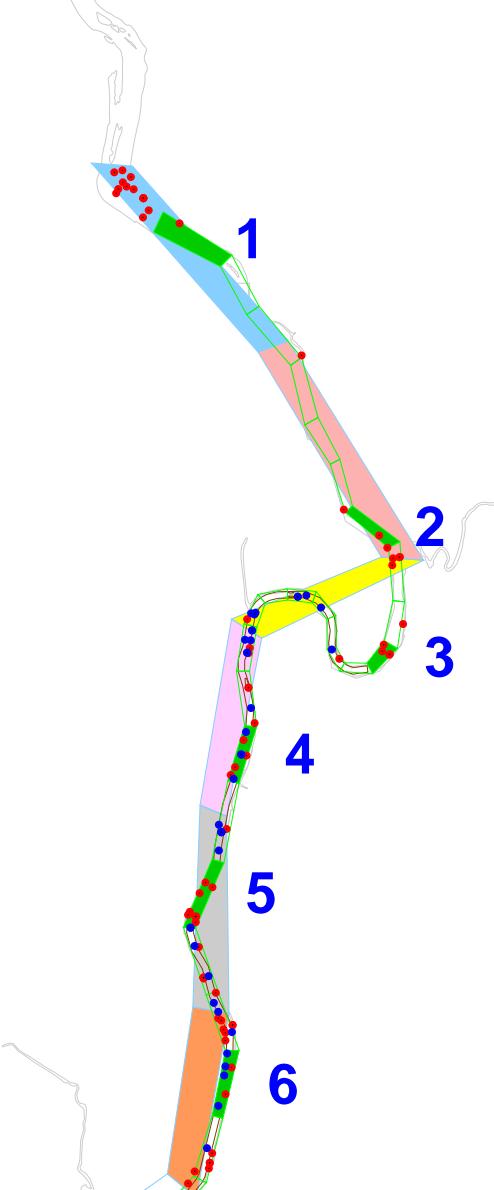
Appendix 1 Page 188 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

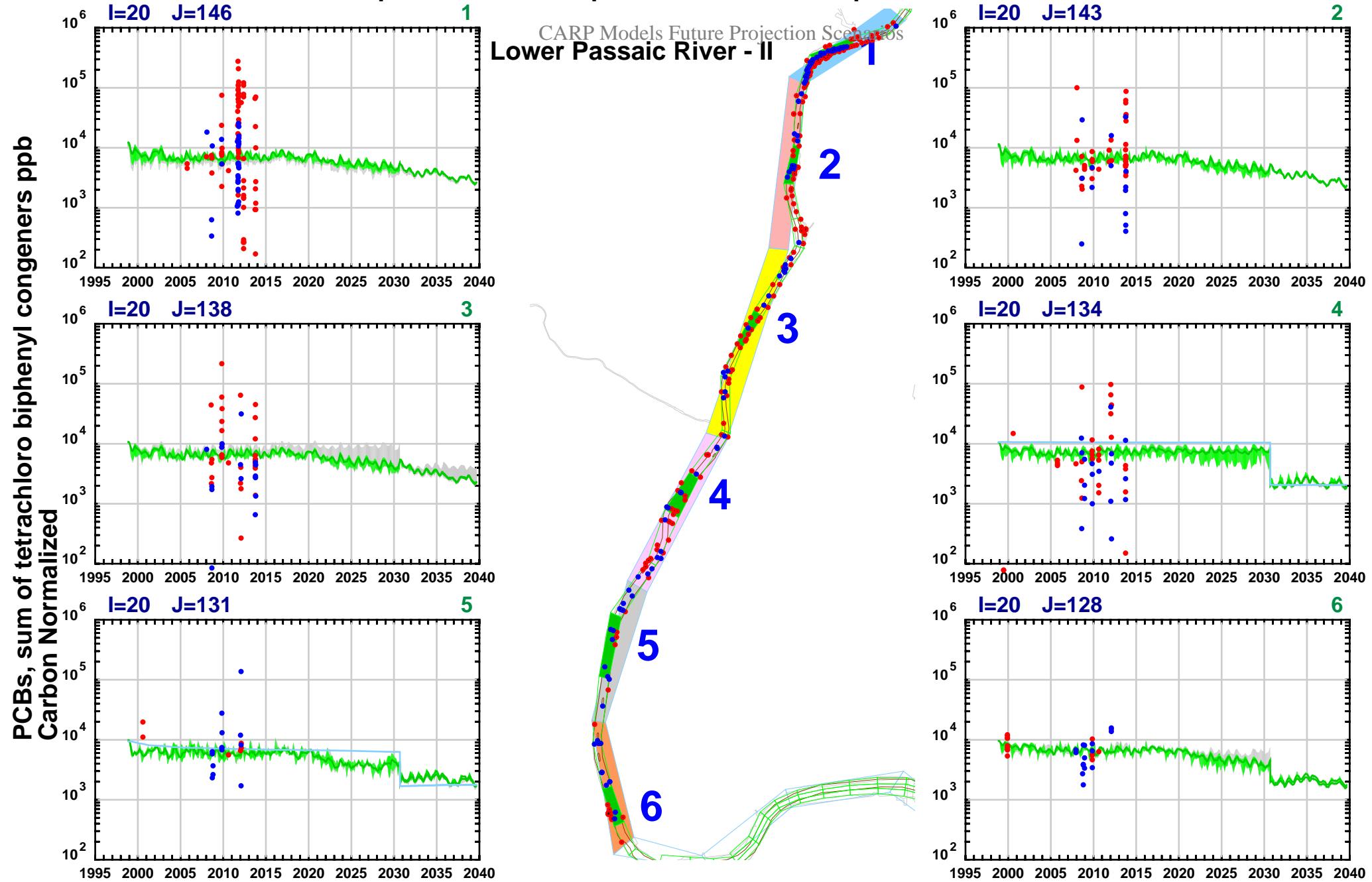
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 189 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

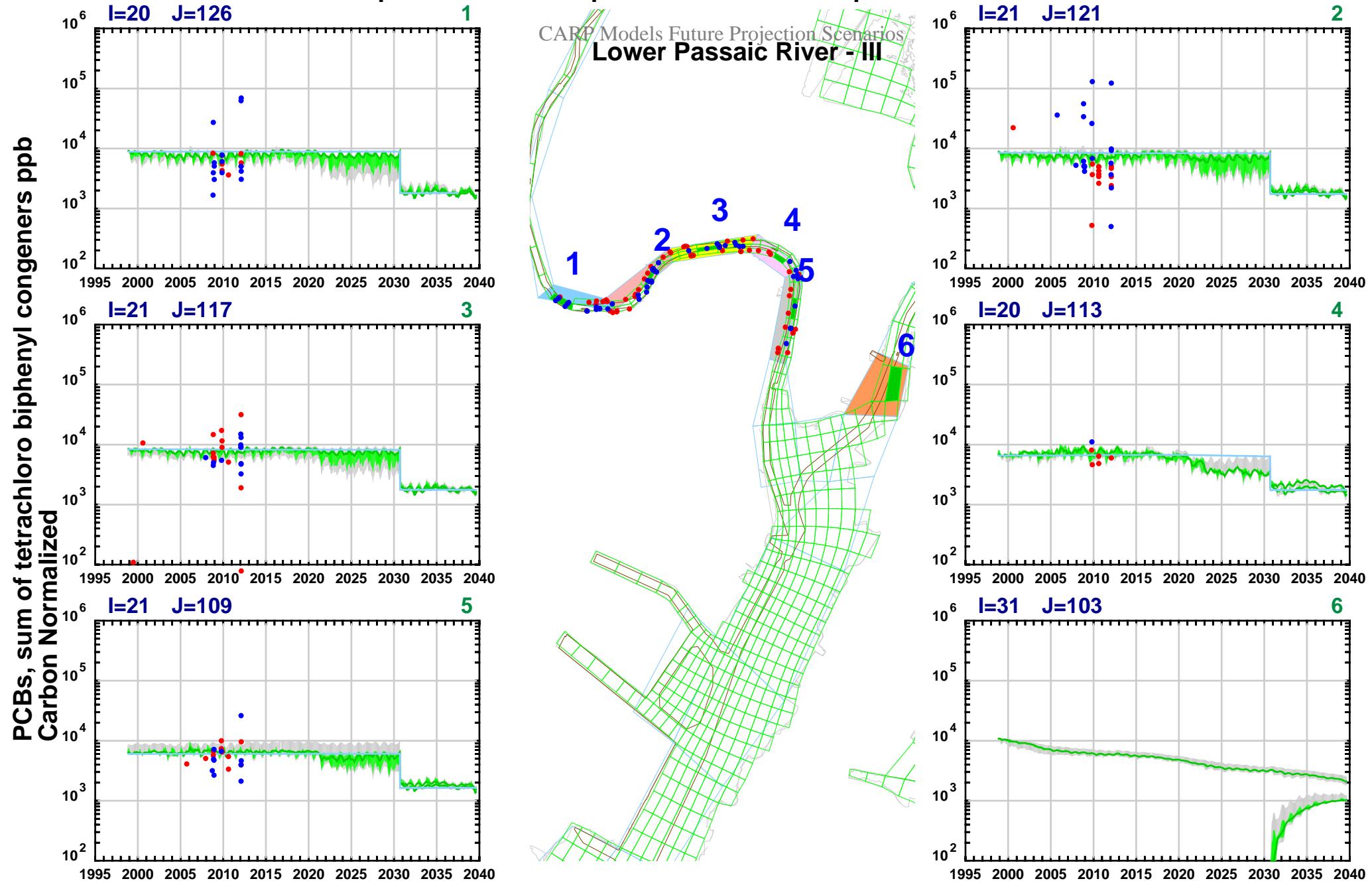
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 190 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

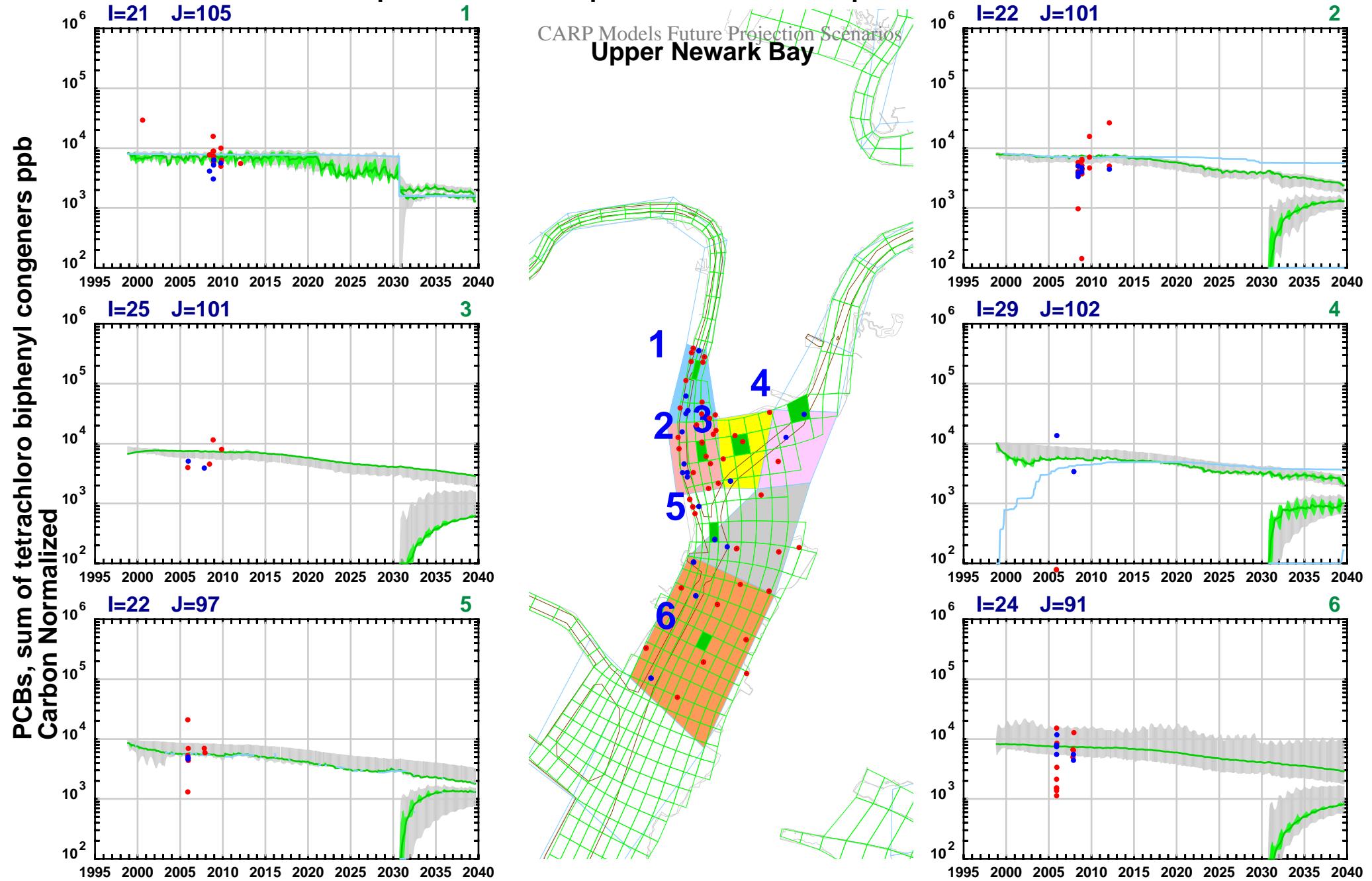
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 191 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

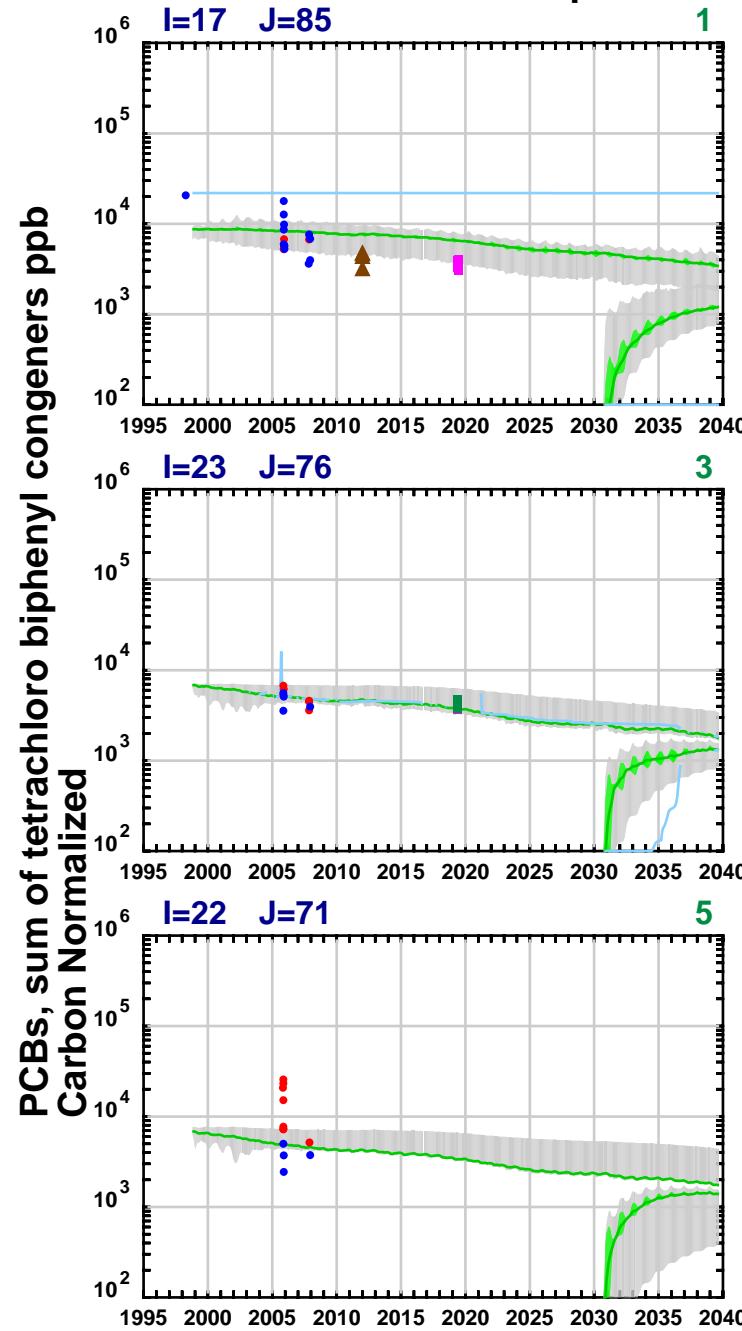
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

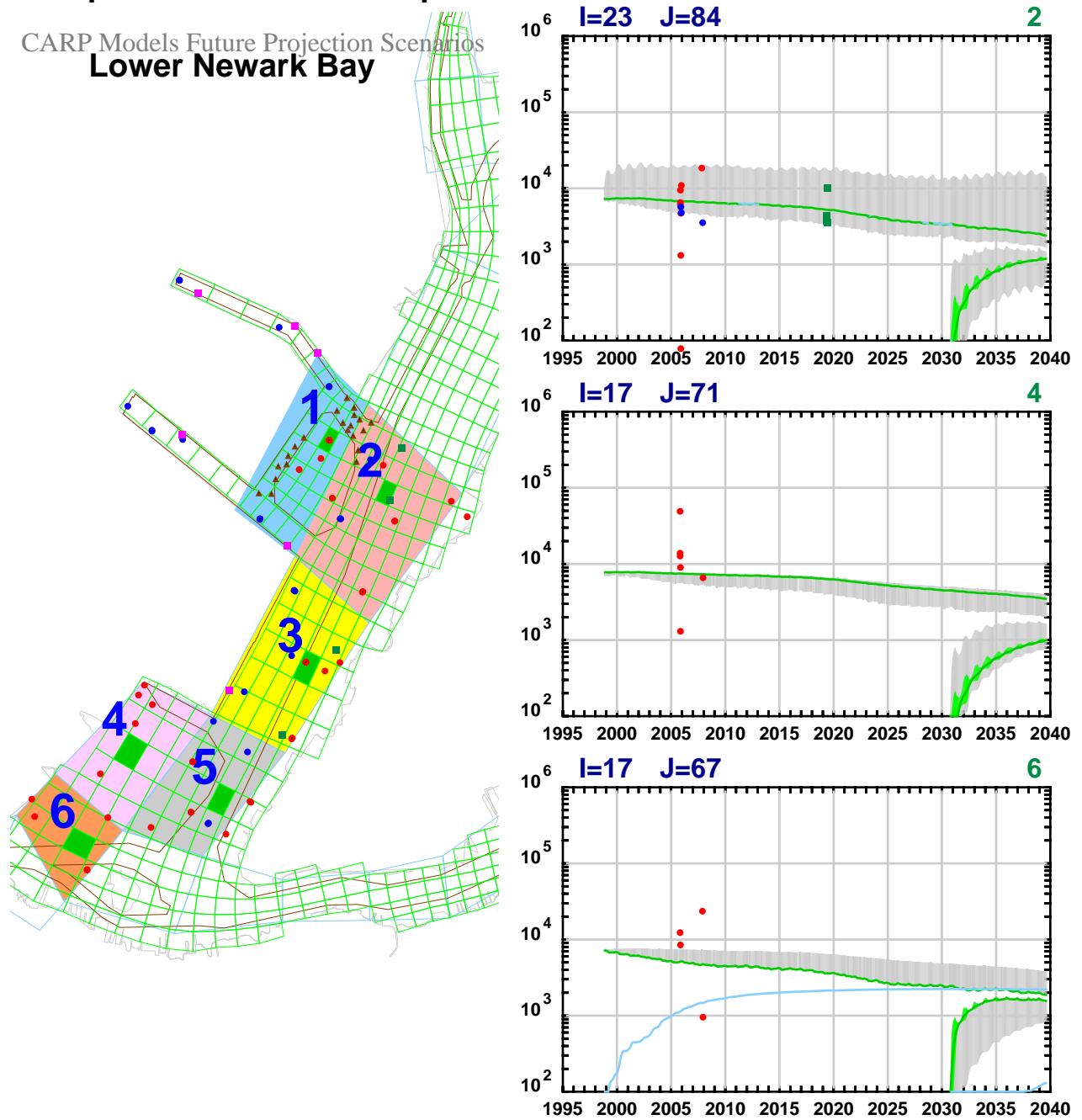
Appendix 1 Page 192 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

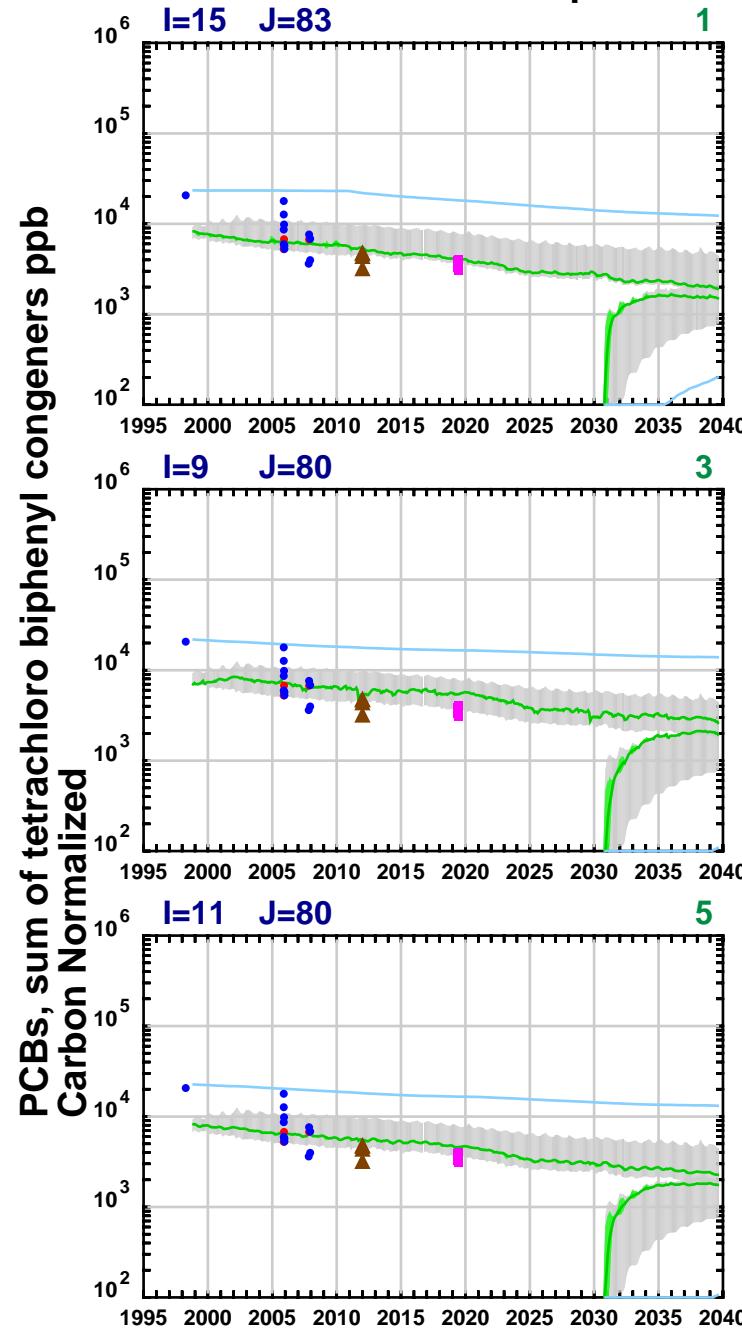
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

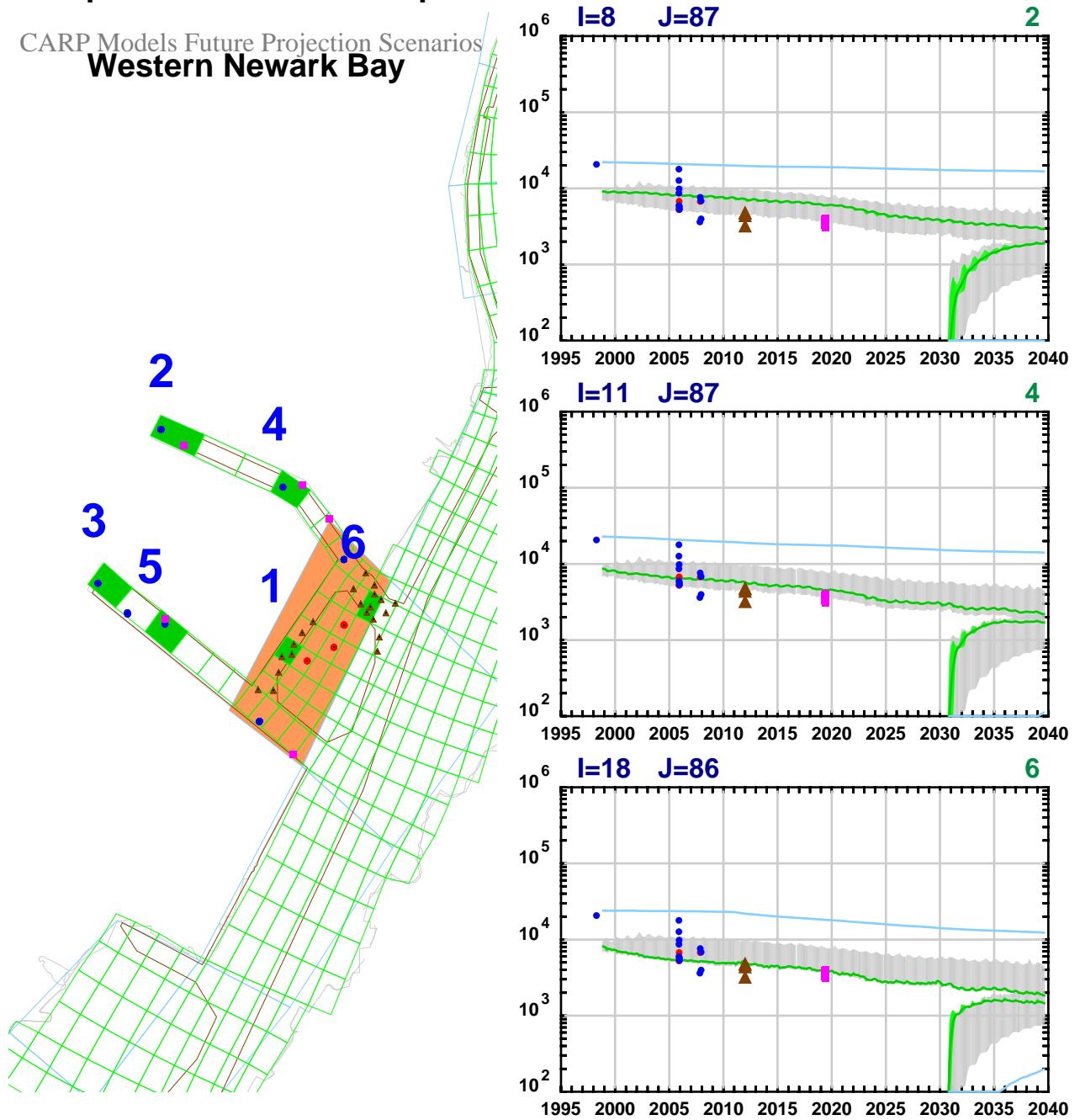
Appendix 1 Page 193 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

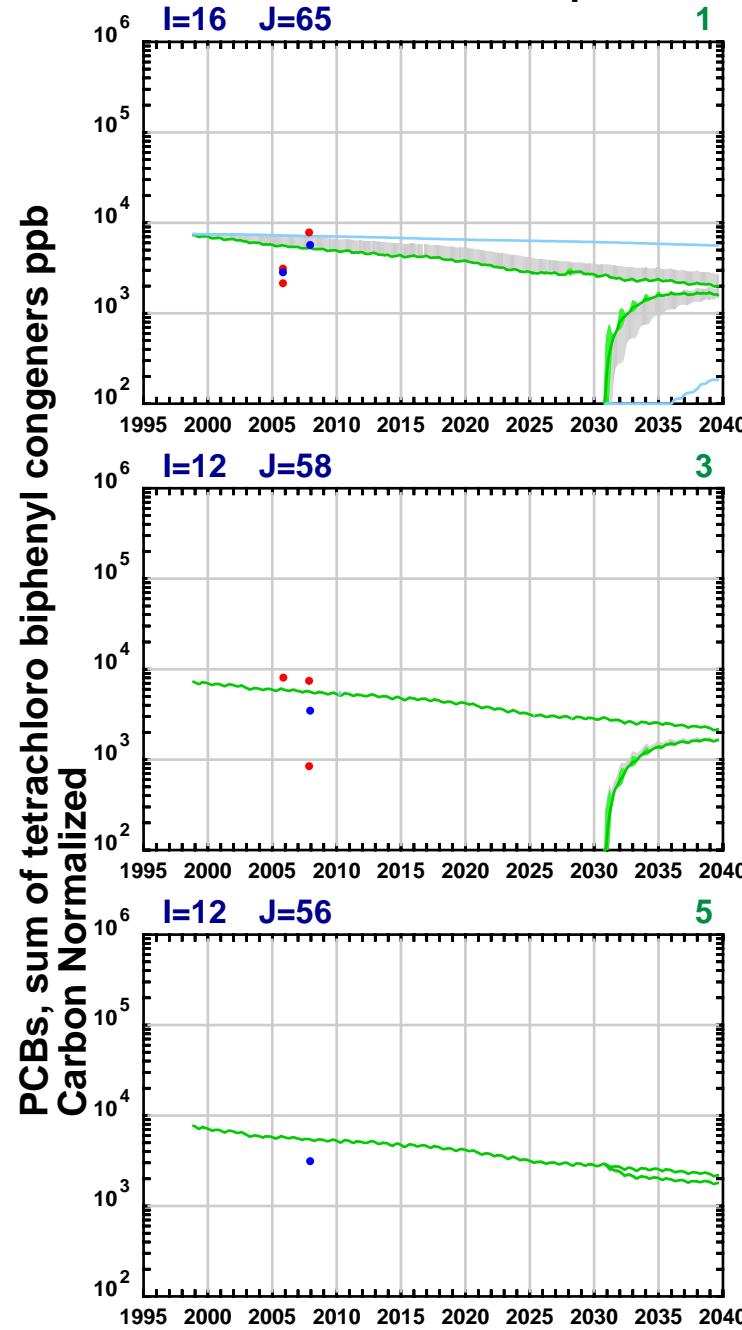
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

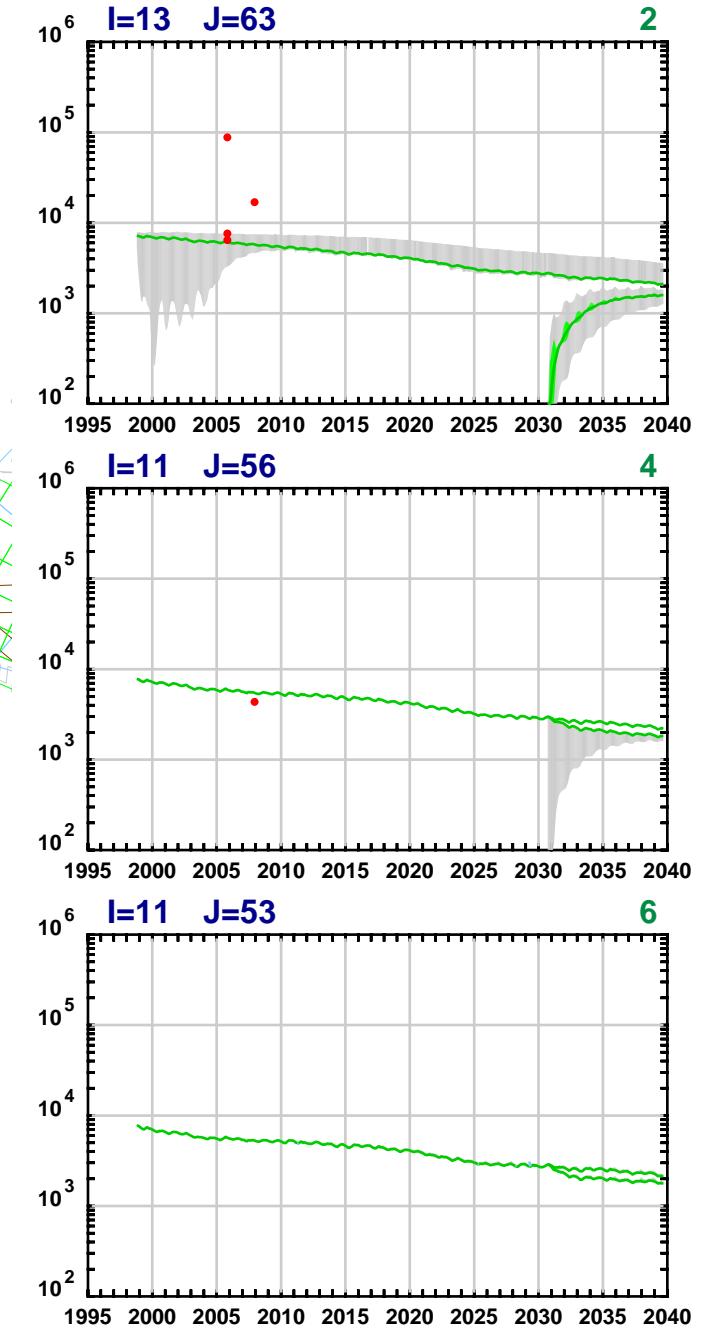
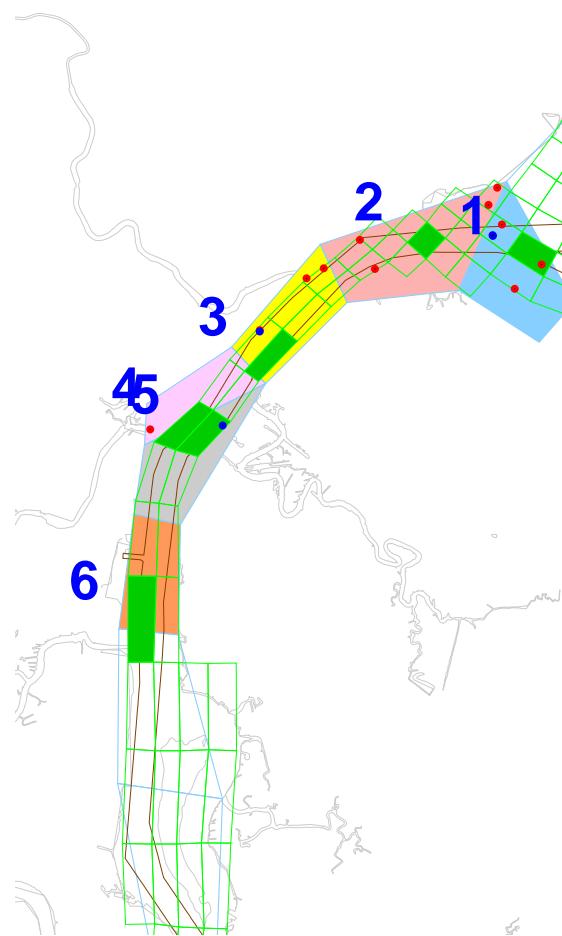
Appendix 1 Page 194 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

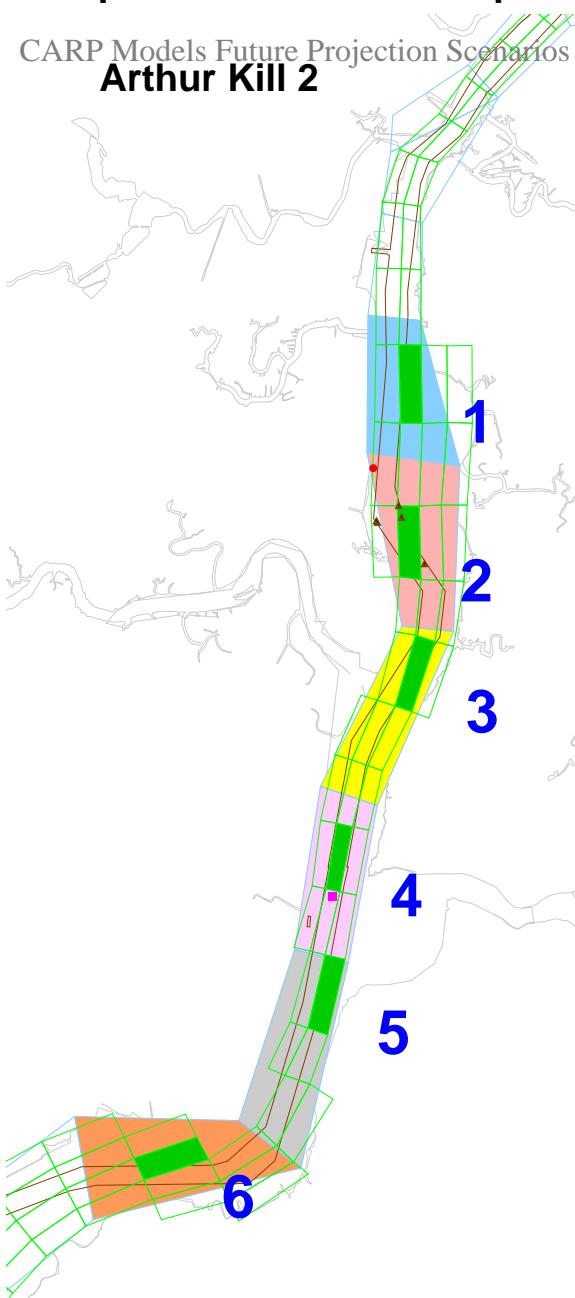
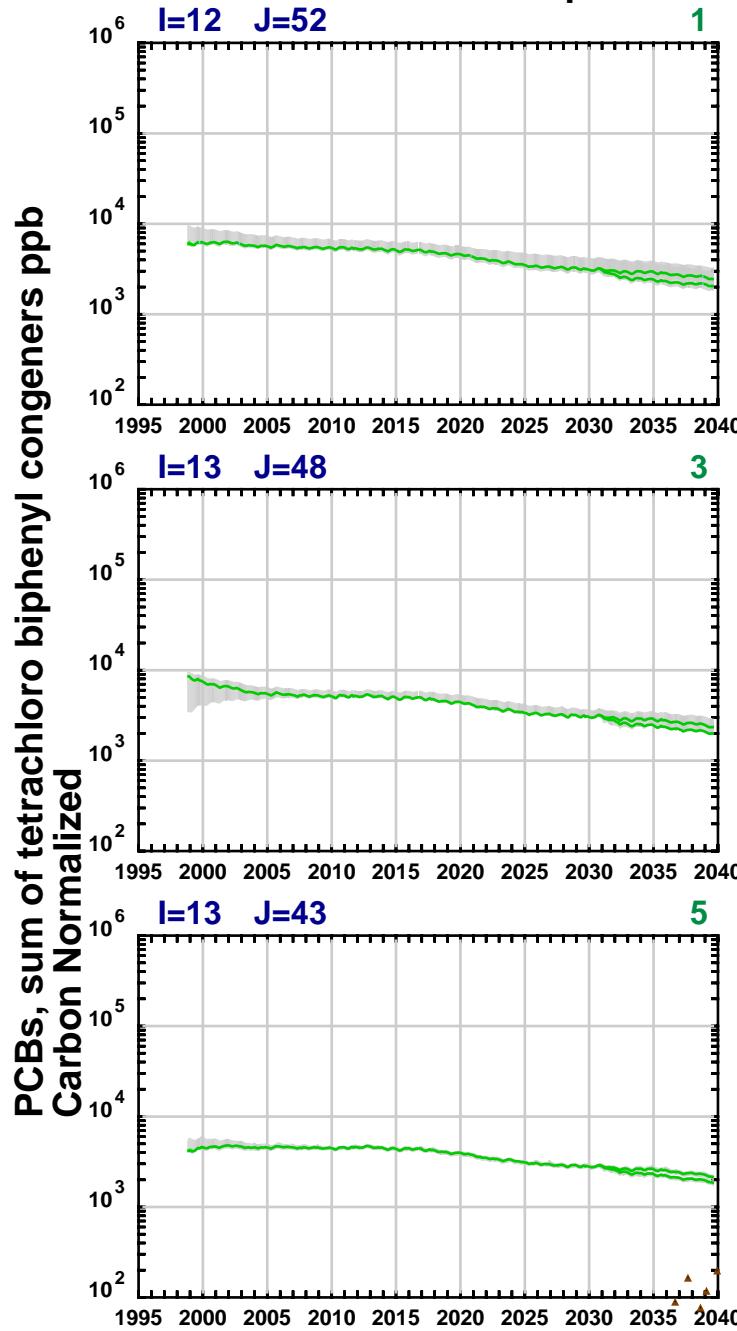
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

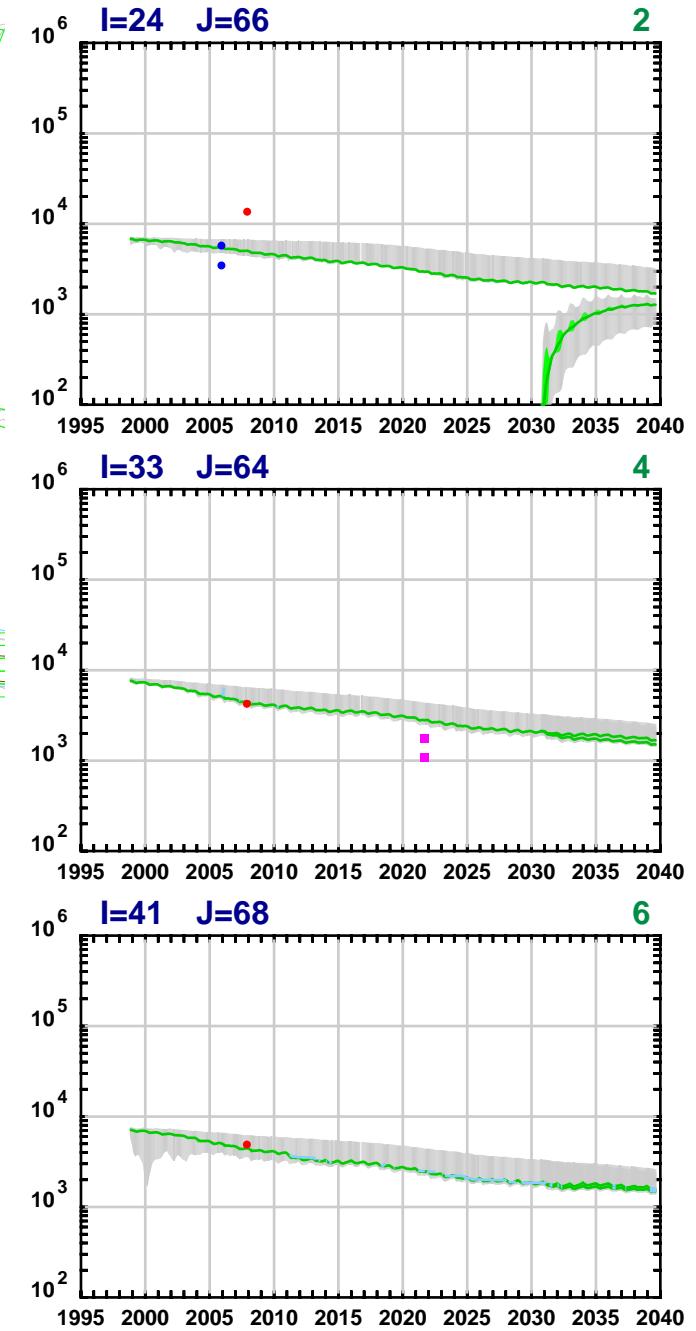
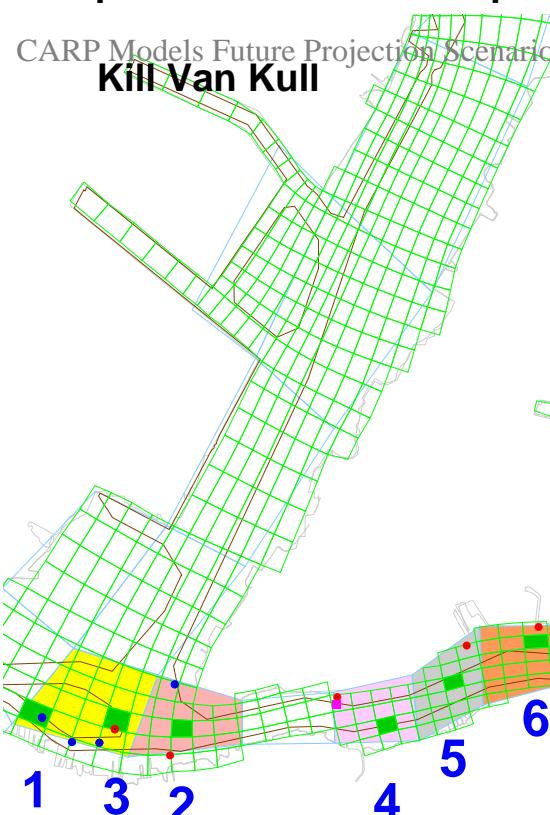
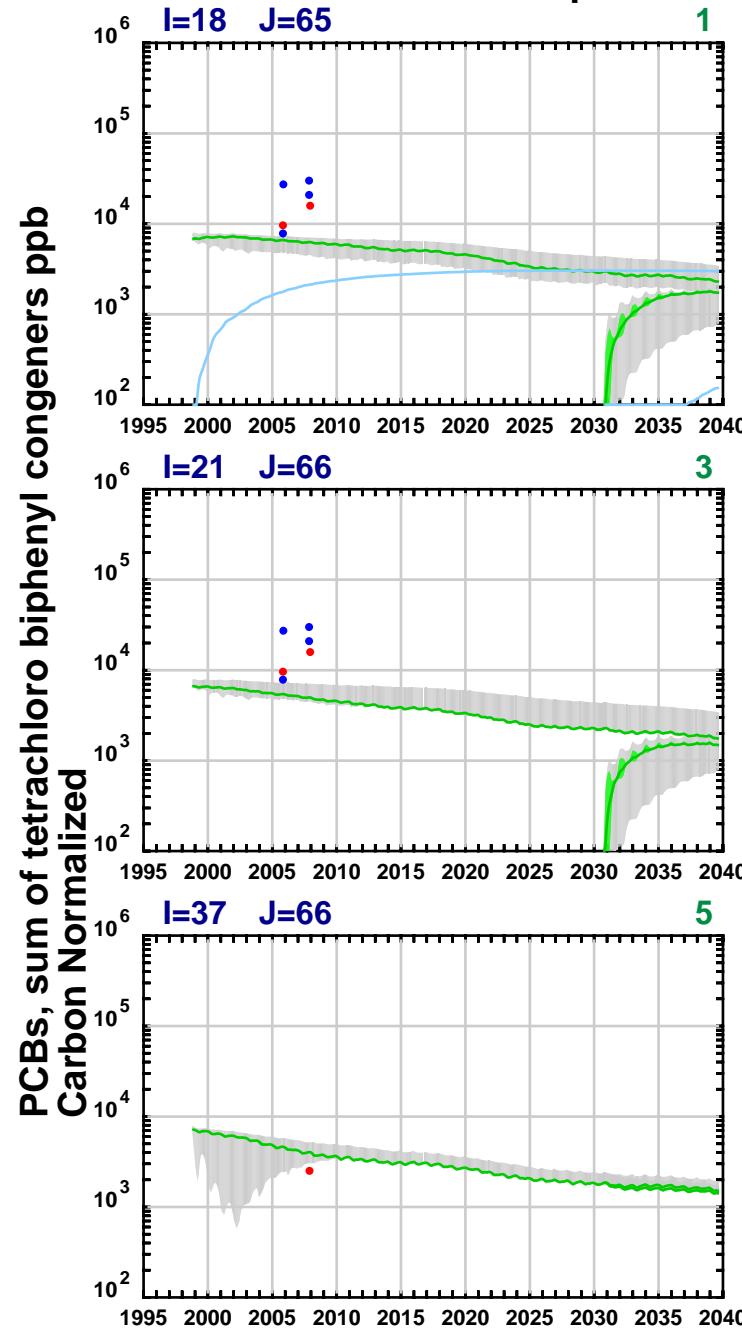
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

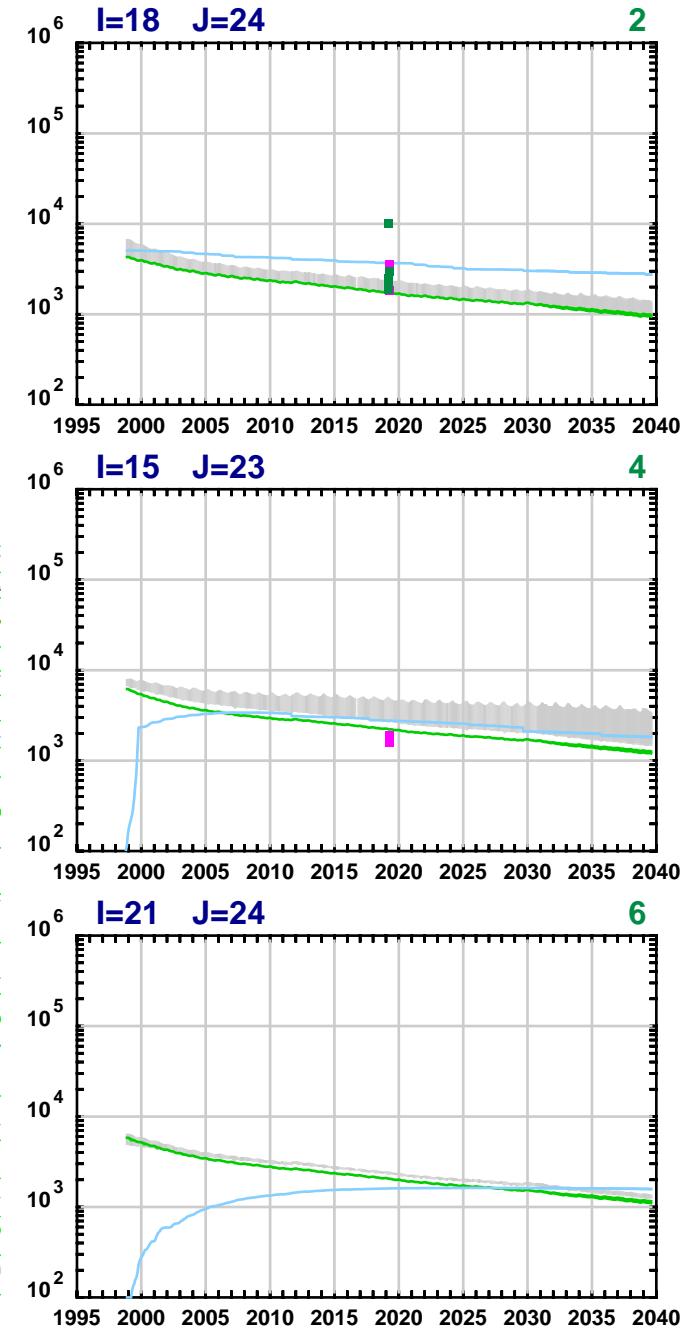
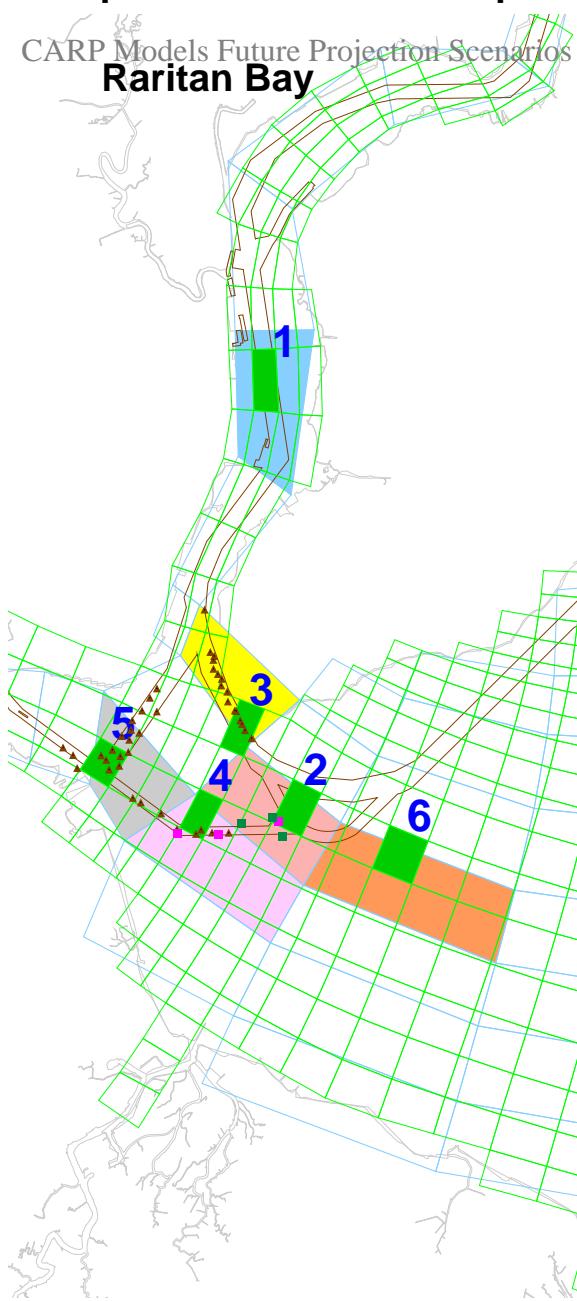
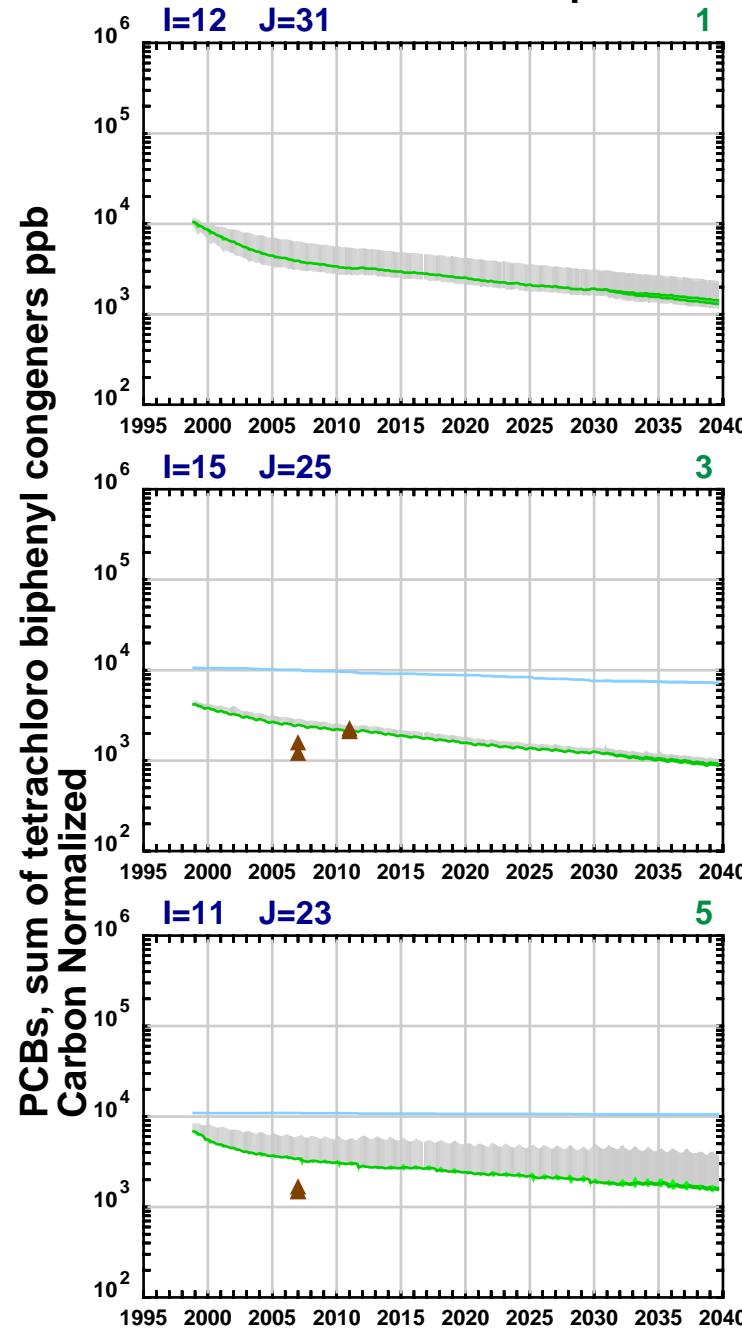
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

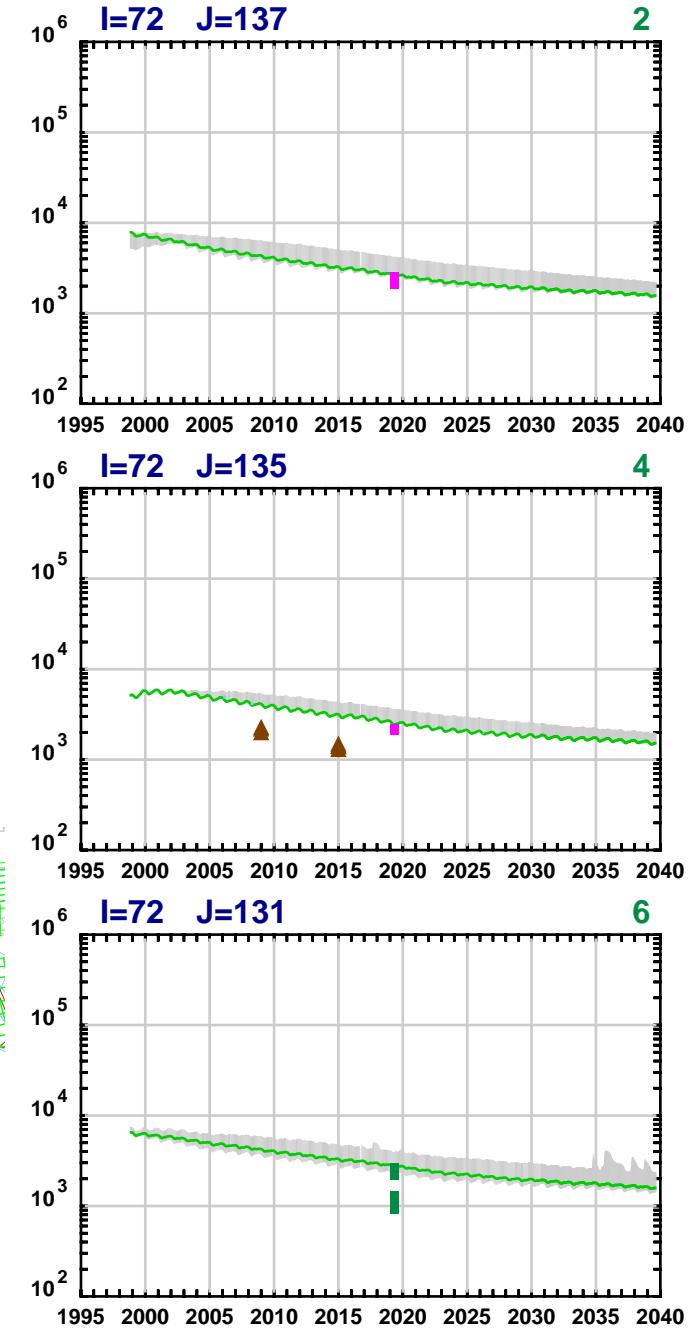
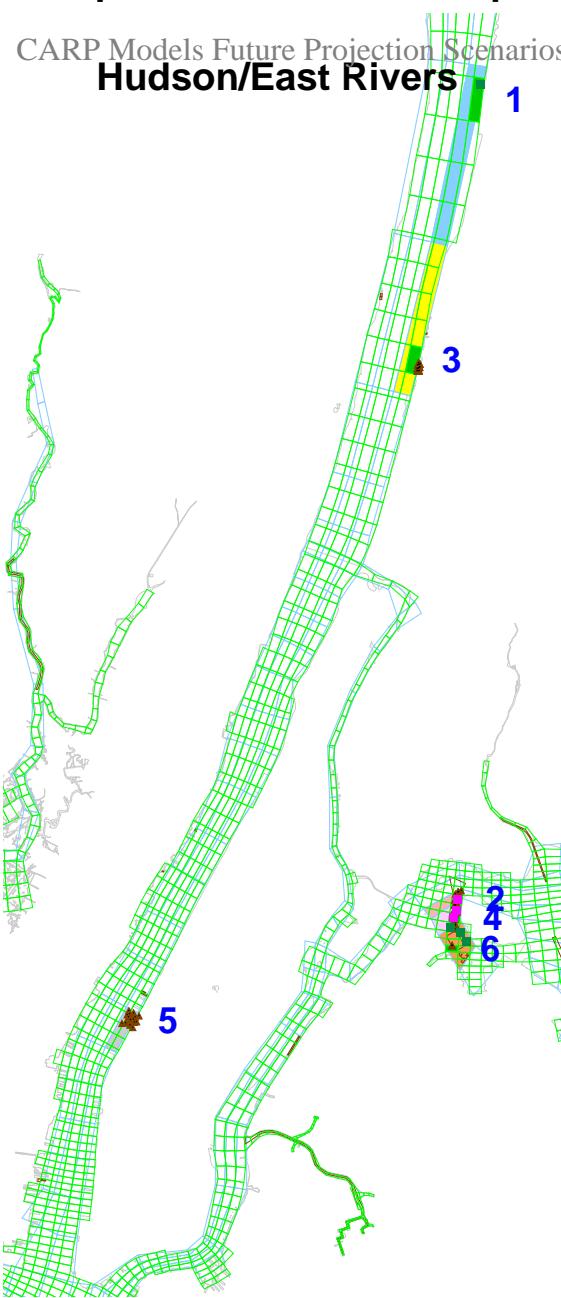
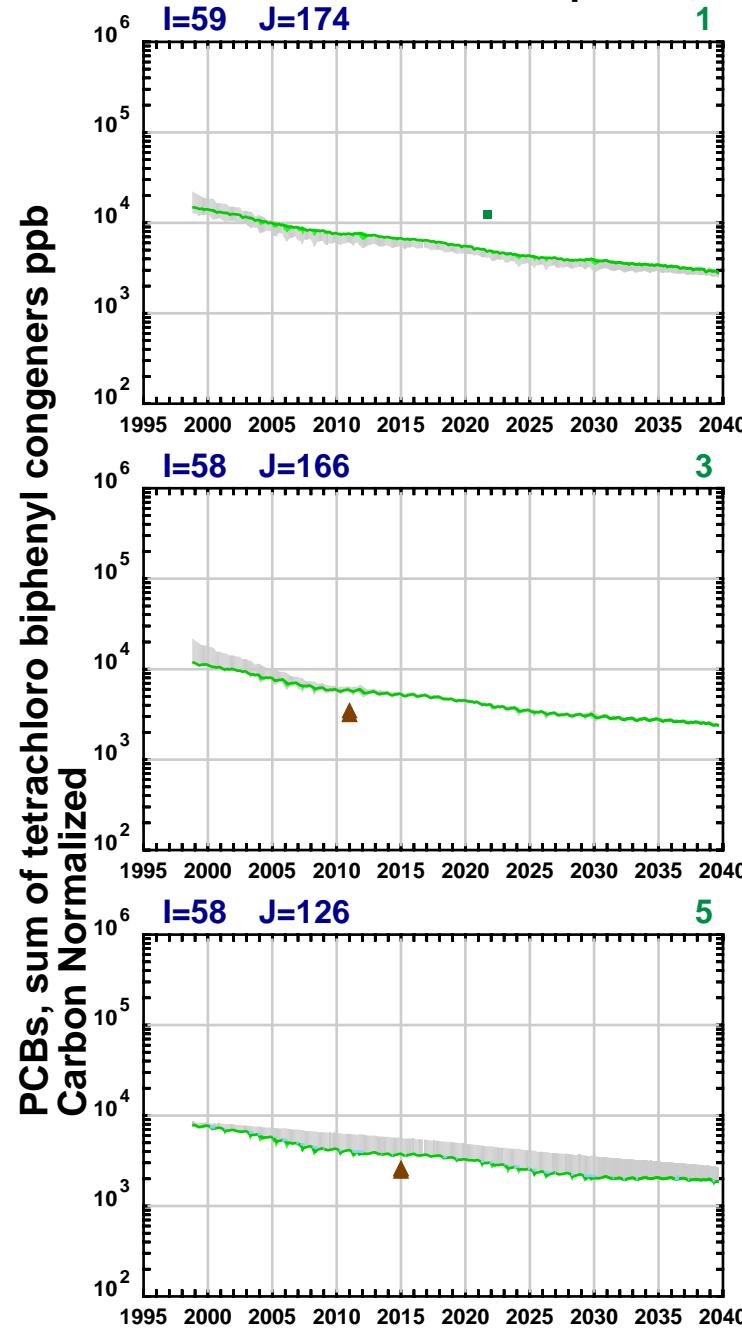
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

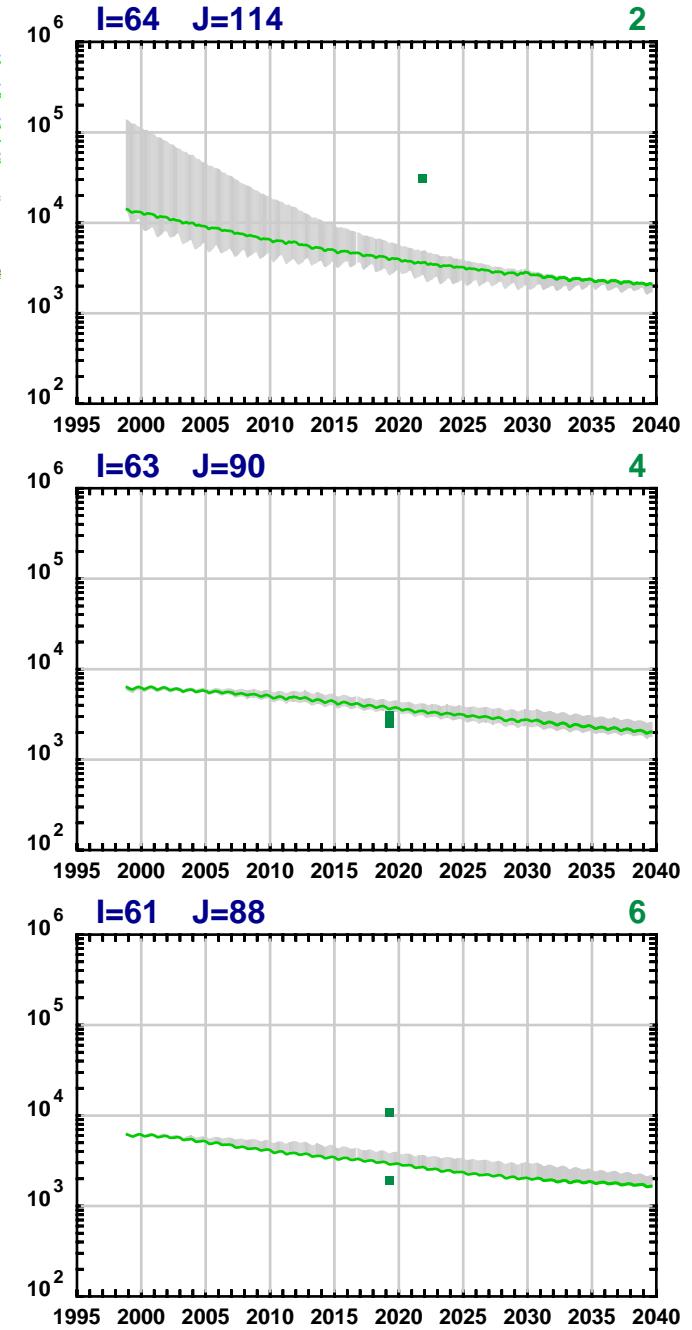
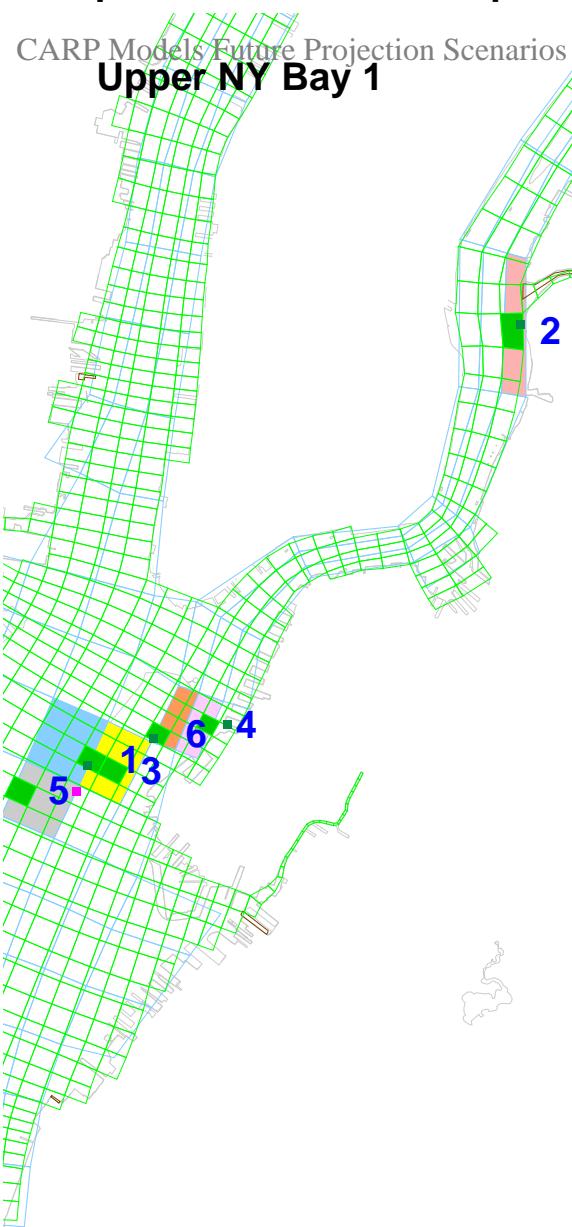
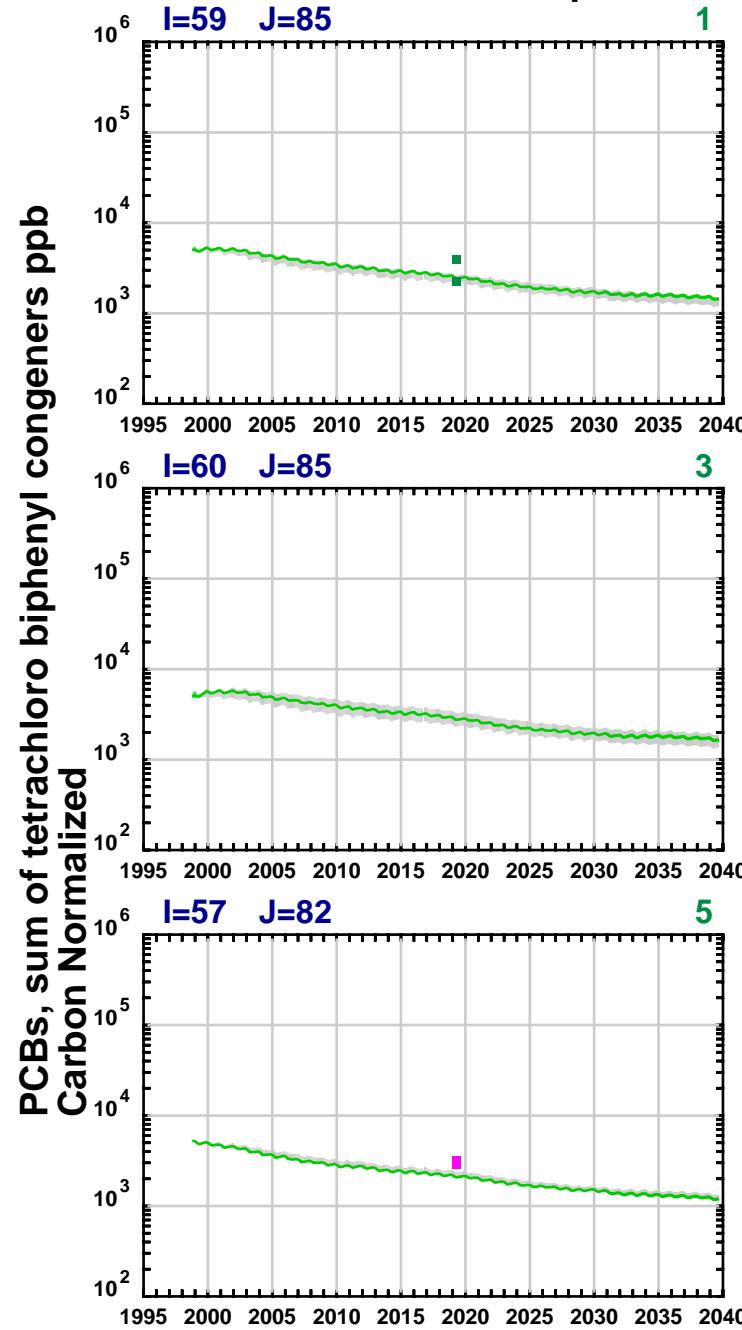
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

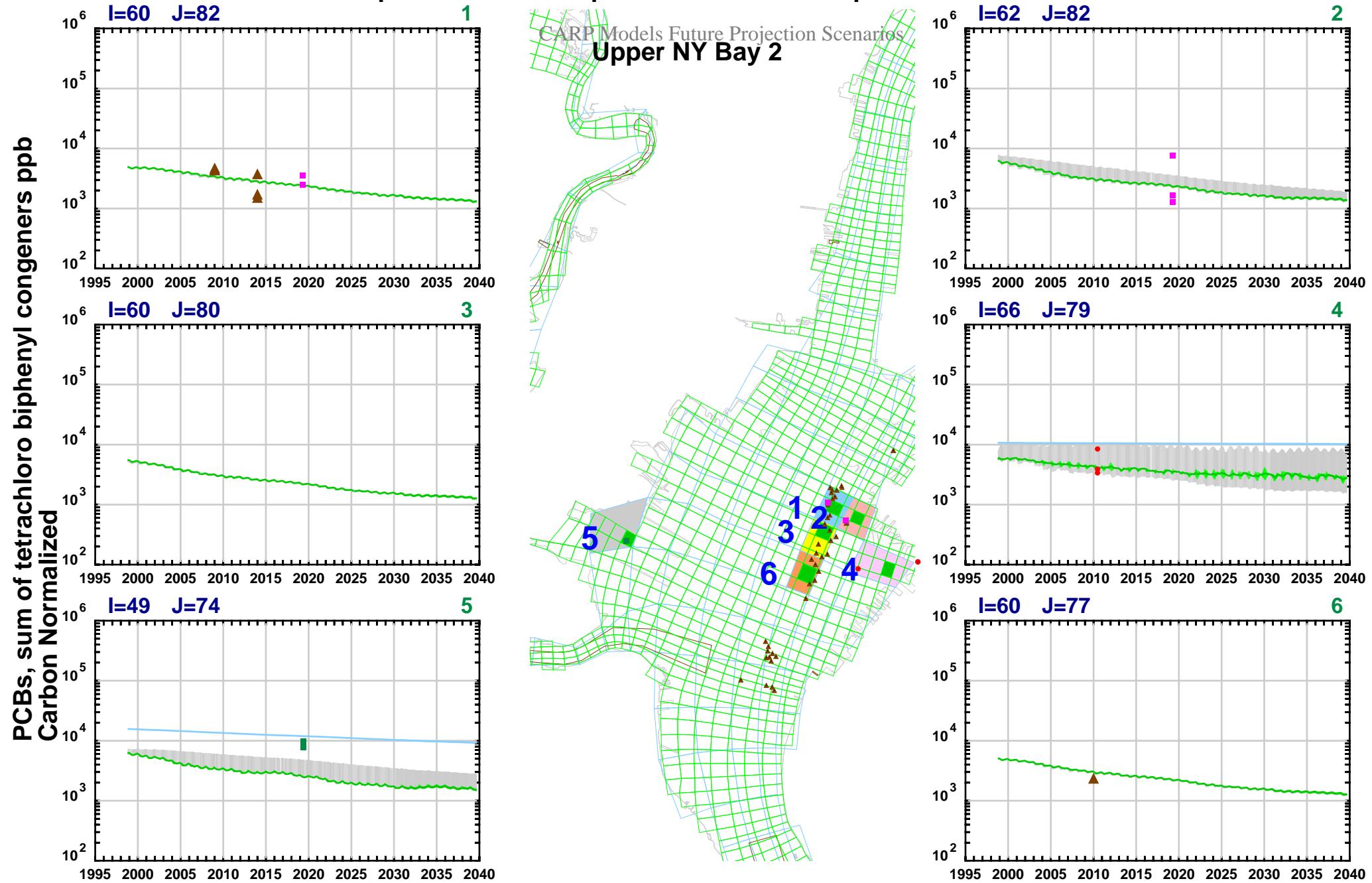
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

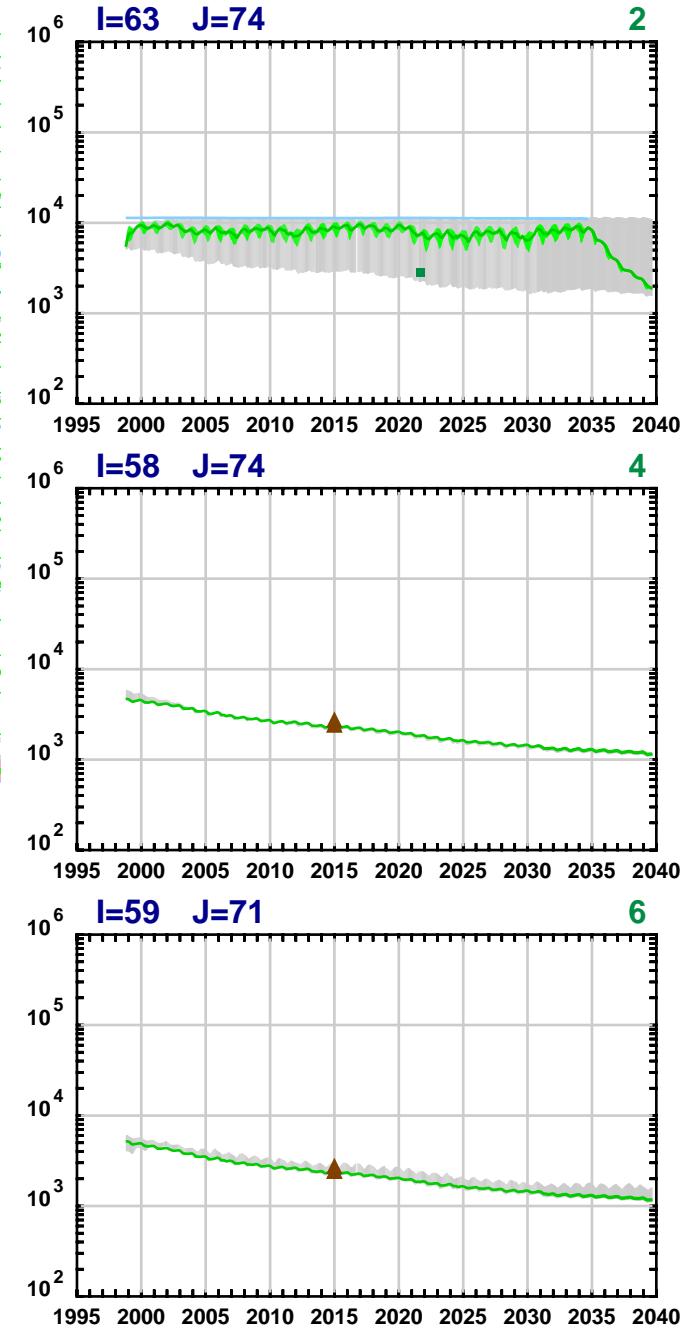
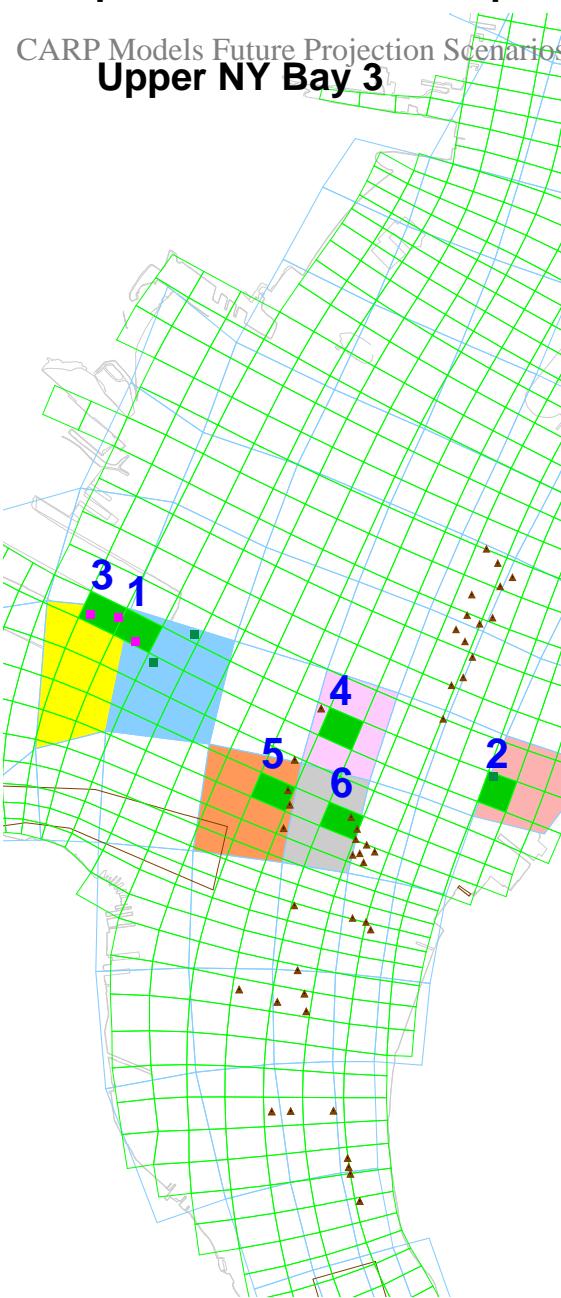
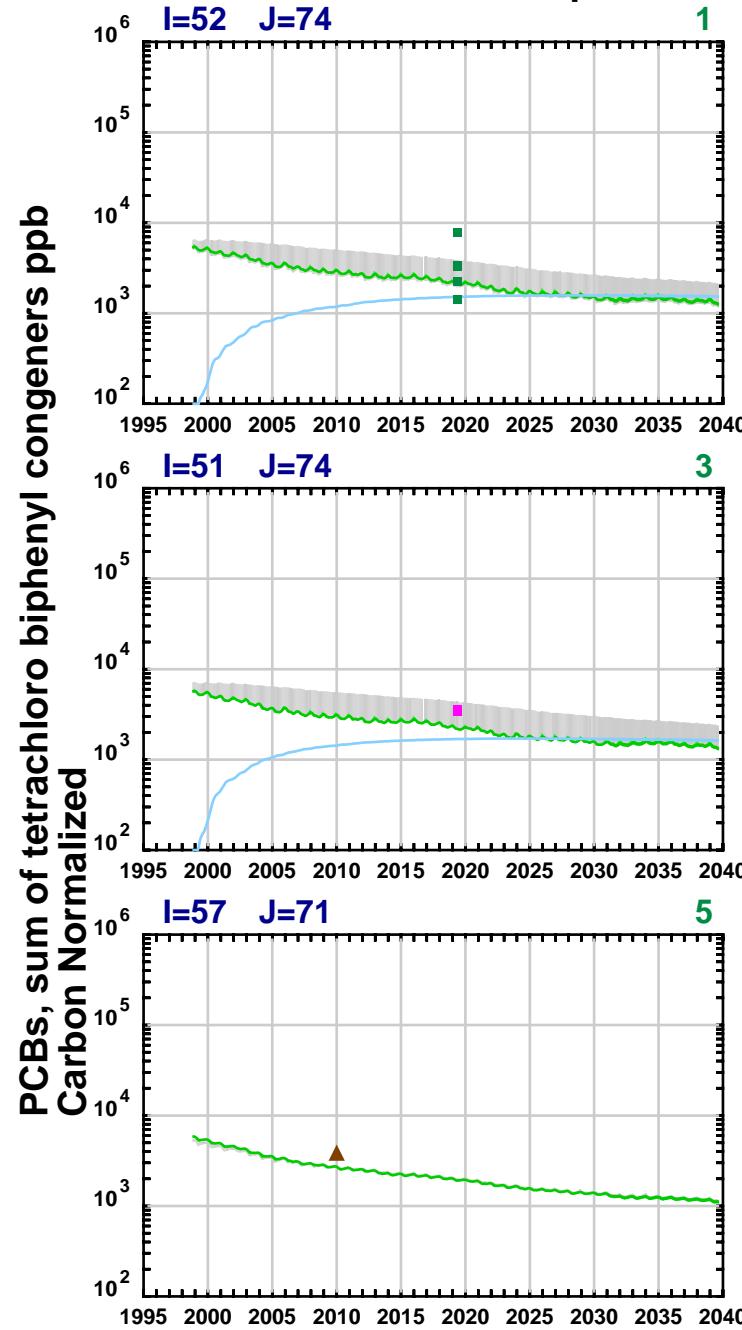
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

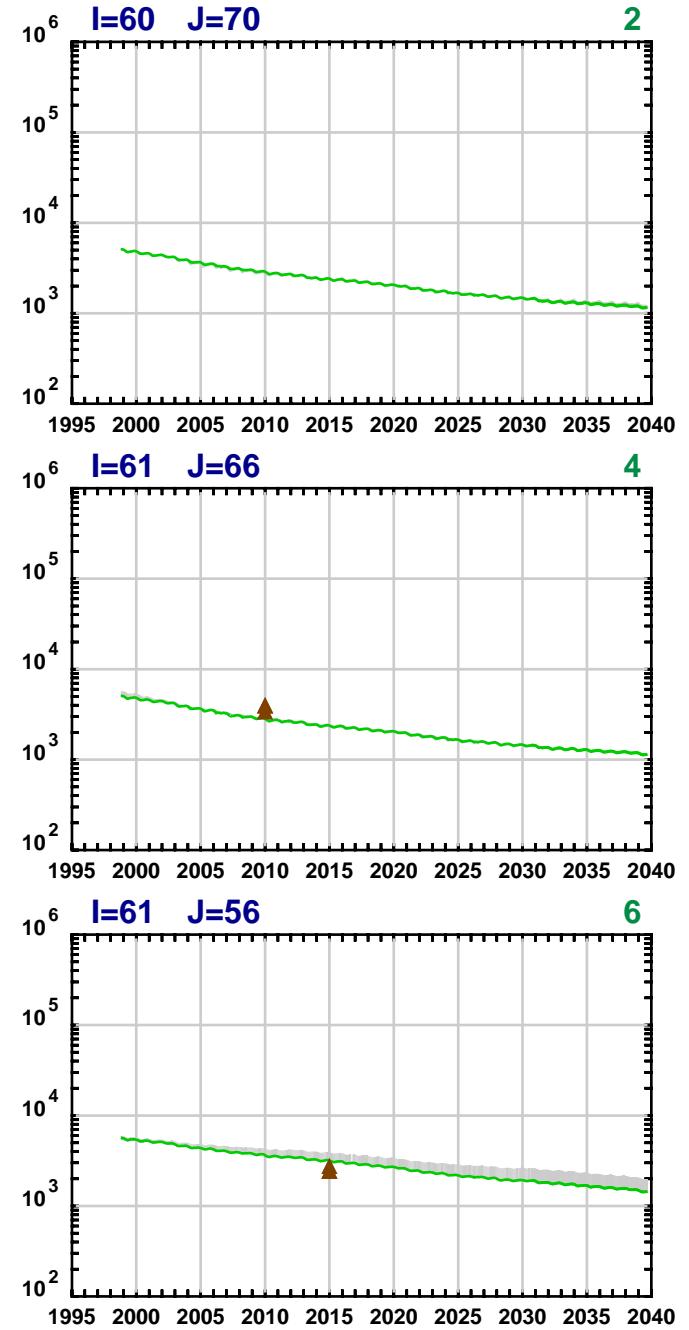
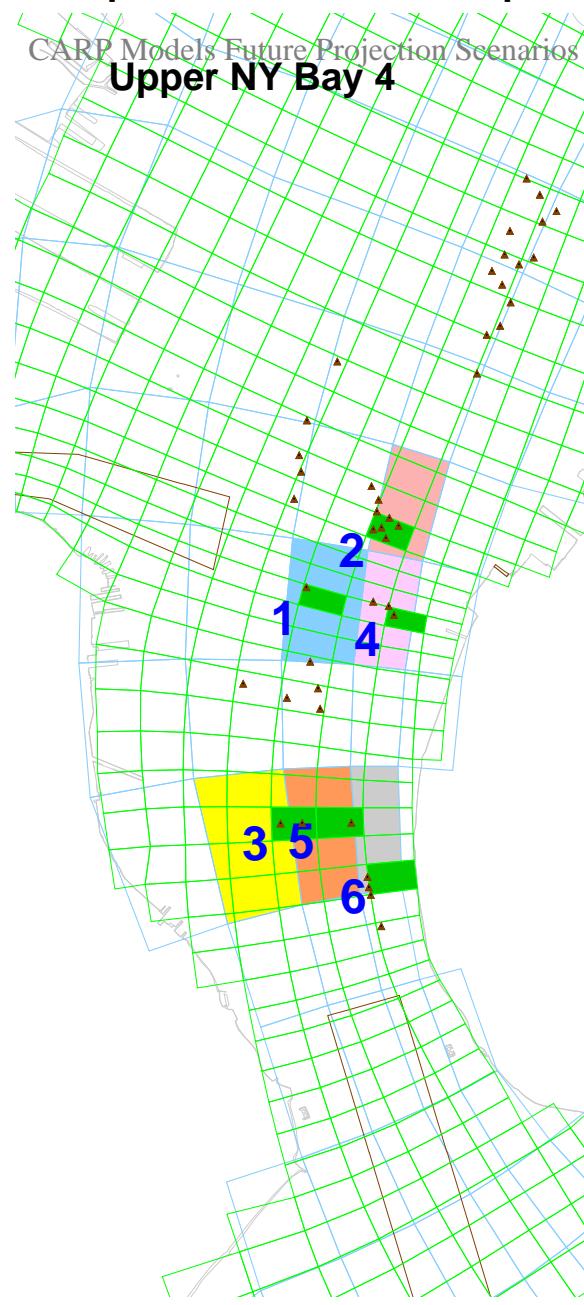
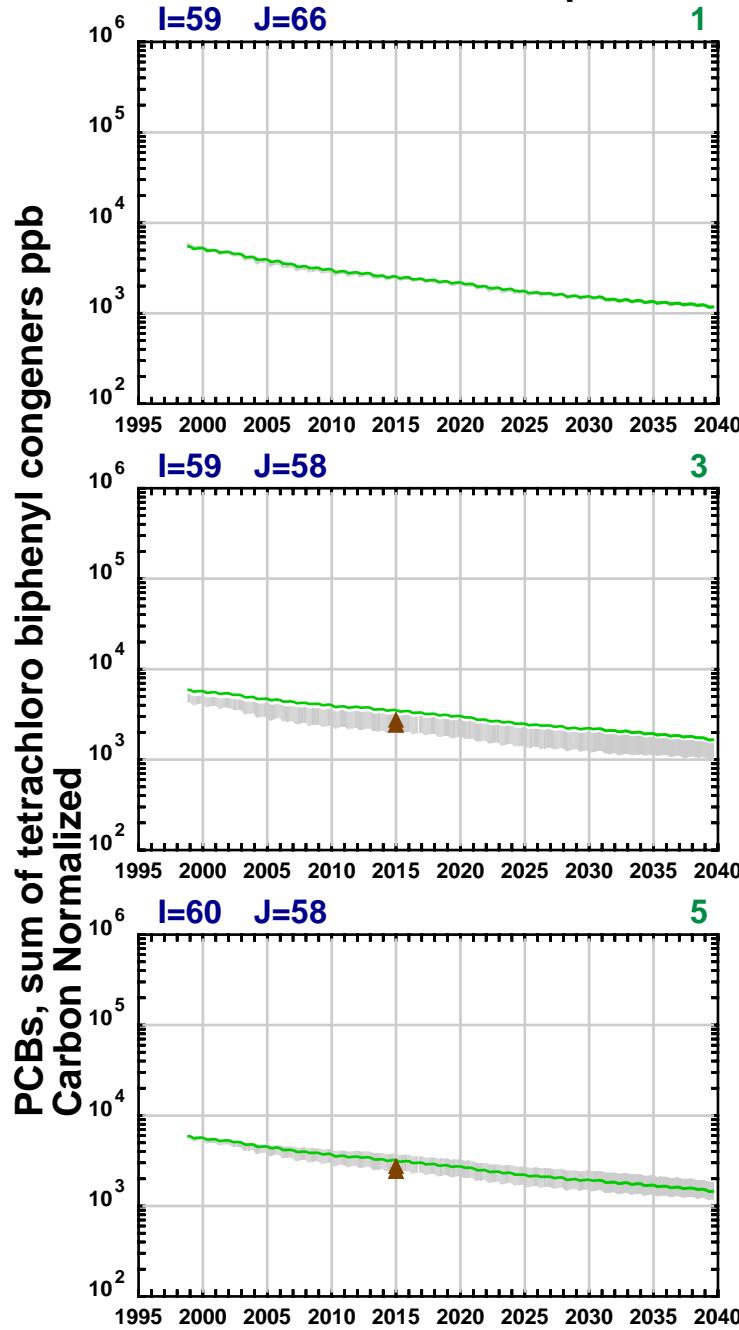
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

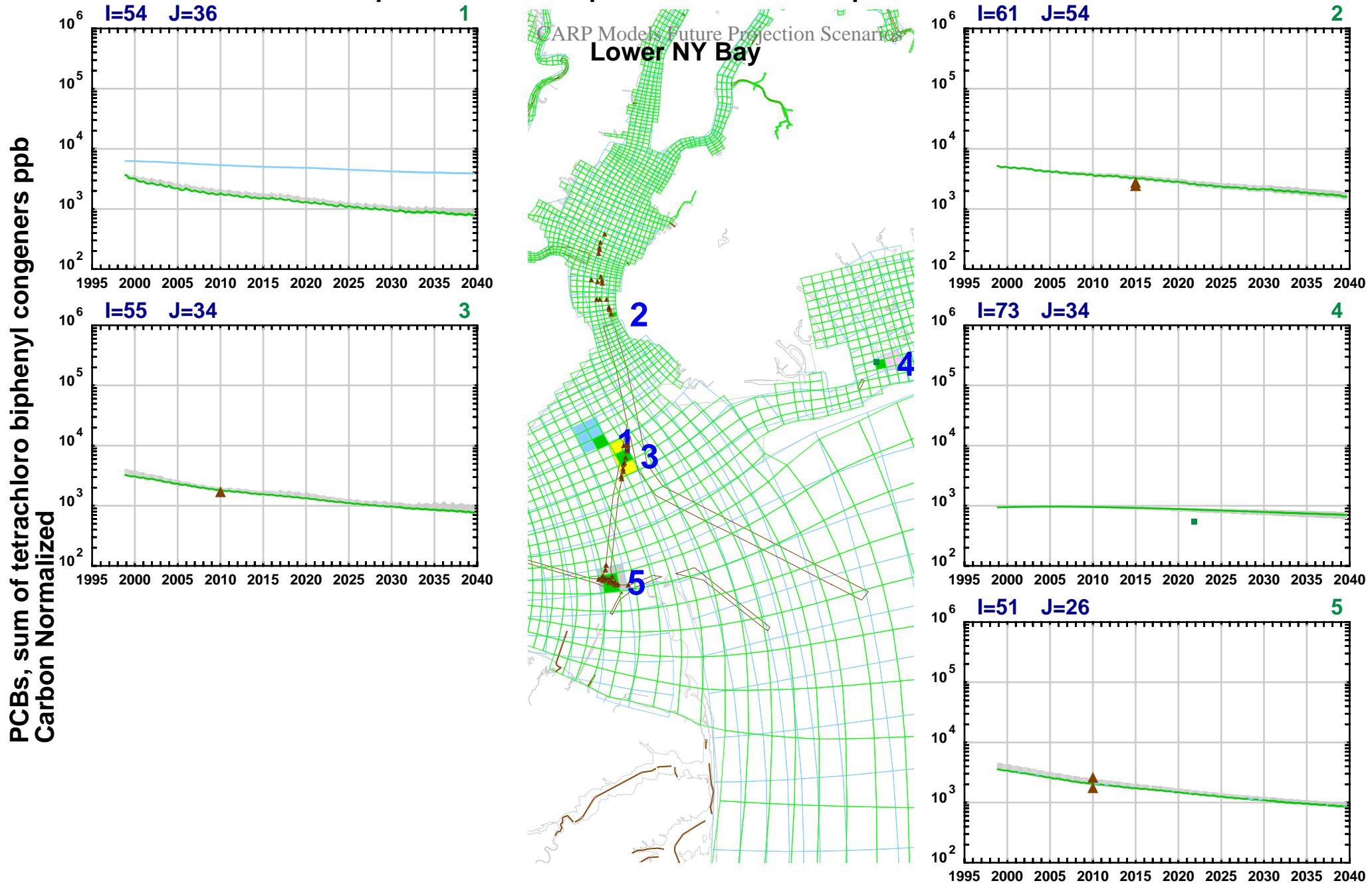
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

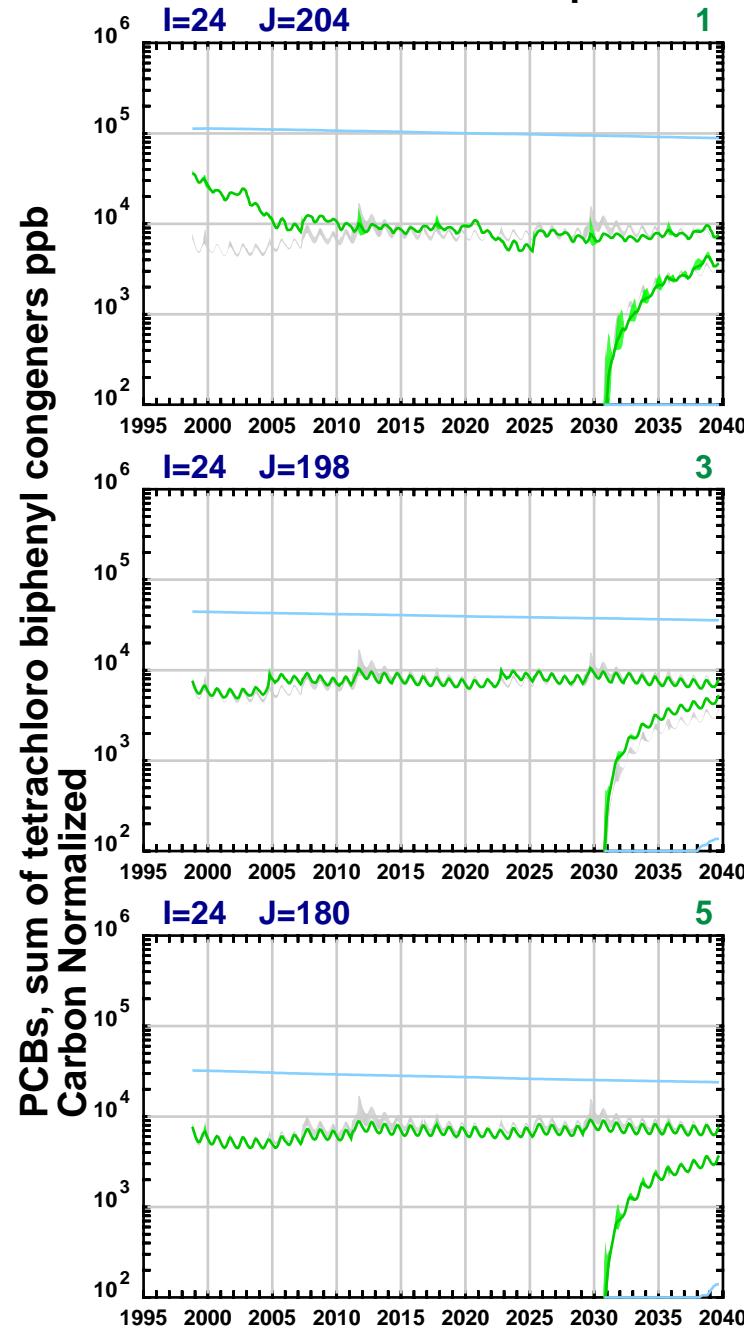
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

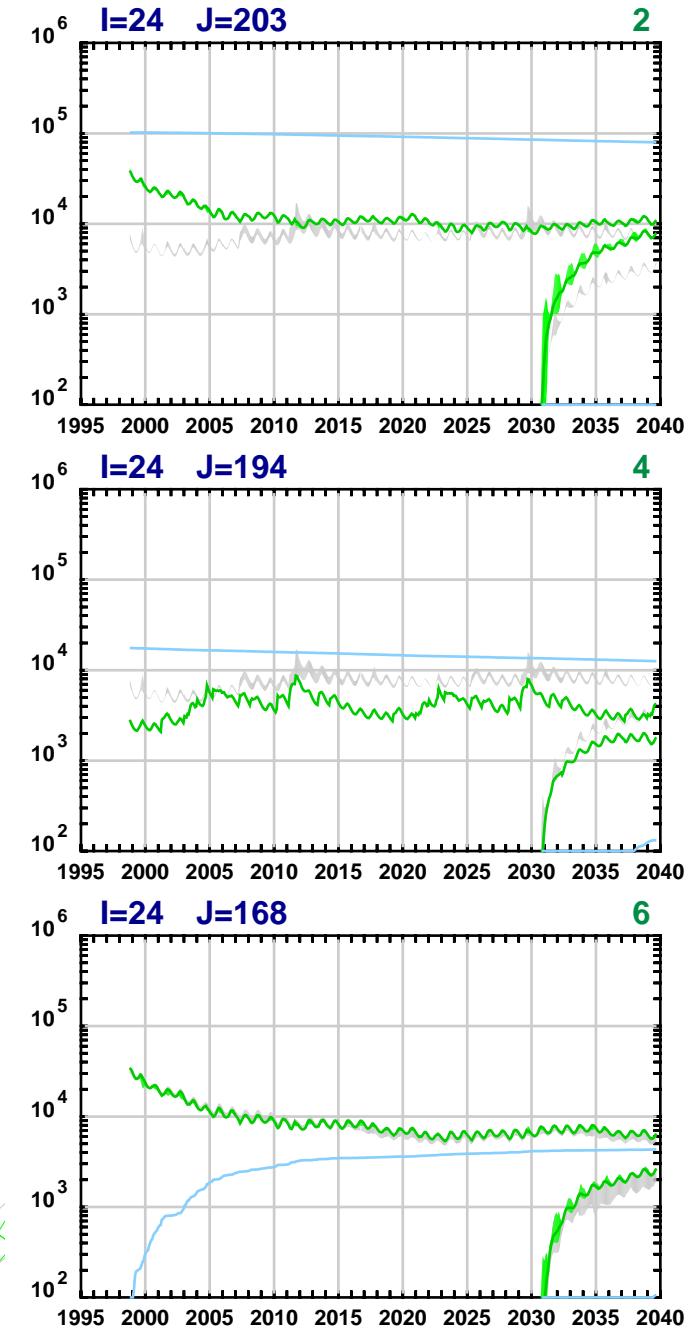
Appendix 1 Page 204 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

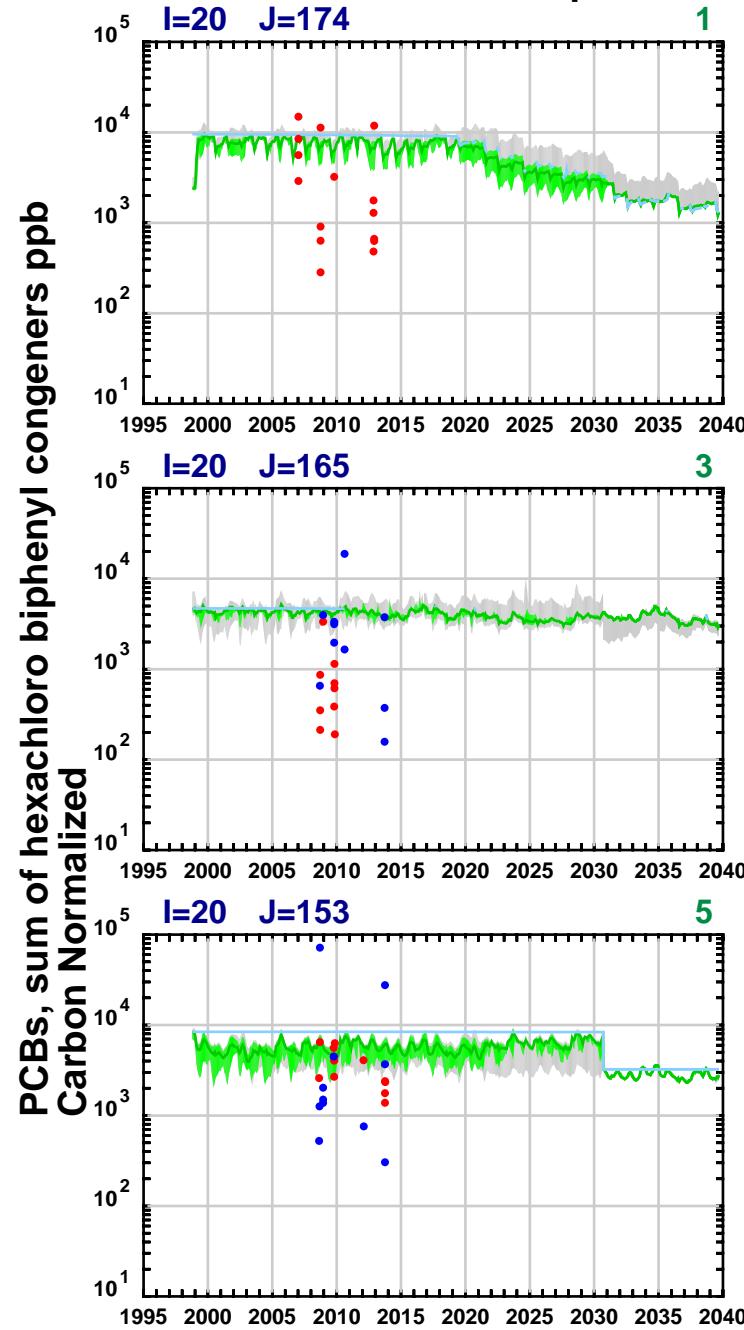
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

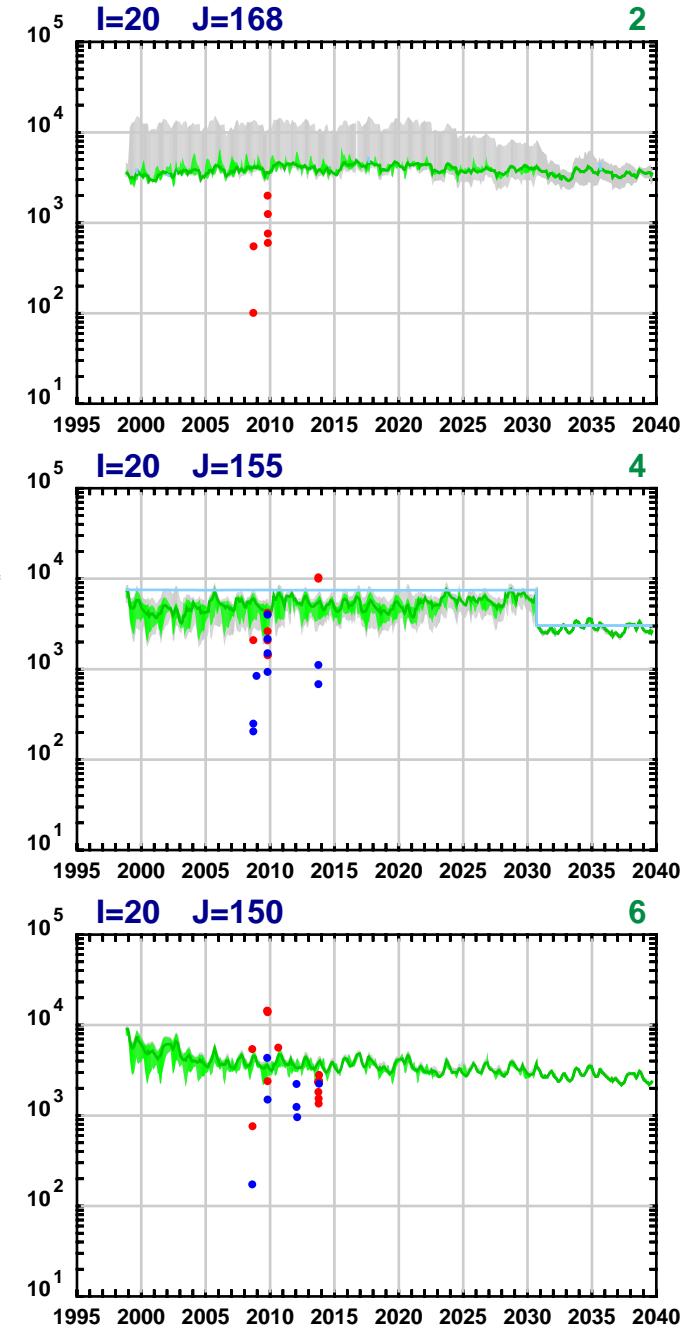
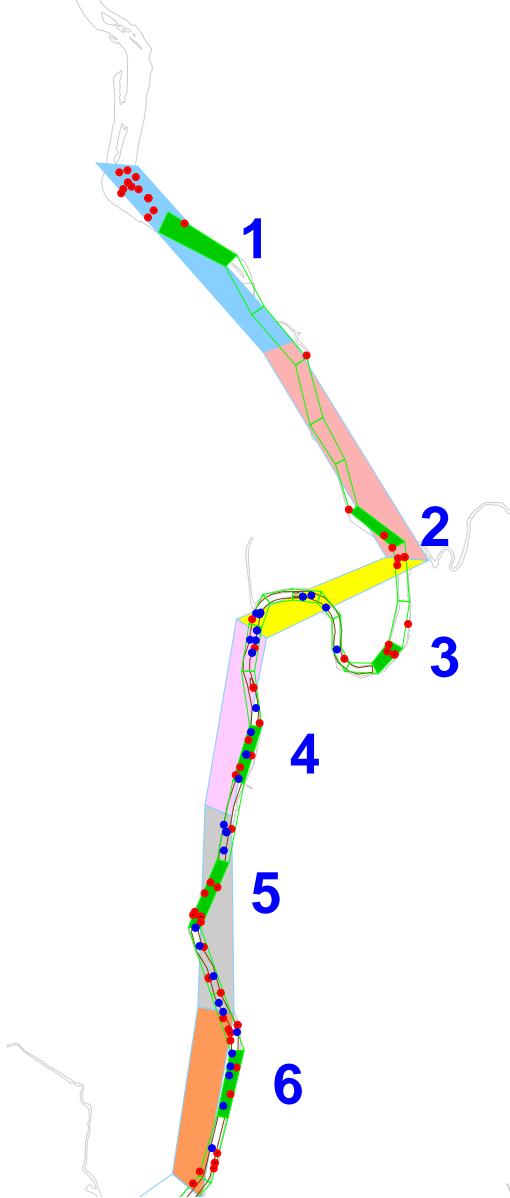
Appendix 1 Page 205 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

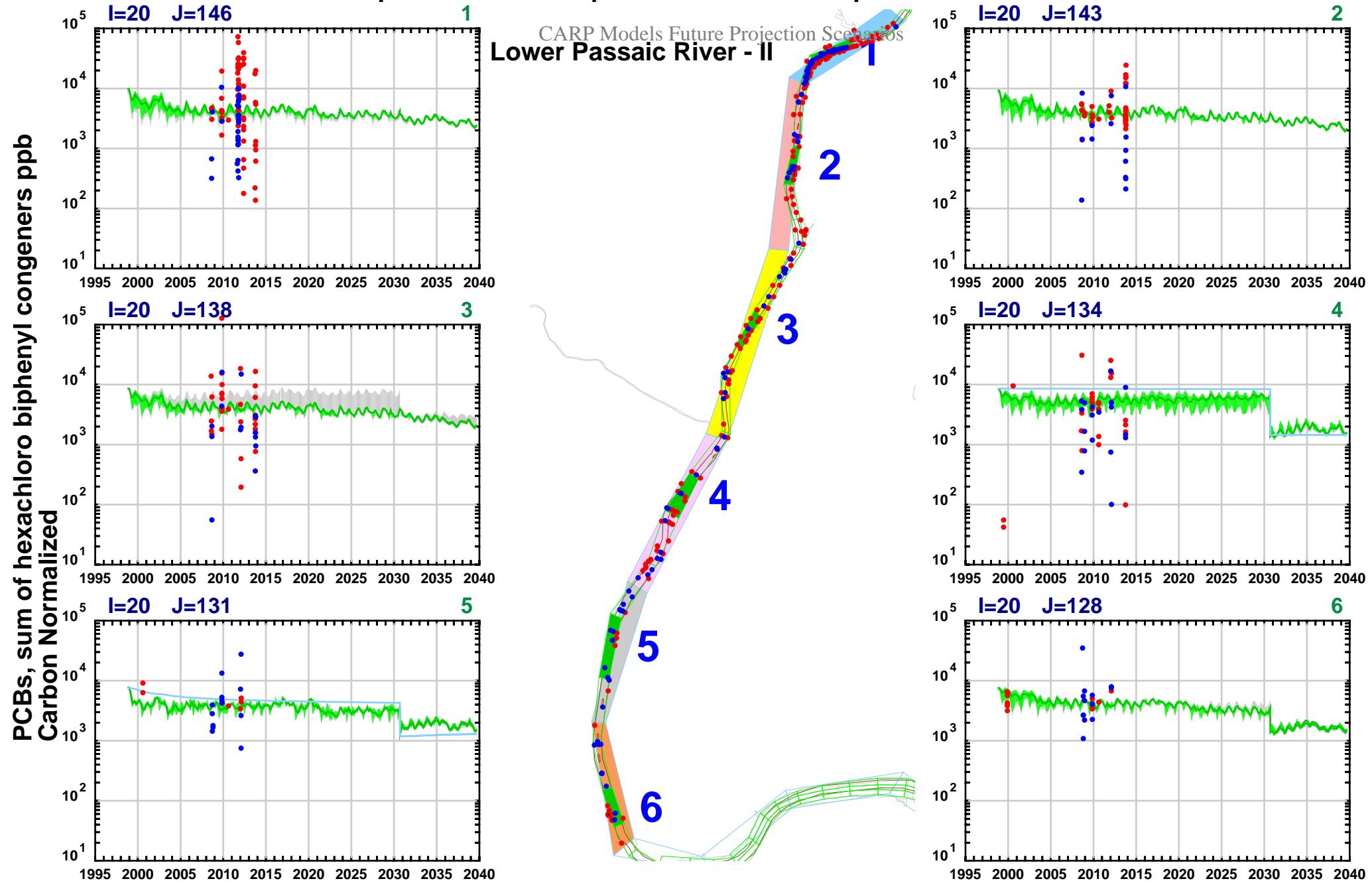
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 206 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

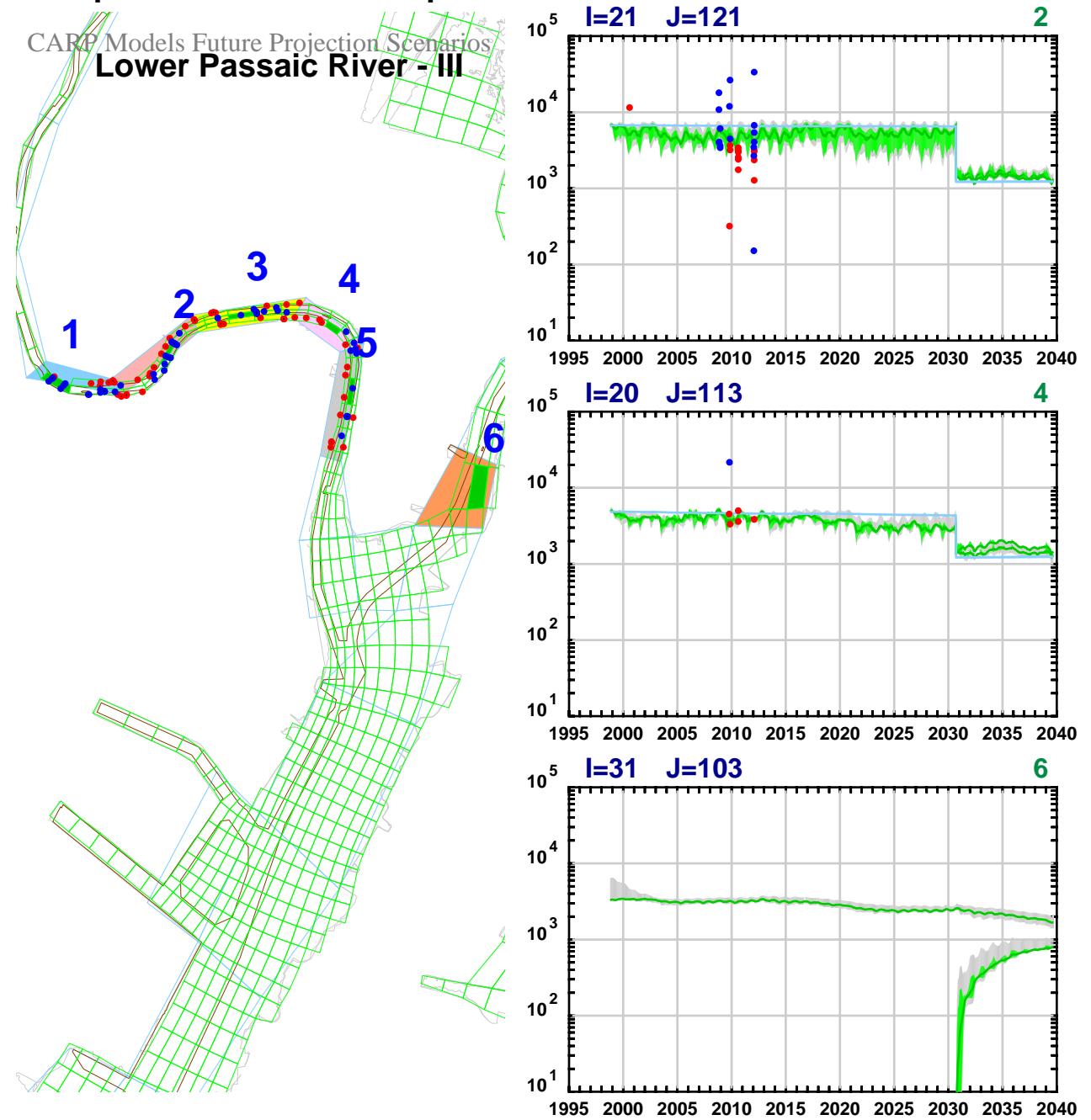
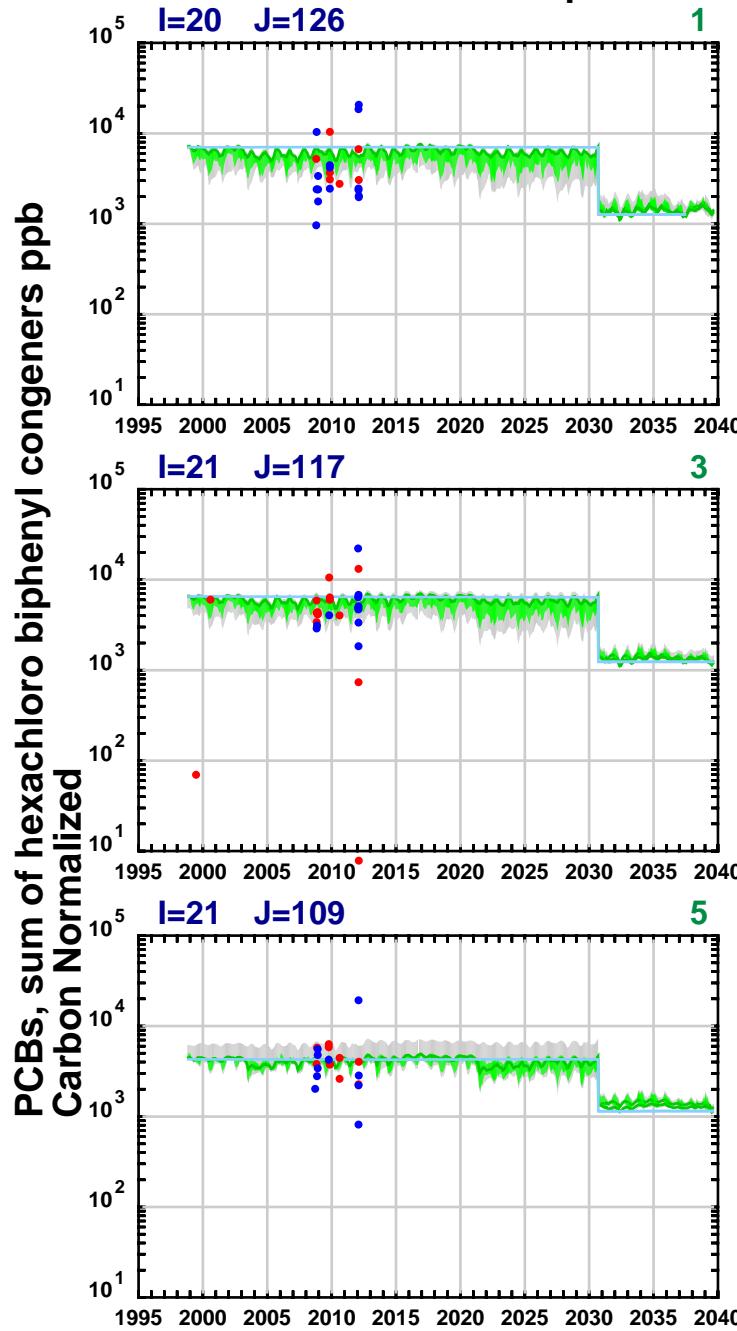
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

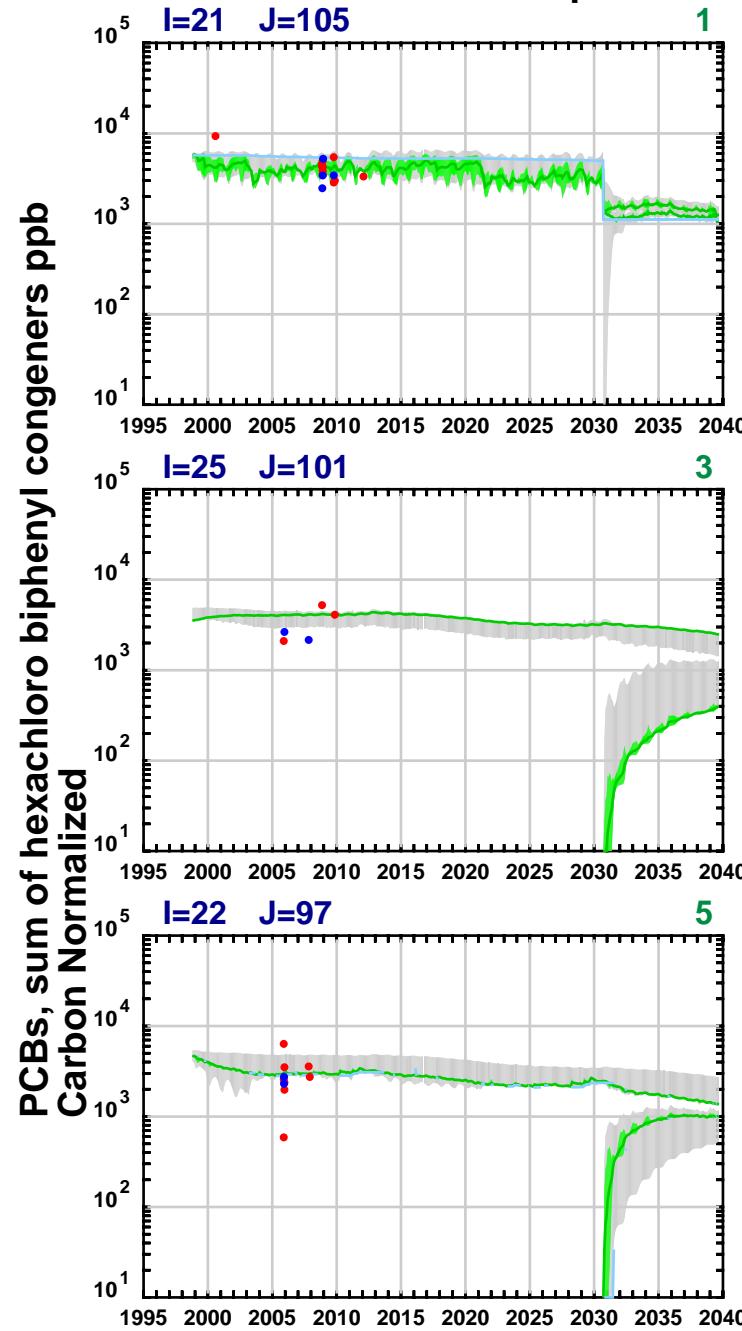
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

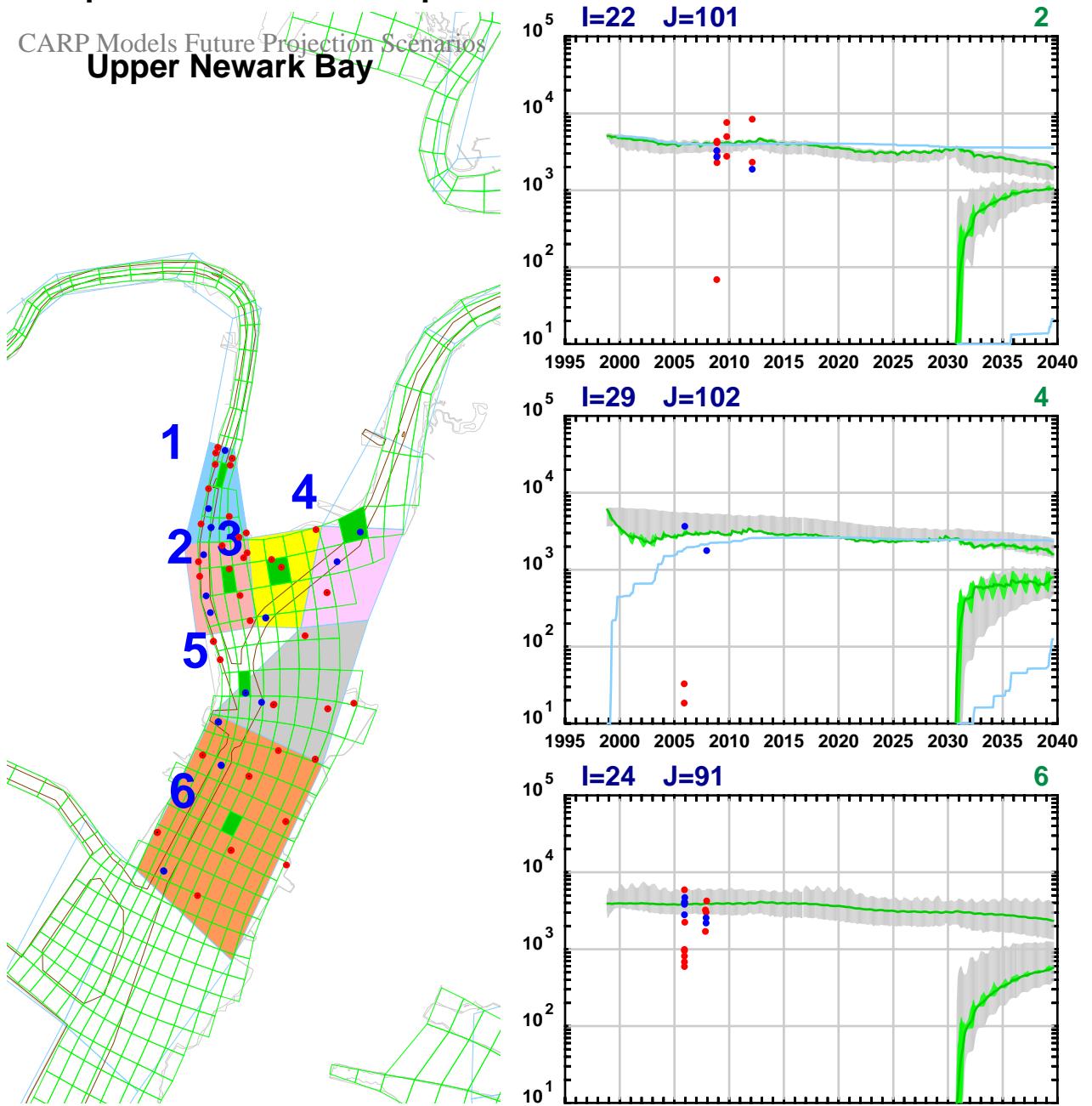
Appendix 1 Page 208 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

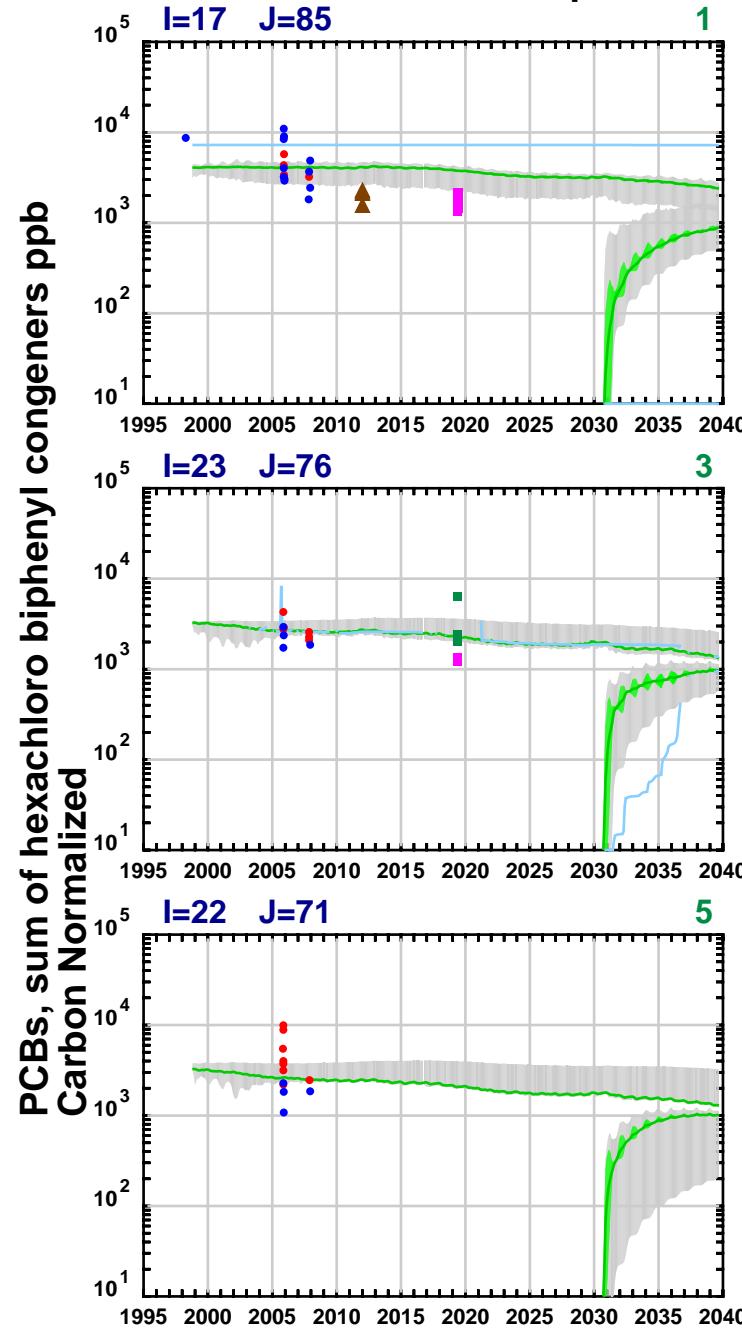
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

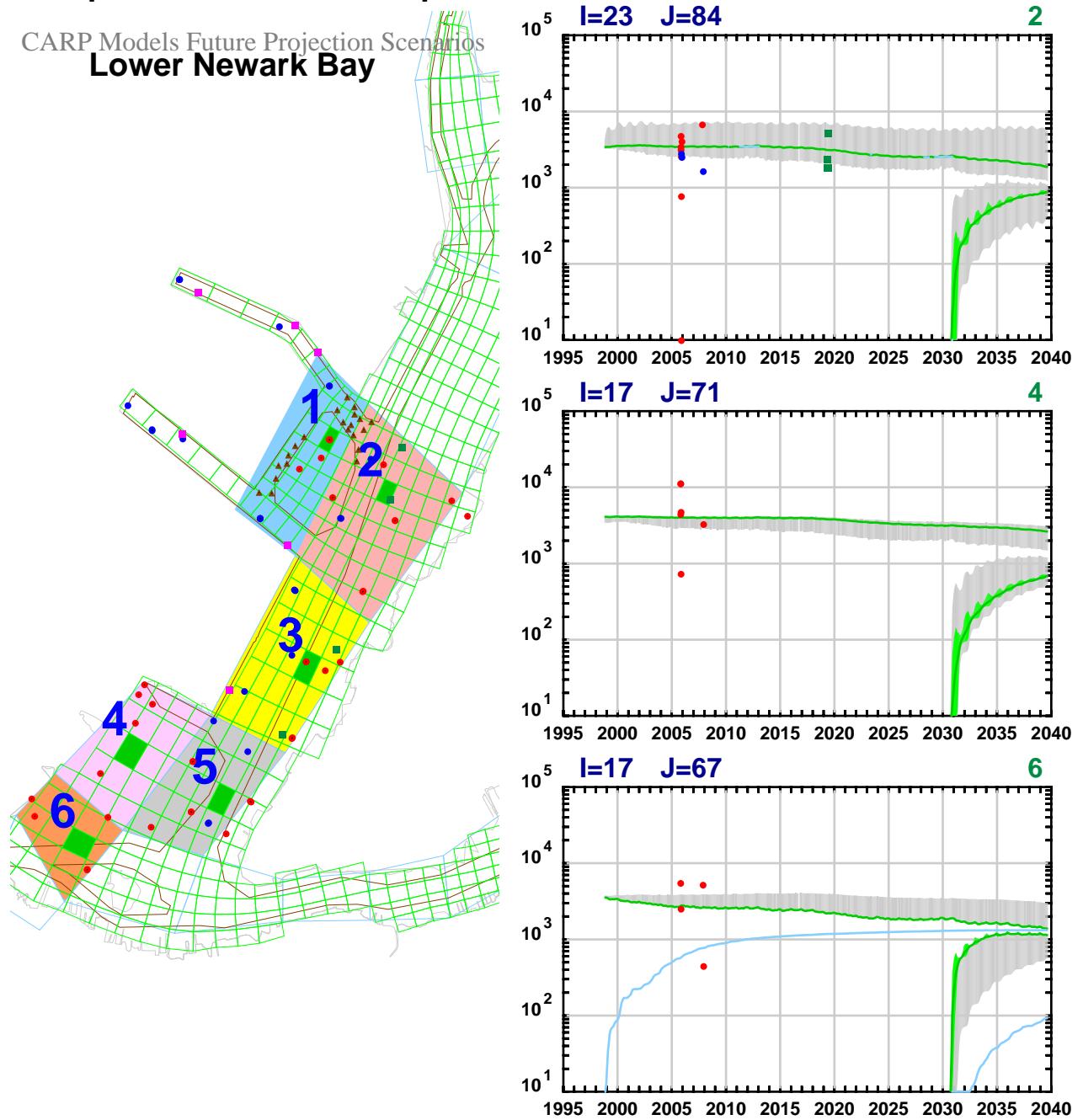
Appendix 1 Page 209 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

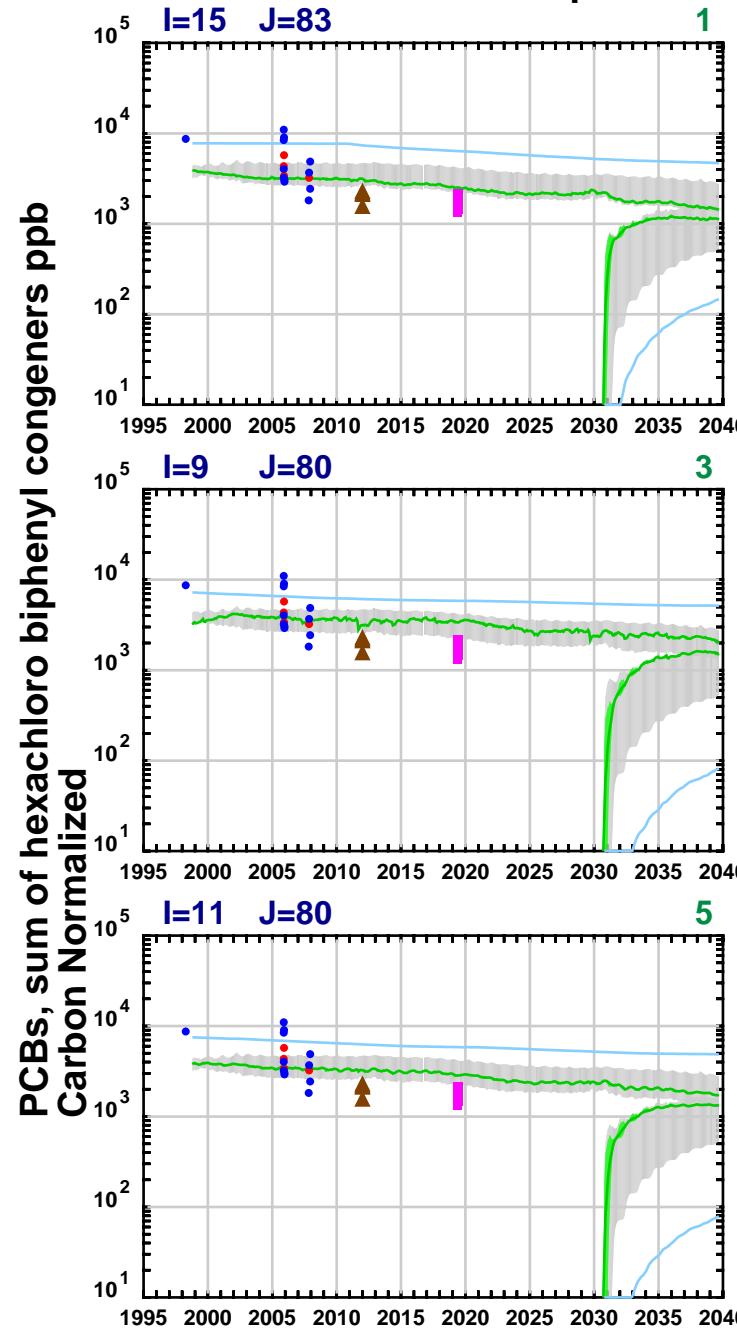
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

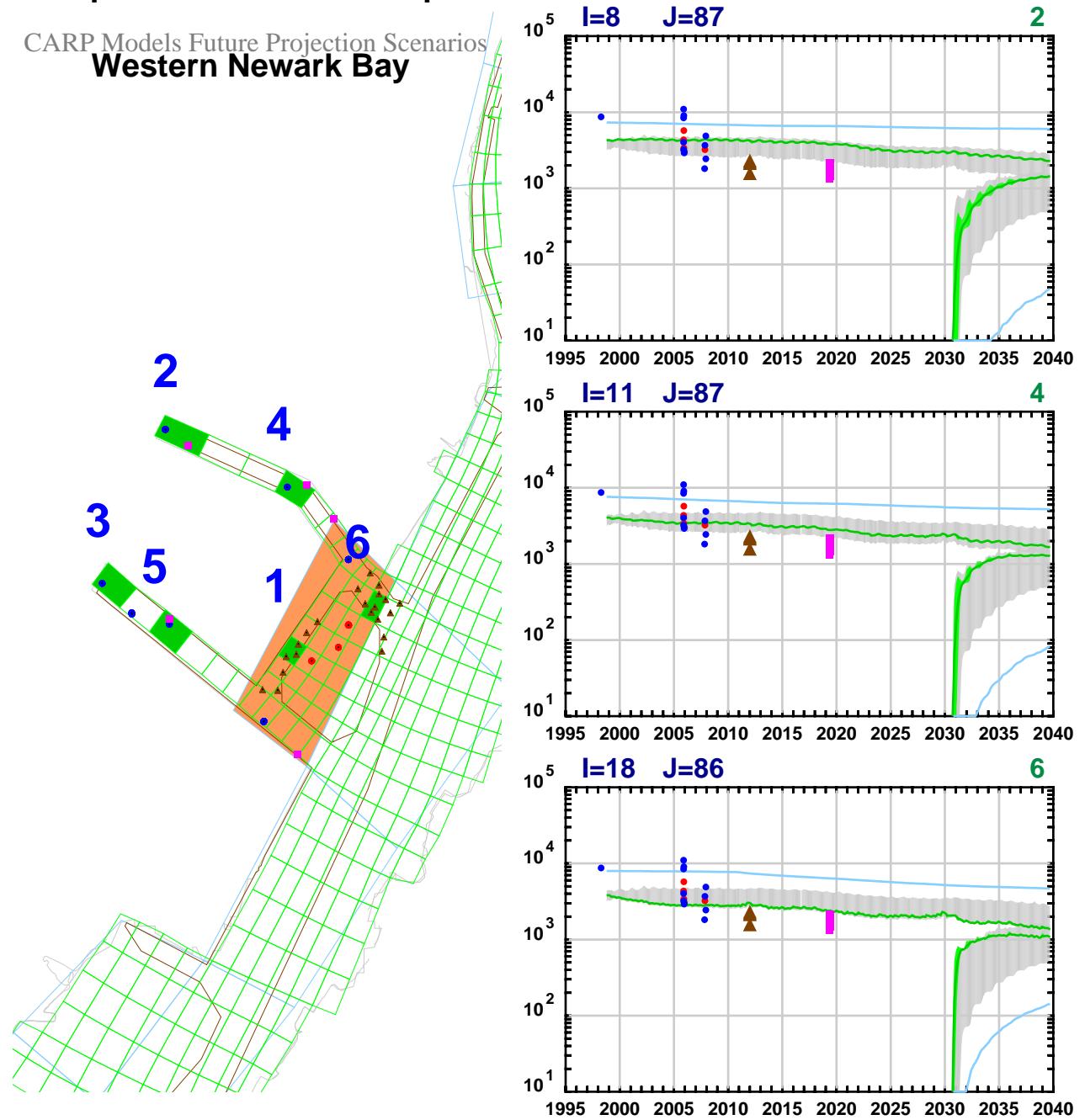
Appendix 1 Page 210 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

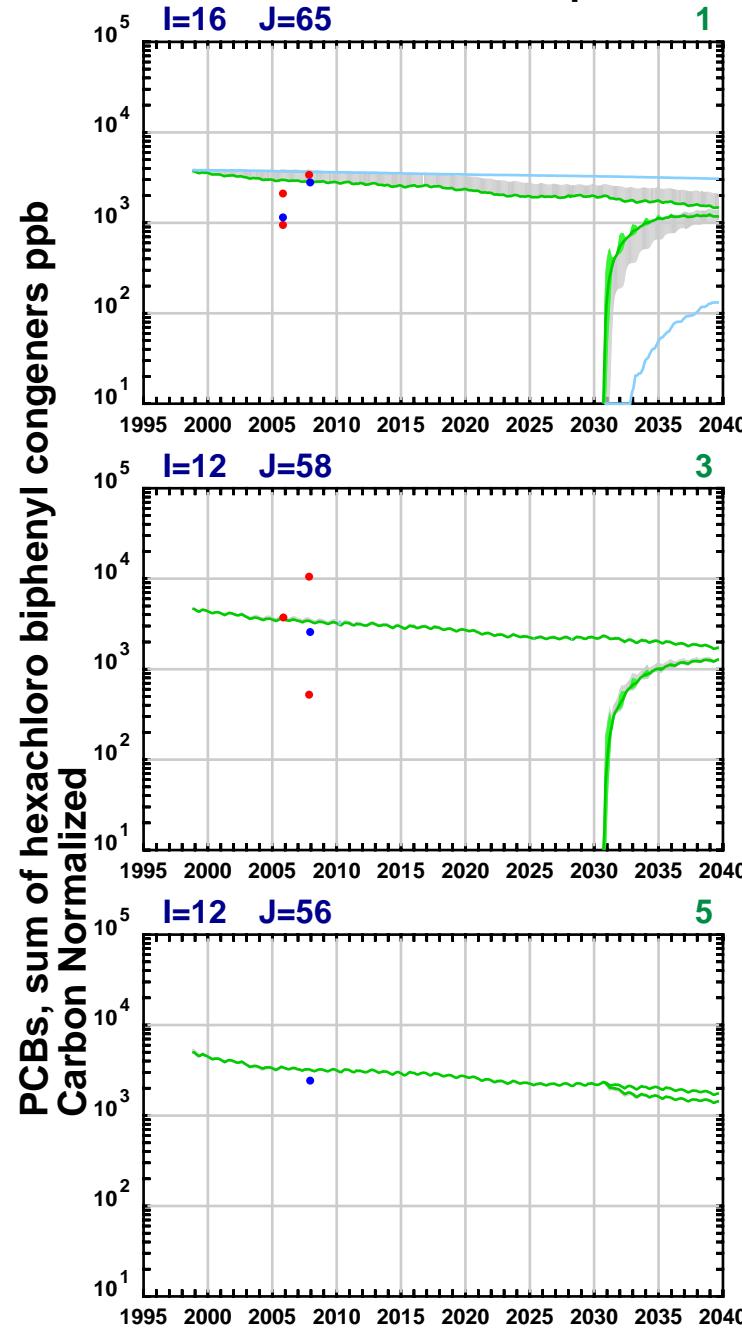
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

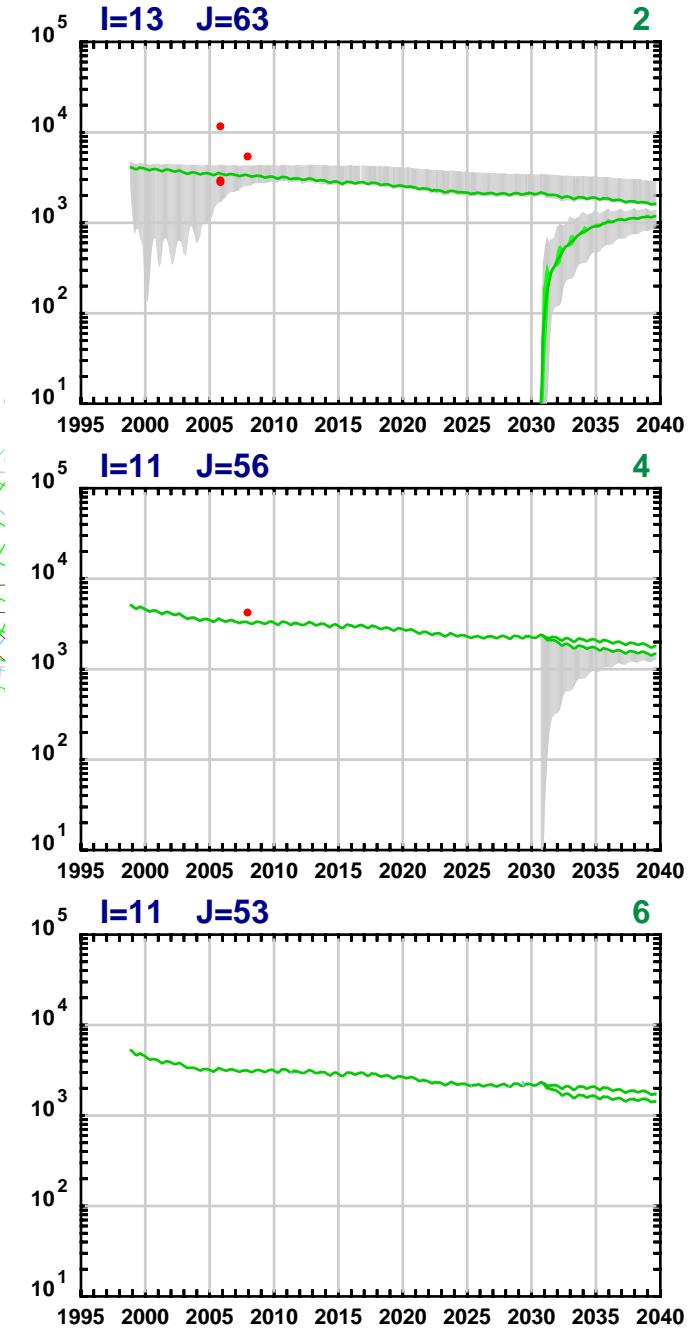
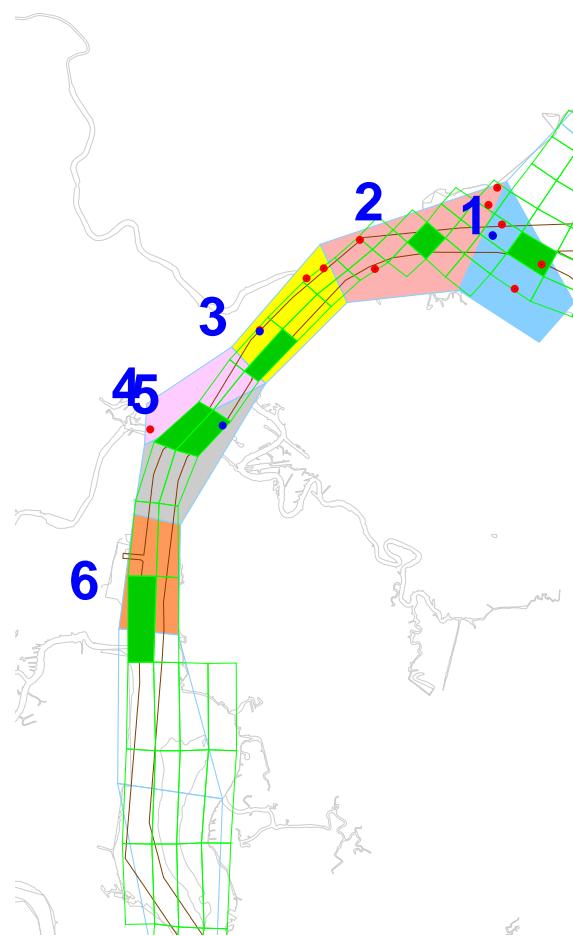
Appendix 1 Page 211 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

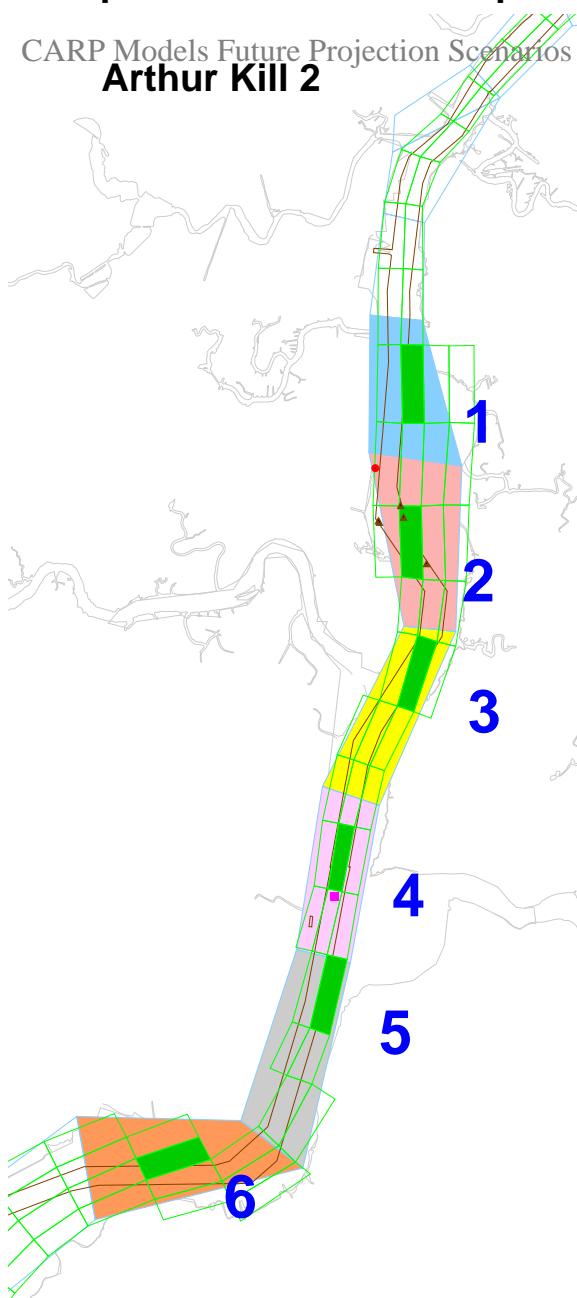
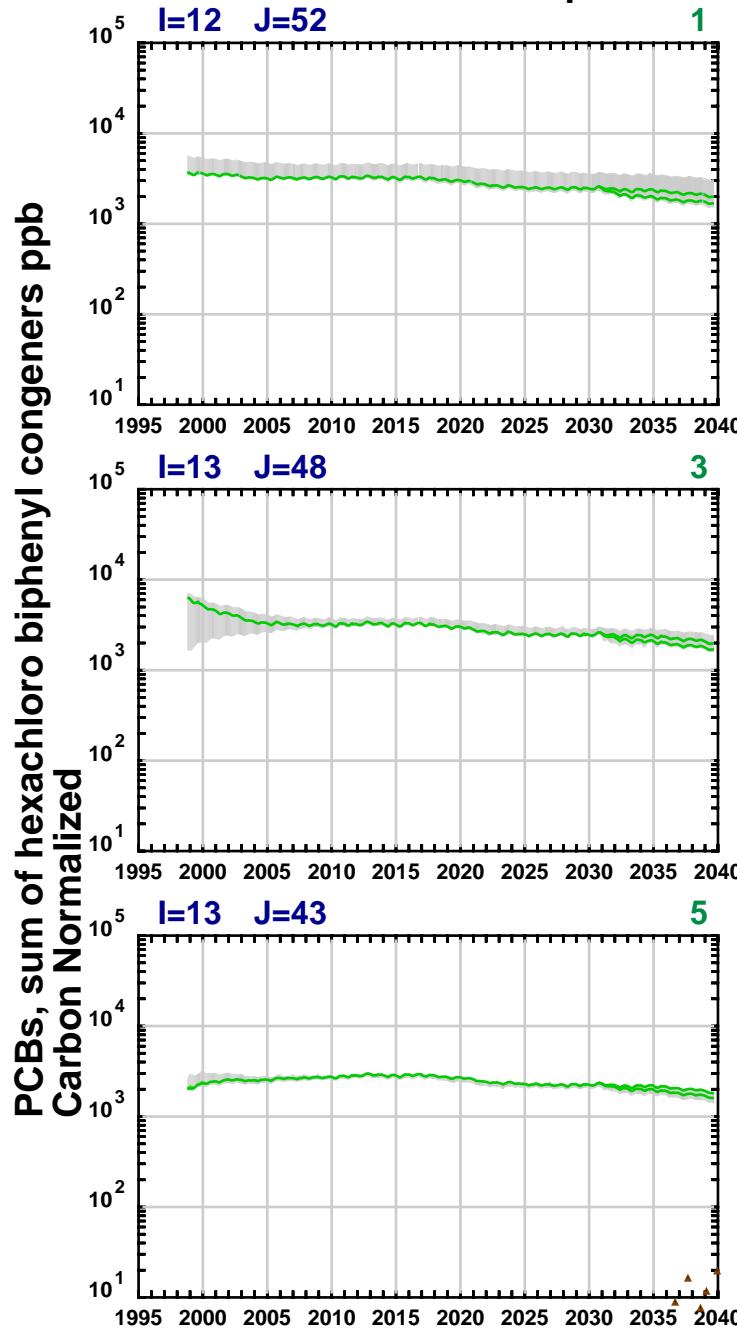
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 212 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

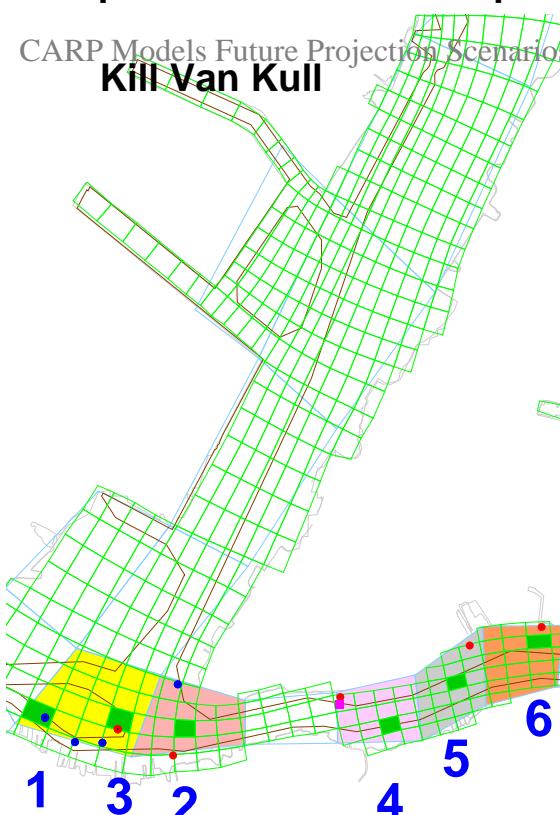
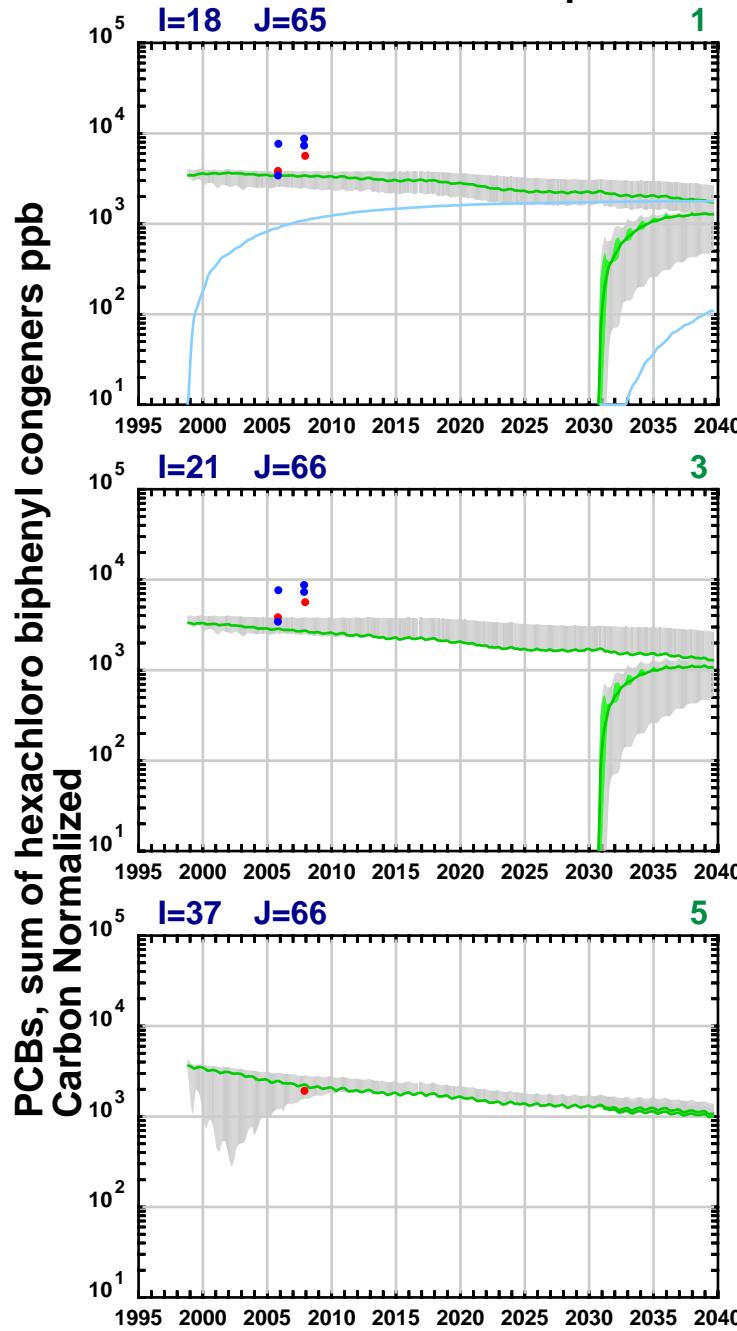
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

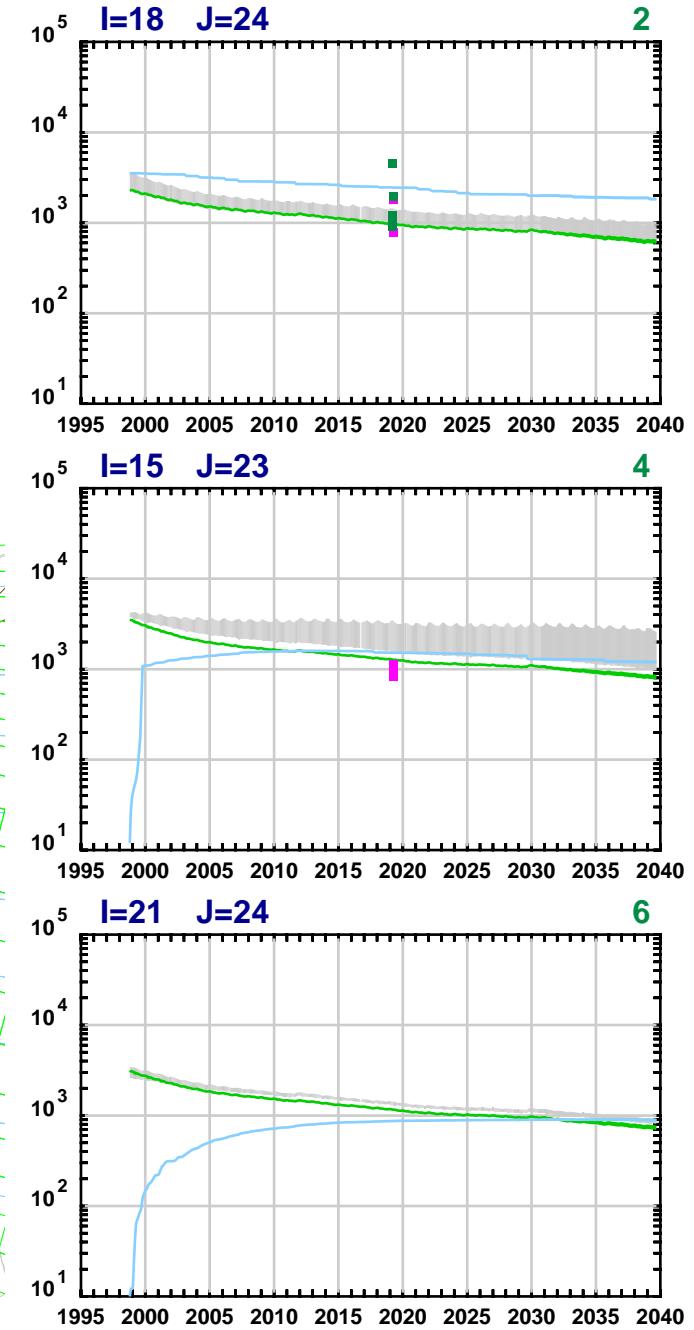
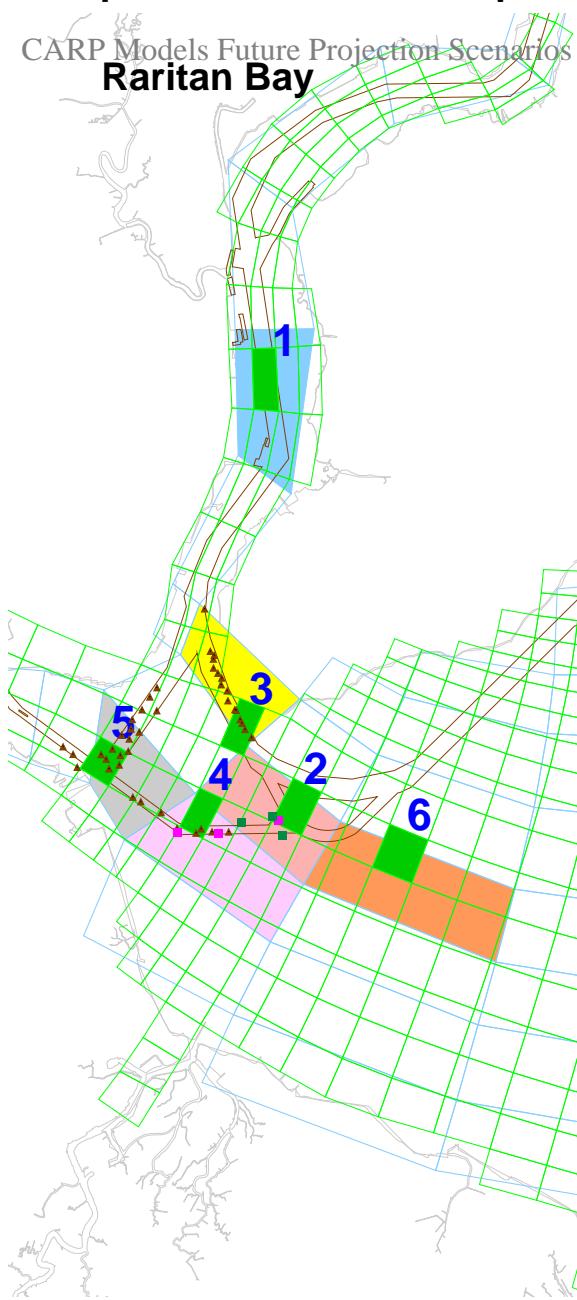
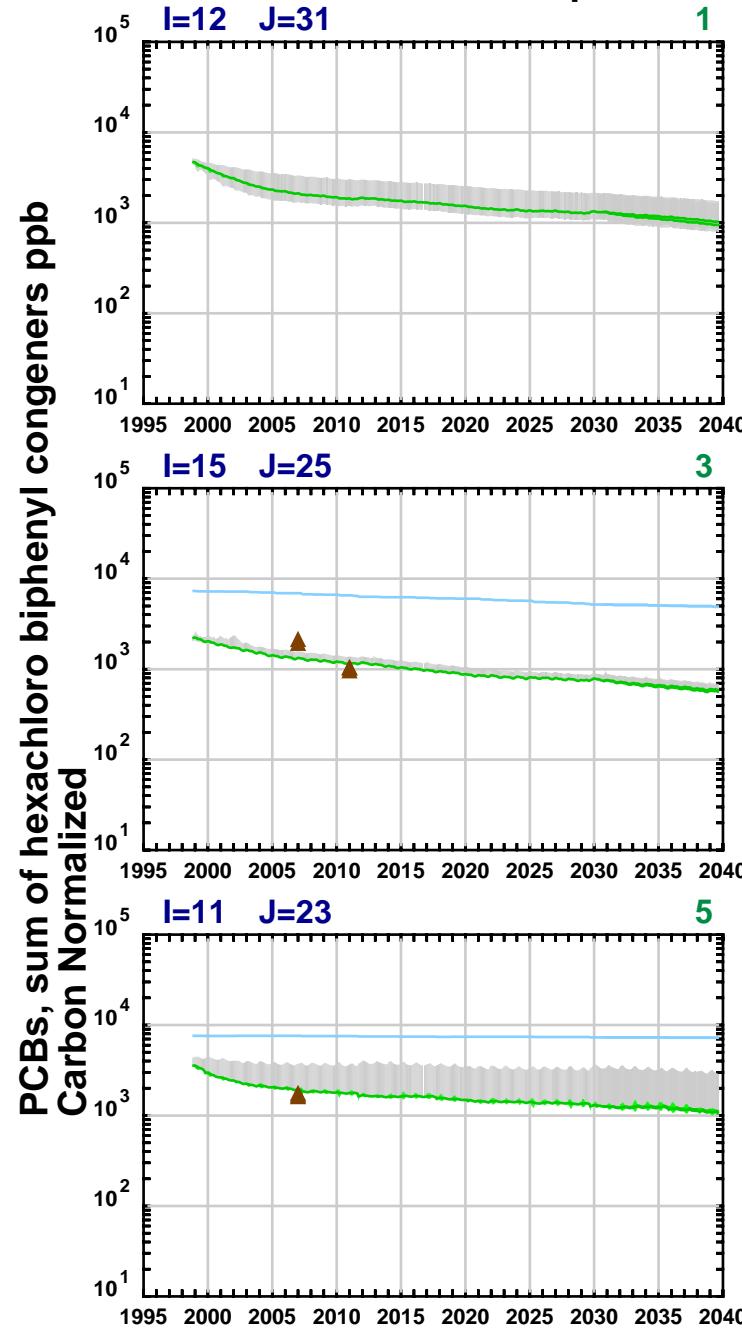
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 214 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

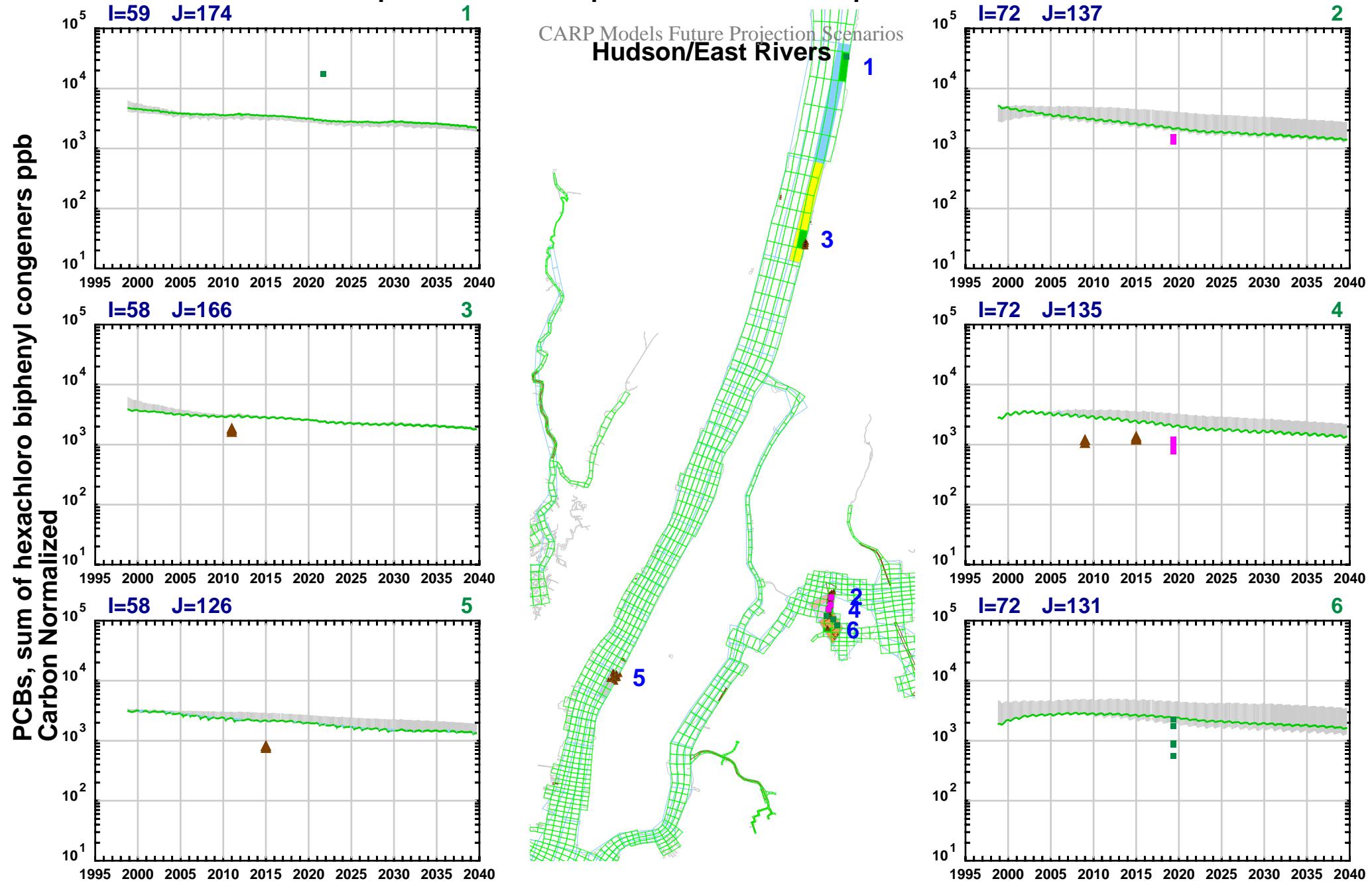
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

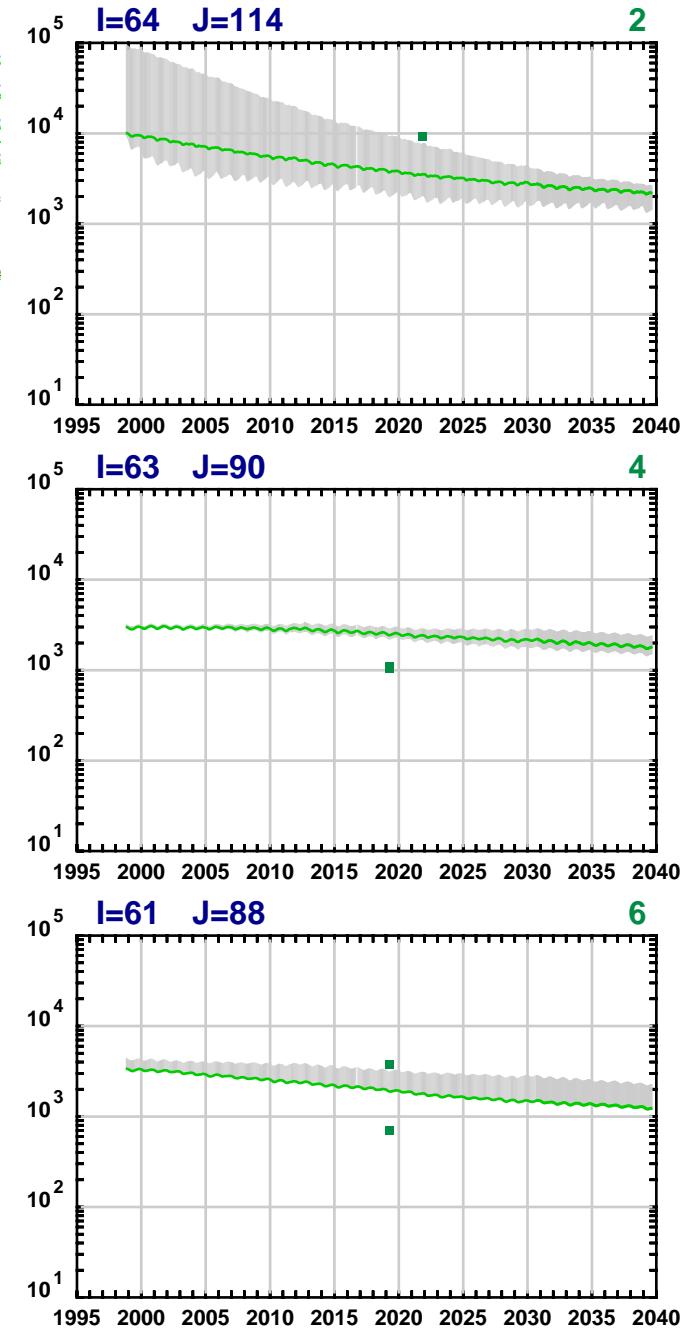
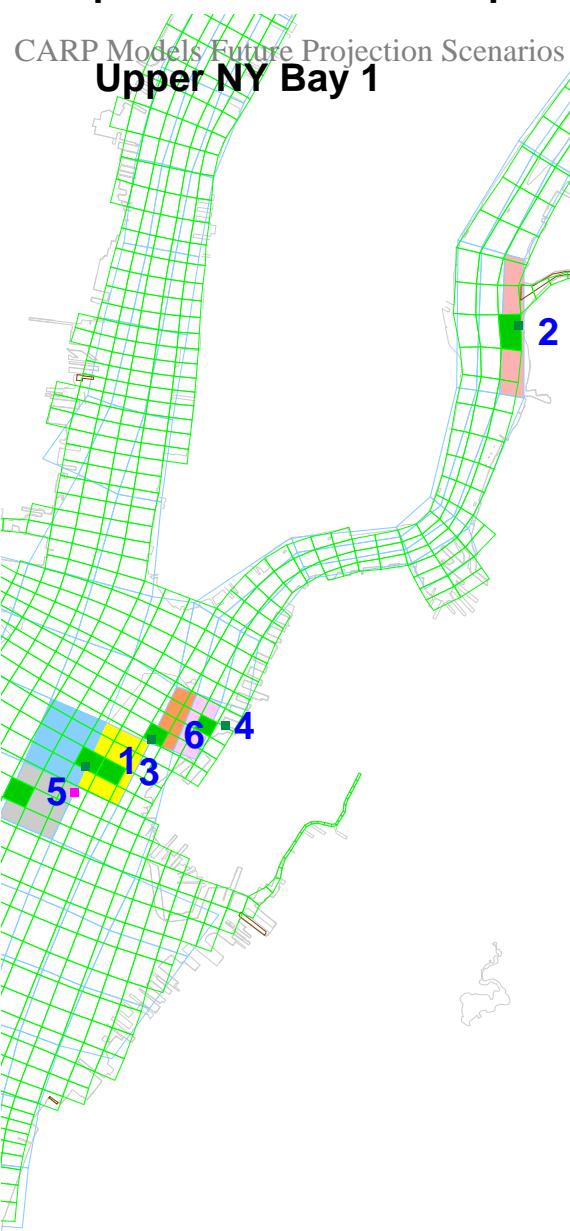
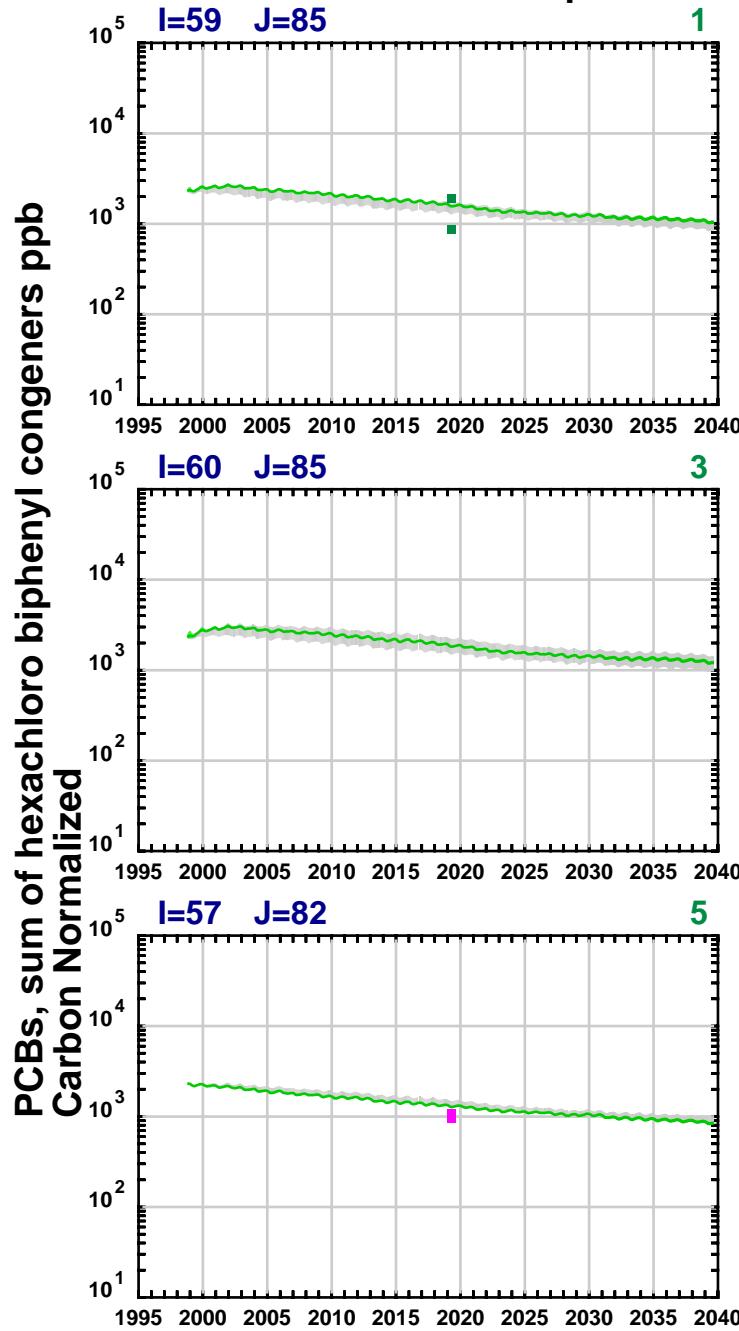
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 216 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

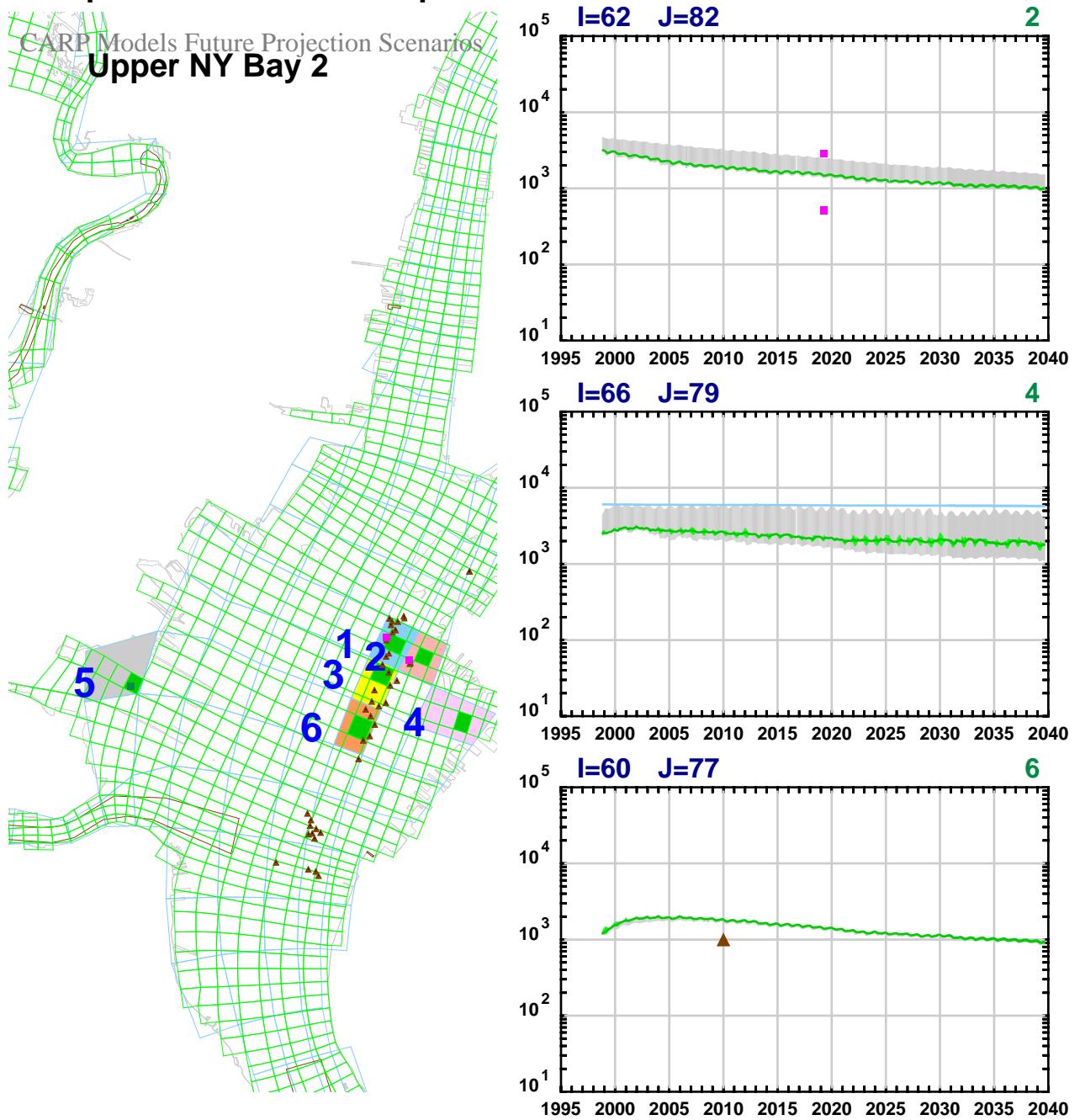
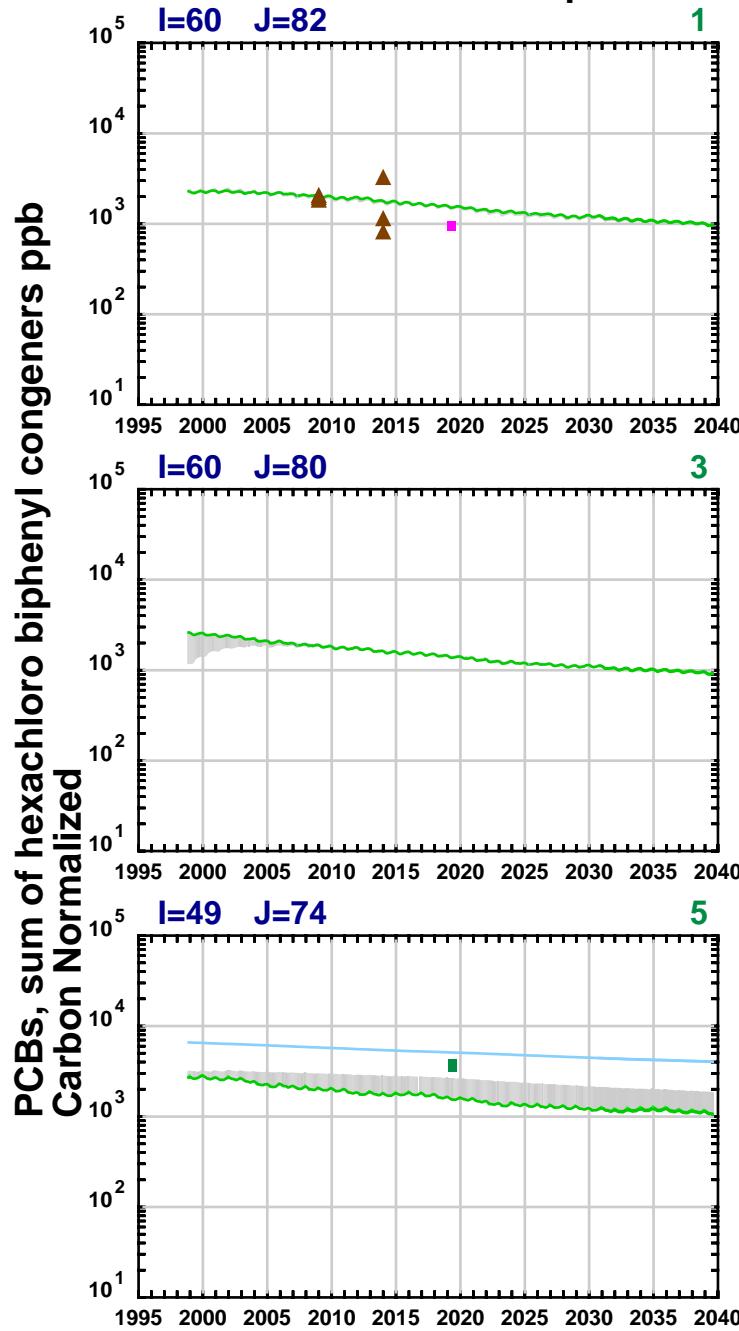
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

Appendix 1 Page 217 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

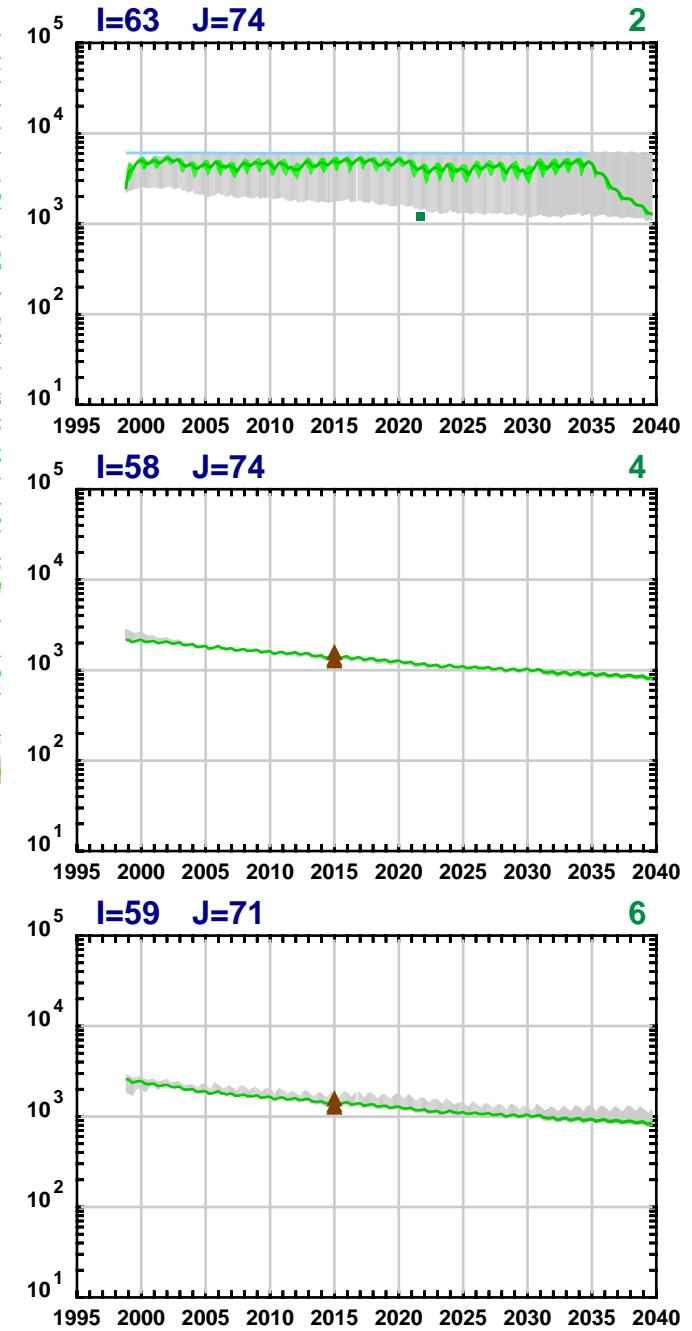
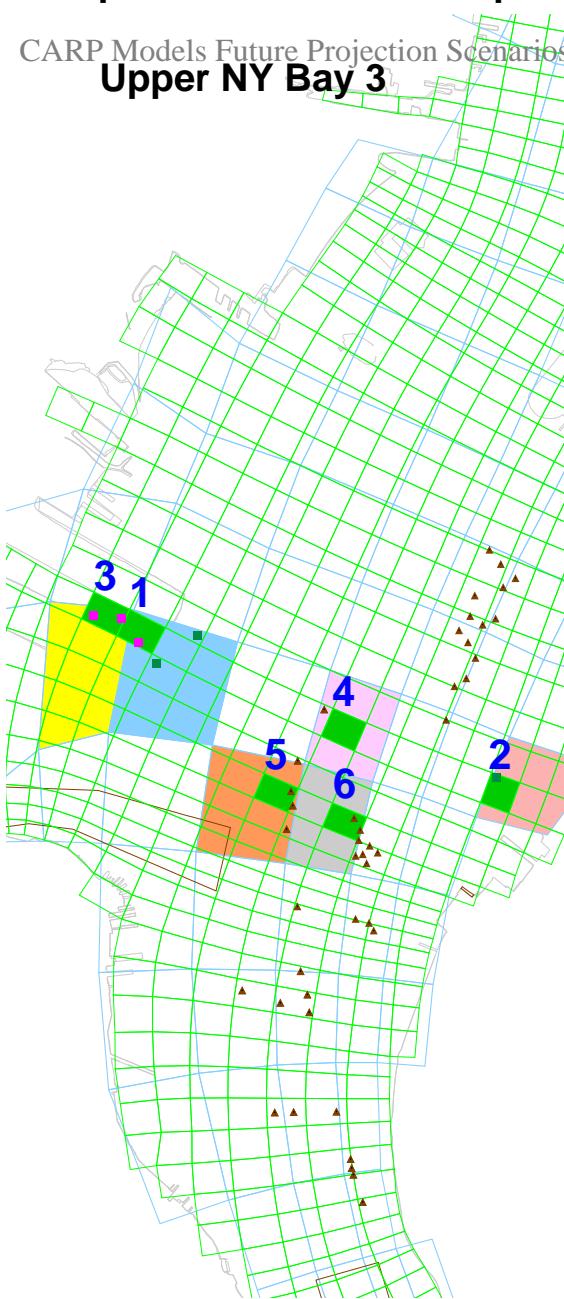
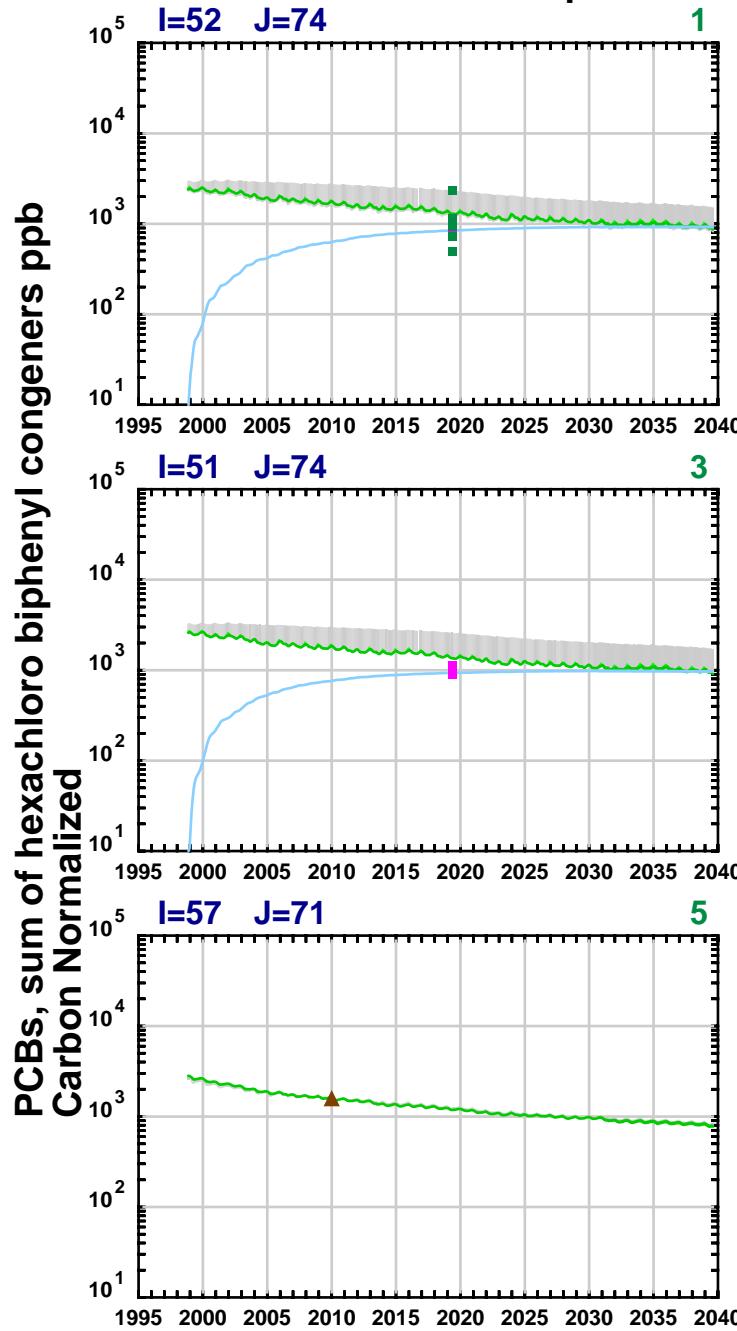
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

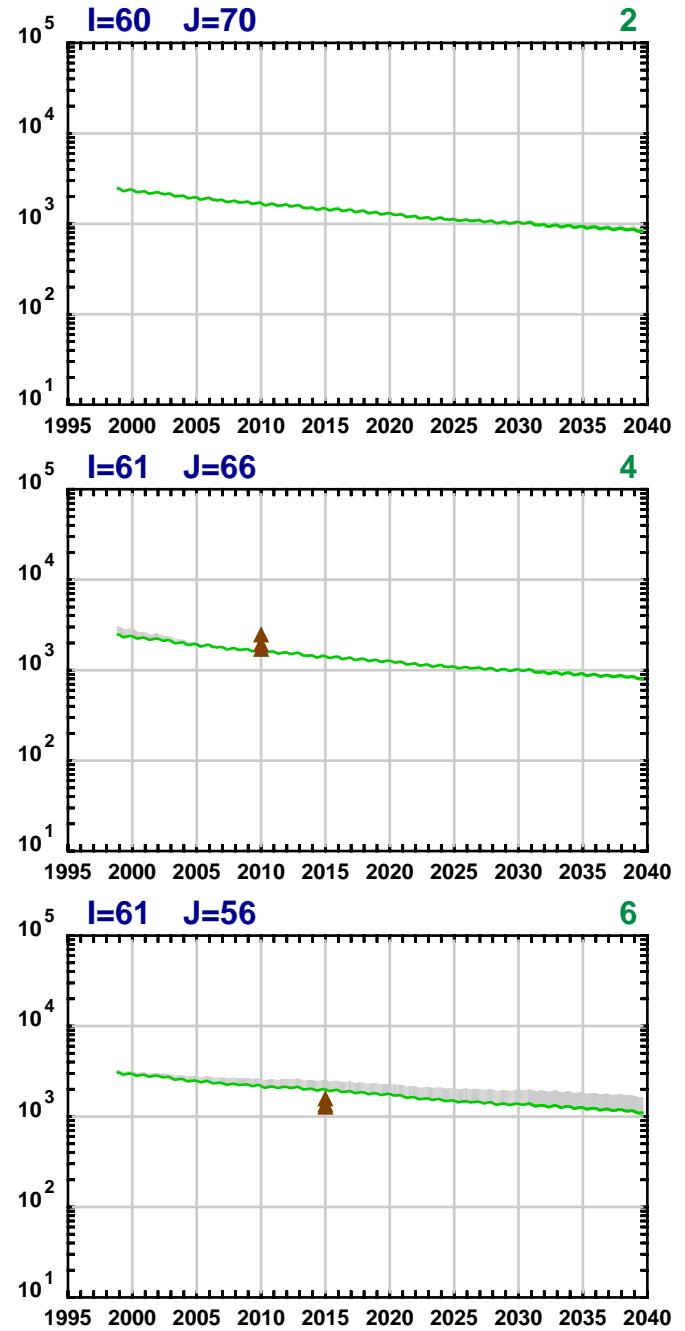
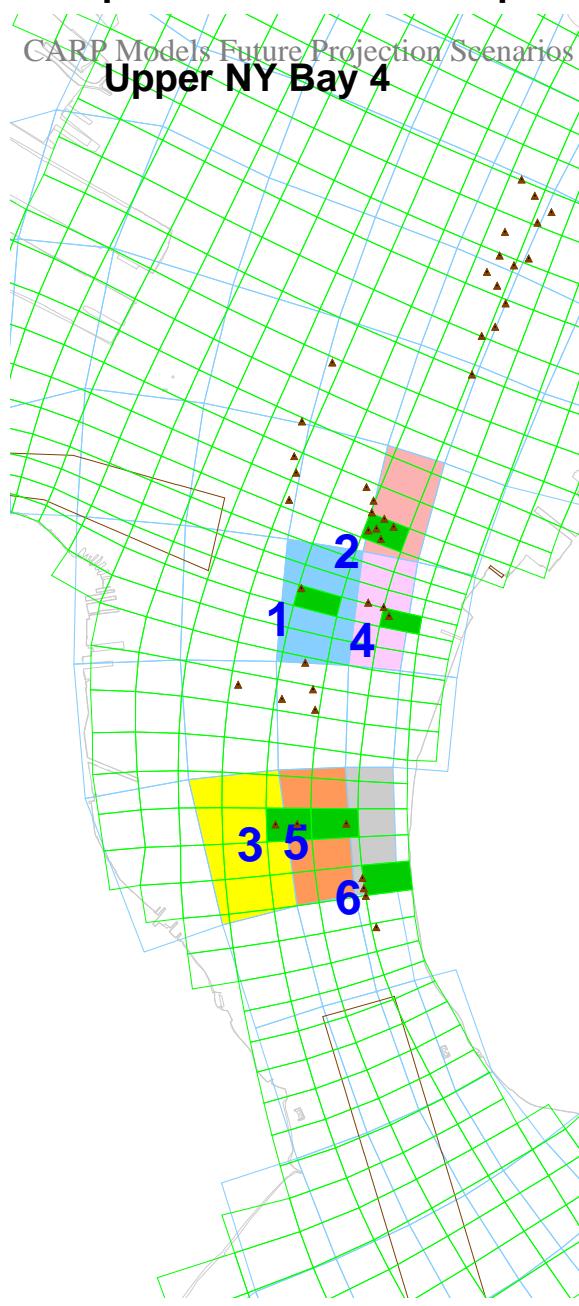
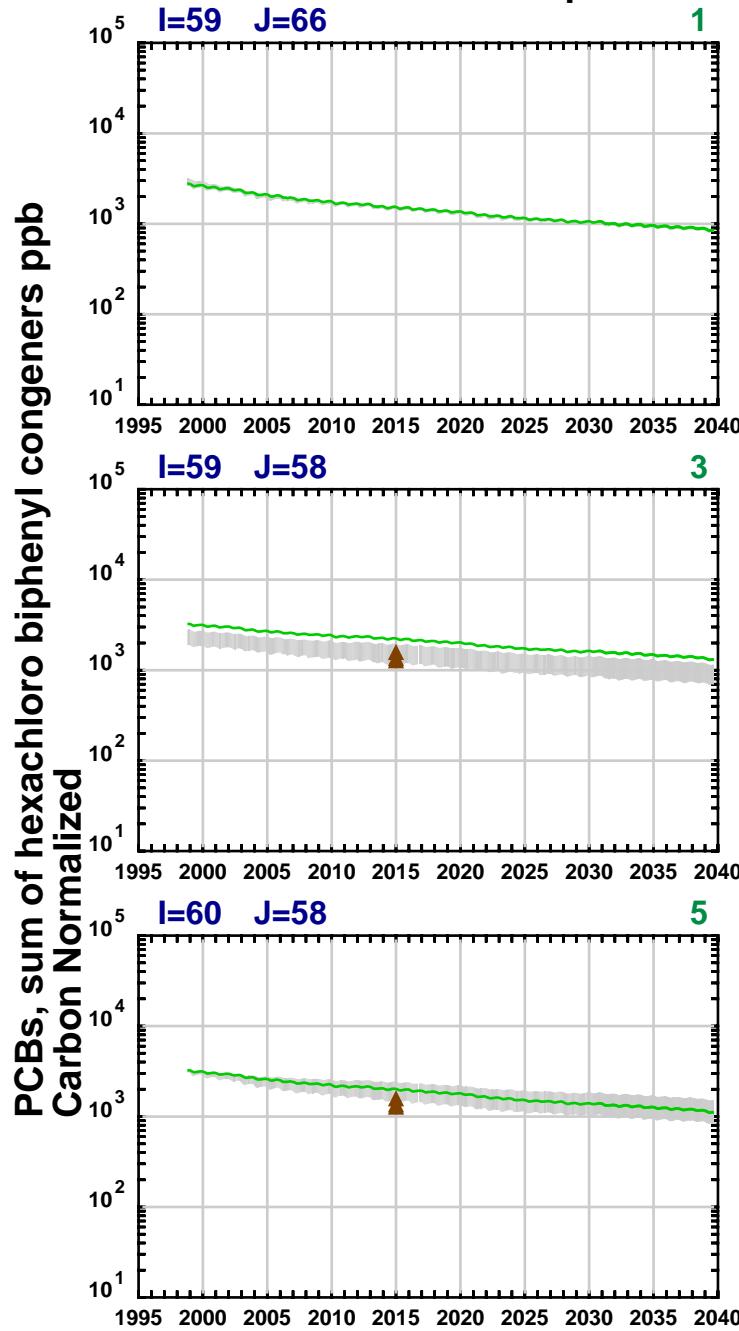
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

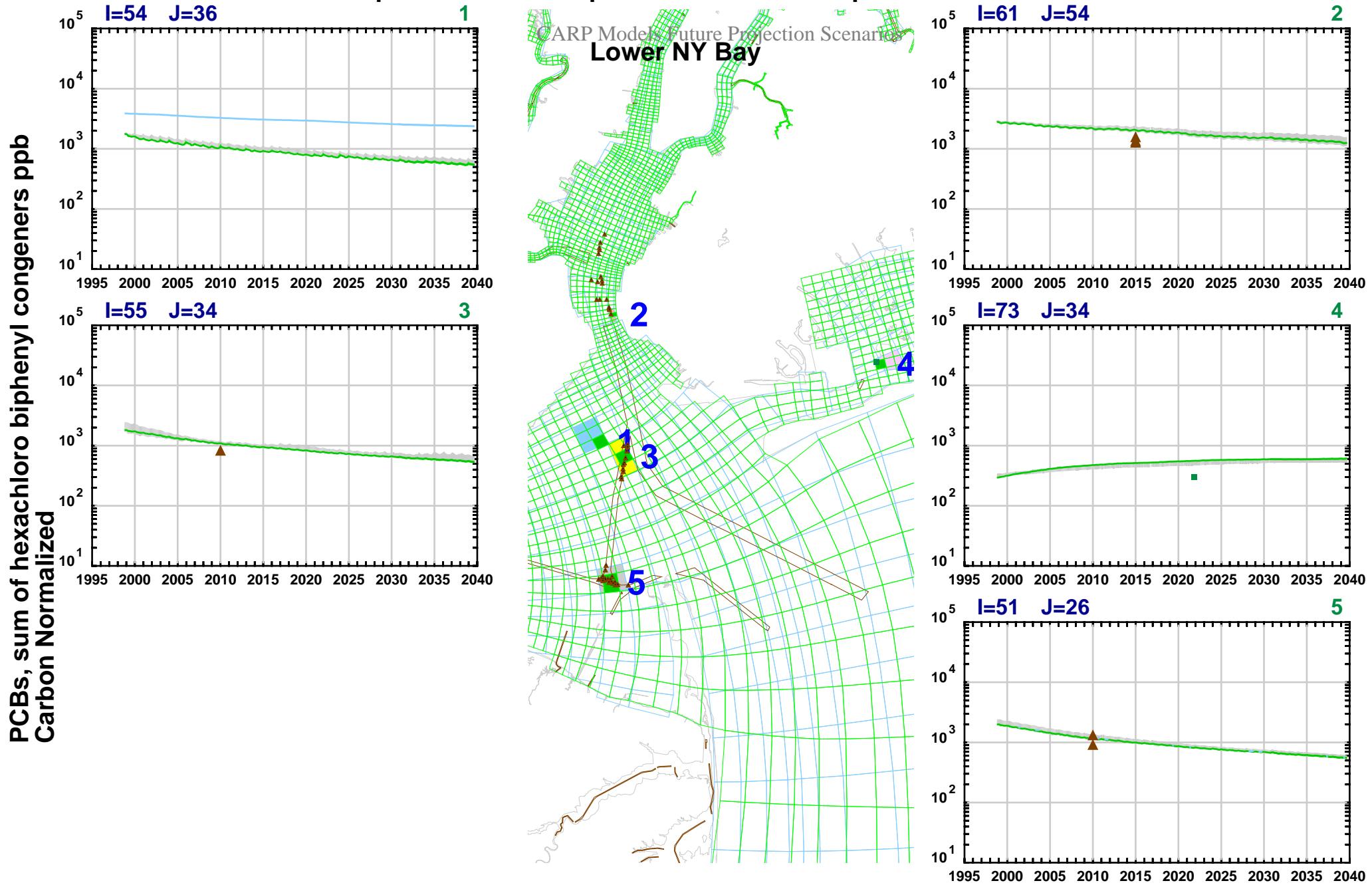
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

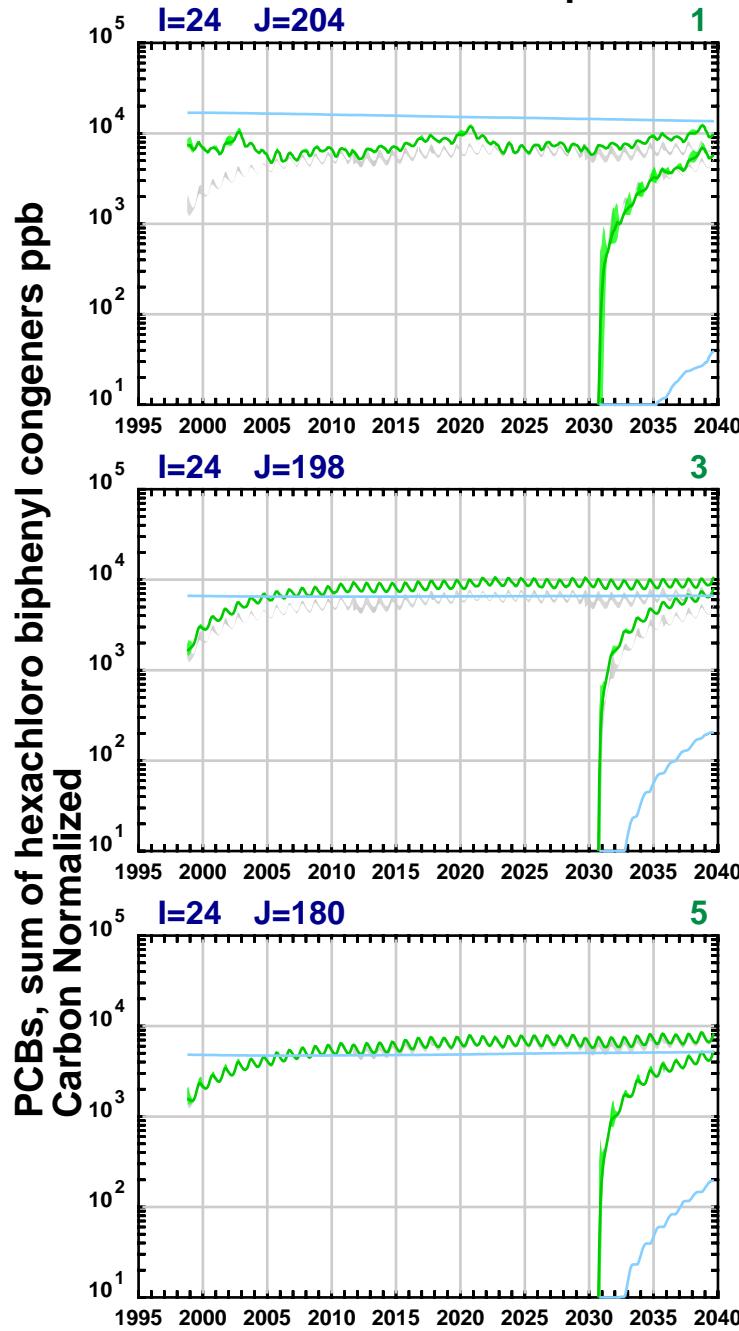
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

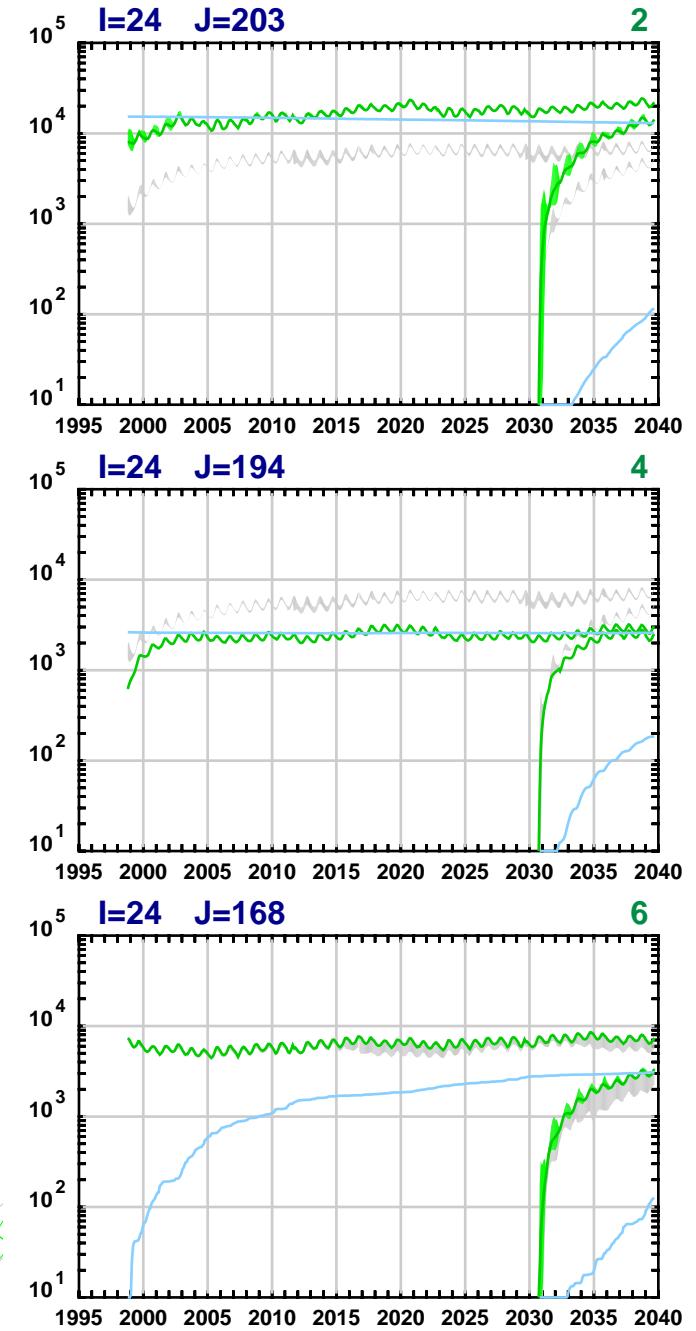
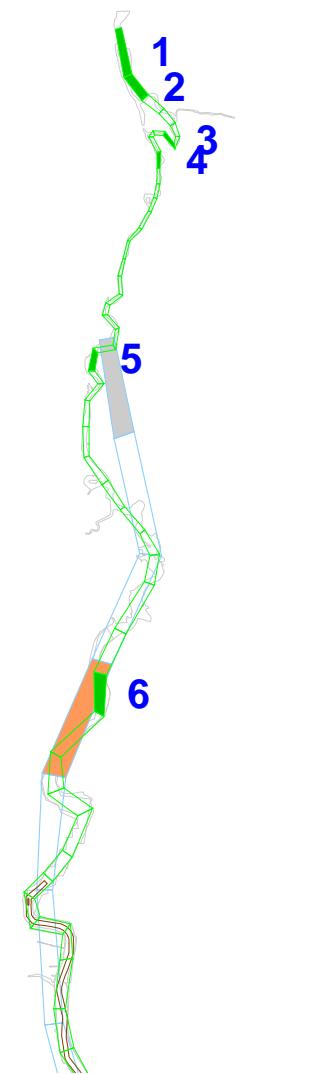
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● In-channel data	● Off-channel data	▲ Dredge data
■ CARP2 In-channel	■ CARP2 Off-channel	

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

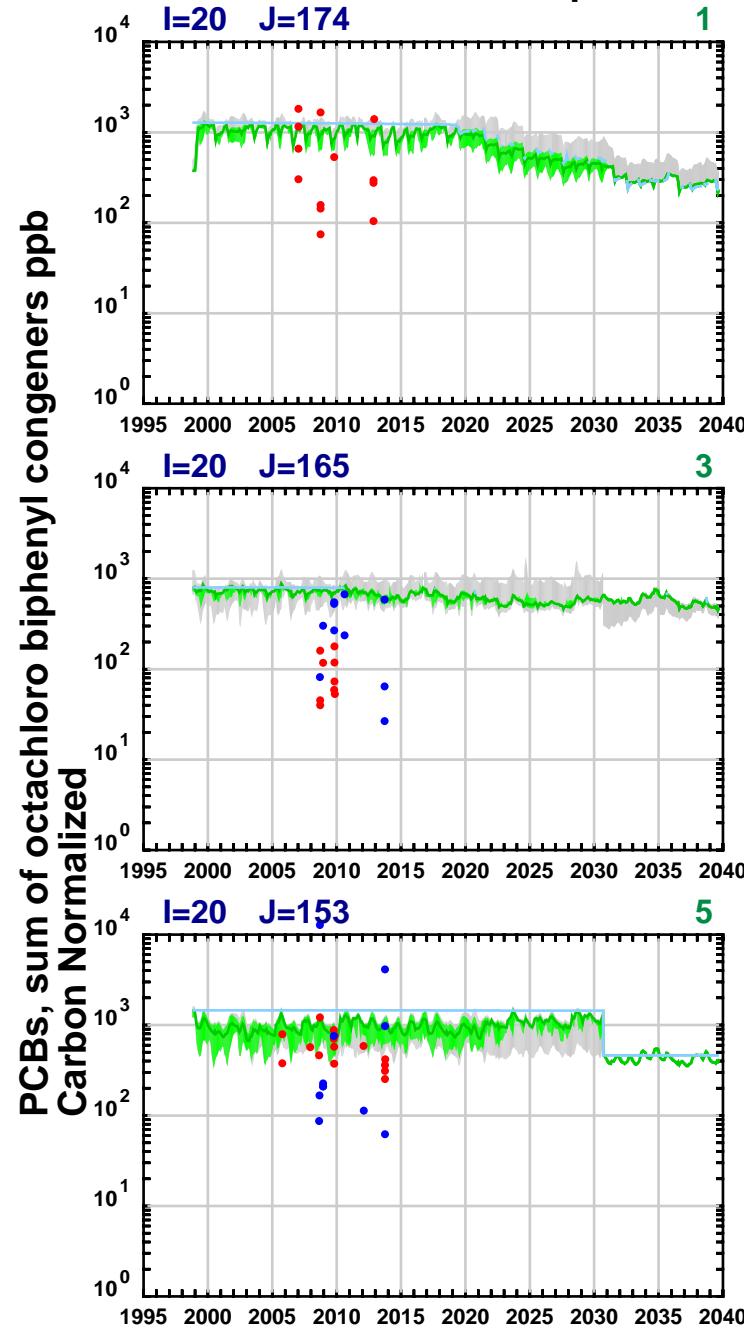
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

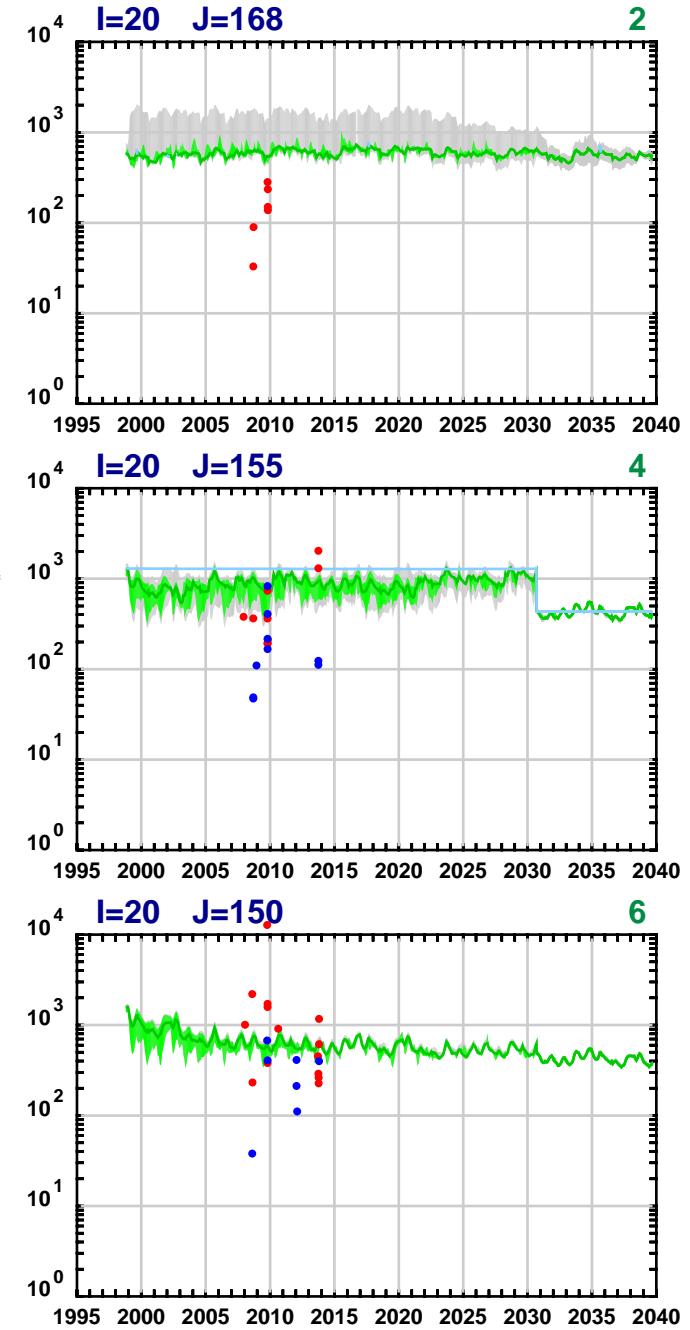
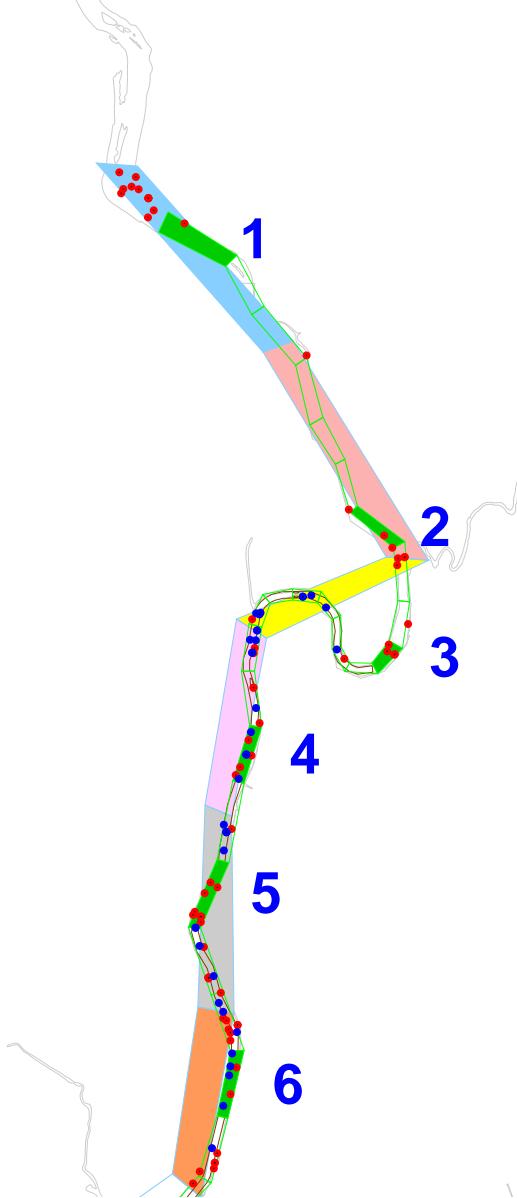
Appendix 1 Page 222 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Passaic River - I



RUN18_PROJ01_PROJ02_R1

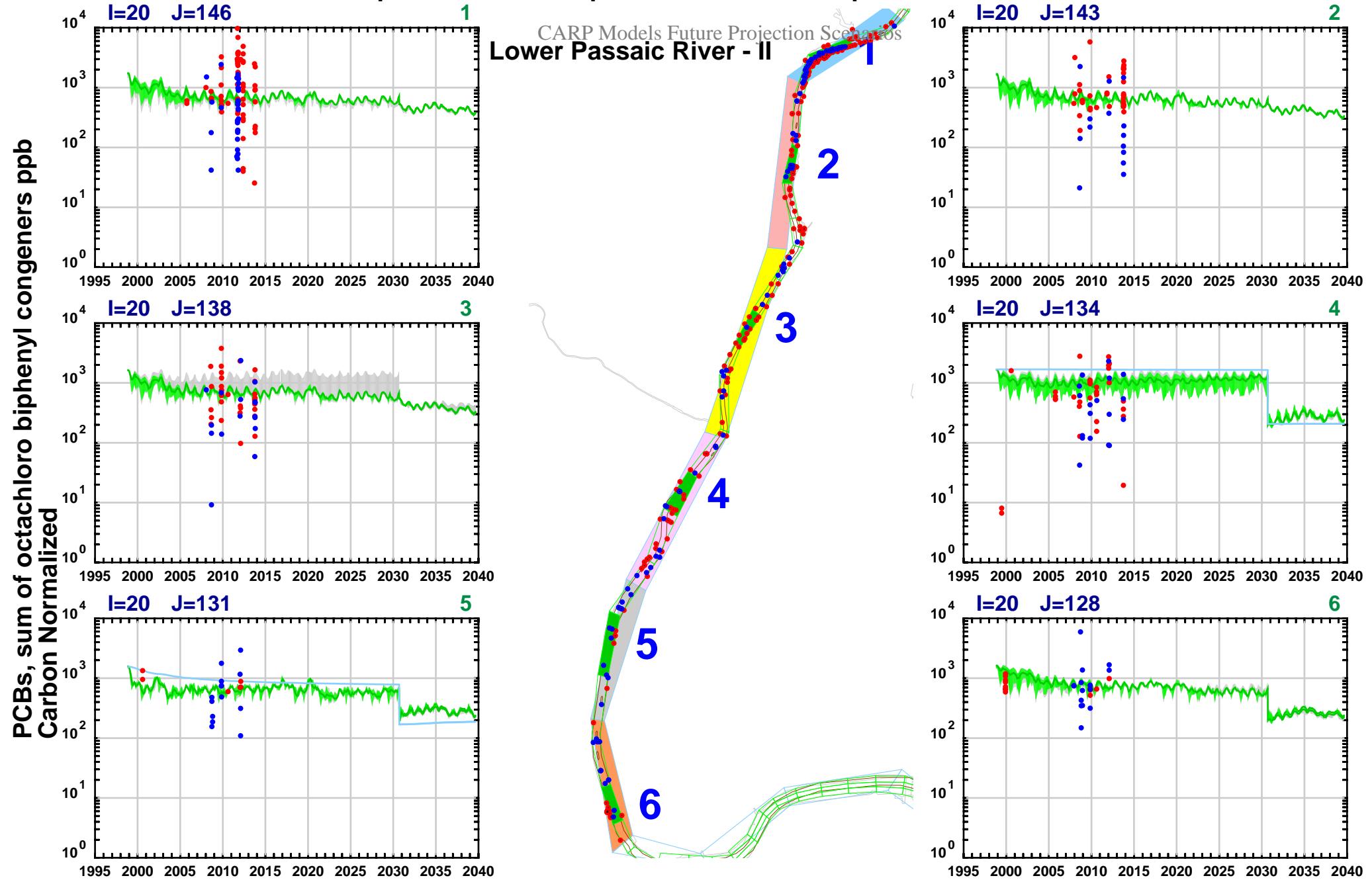
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

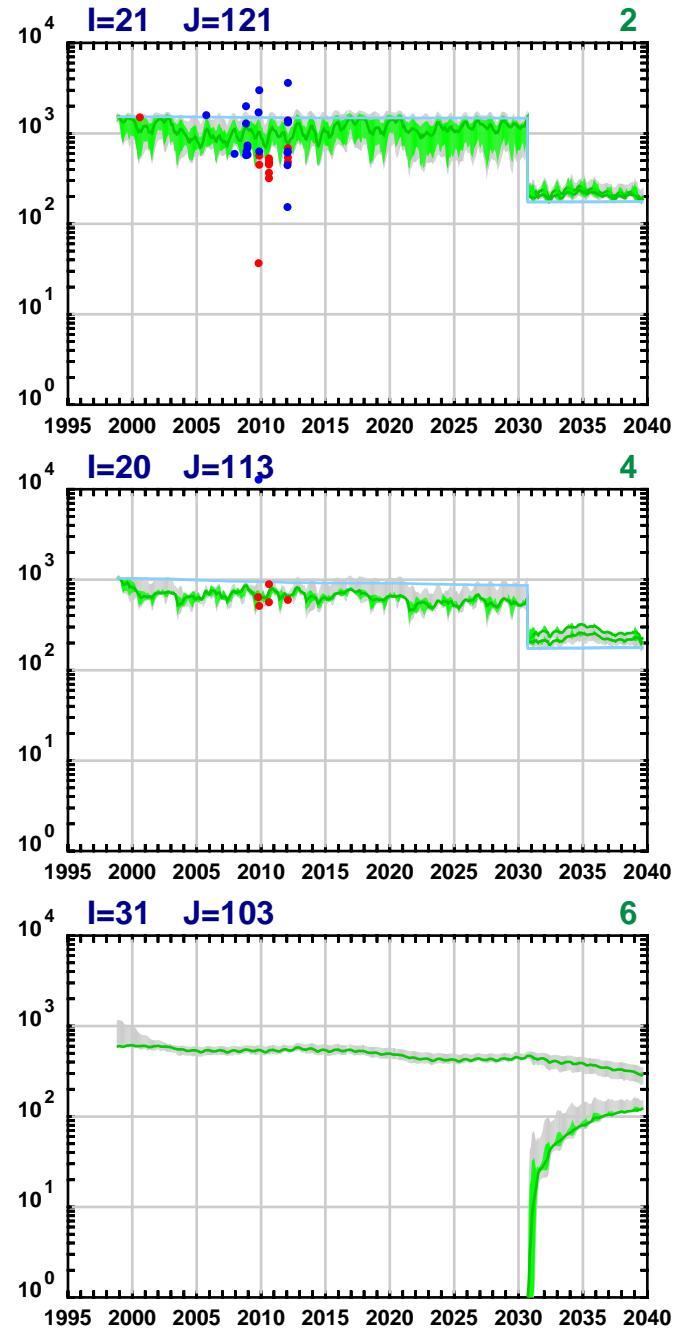
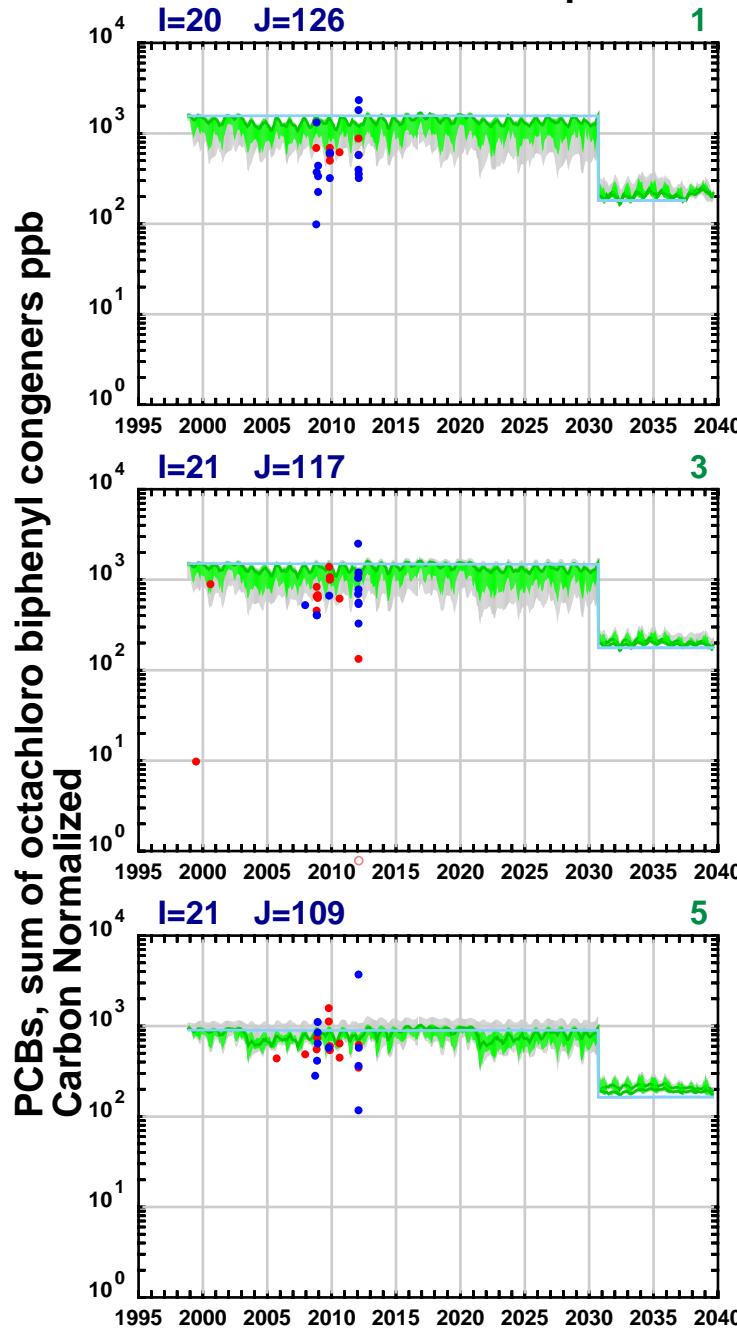
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

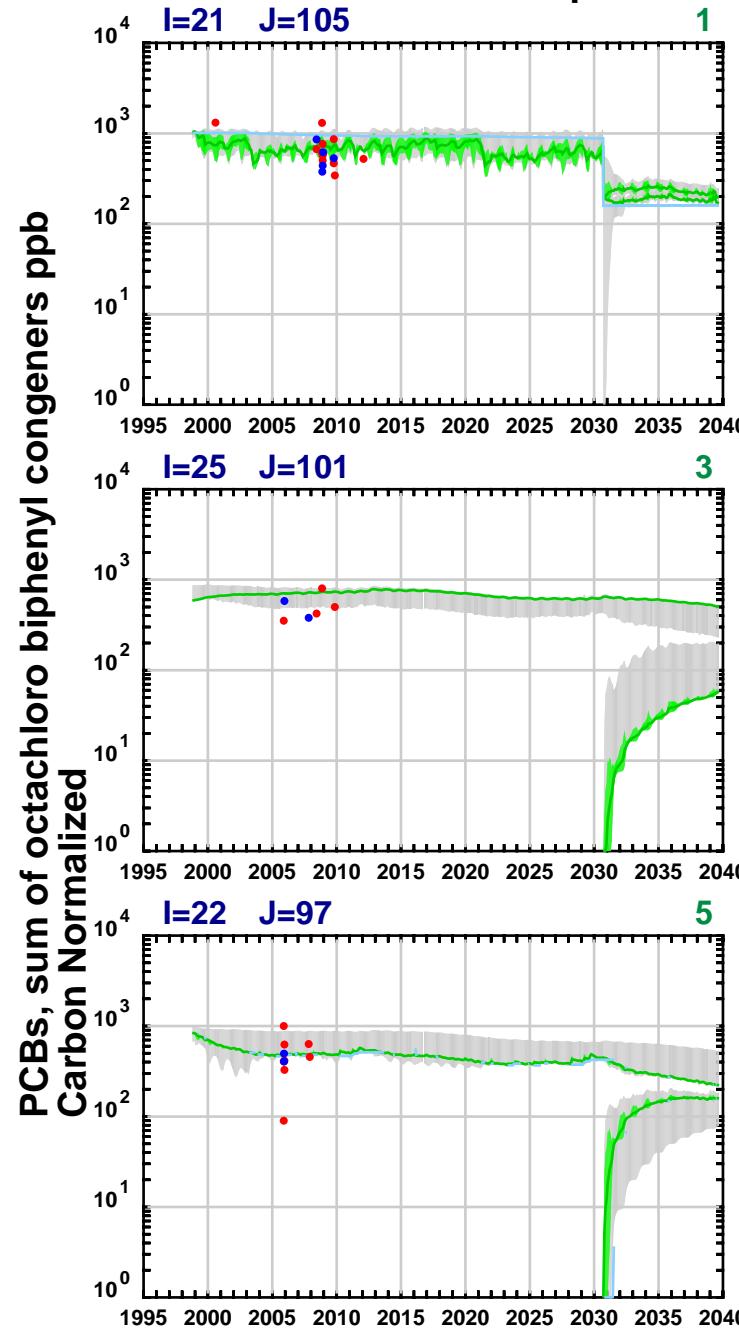
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

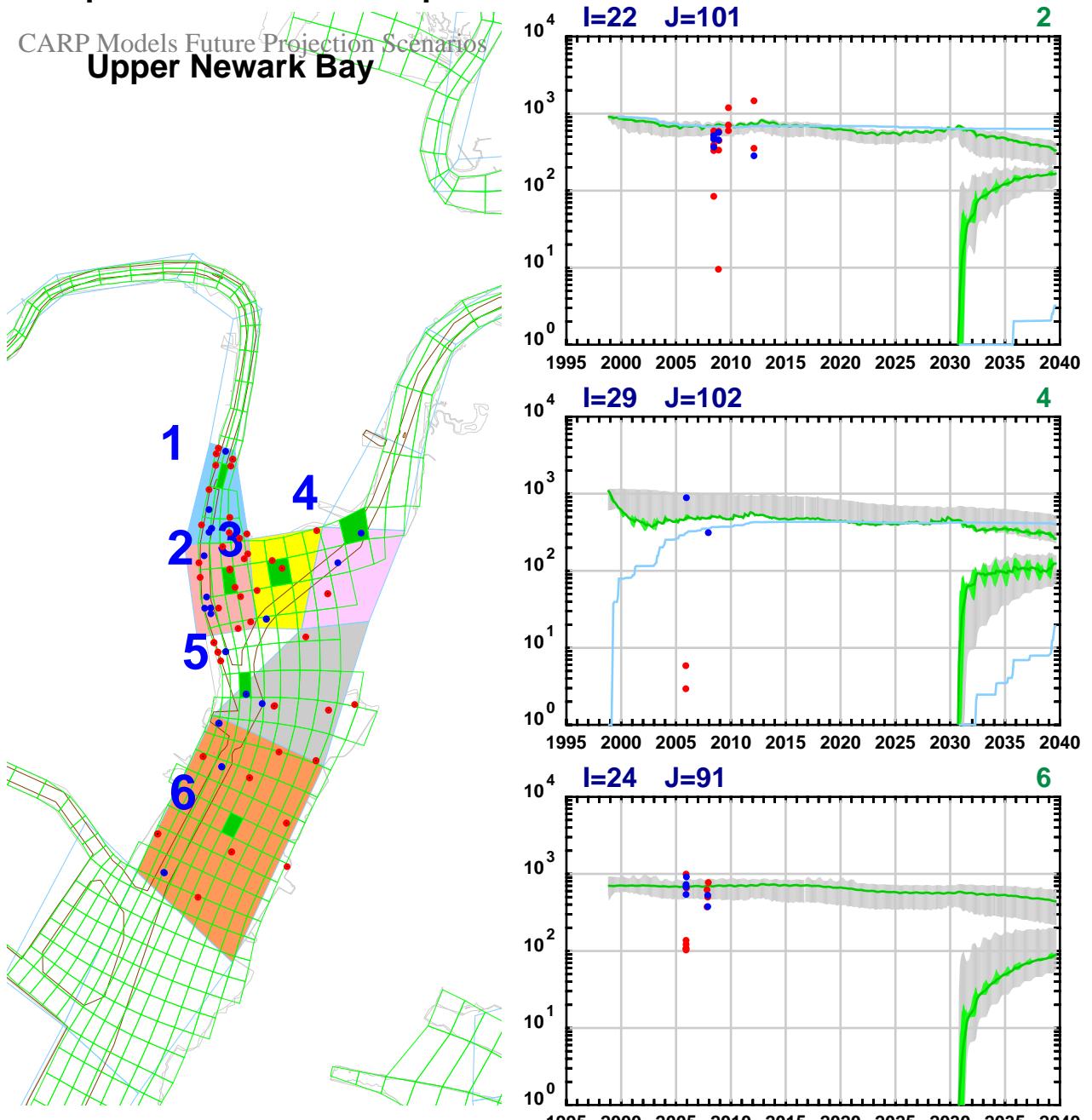
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● In-channel data	● Off-channel data	▲ Dredge data
■ CARP2 In-channel	■ CARP2 Off-channel	

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Upper Newark Bay



RUN18_PROJ01_PROJ02_R1

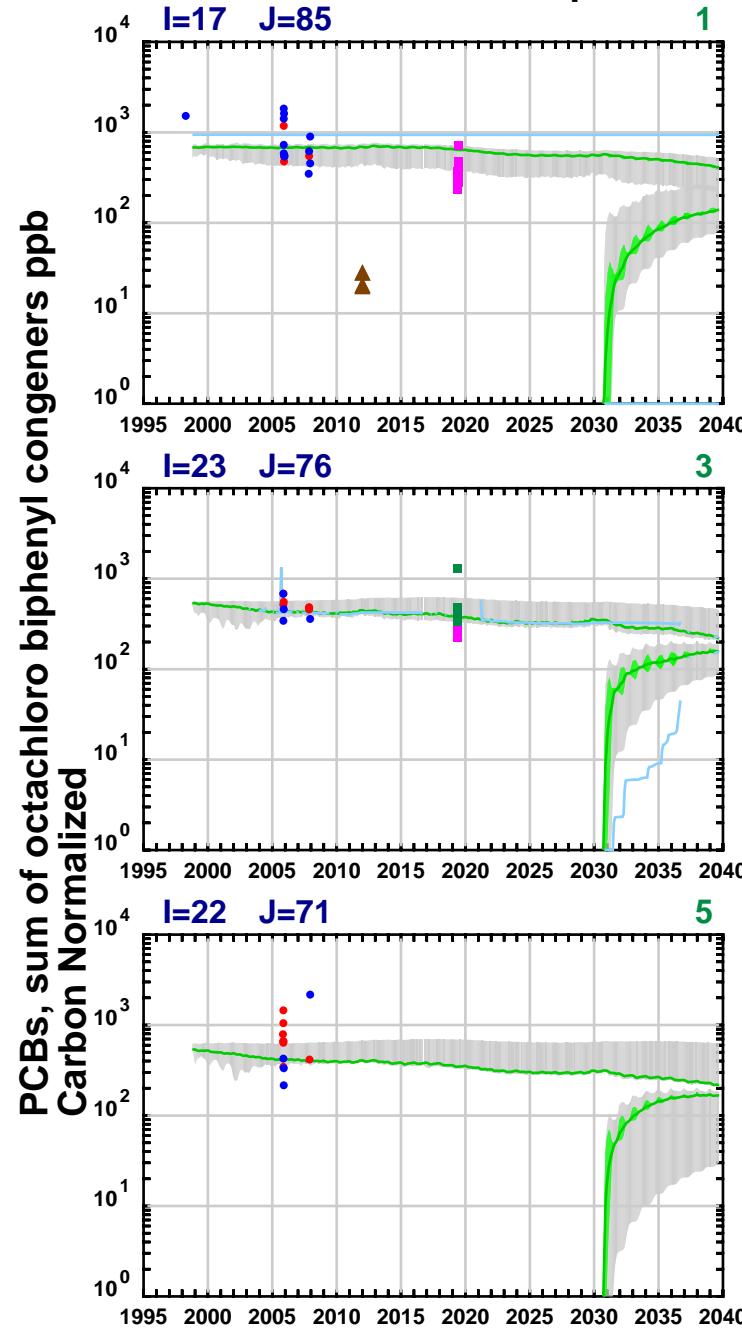
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

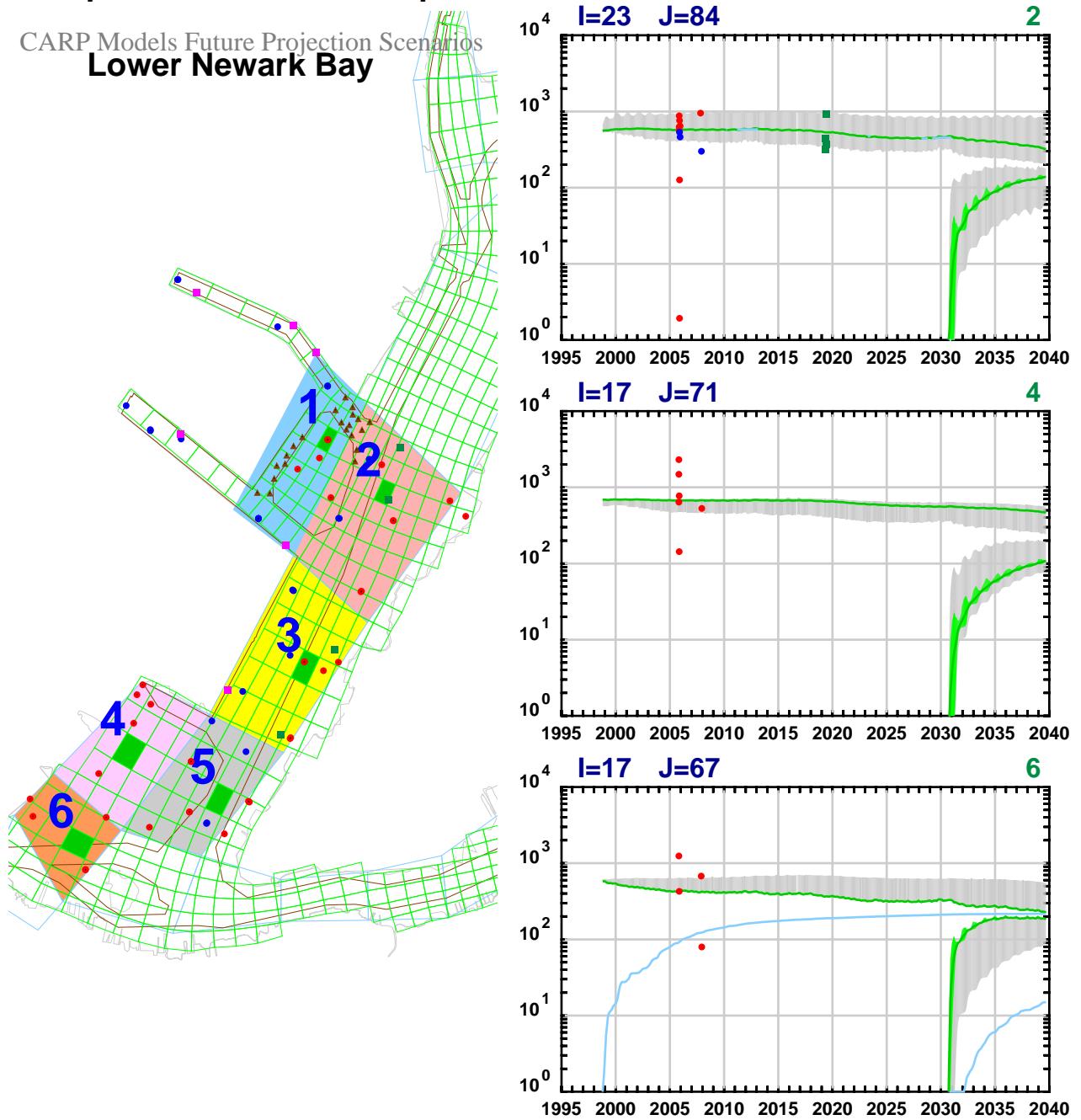
Appendix 1 Page 226 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Lower Newark Bay



RUN18_PROJ01_PROJ02_R1

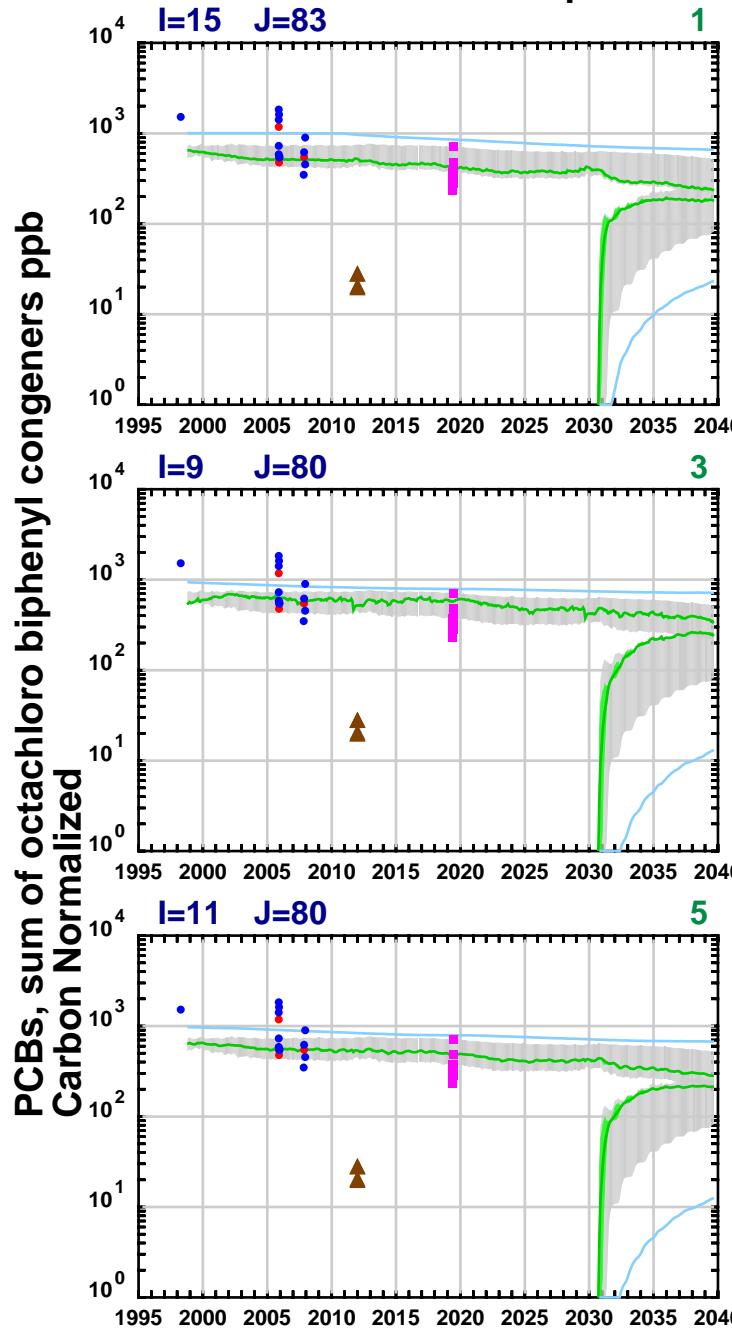
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

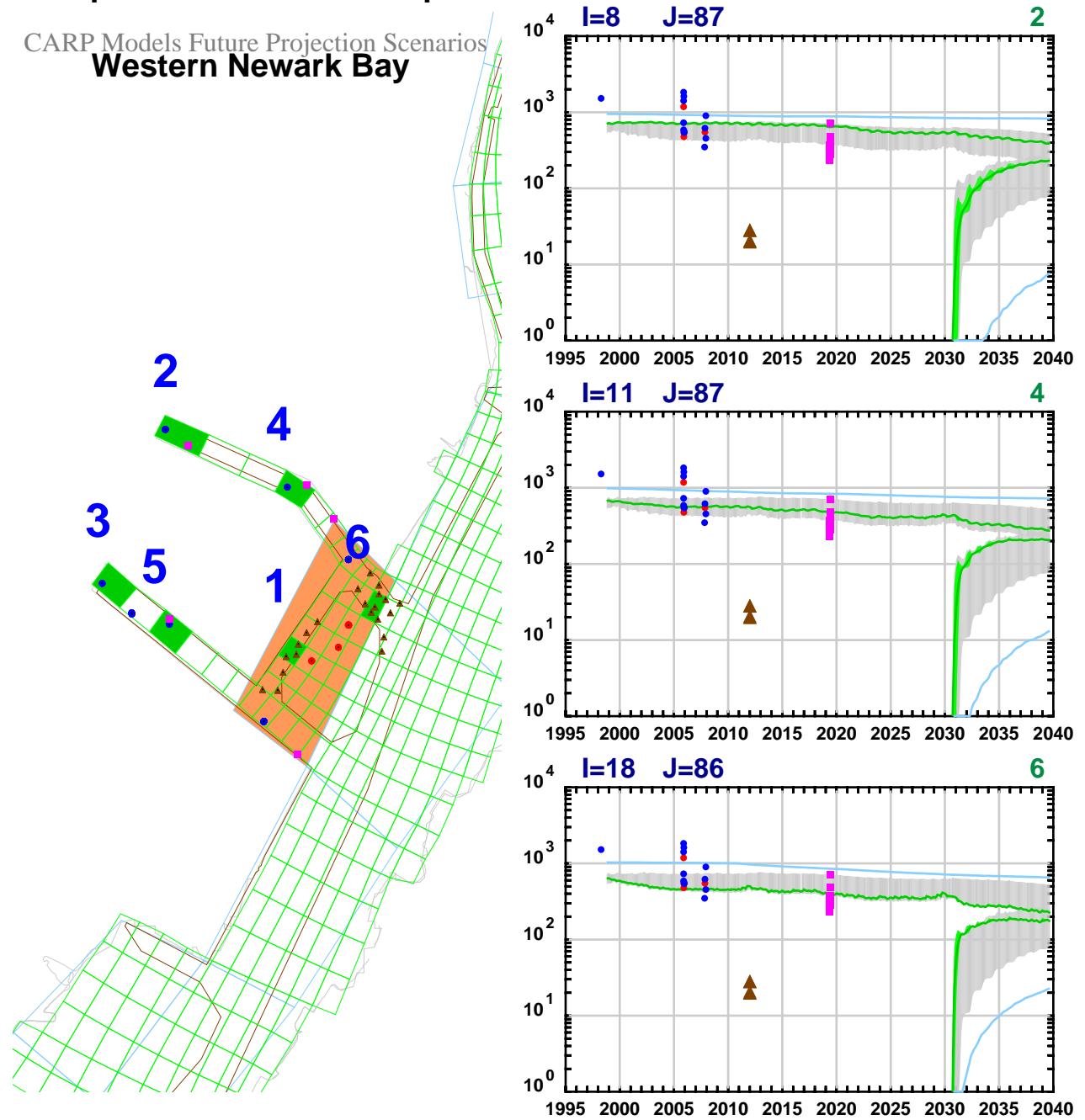
Appendix 1 Page 227 of 239

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

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

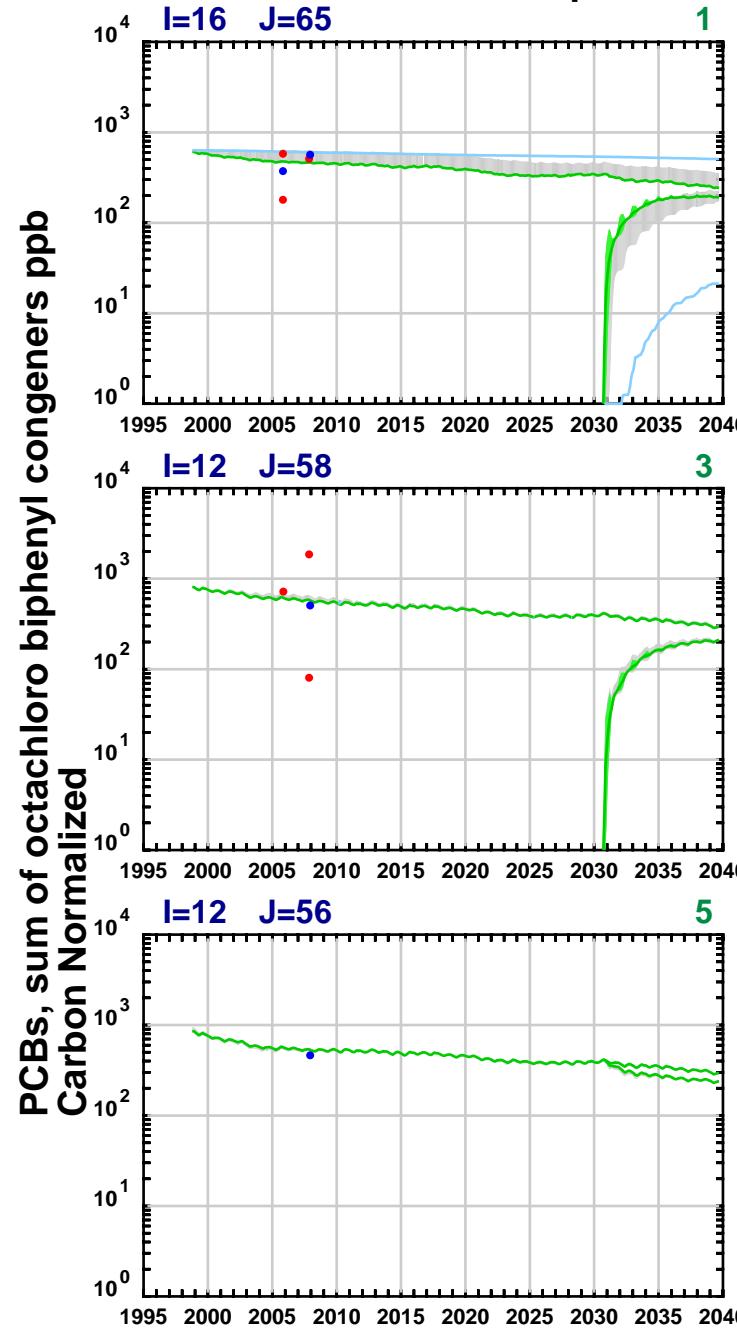
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

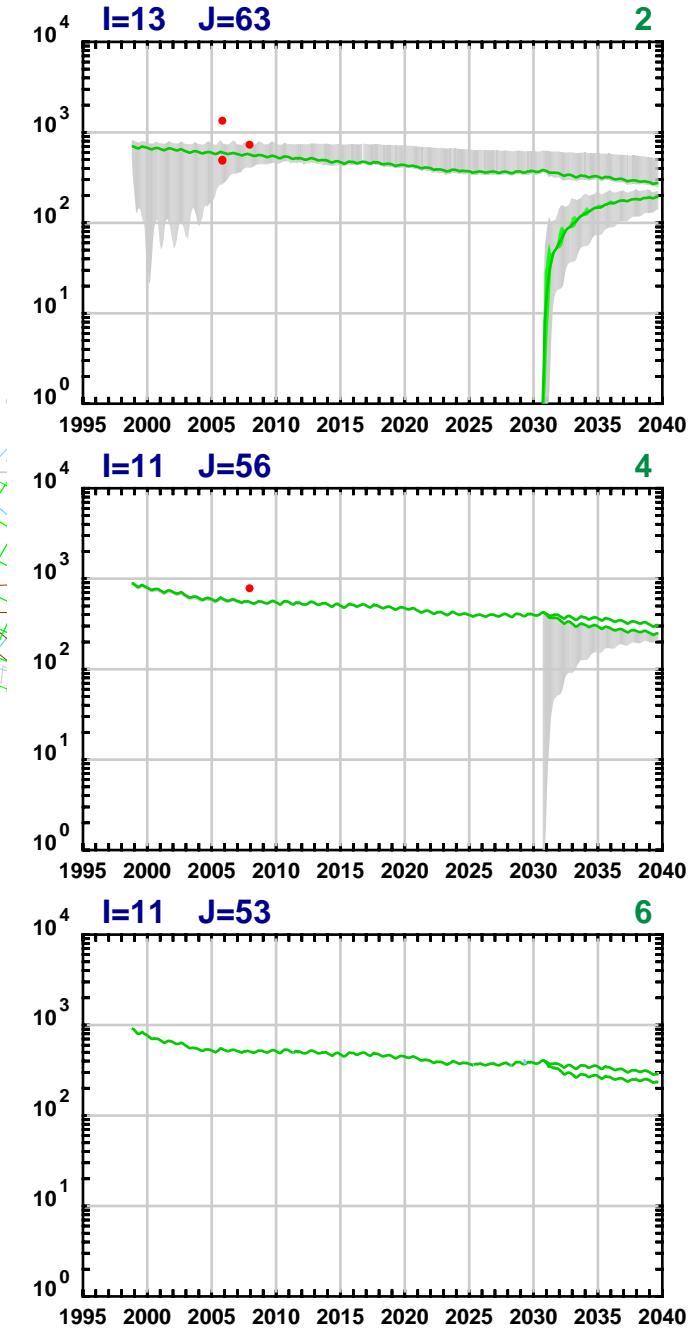
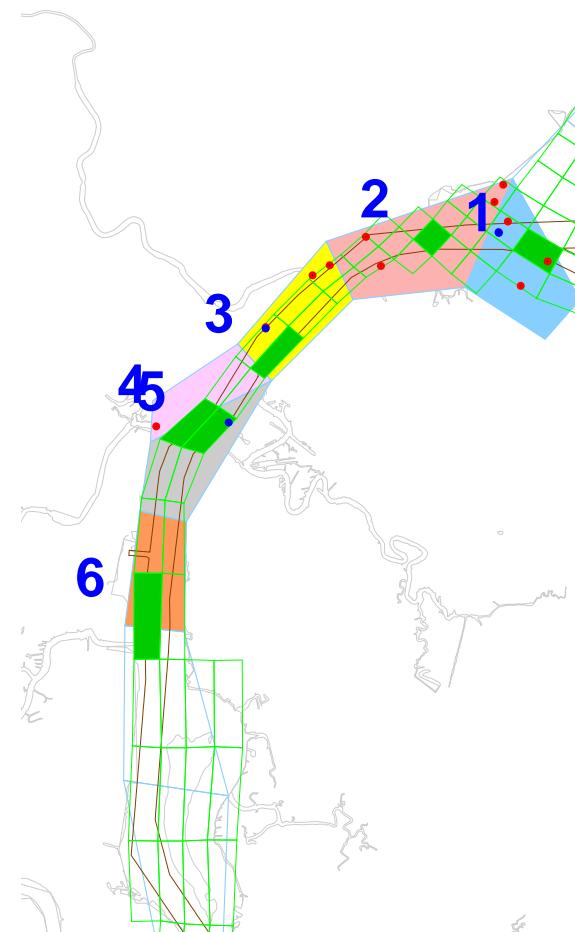
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- In-channel data ● Off-channel data ▲ Dredge data
- CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Arthur Kill 1



RUN18_PROJ01_PROJ02_R1

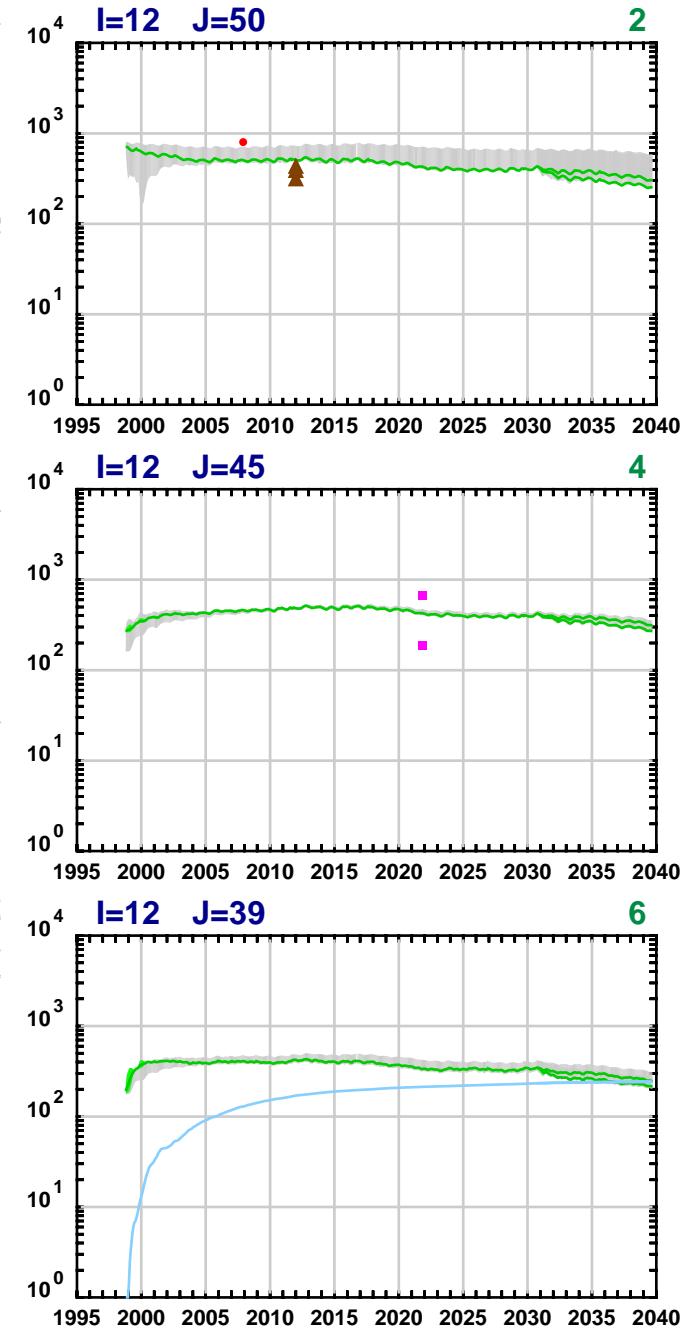
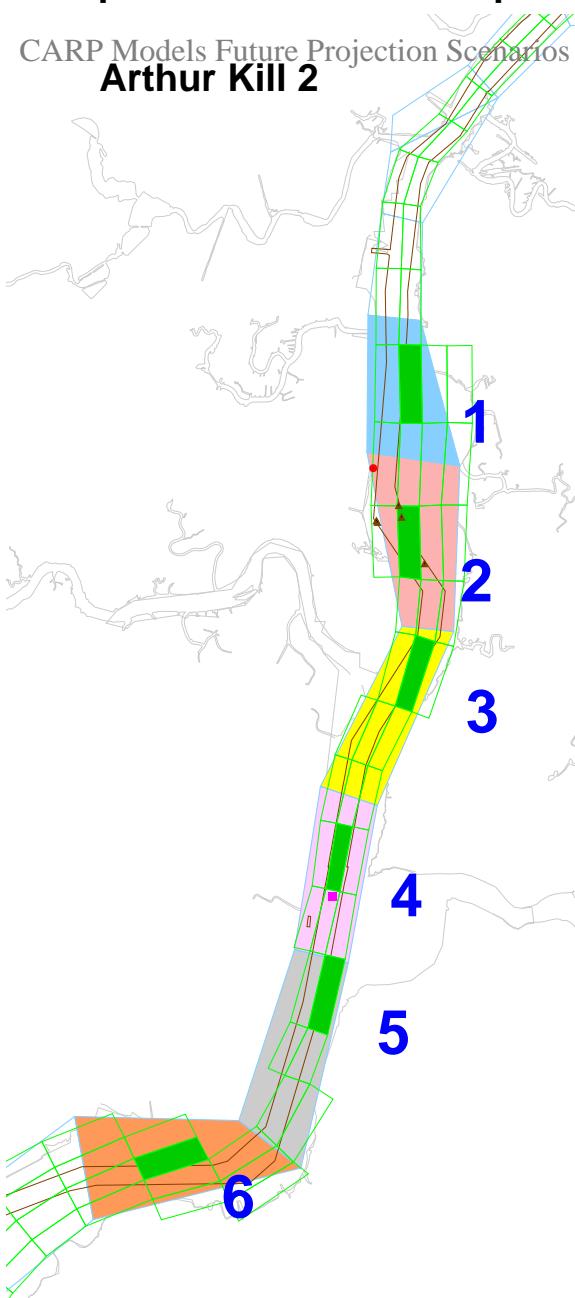
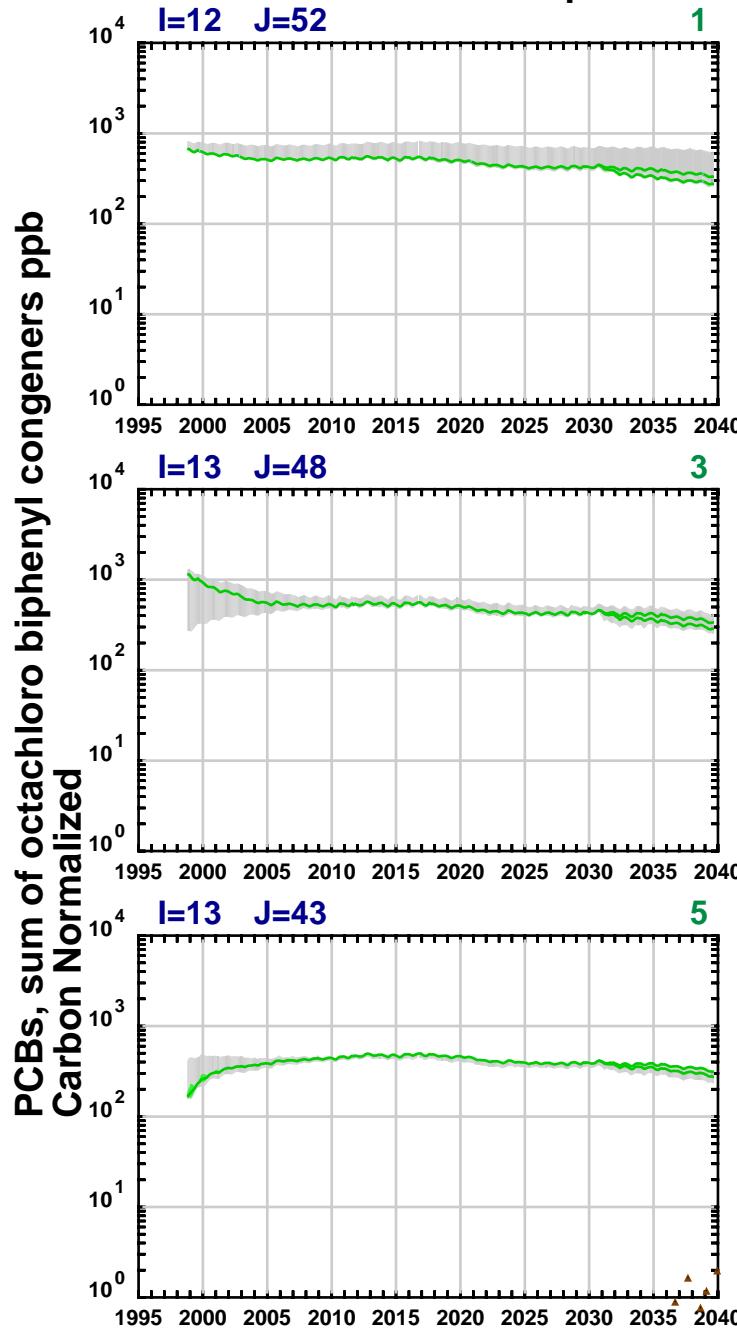
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

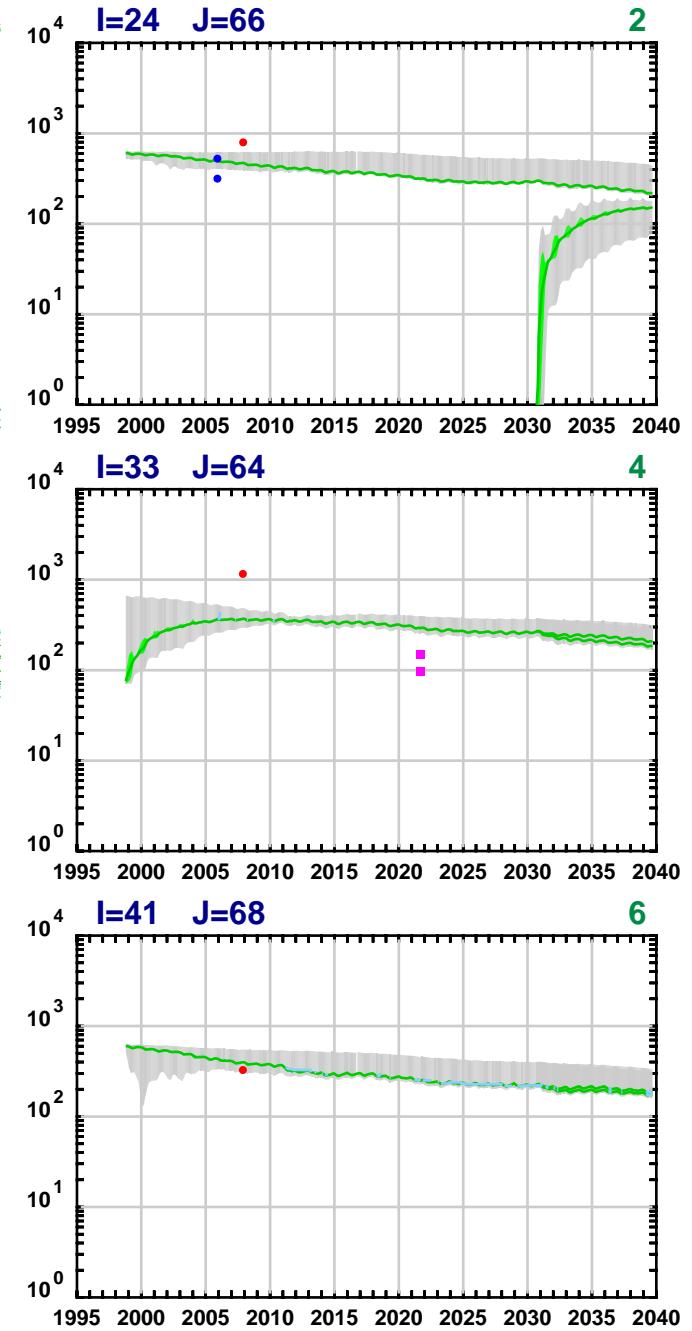
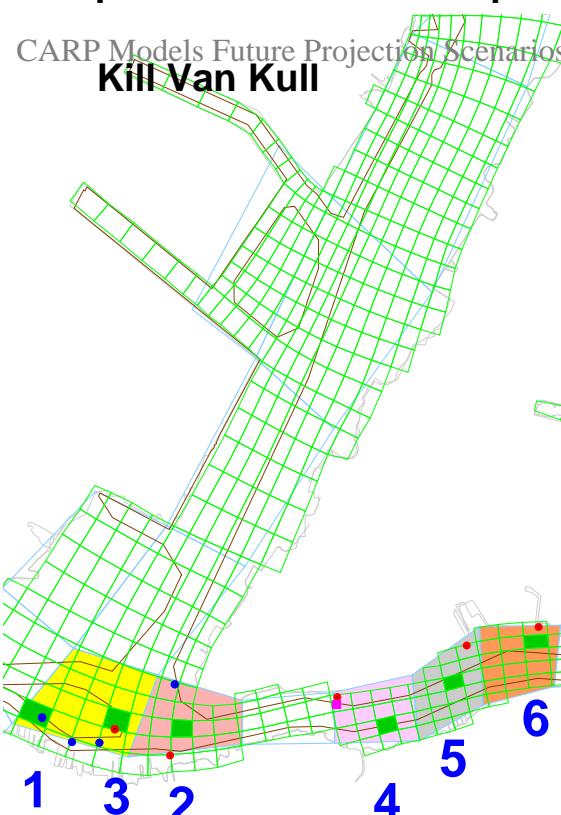
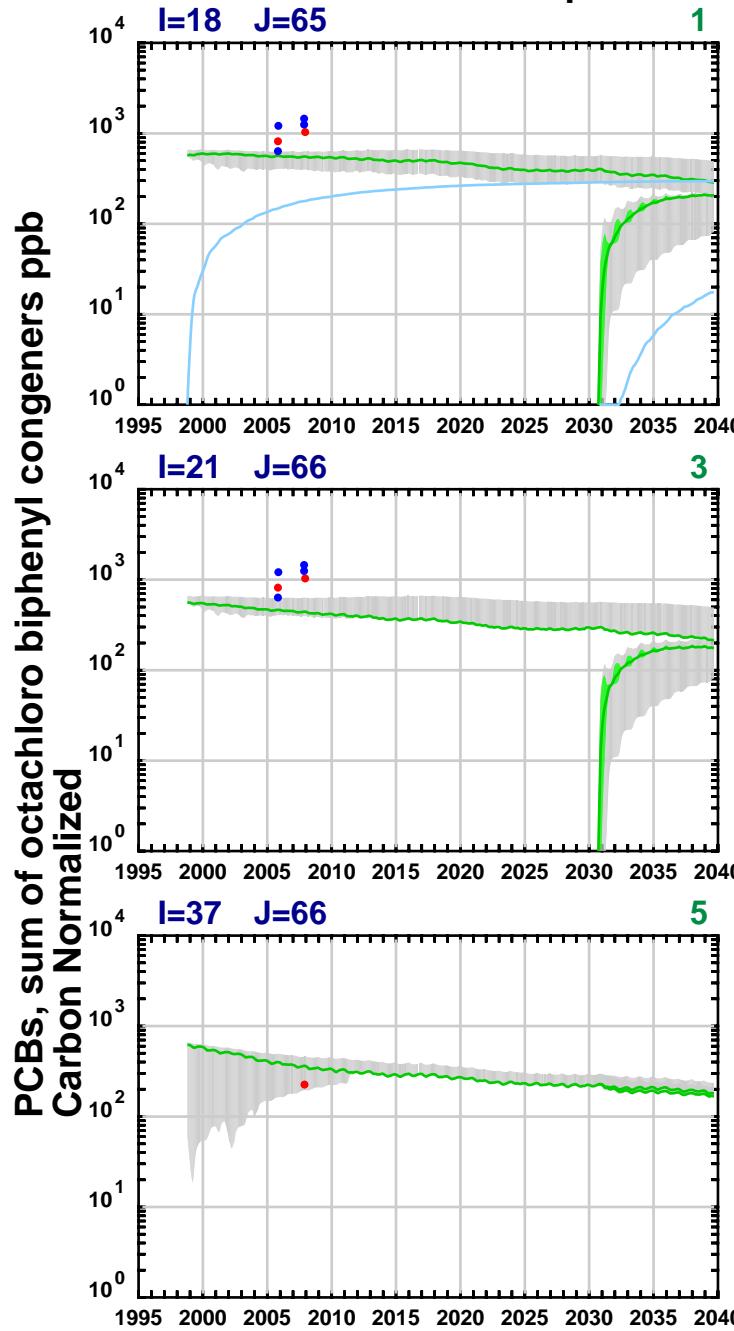
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

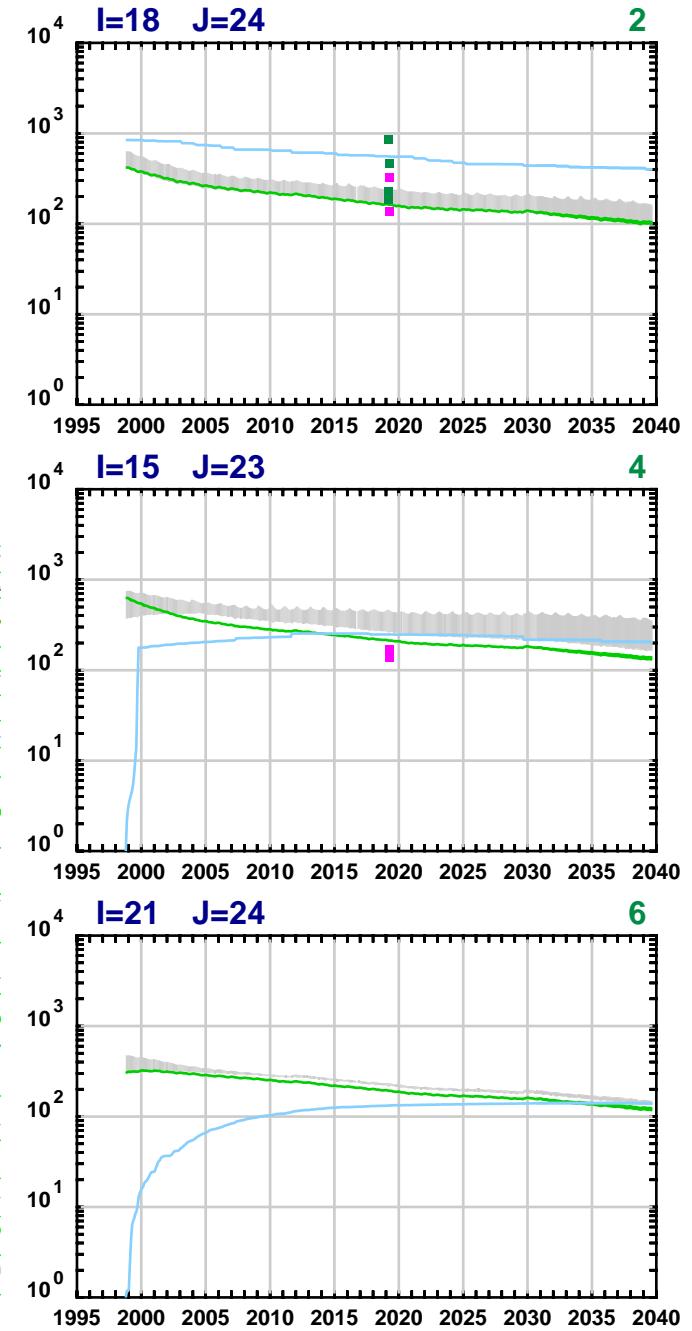
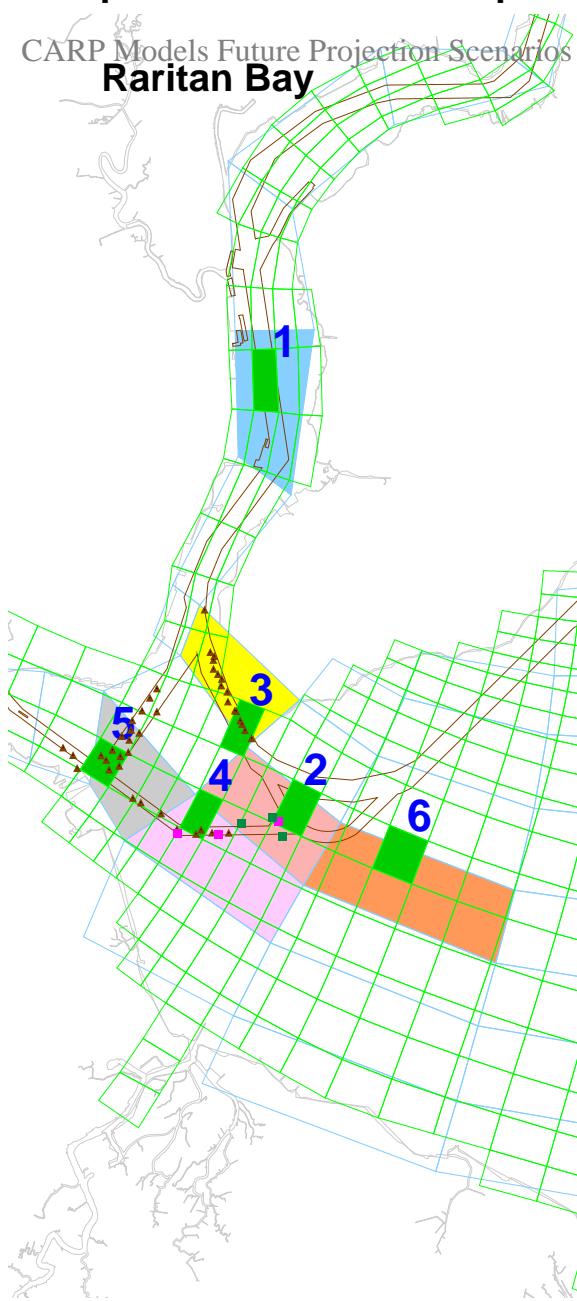
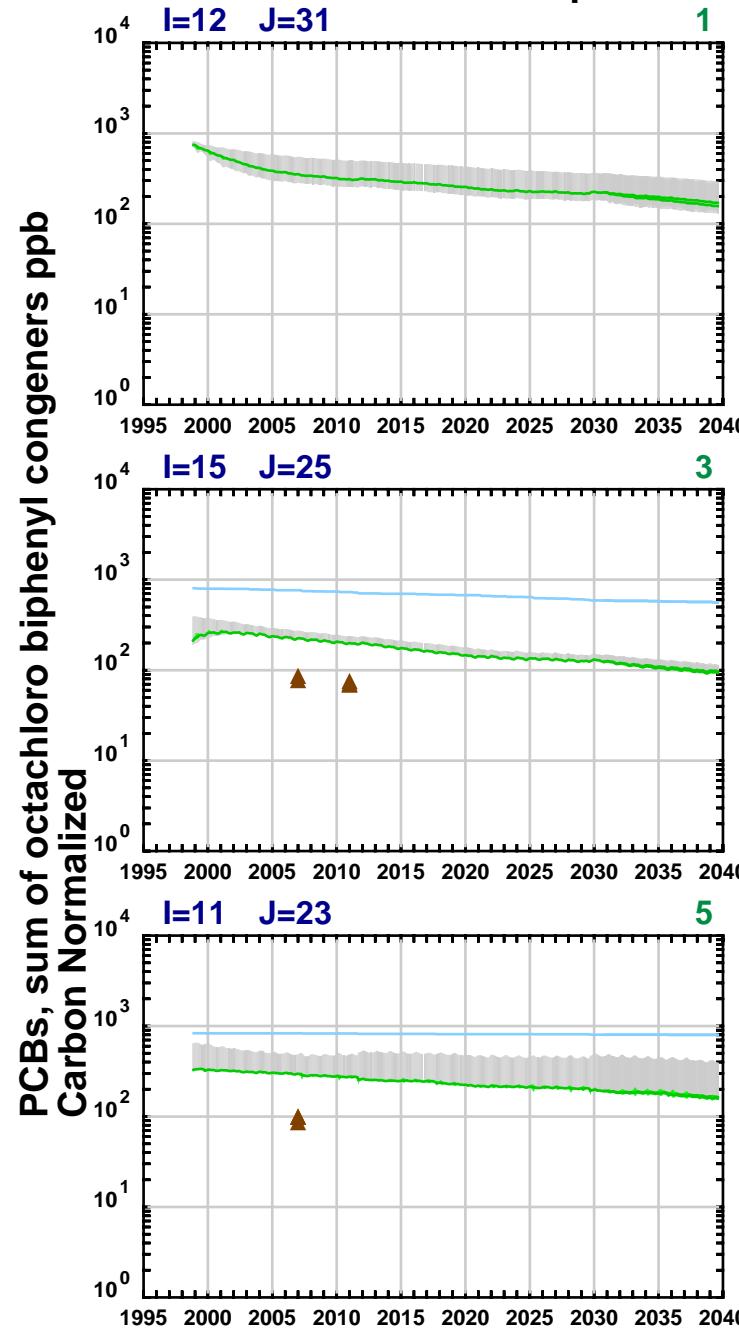
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

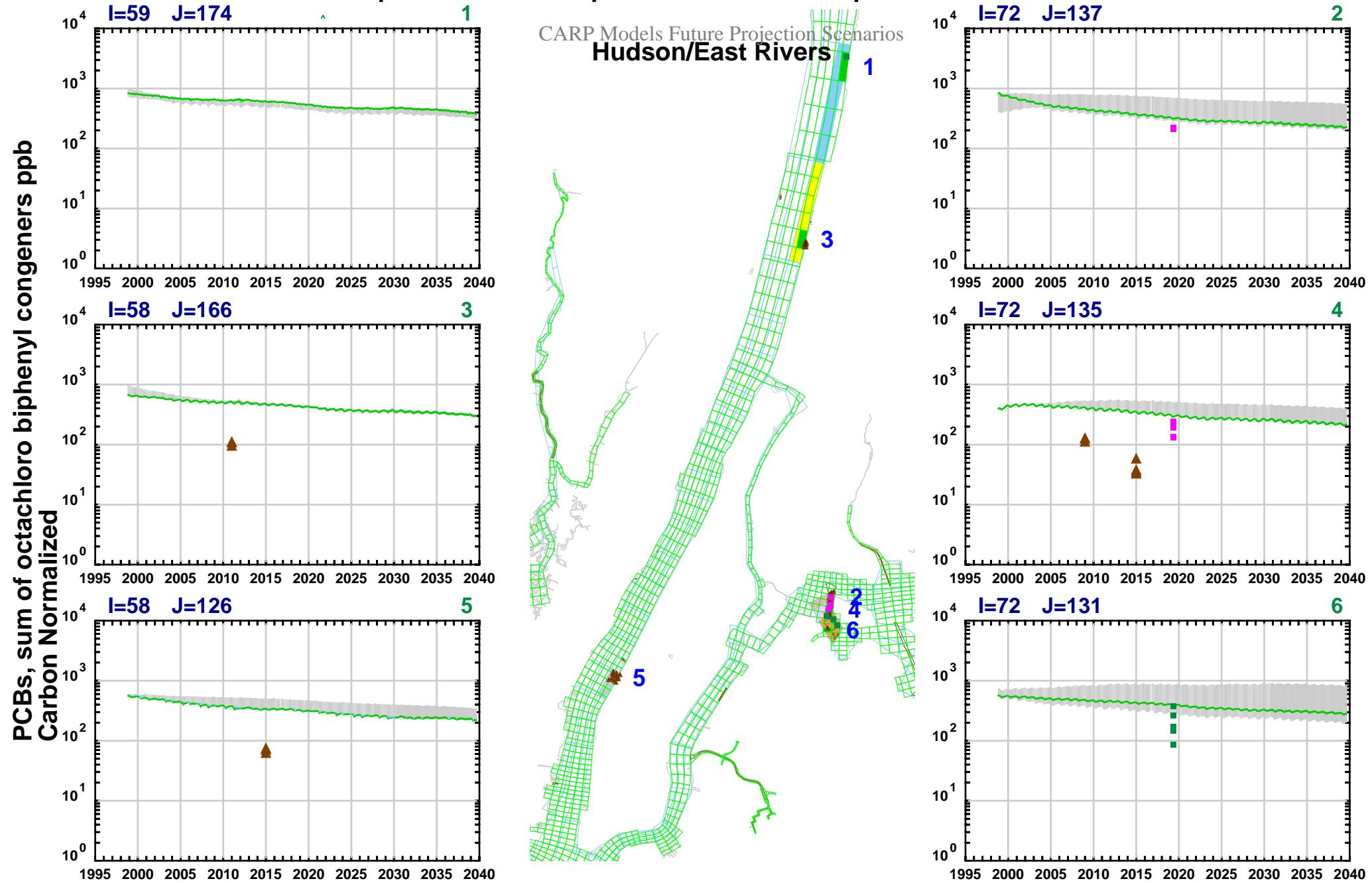
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

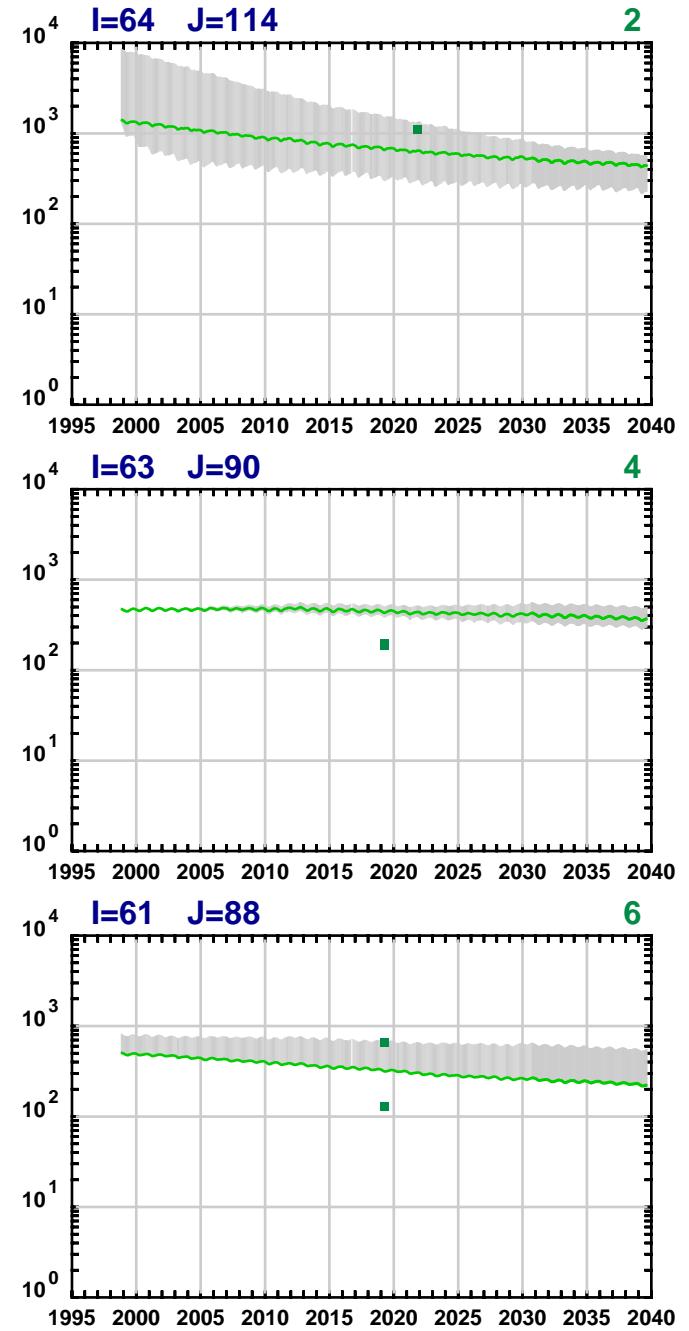
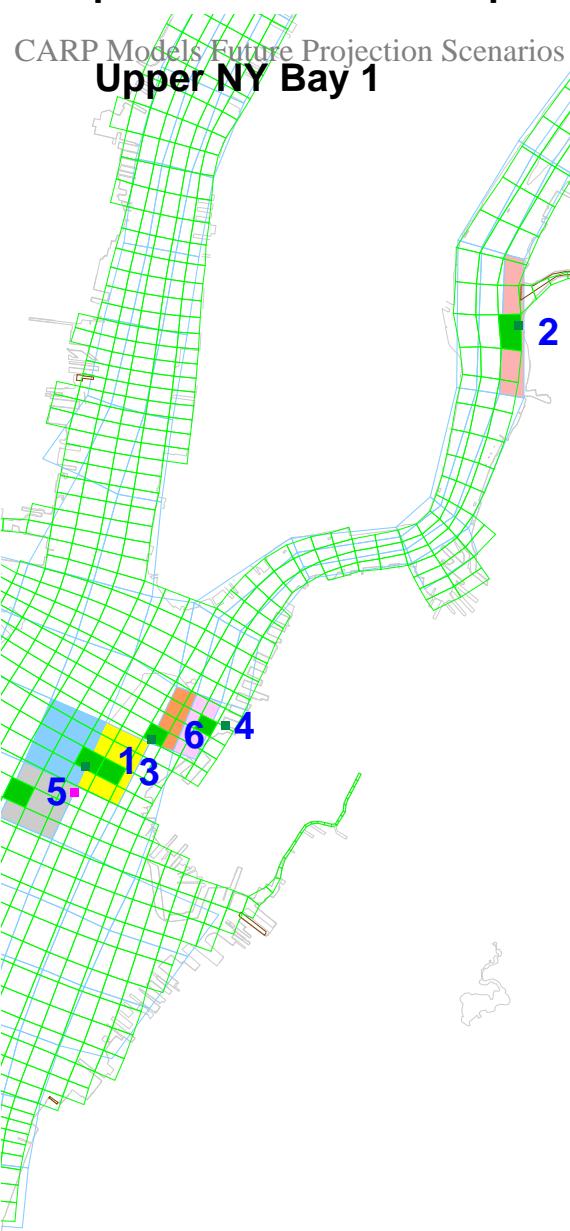
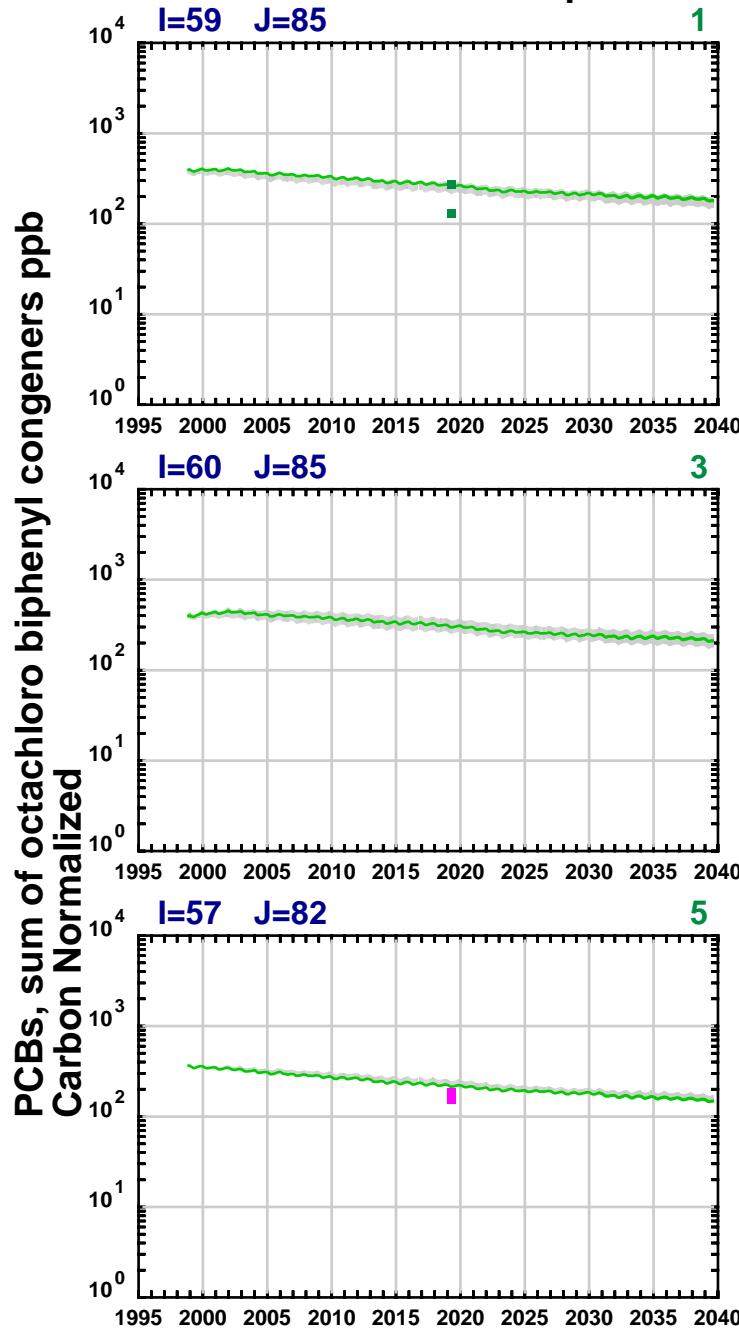
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

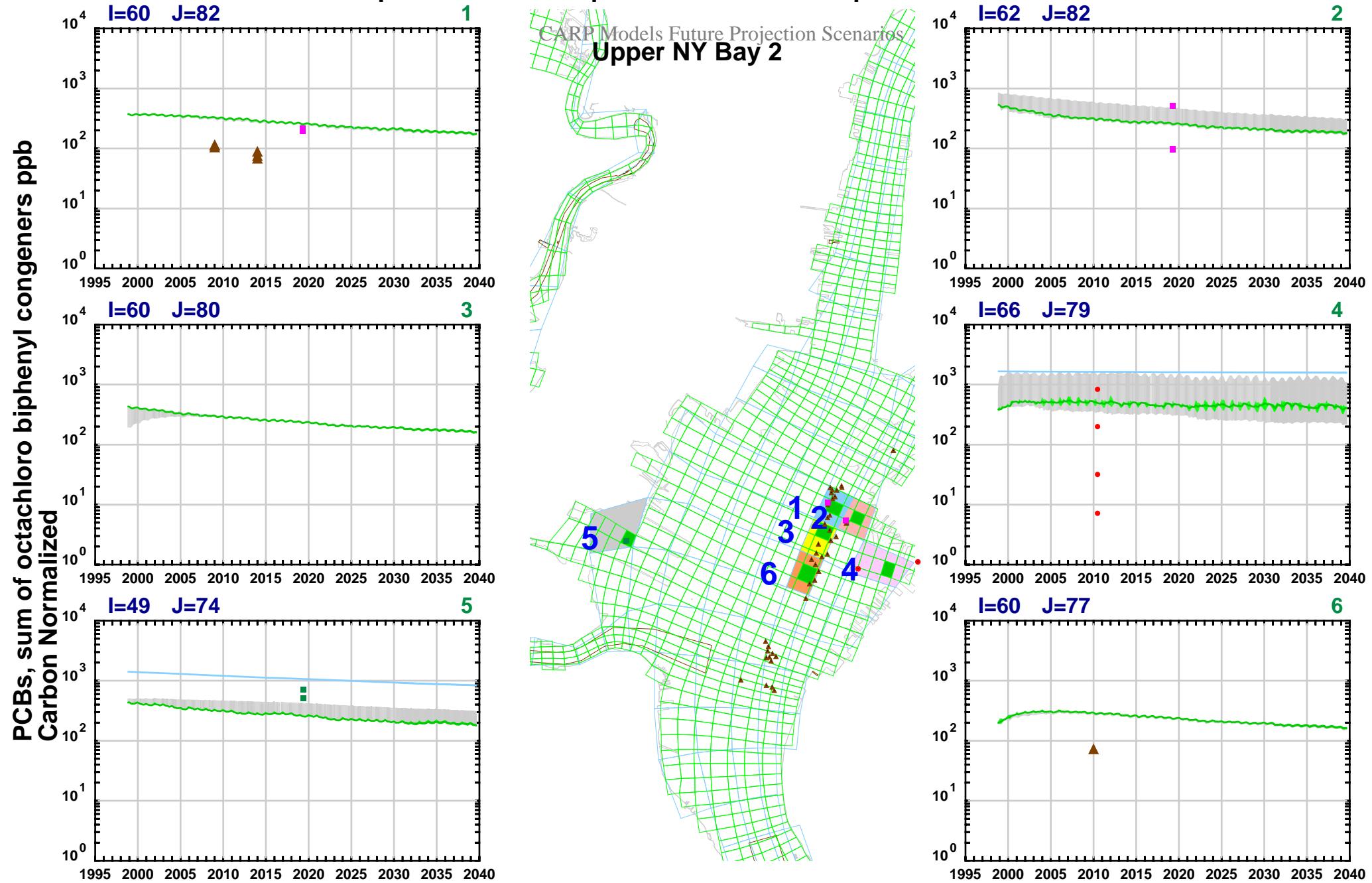
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

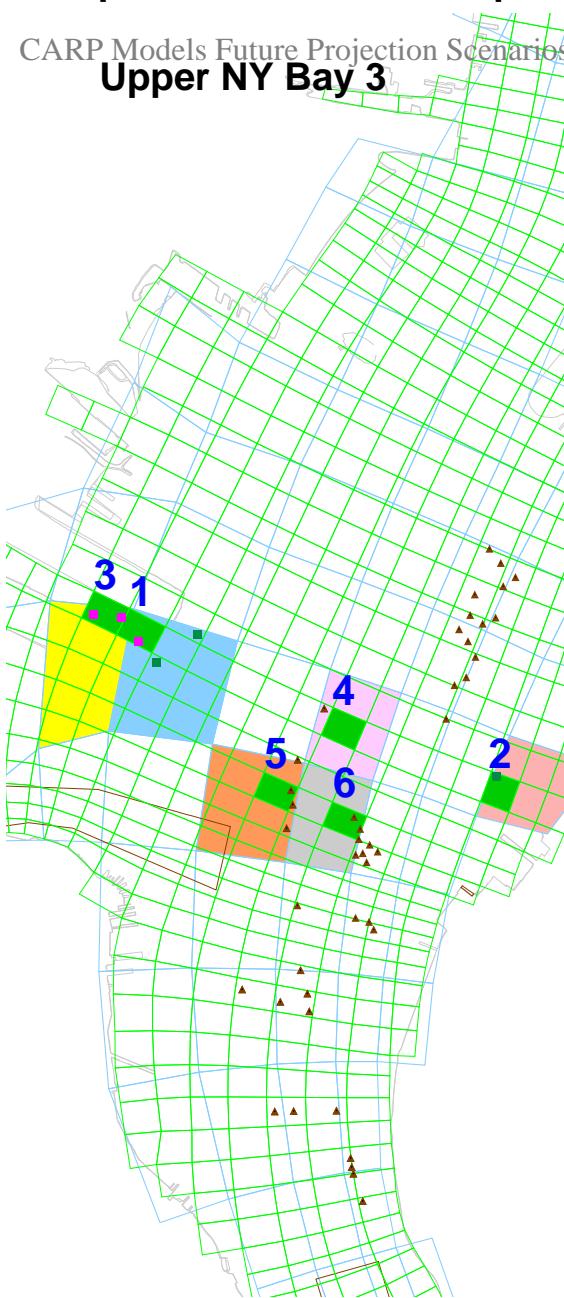
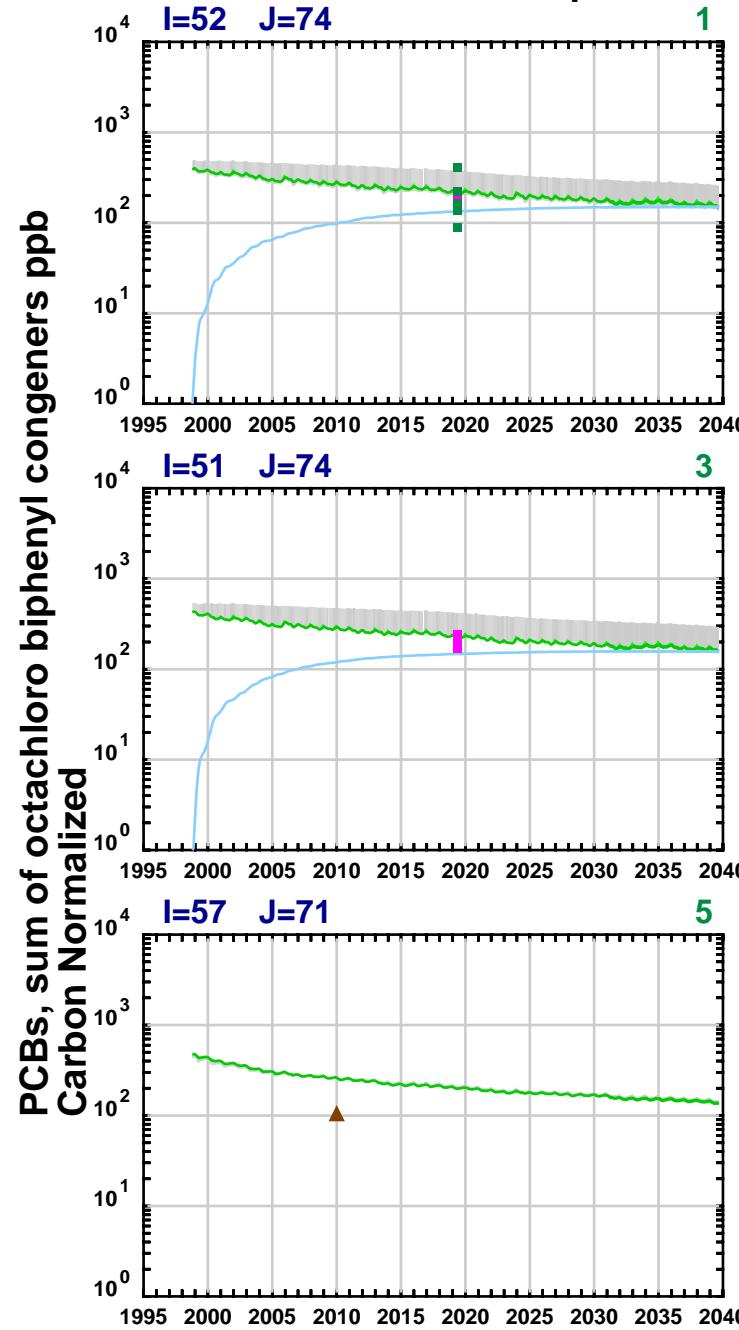
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

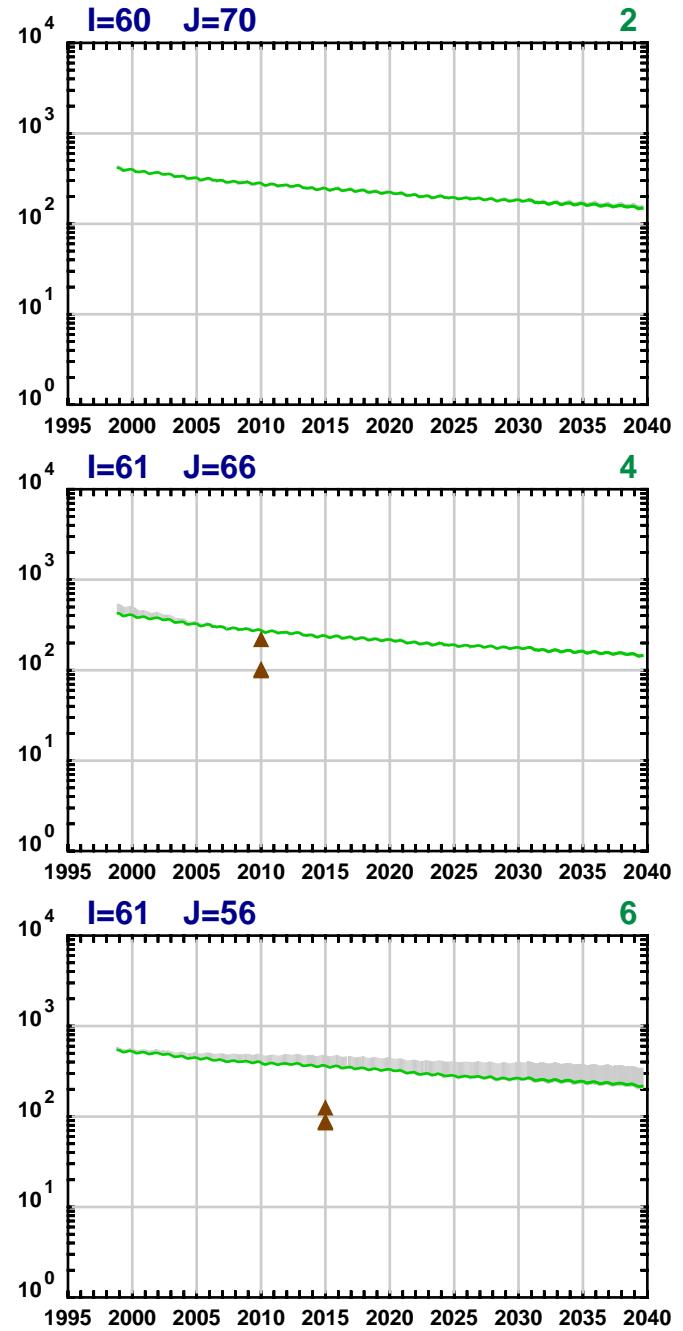
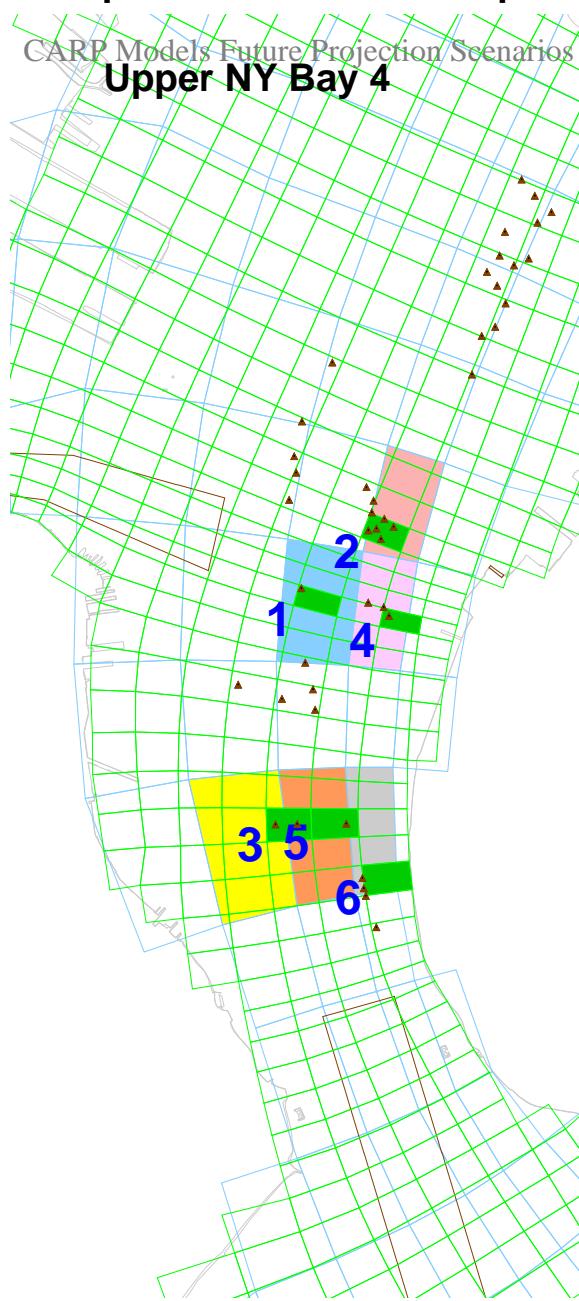
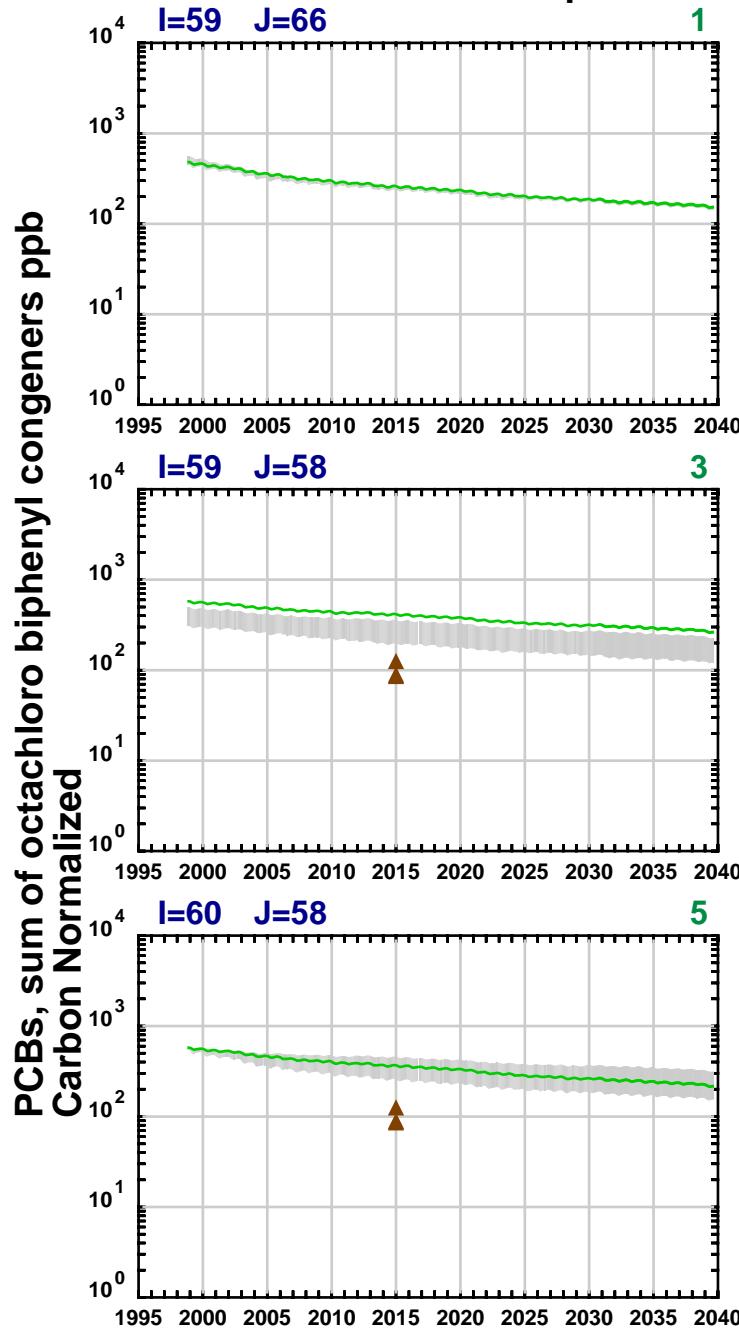
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

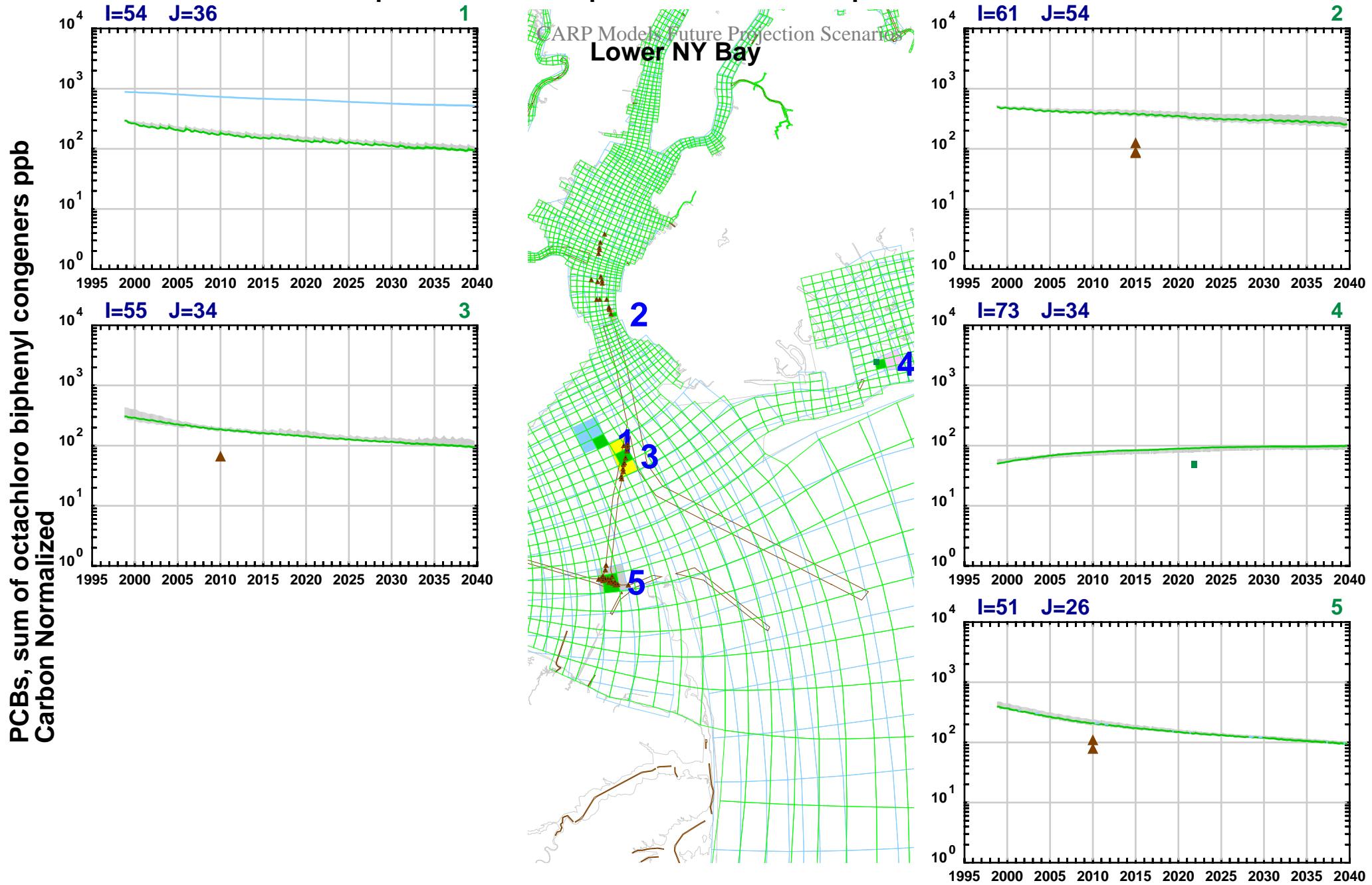
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

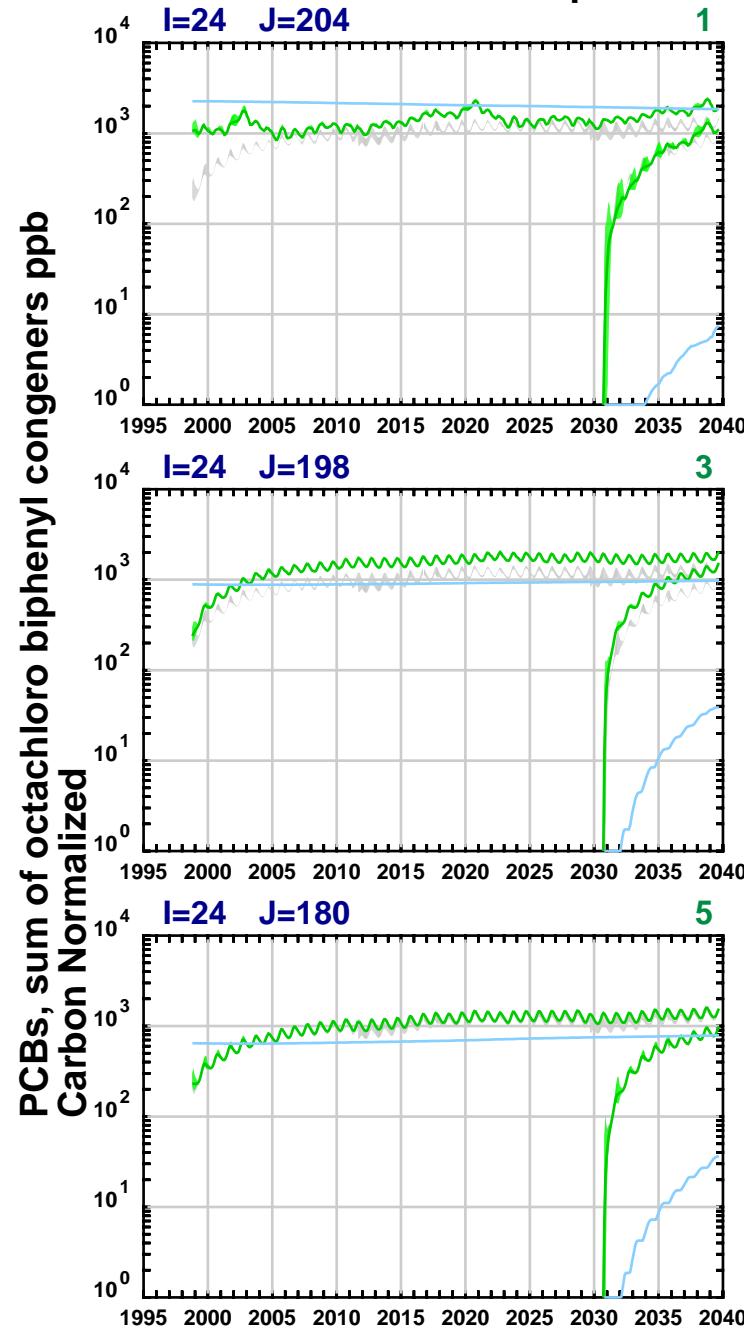
Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

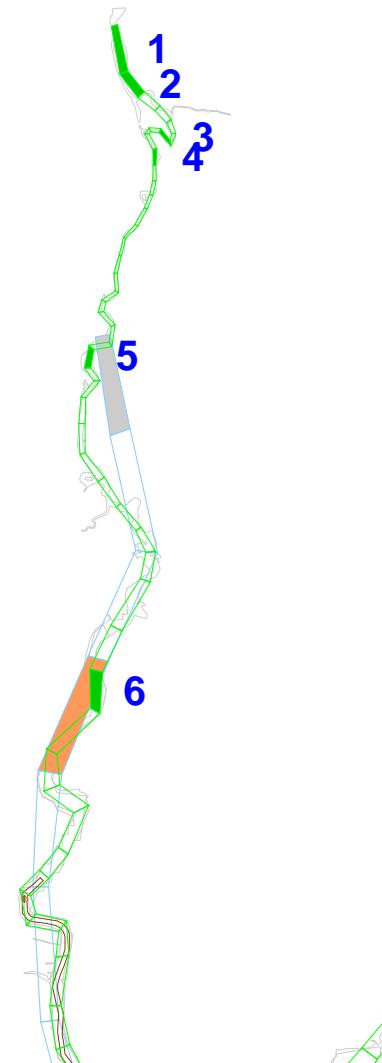
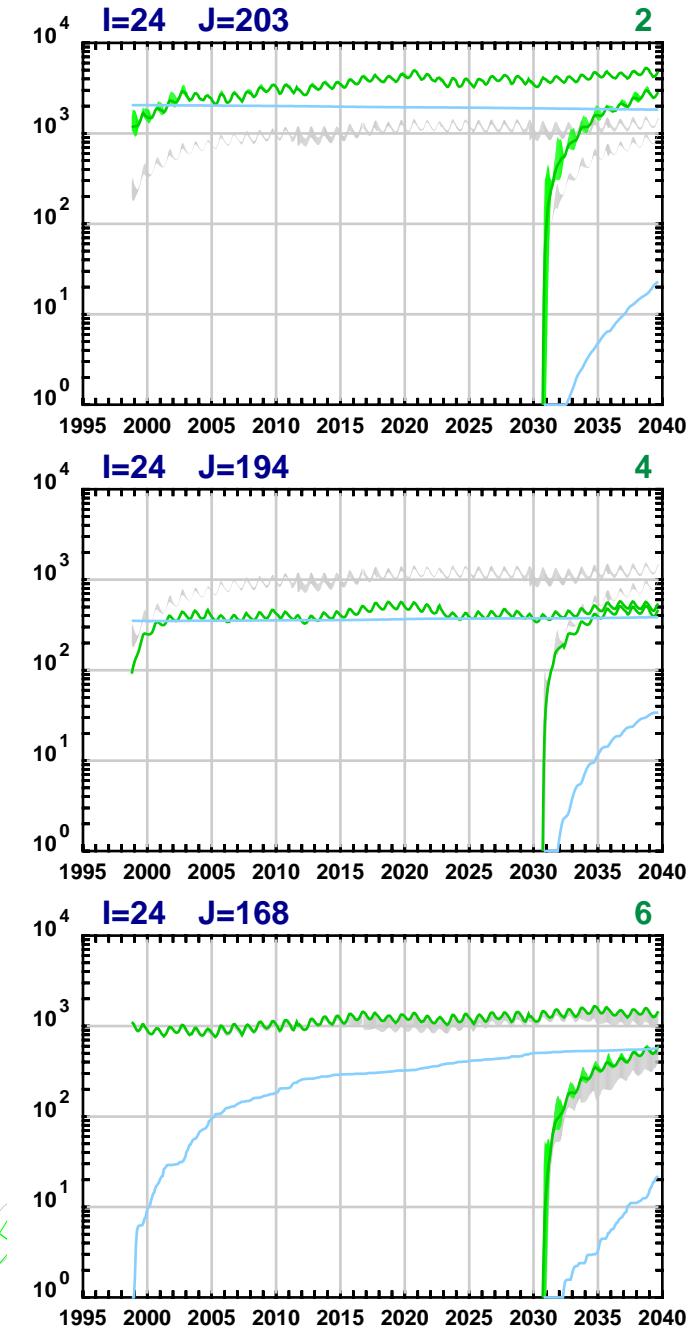
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● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios
Hackensack River



RUN18_PROJ01_PROJ02_R1

Model: mean and range of values in top sediment

Model: mean and range of values in bottom sediment

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