

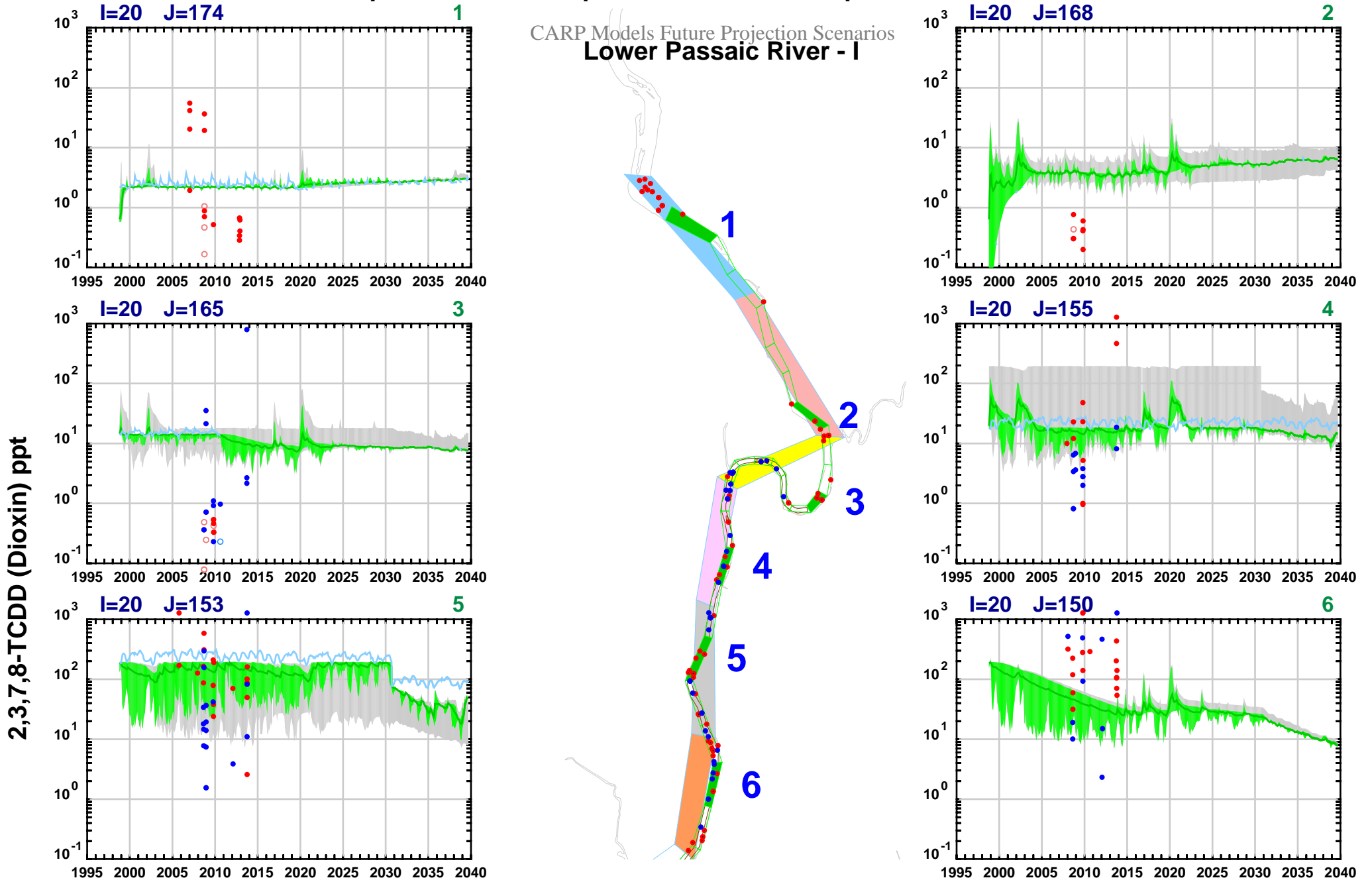
APPENDIX 1

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

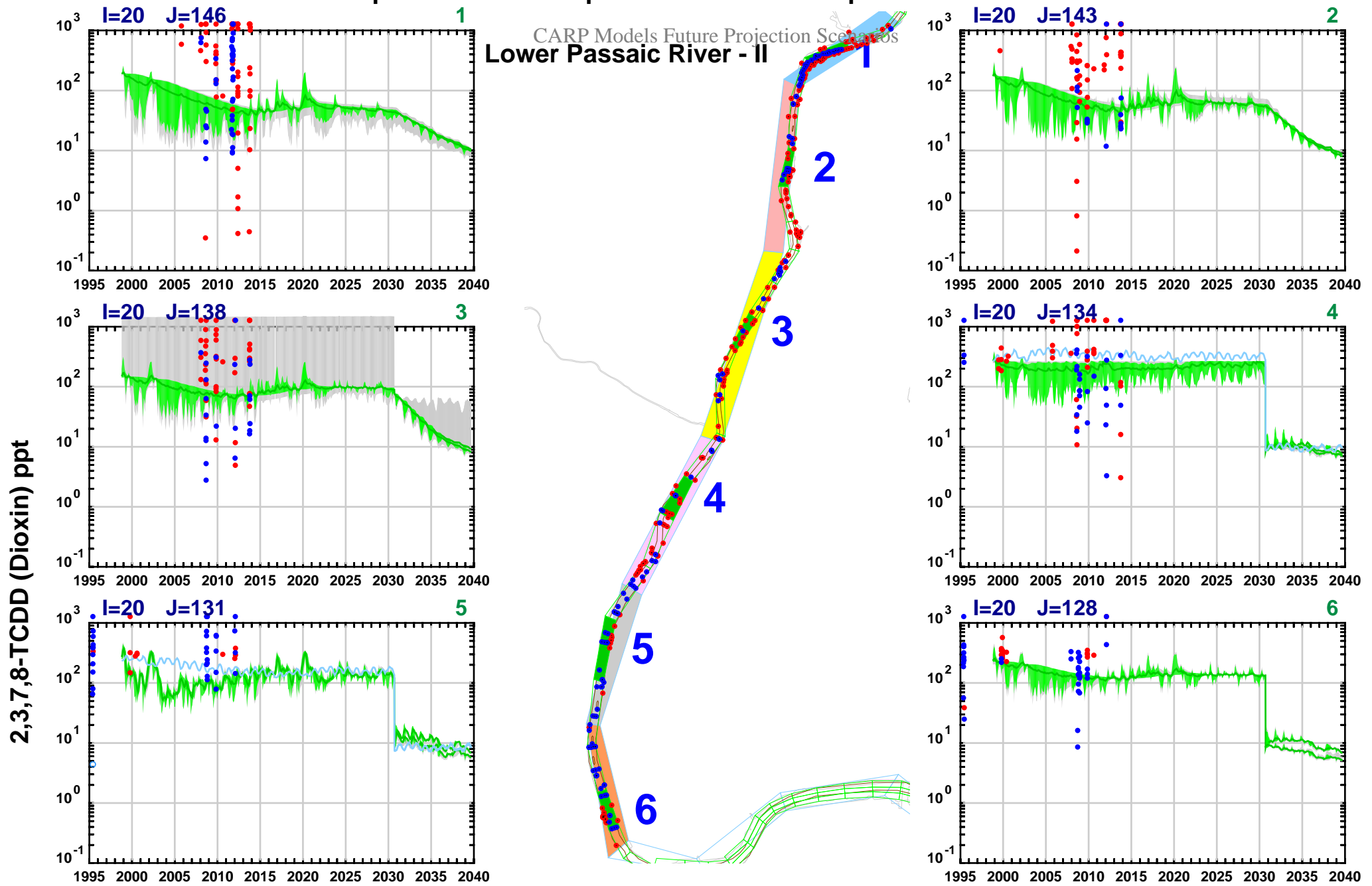


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

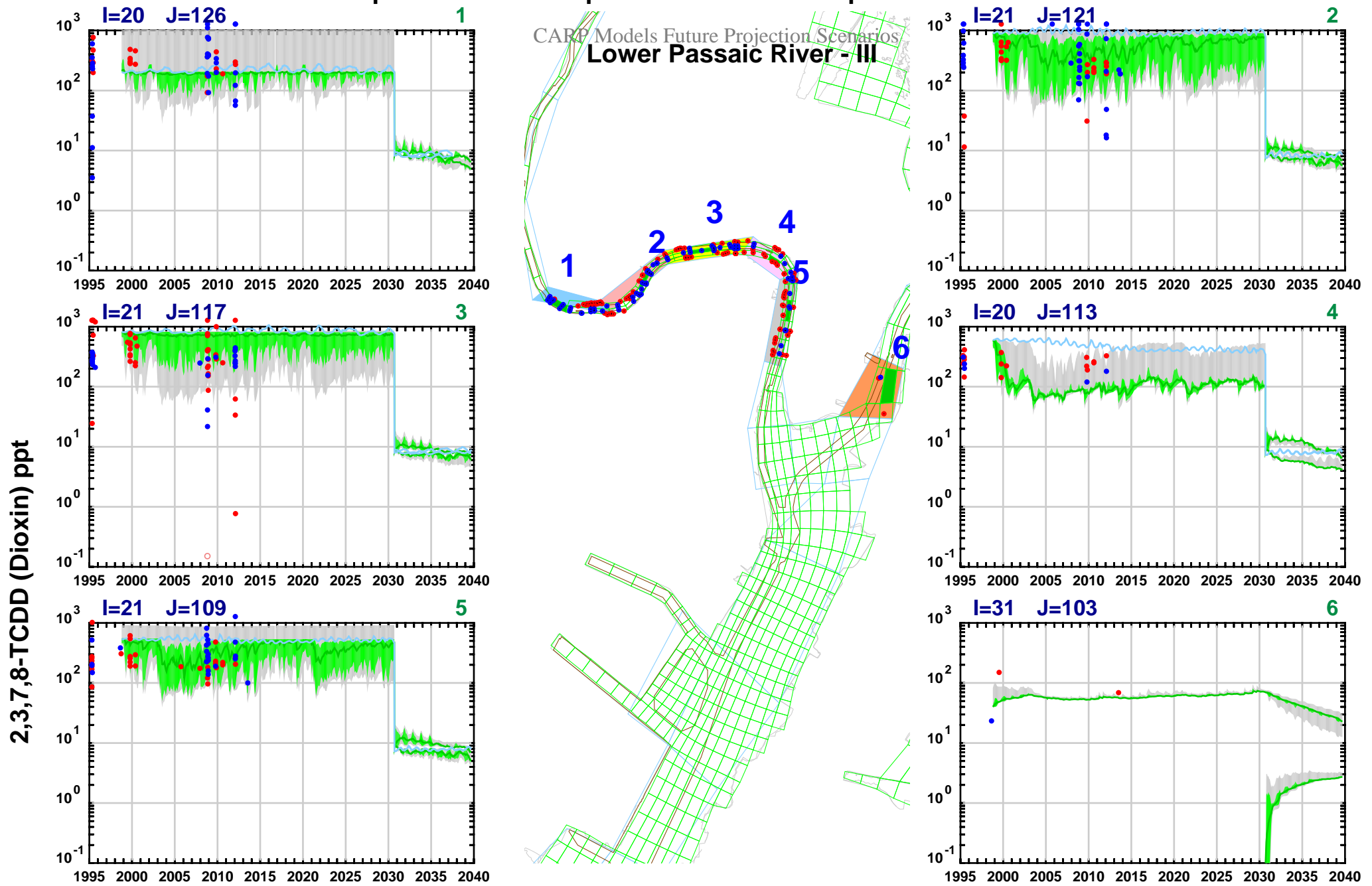


RUN18_PROJ01_PROJ02_R1

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

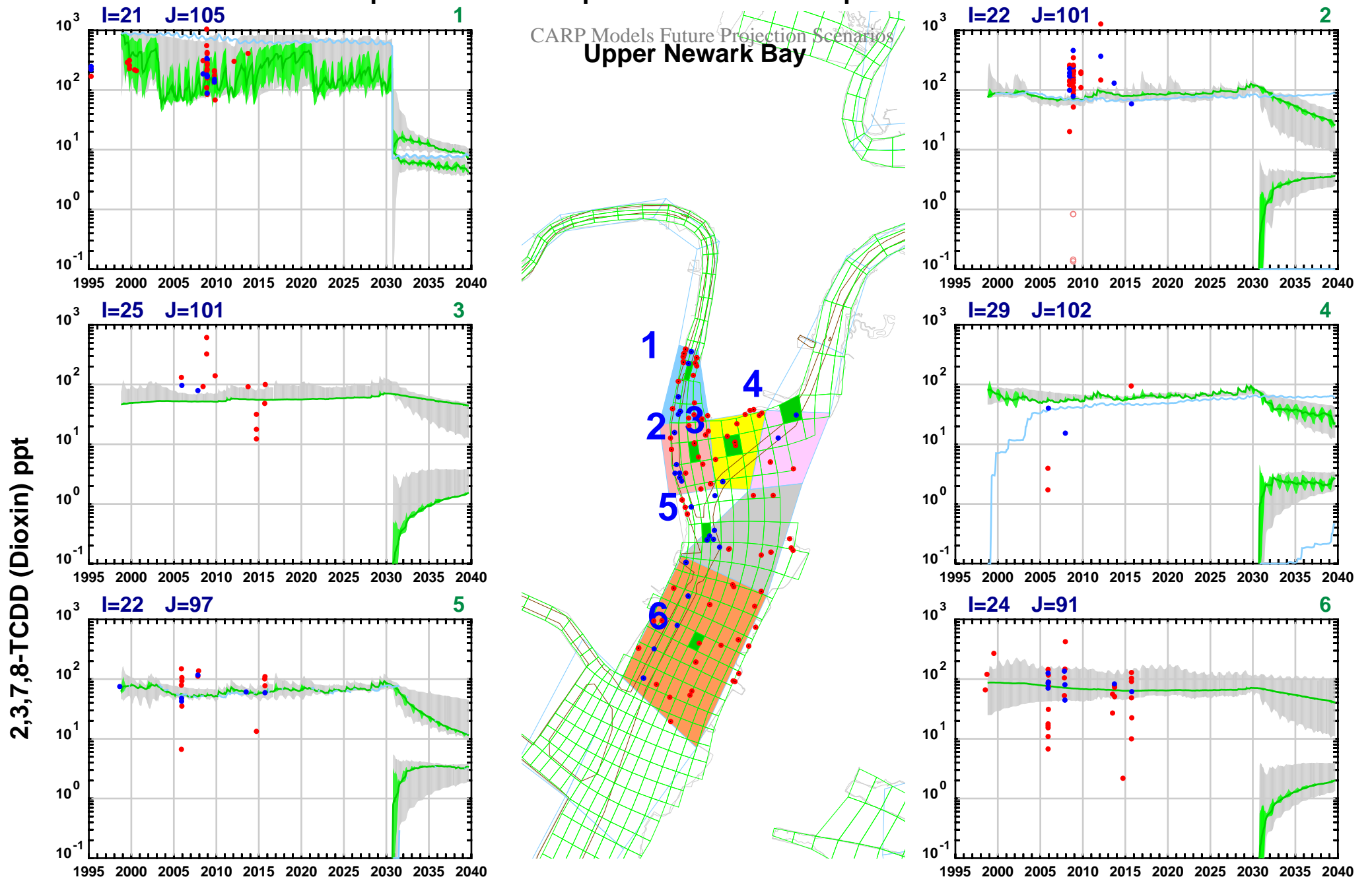
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

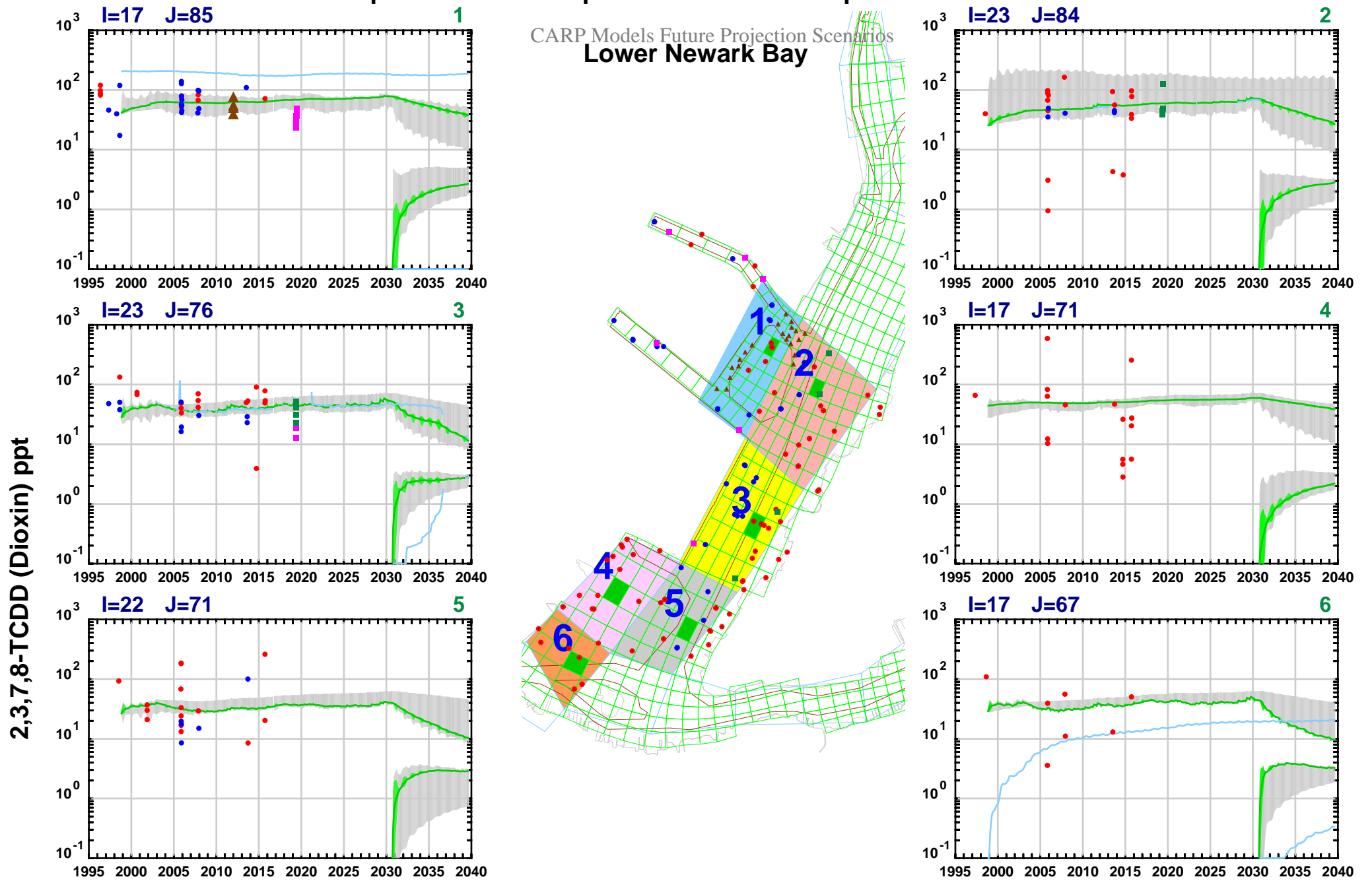


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



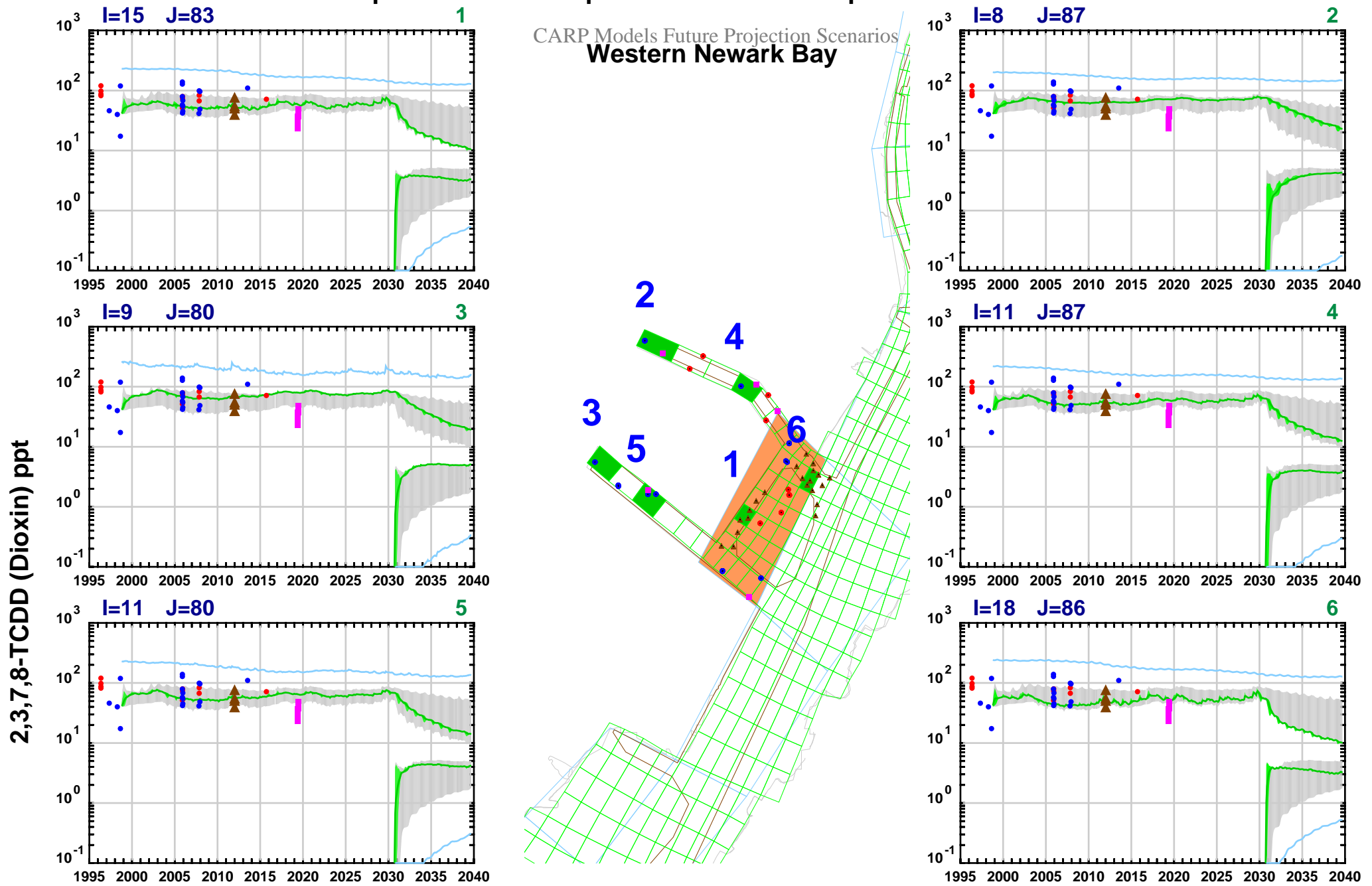
RUN18_PROJ01_PROJ02_R1

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

● In-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



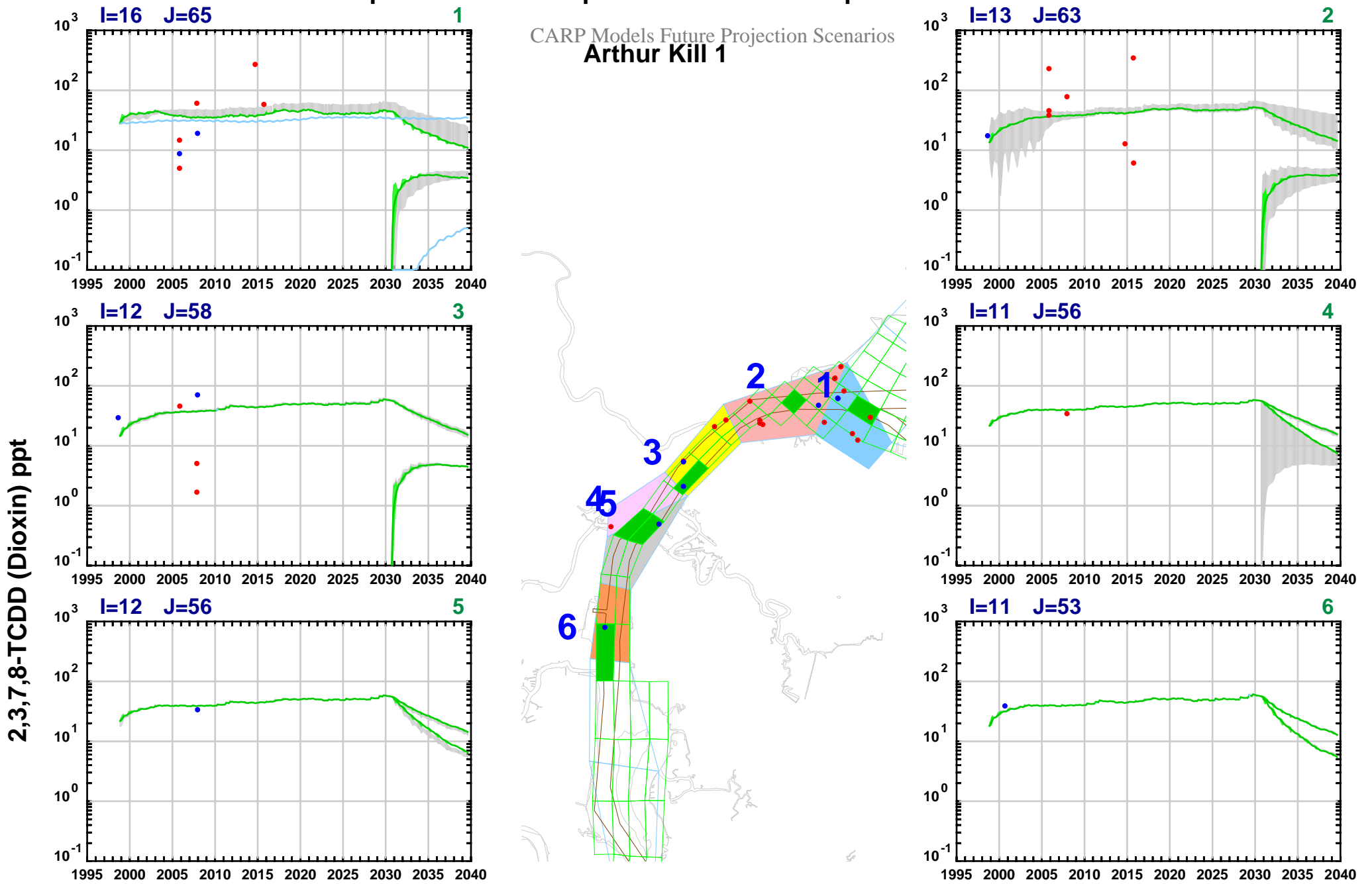
RUN18_PROJ01_PROJ02_R1

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

● In-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

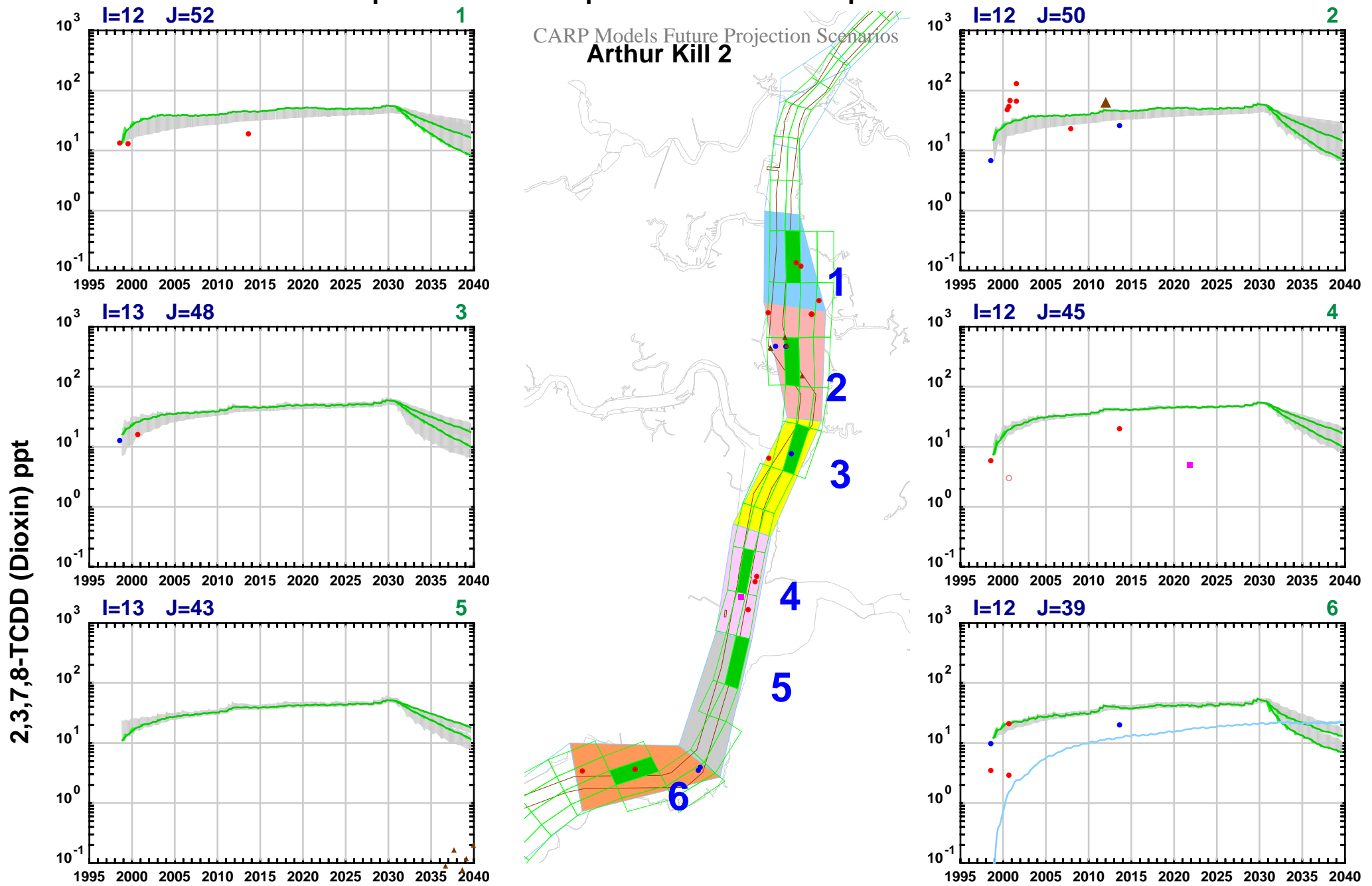


RUN18_PROJ01_PROJ02_R1

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

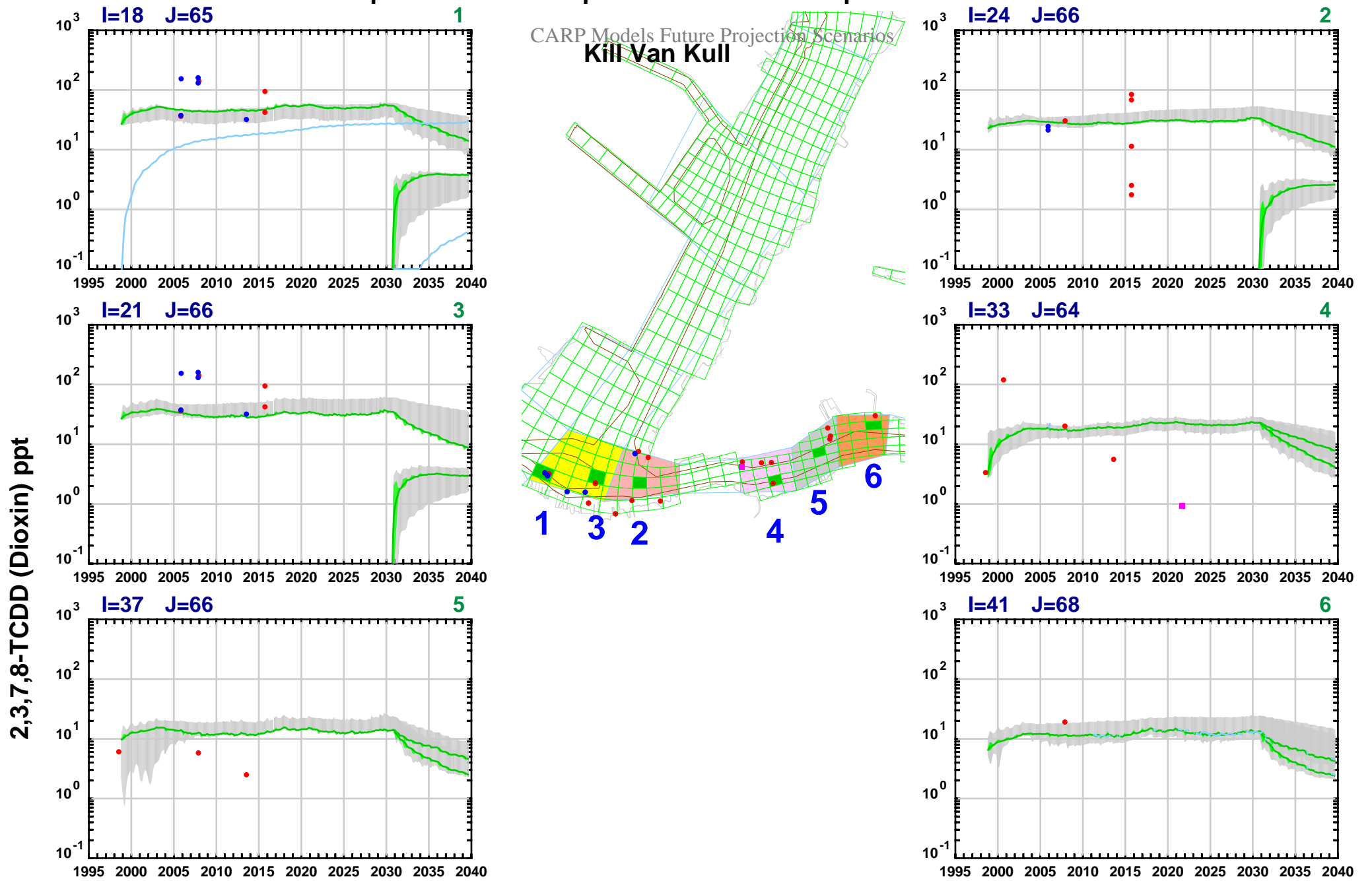
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

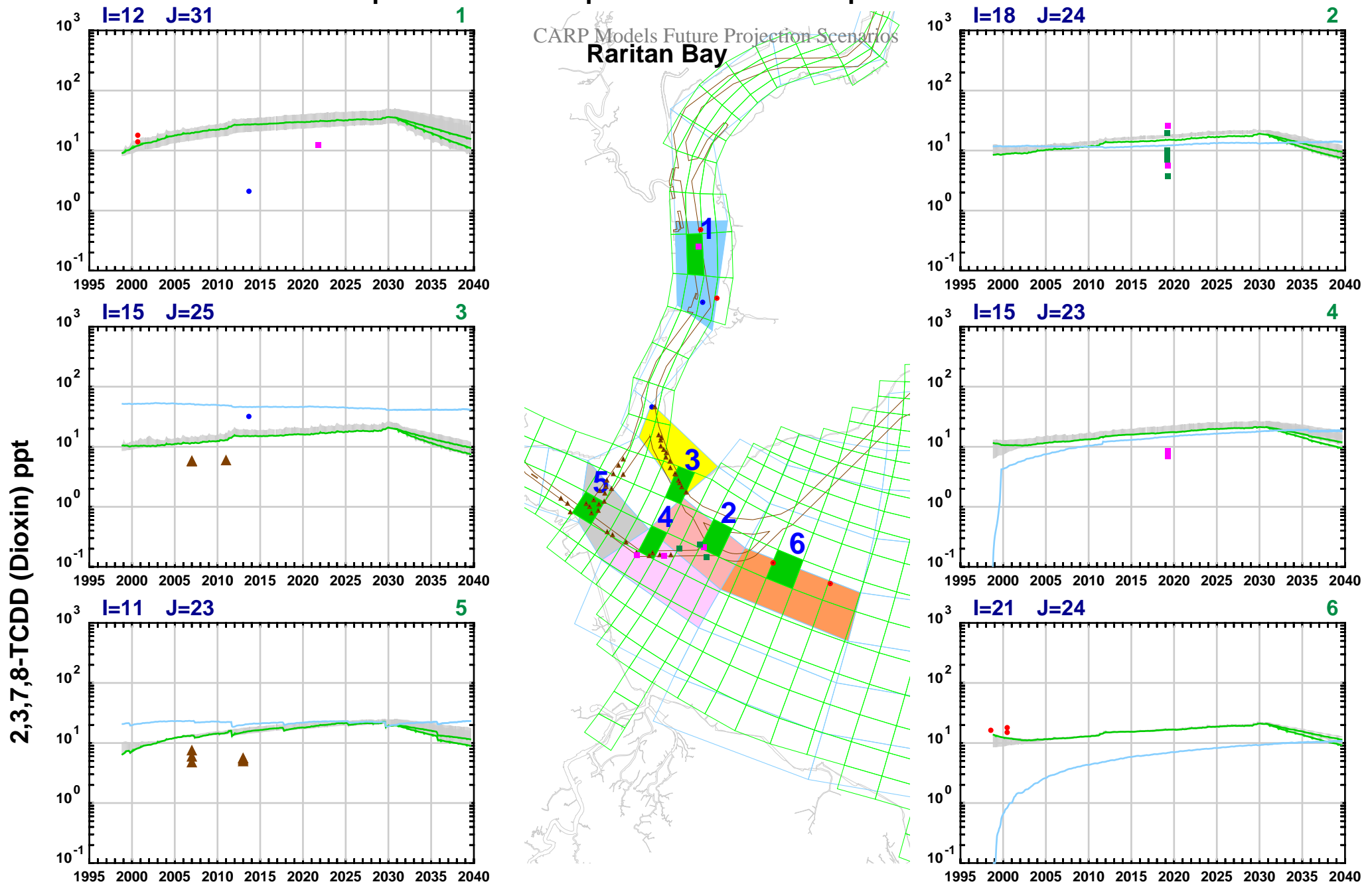


RUN18_PROJ01_PROJ02_R1

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

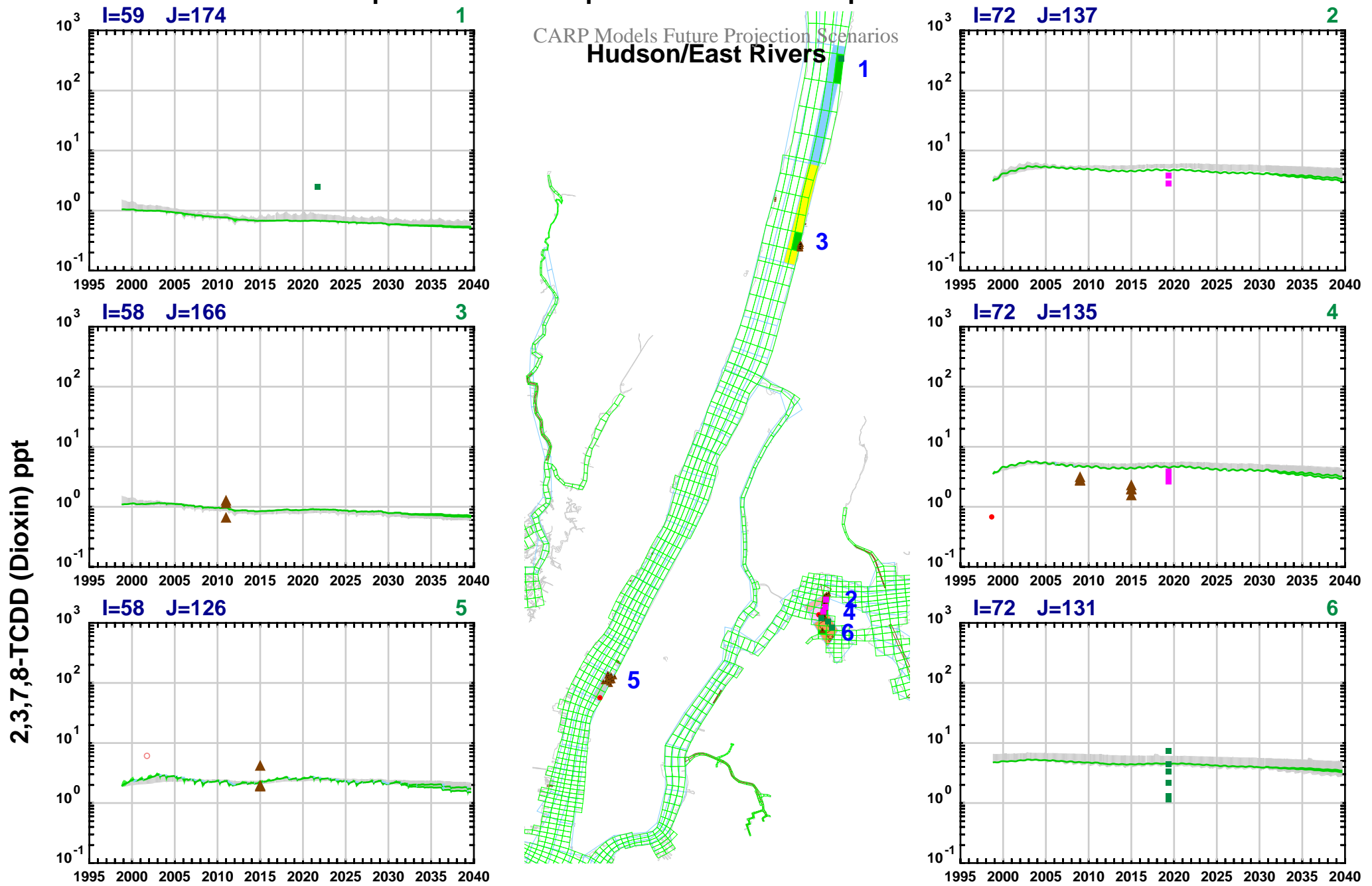
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

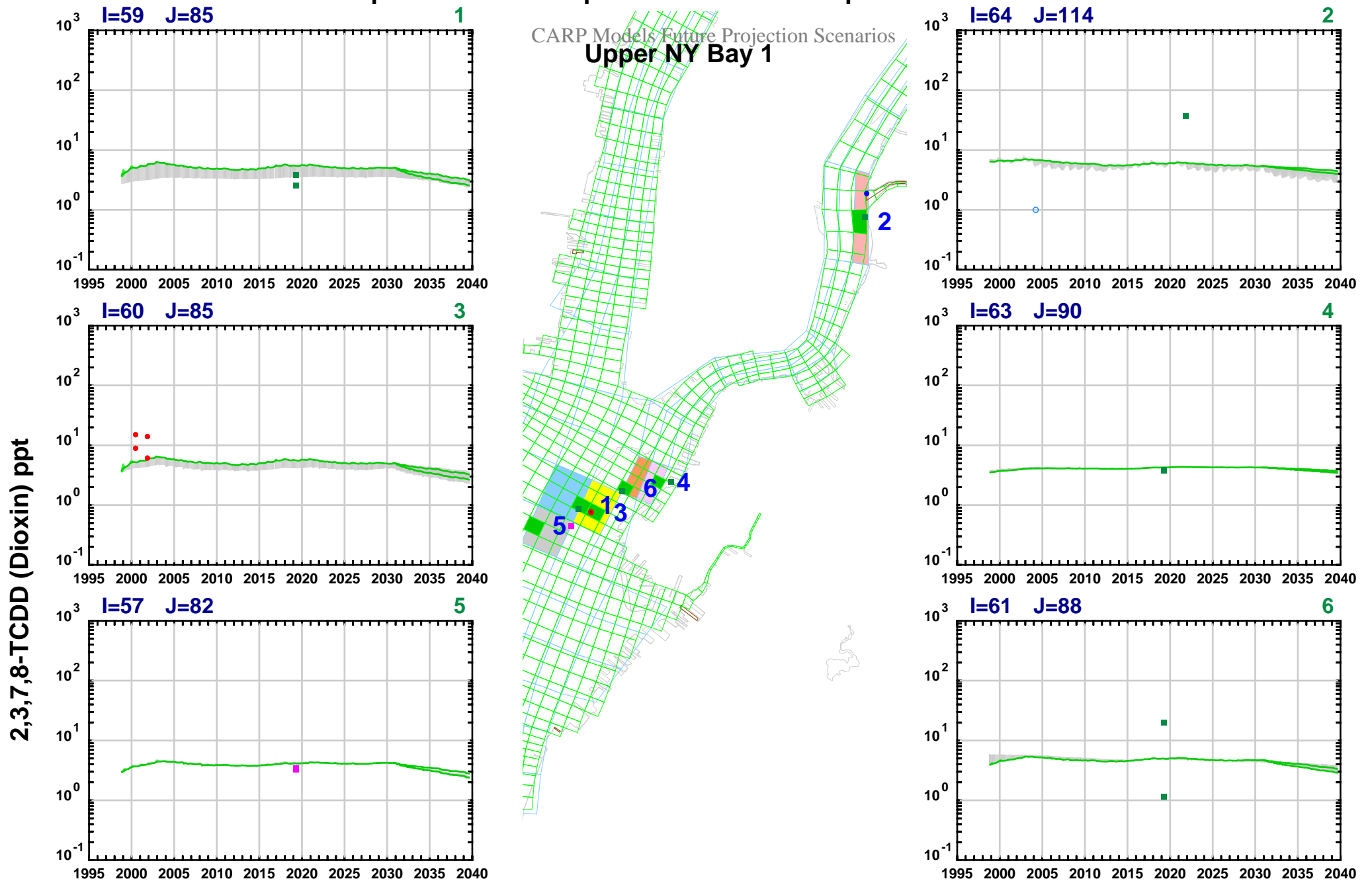
Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

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

Top 15 cm data comparison with model top 10 cm sediment

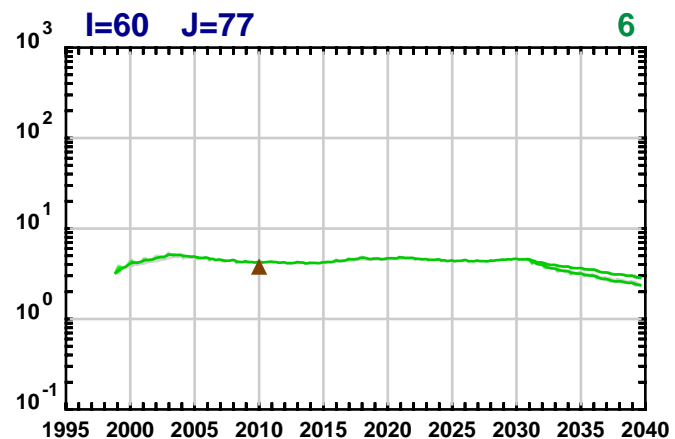
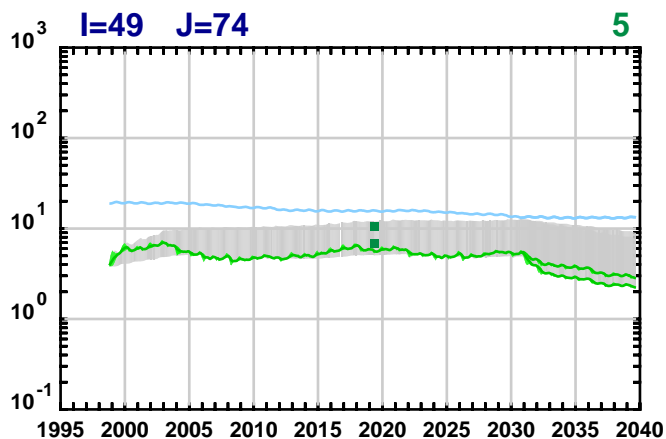
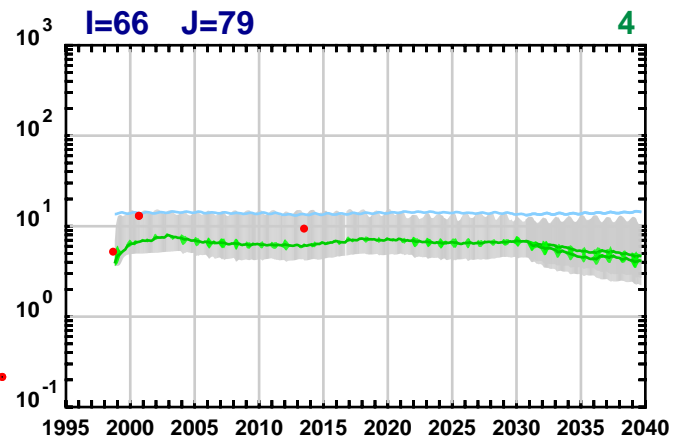
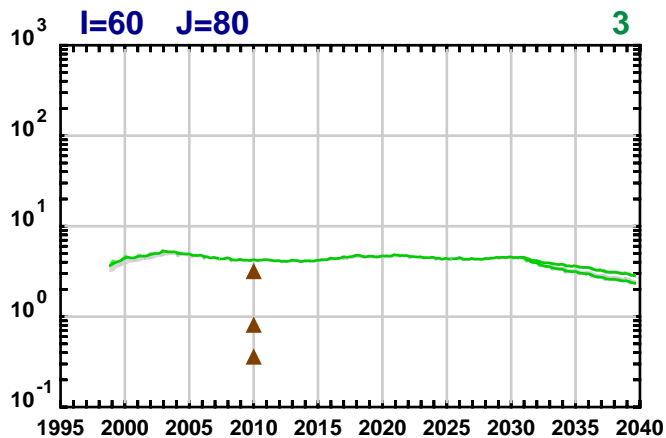
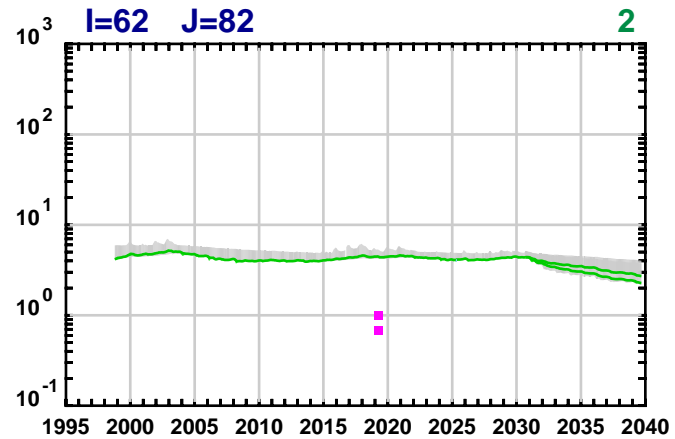
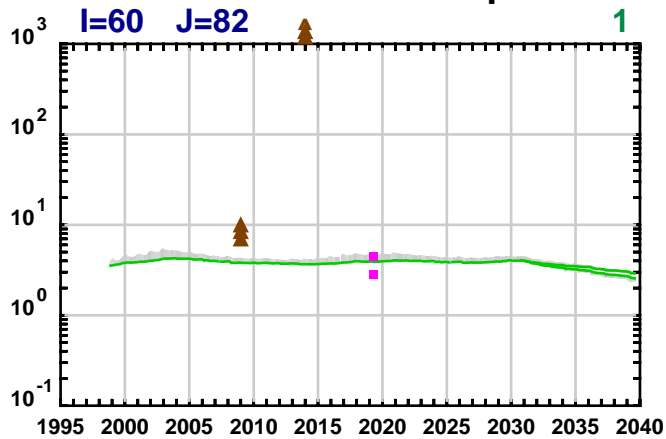
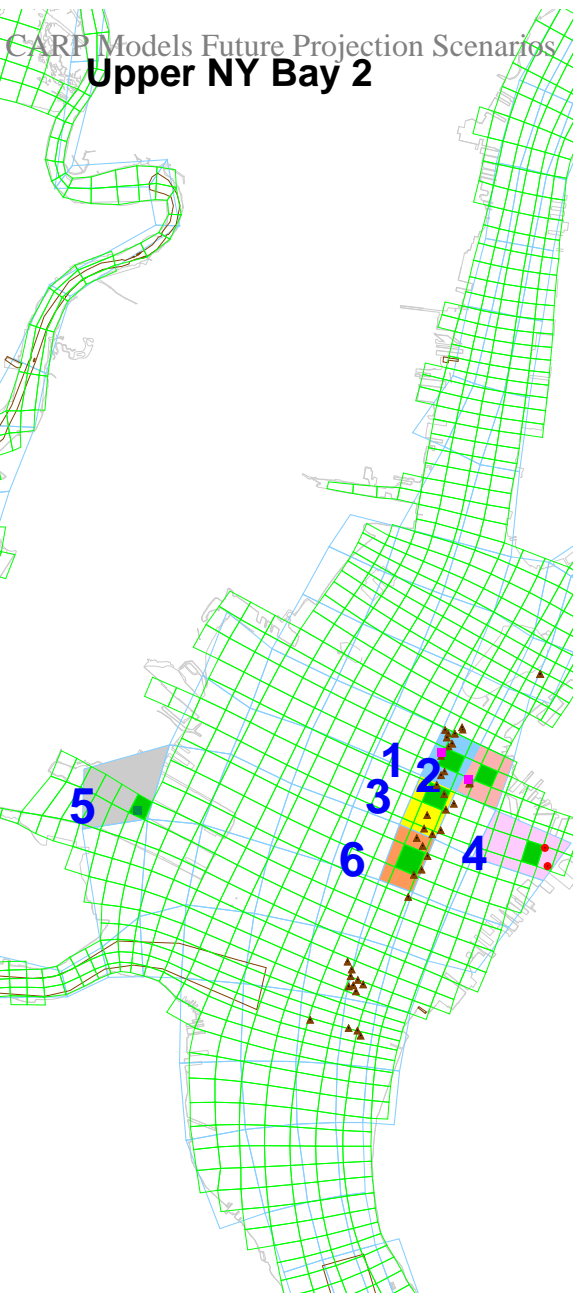


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



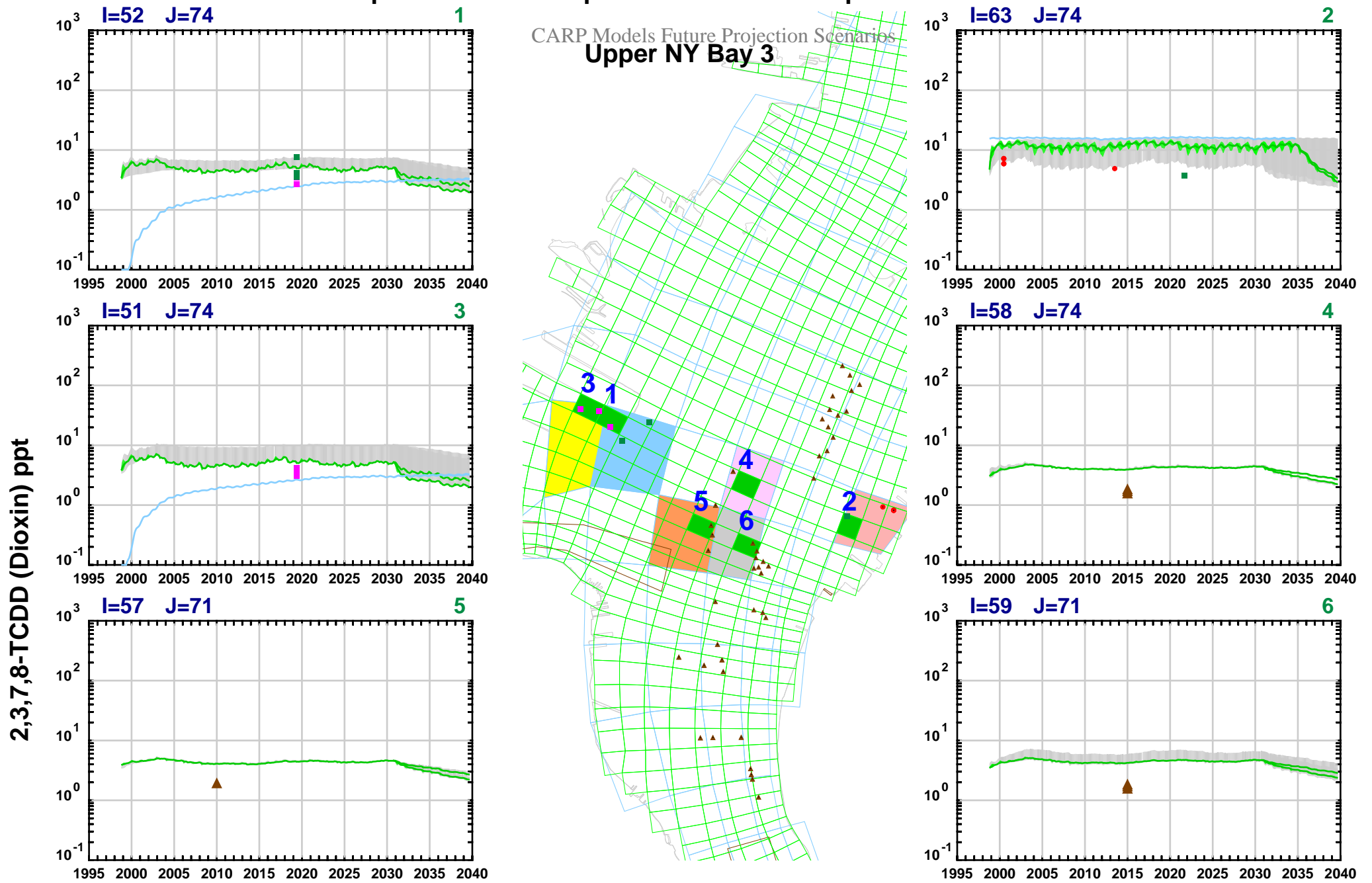
2,3,7,8-TCDD (Dioxin) ppt

RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

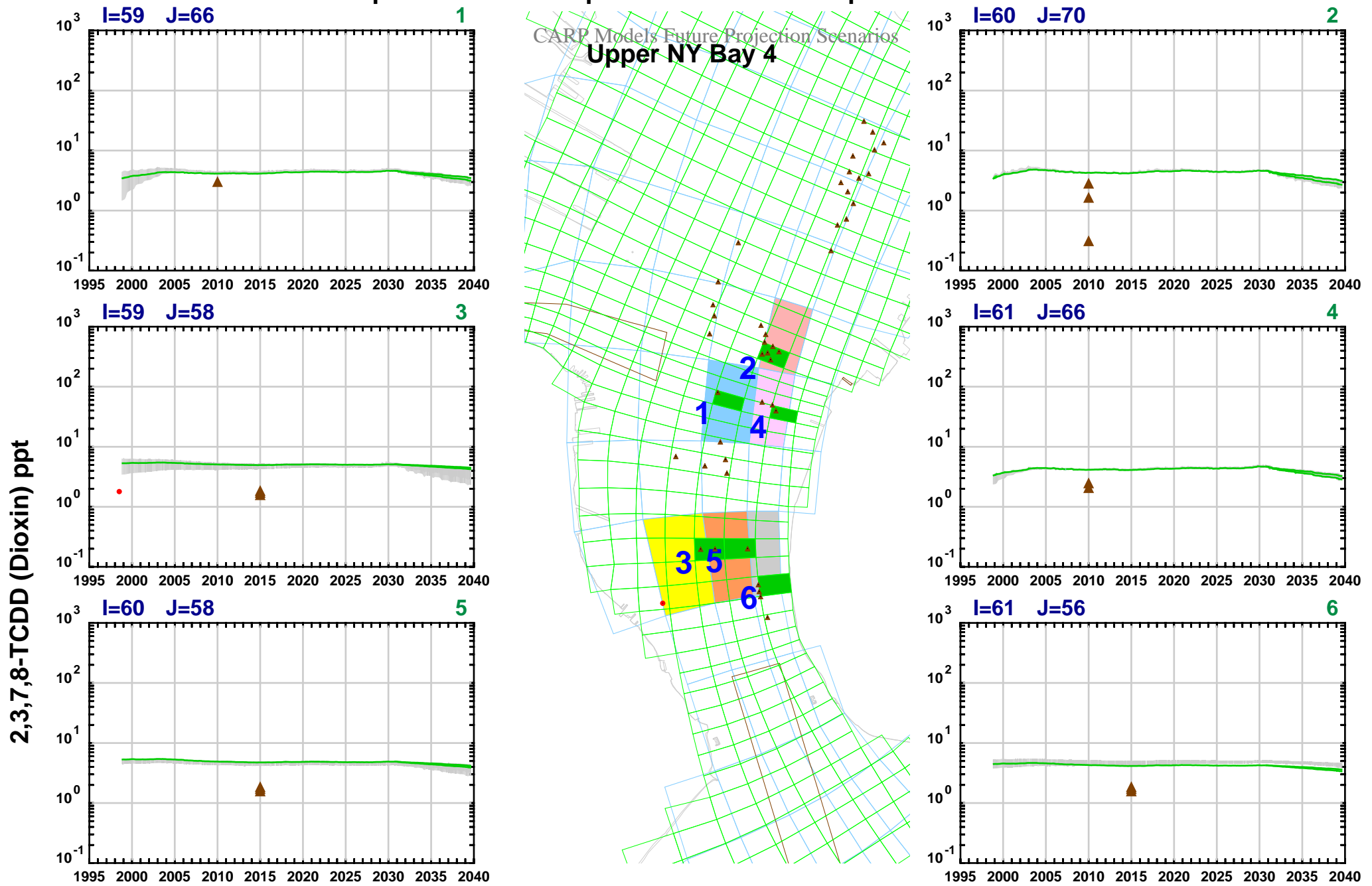


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

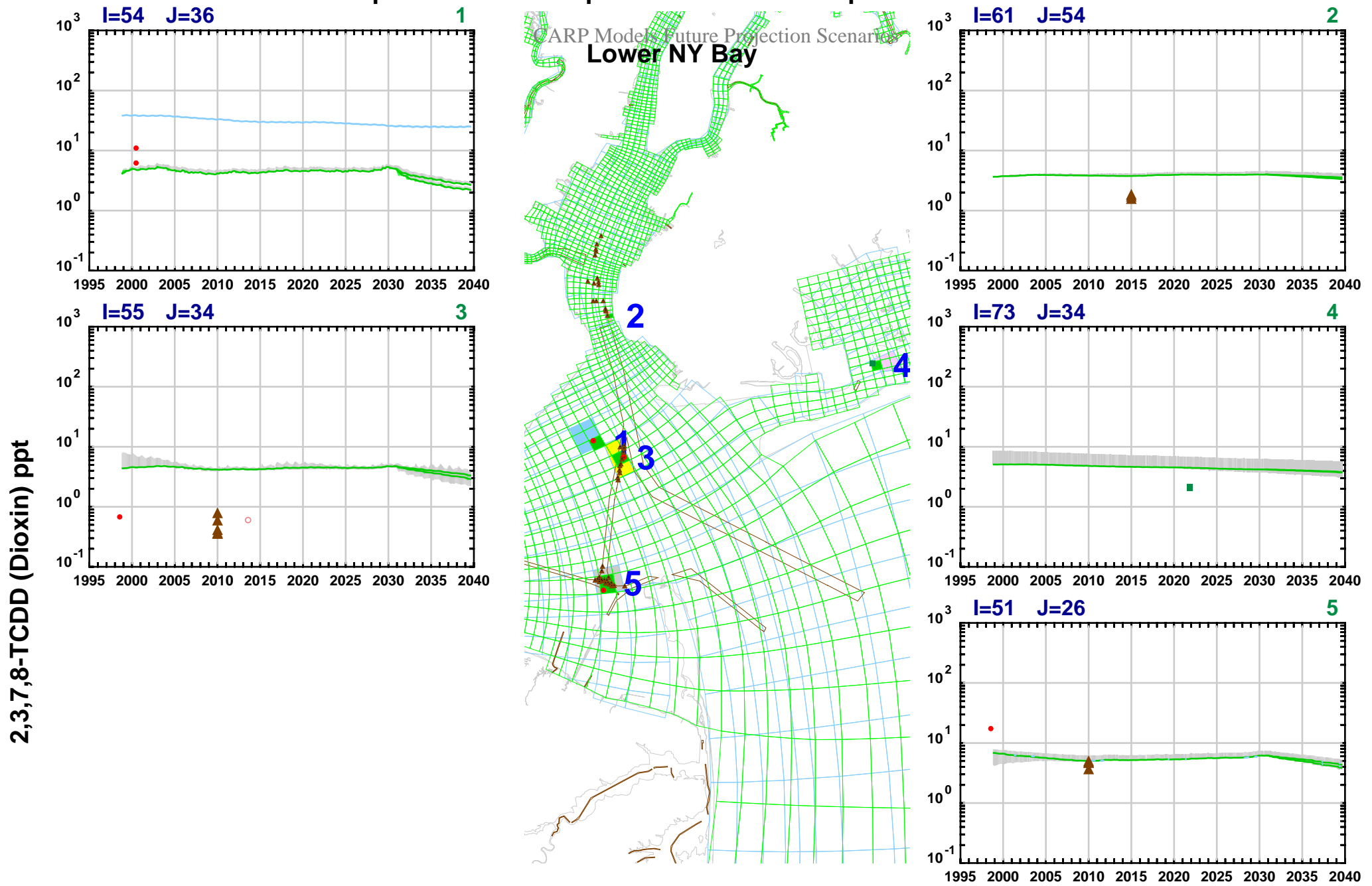


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



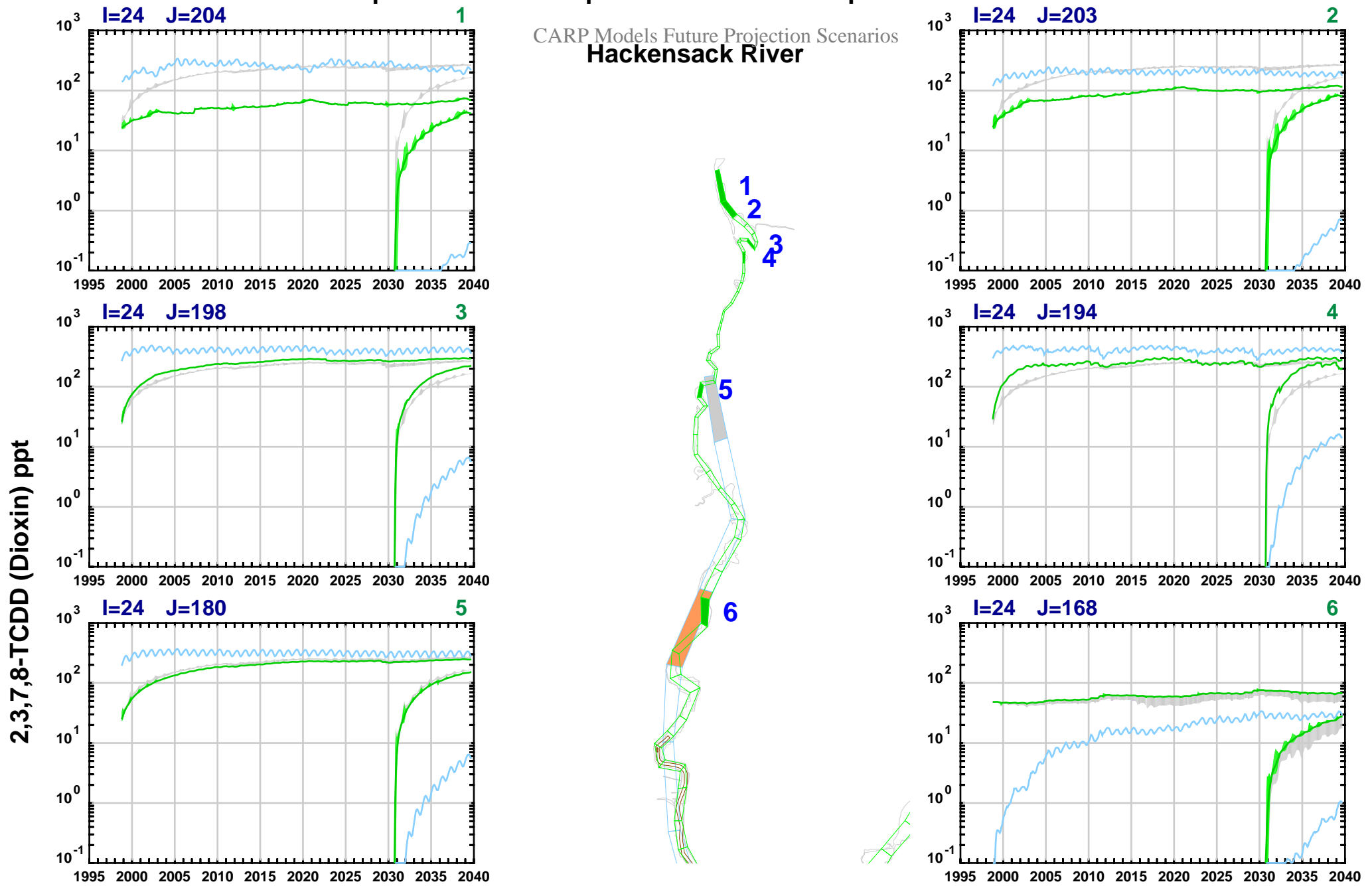
RUN18_PROJ01_PROJ02_R1

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

● In-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



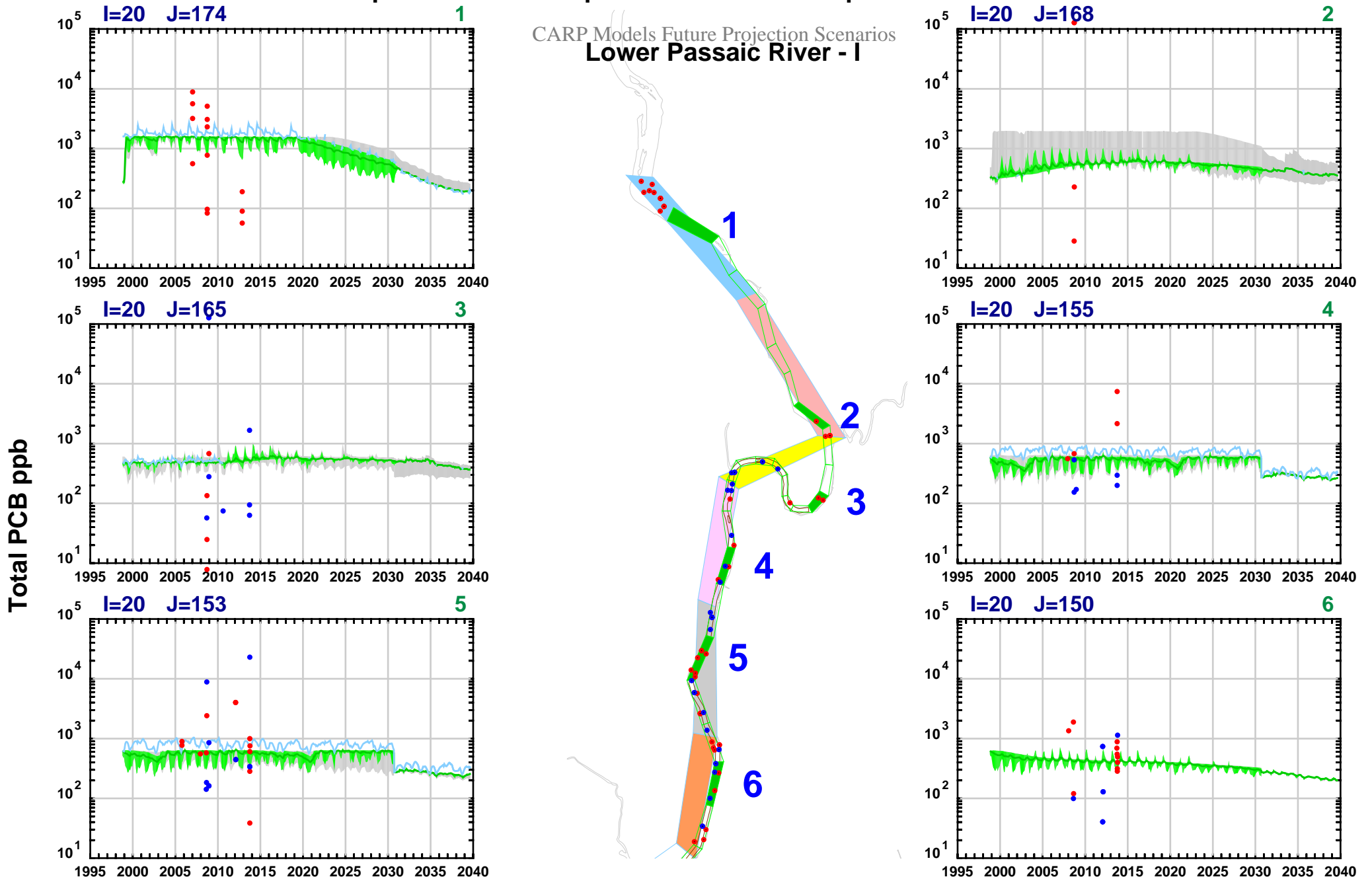
RUN18_PROJ01_PROJ02_R1

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

● In-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

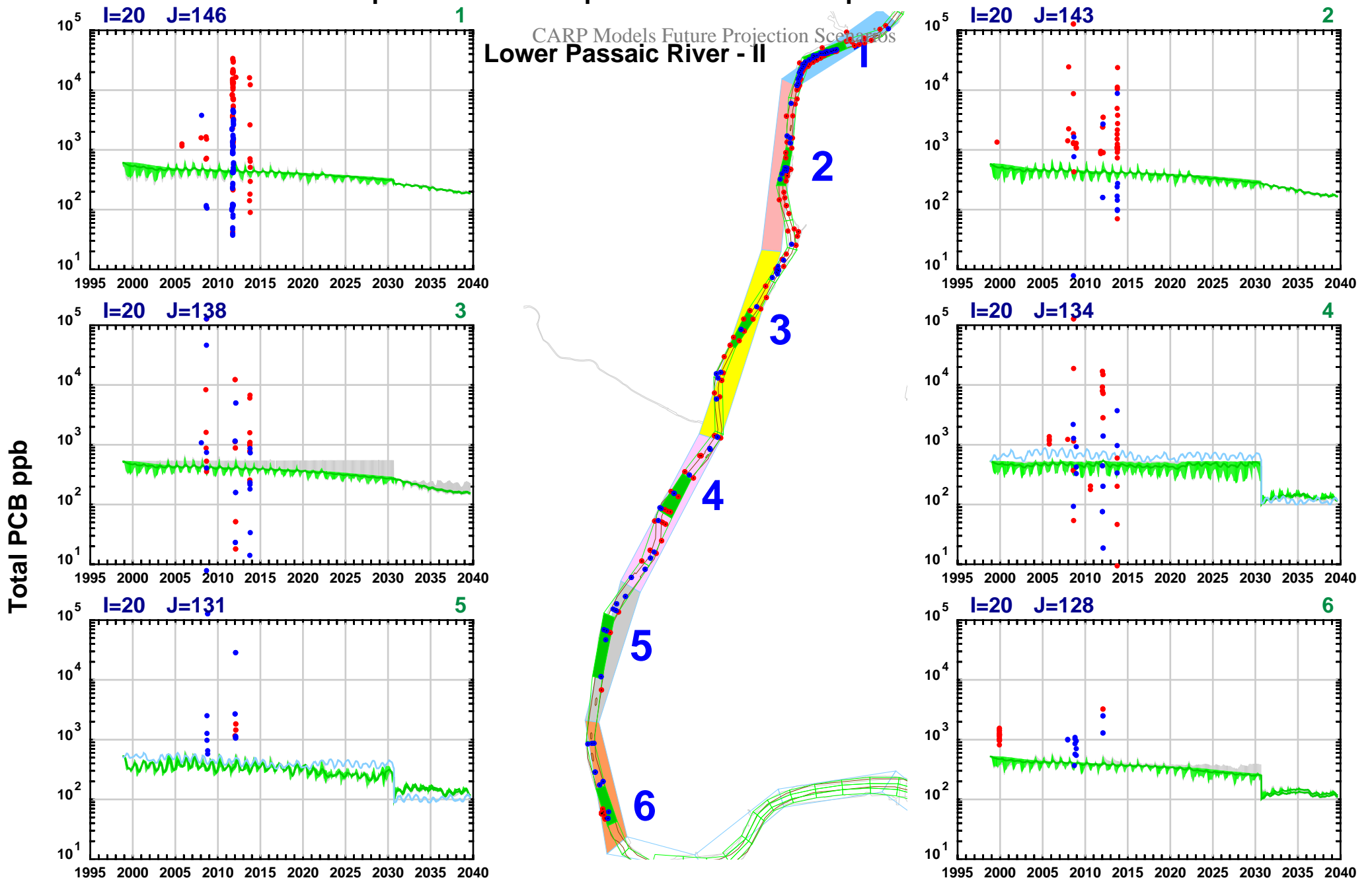


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



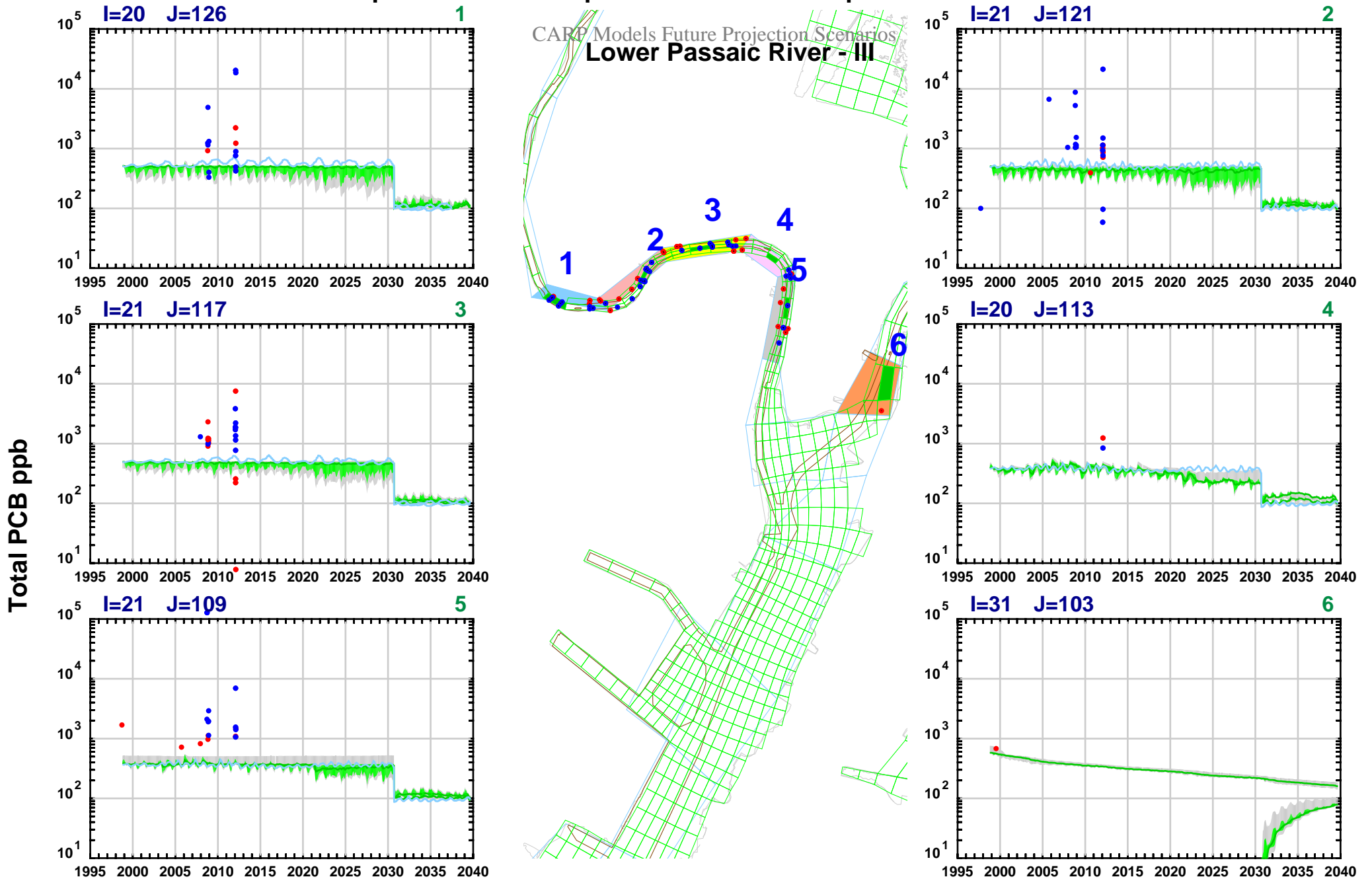
Total PCB ppb

RUN18_PROJ01_PROJ02_R1

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

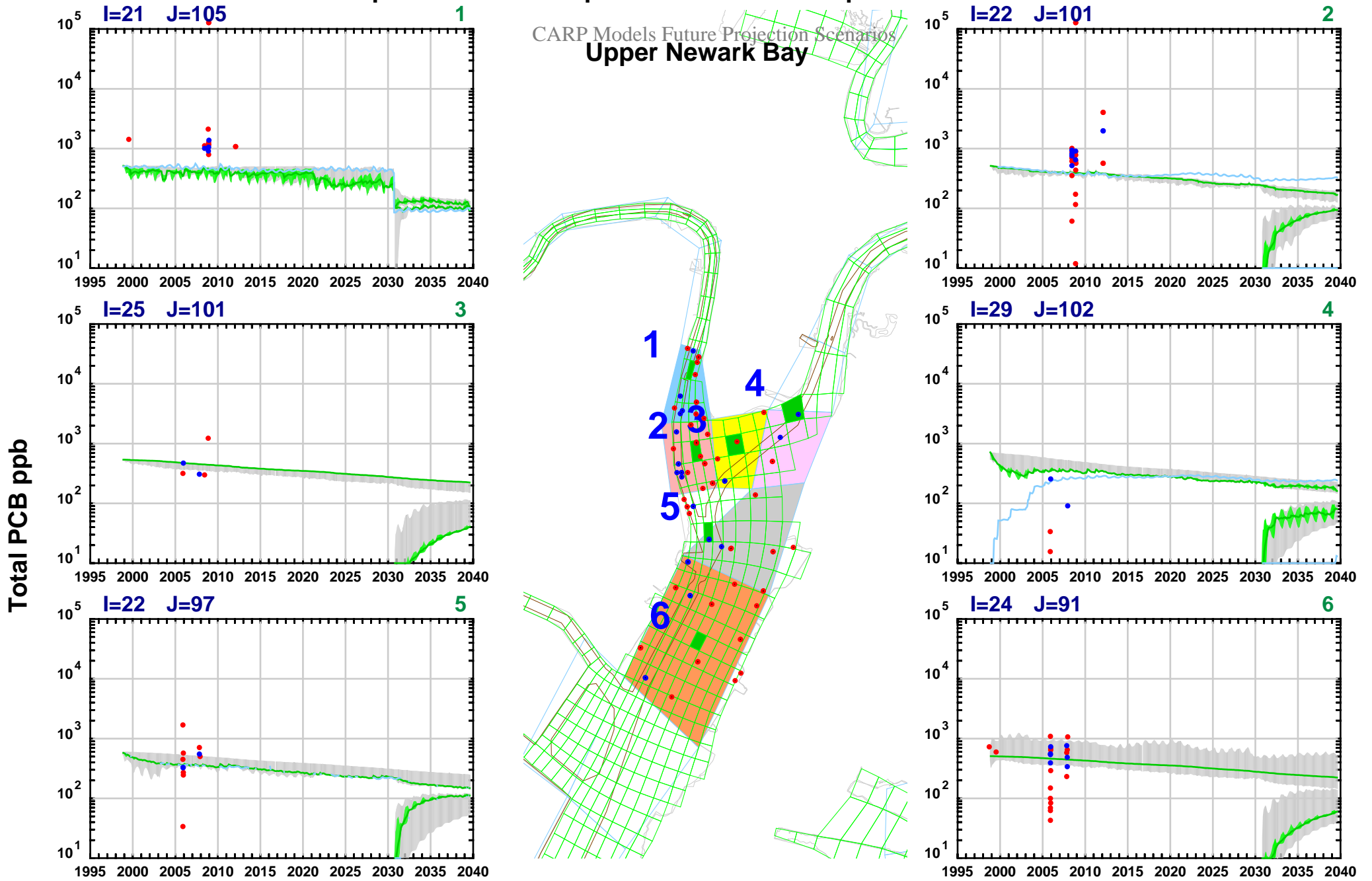
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment



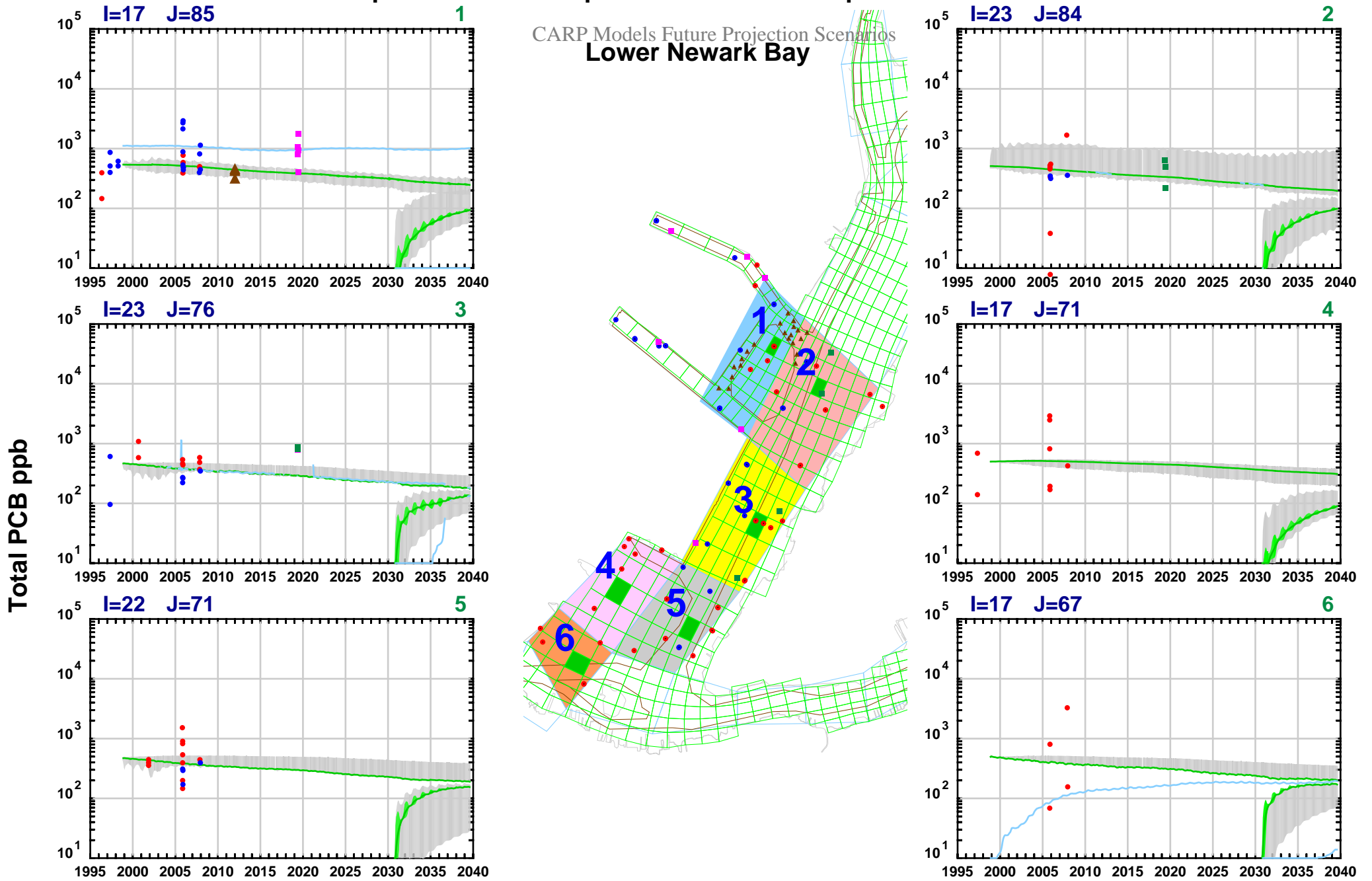
RUN18_PROJ01_PROJ02_R1

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

● In-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



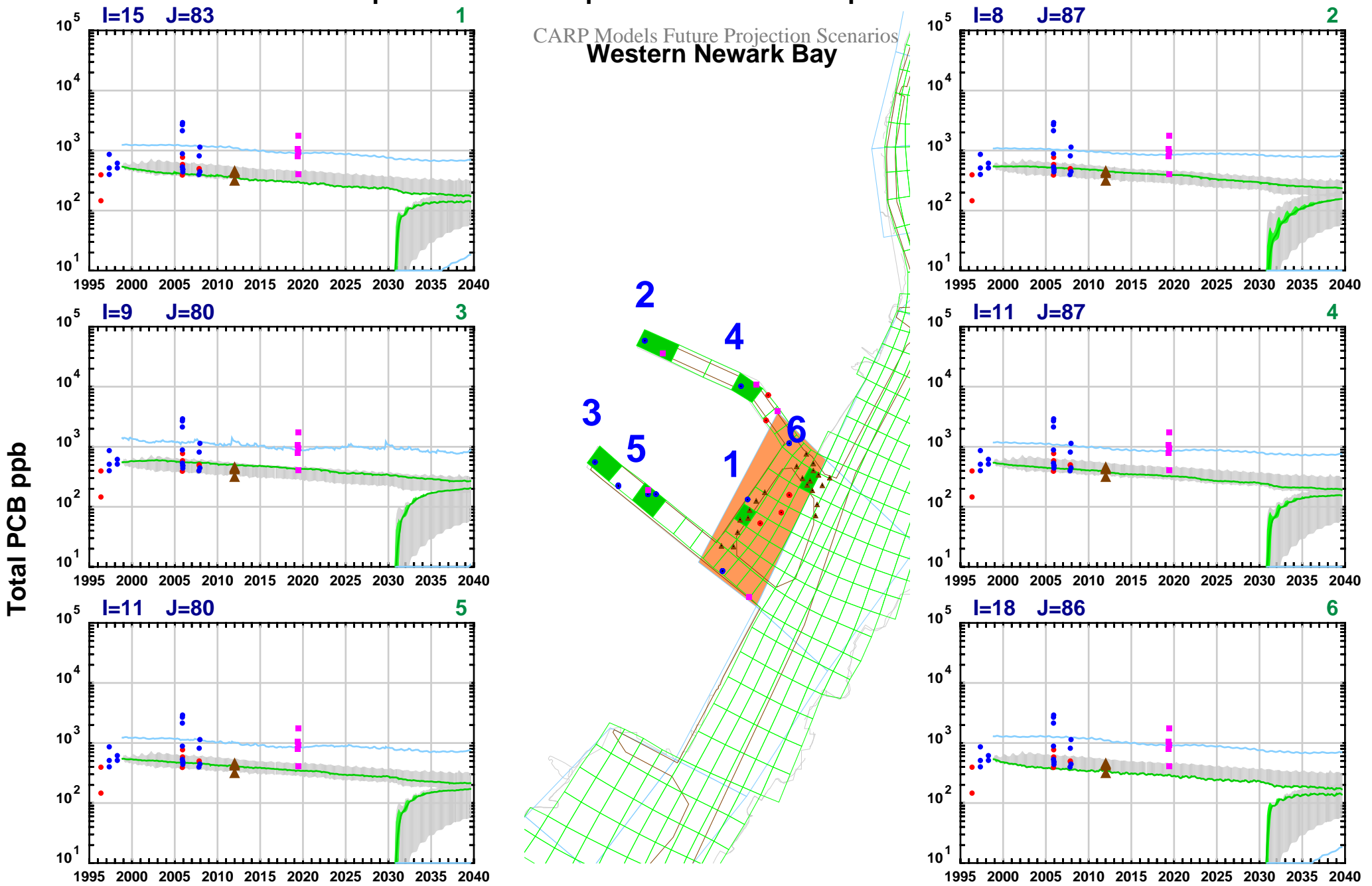
RUN18_PROJ01_PROJ02_R1

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

● In-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



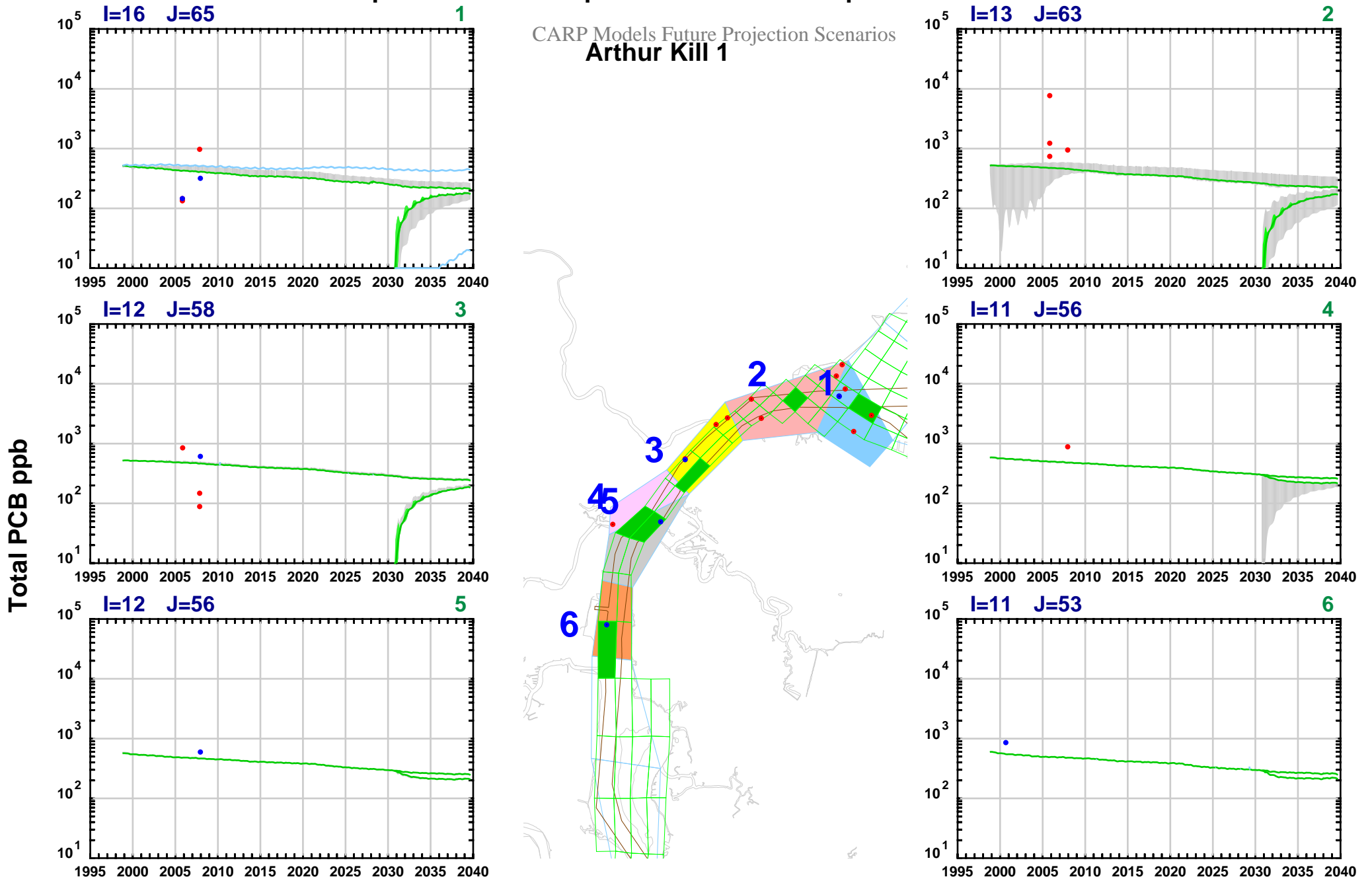
RUN18_PROJ01_PROJ02_R1

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

● In-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

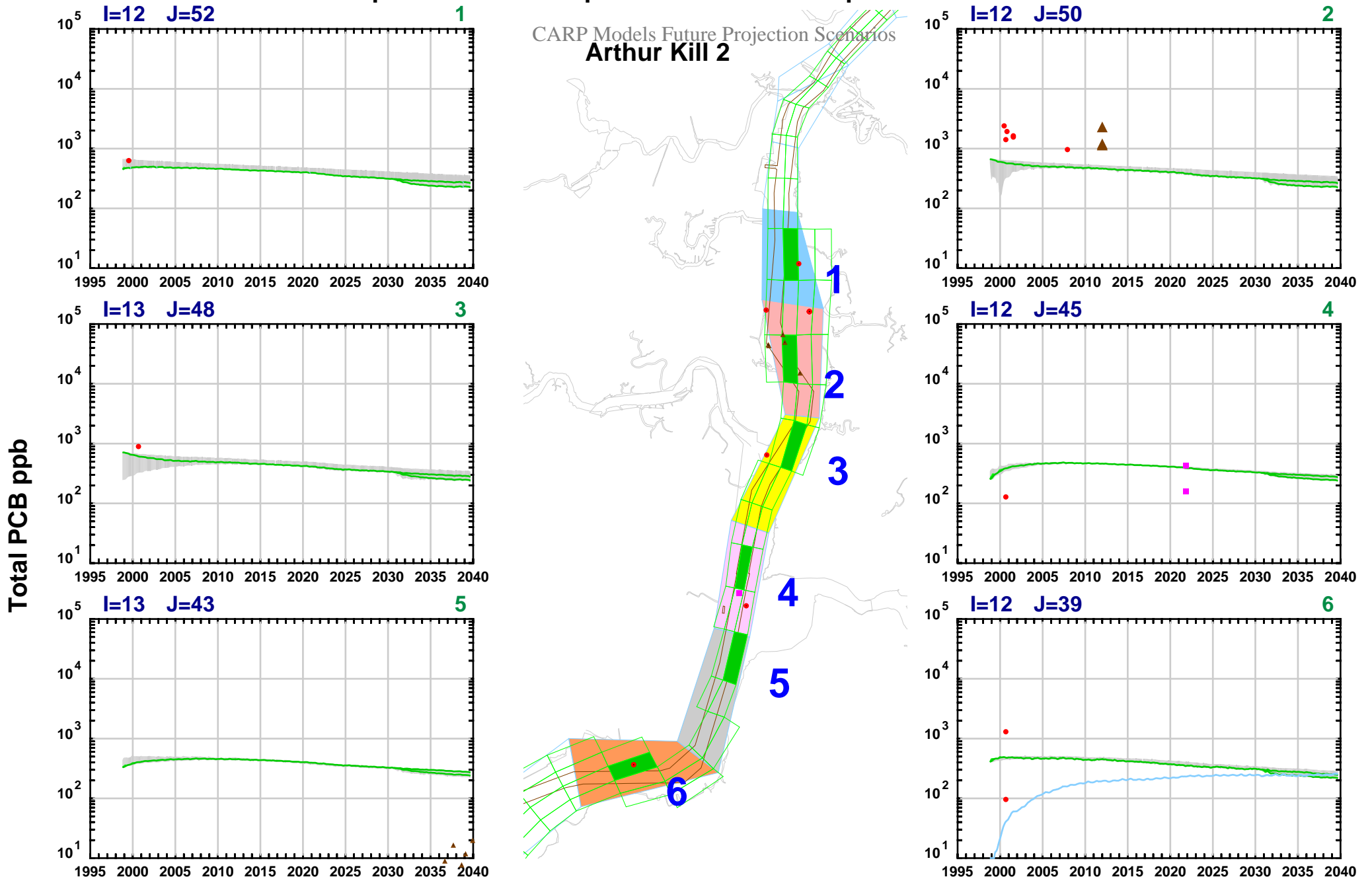


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

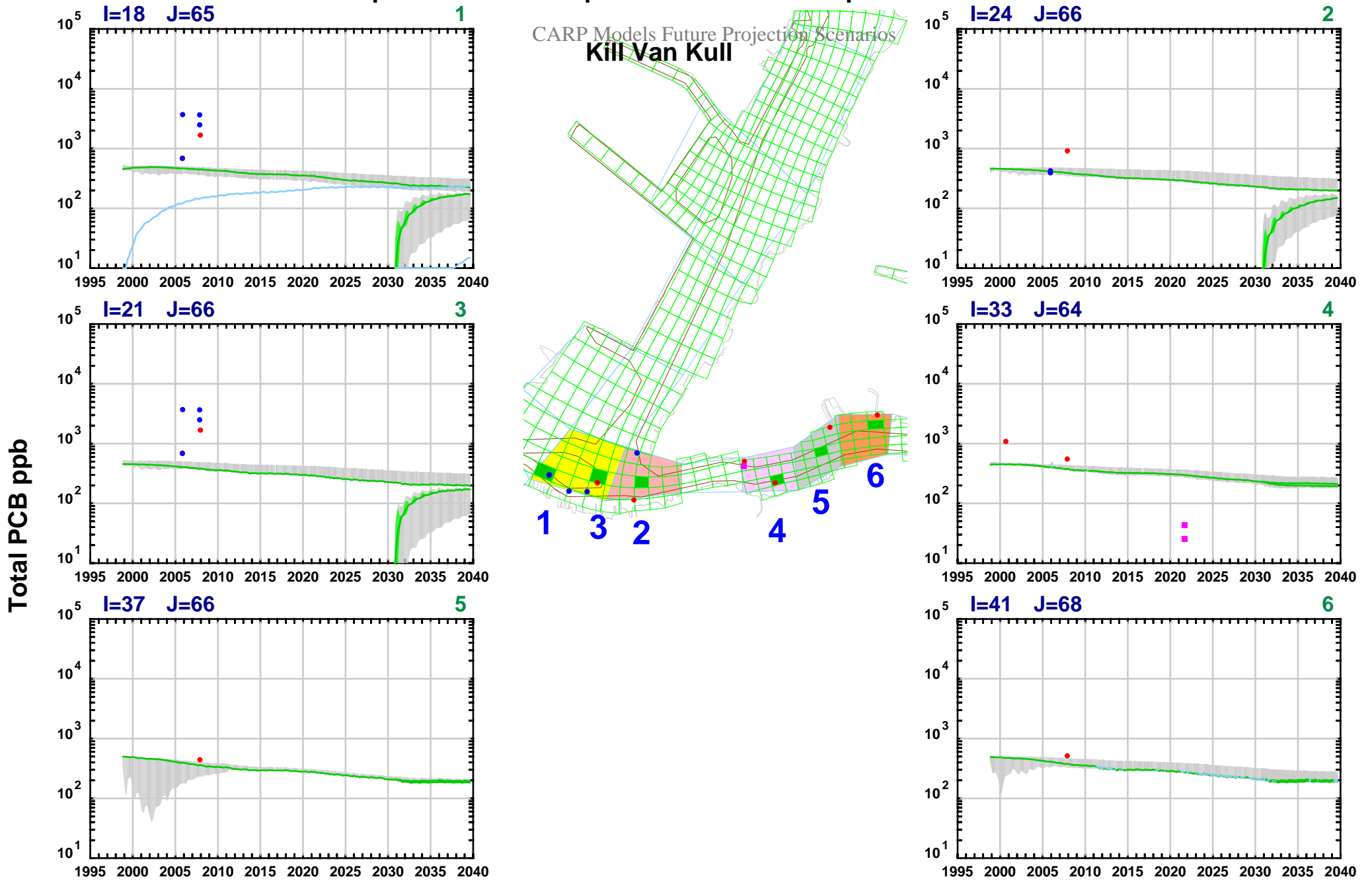


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

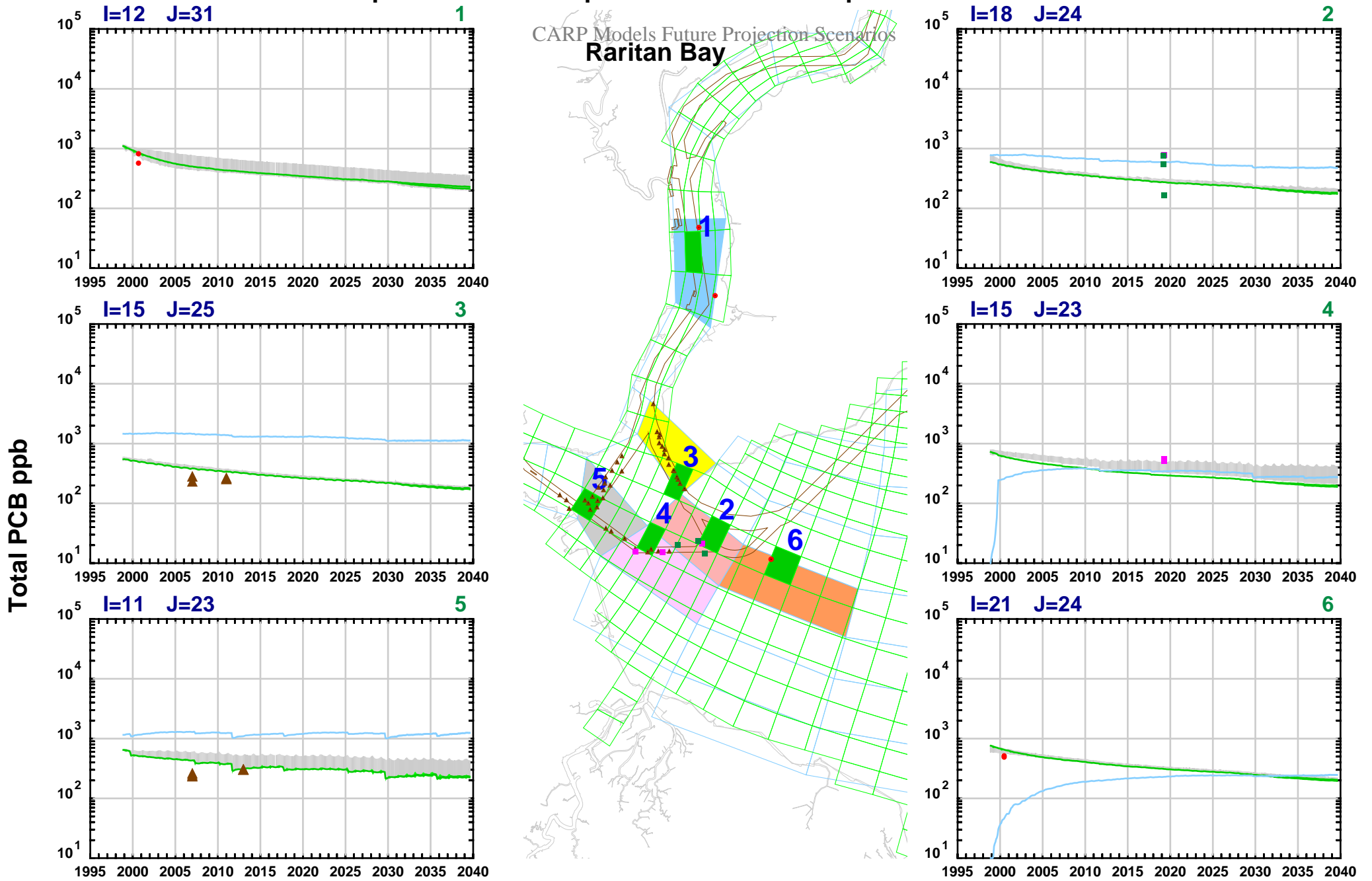


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

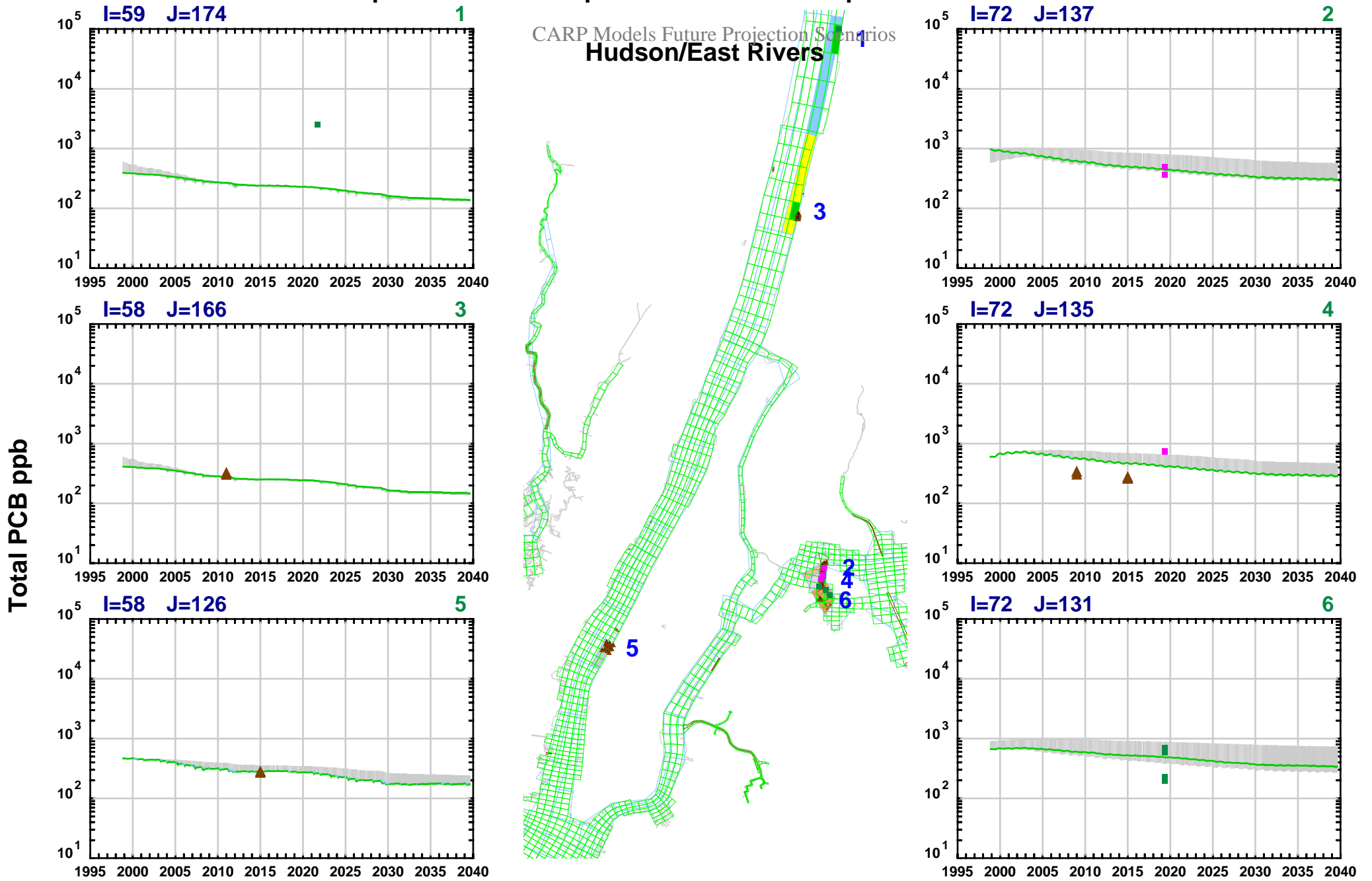


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

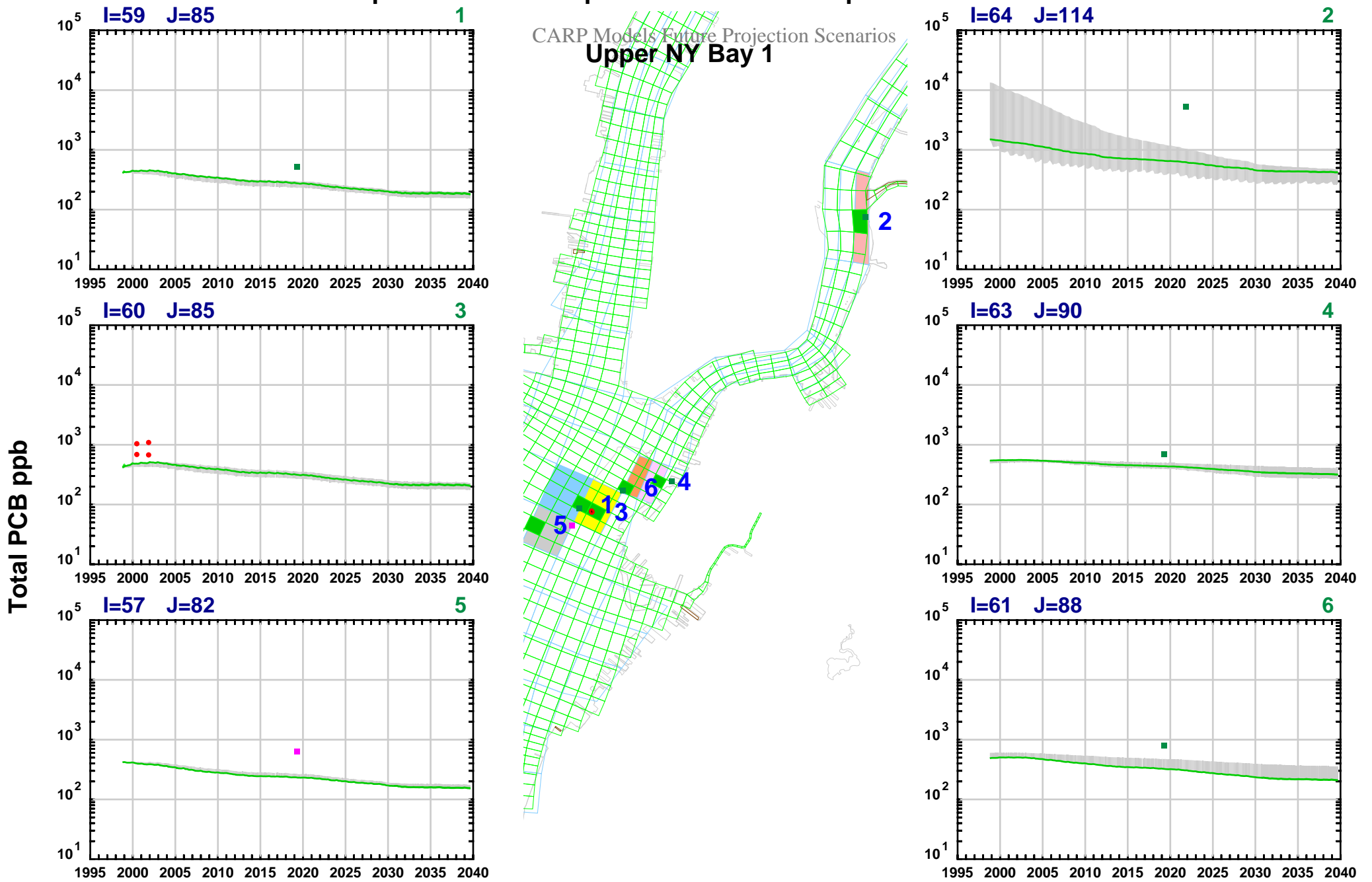


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

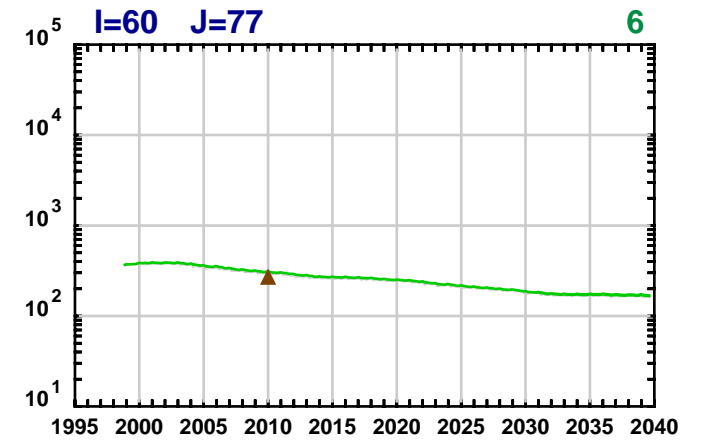
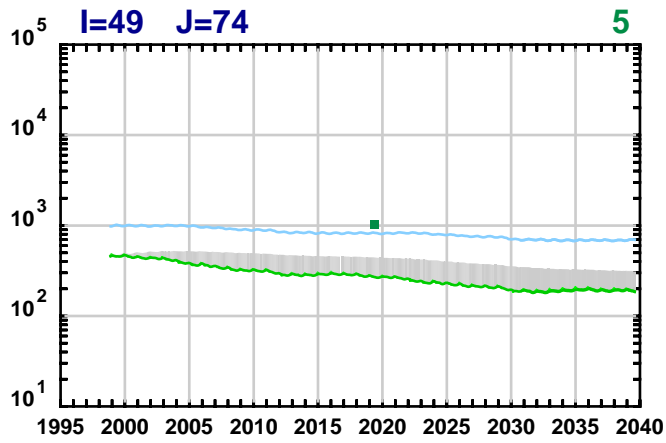
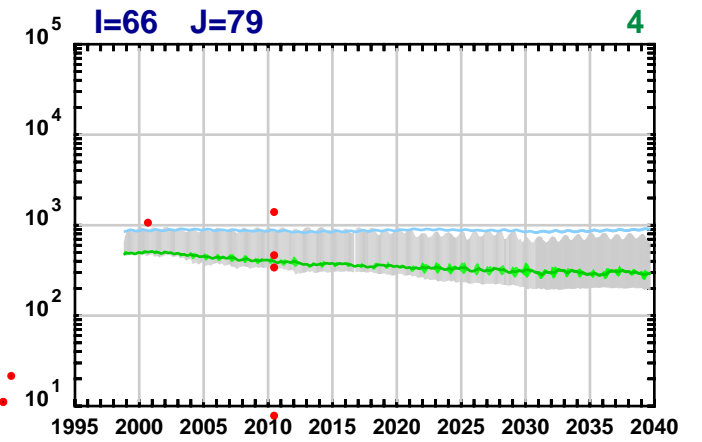
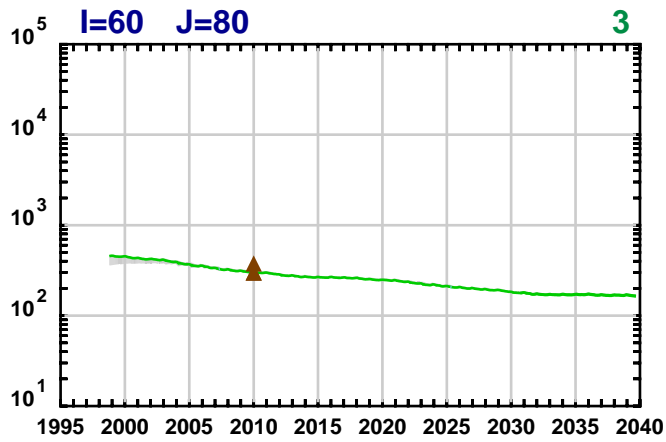
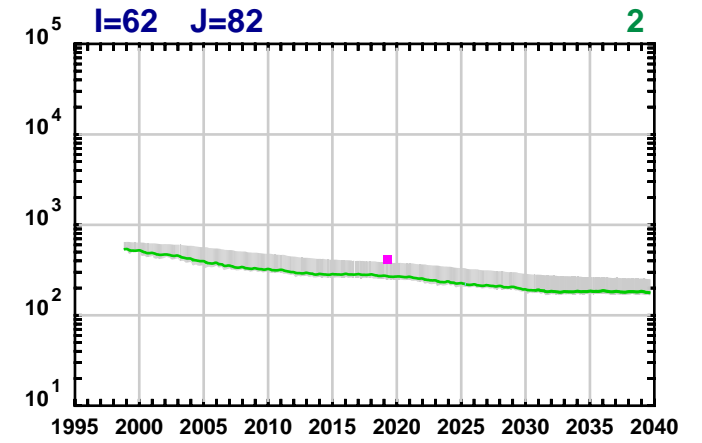
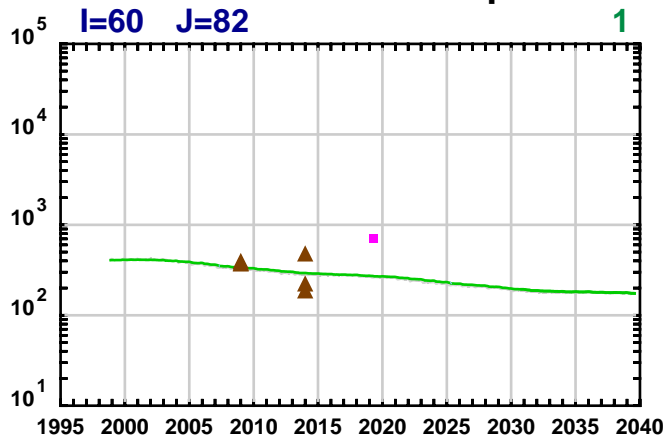
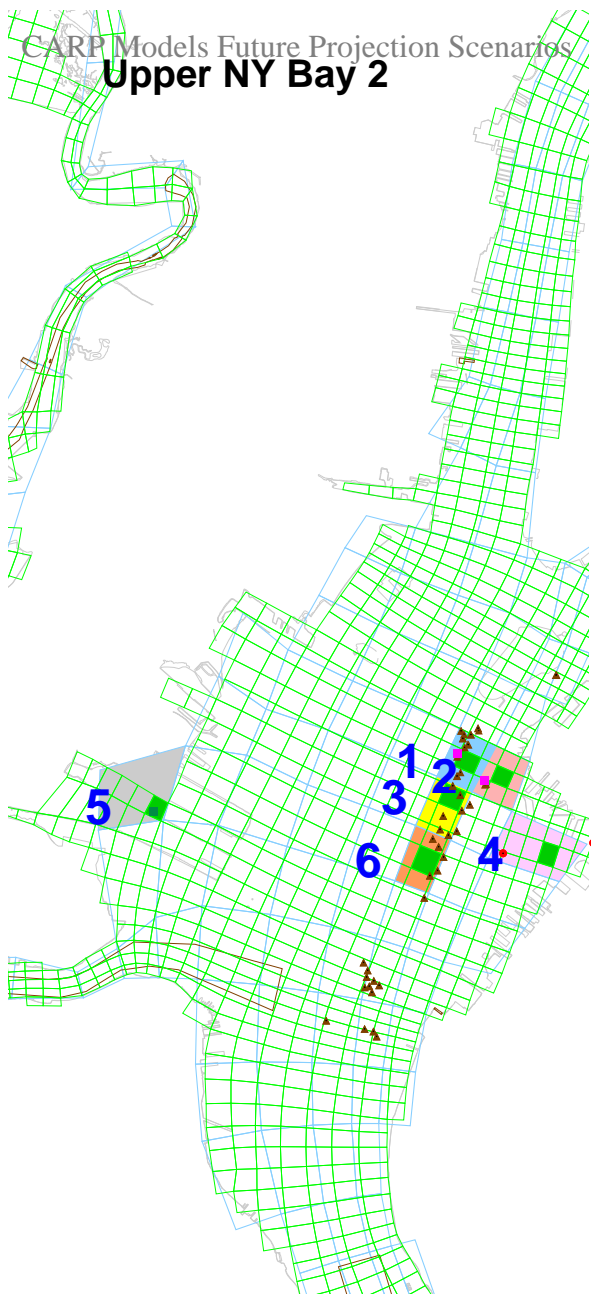


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



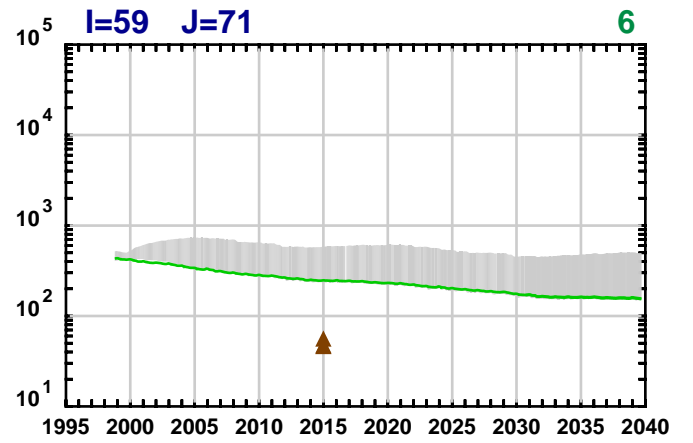
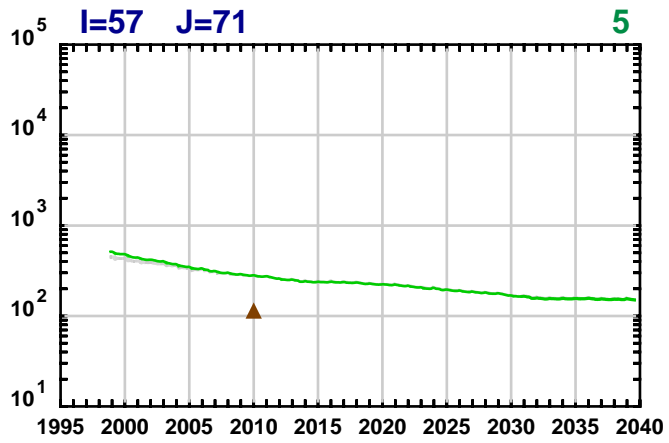
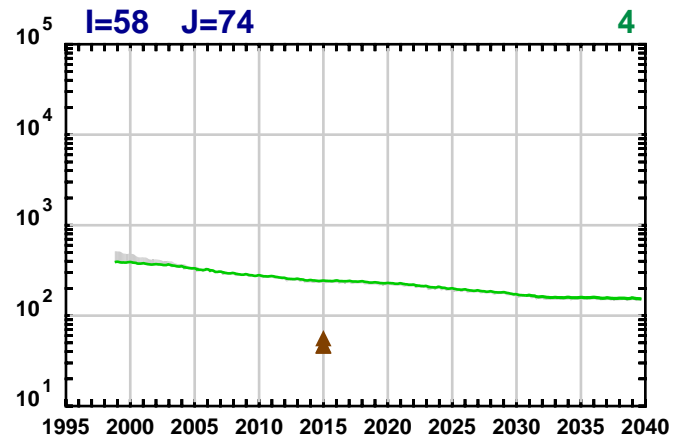
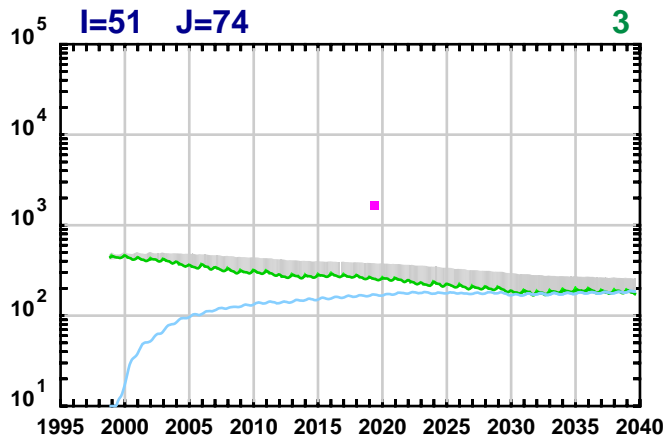
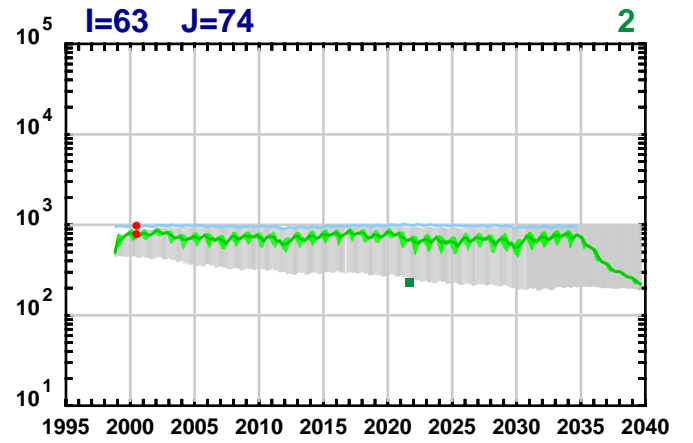
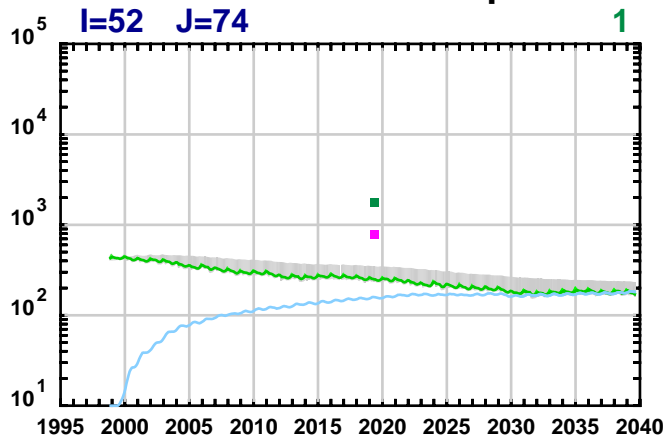
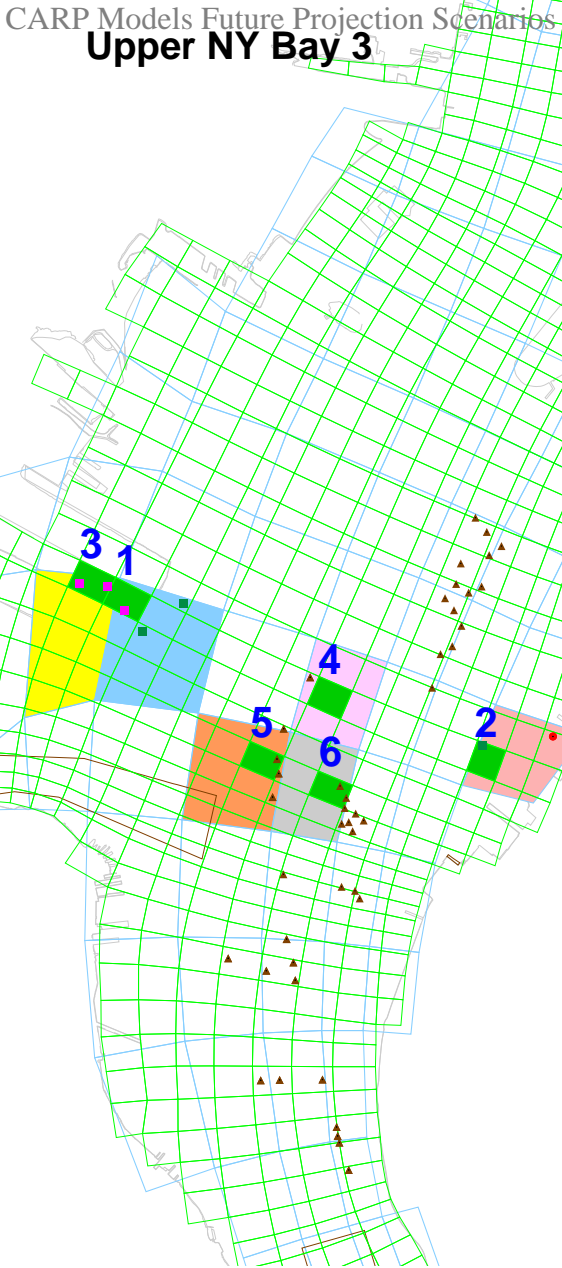
Total PCB ppb

RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



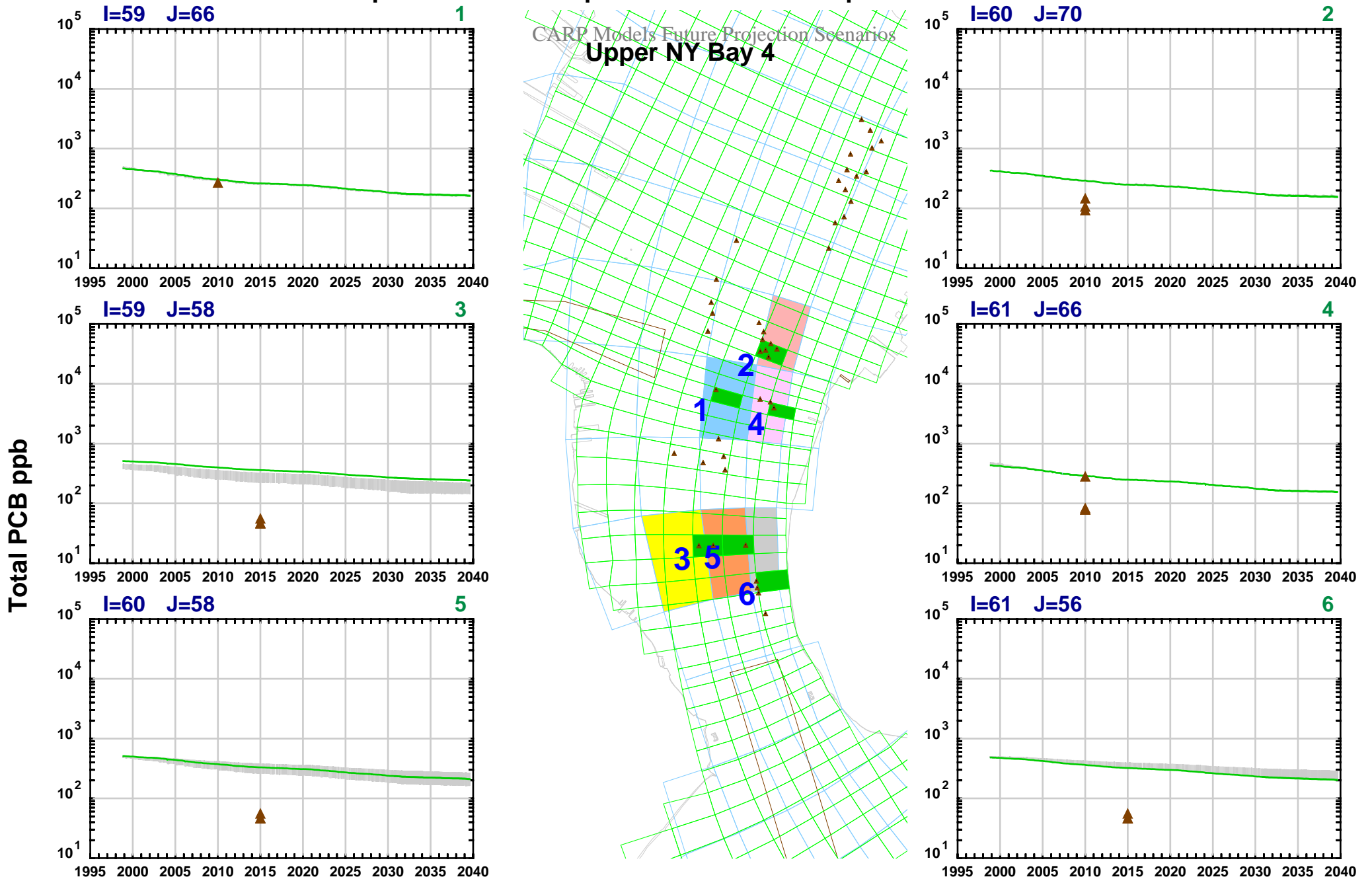
Total PCB ppb

RUN18_PROJ01_PROJ02_R1

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

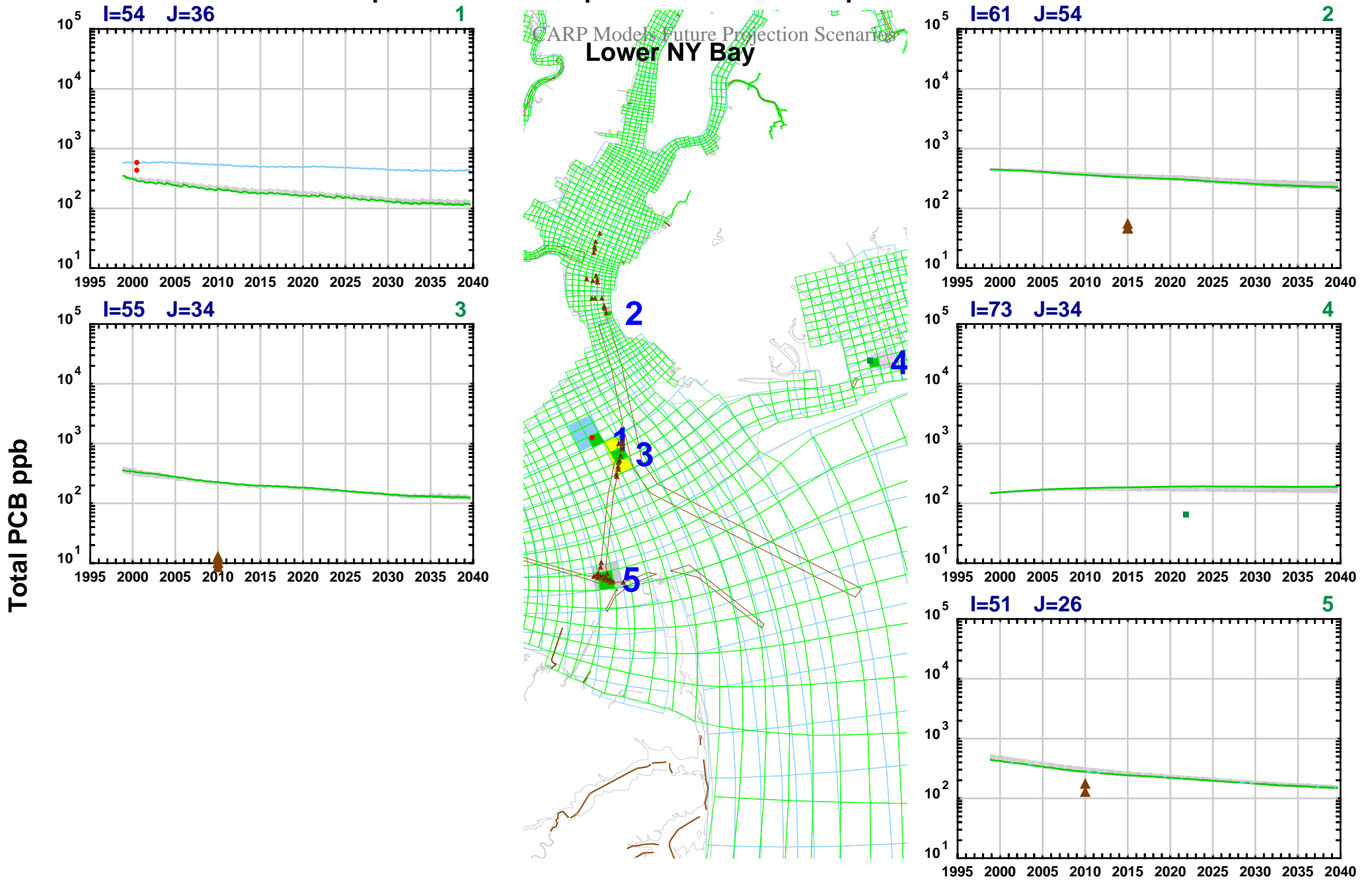
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment



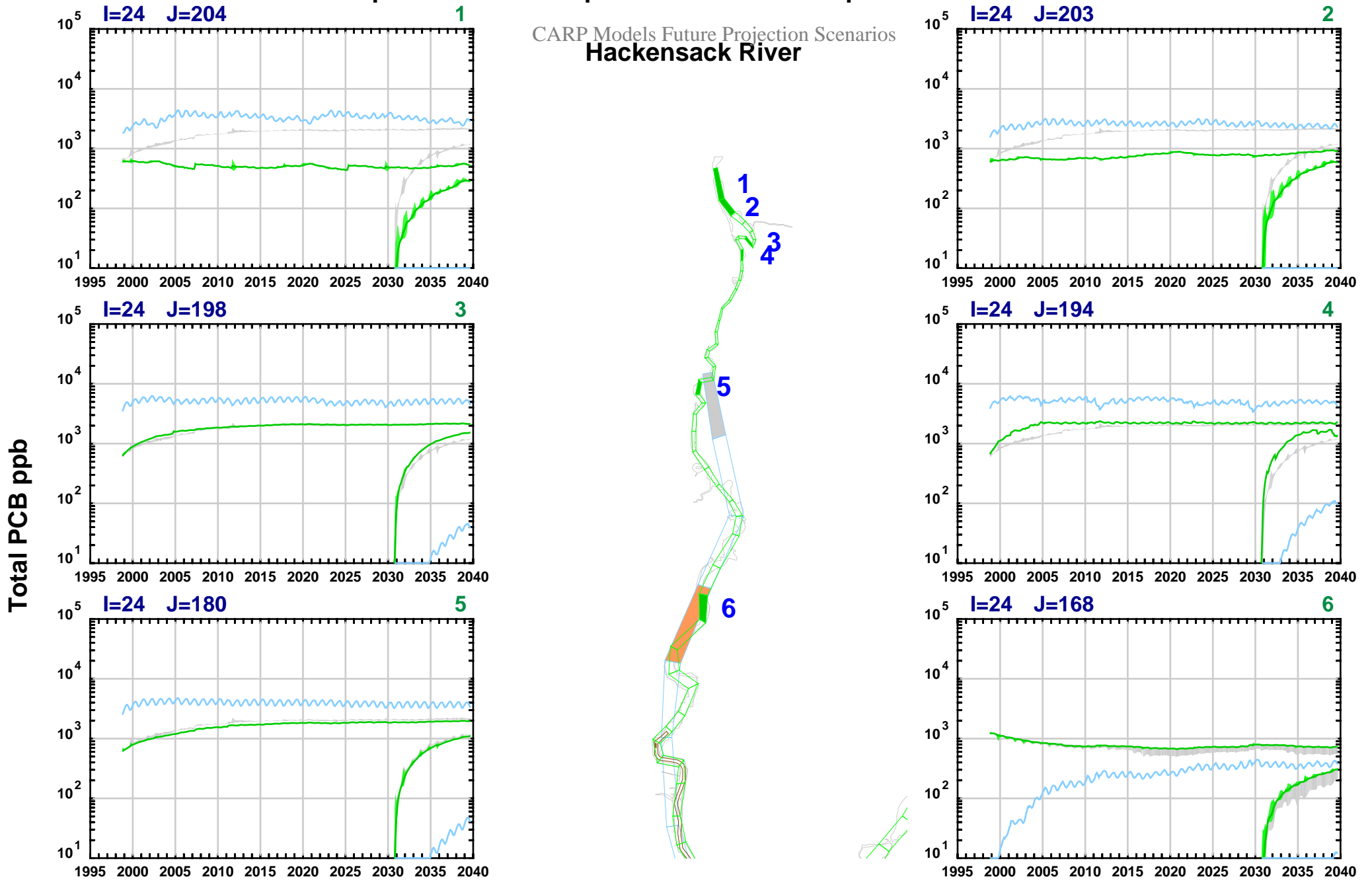
RUN18_PROJ01_PROJ02_R1

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

● In-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

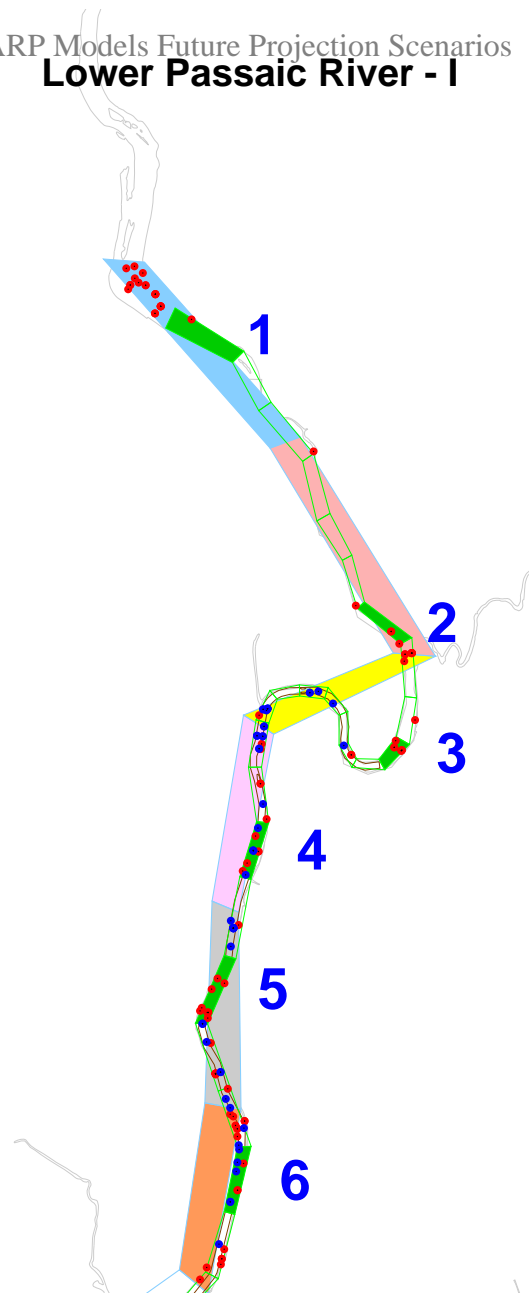
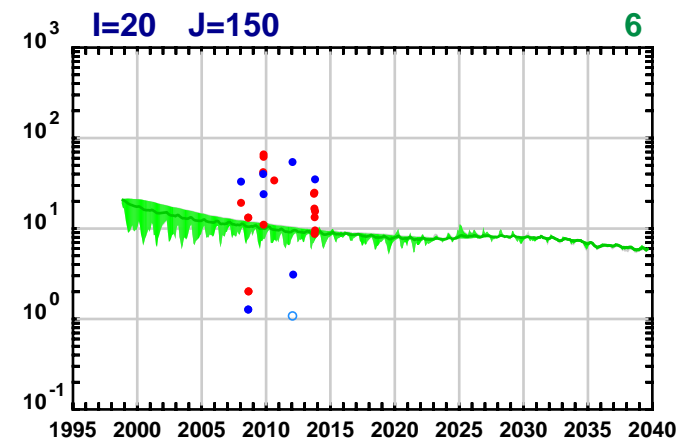
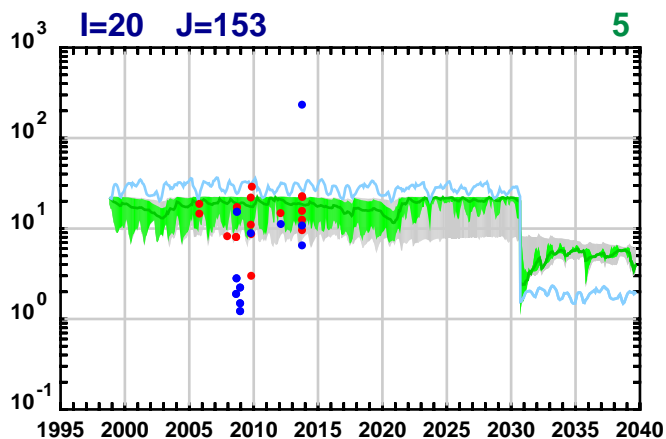
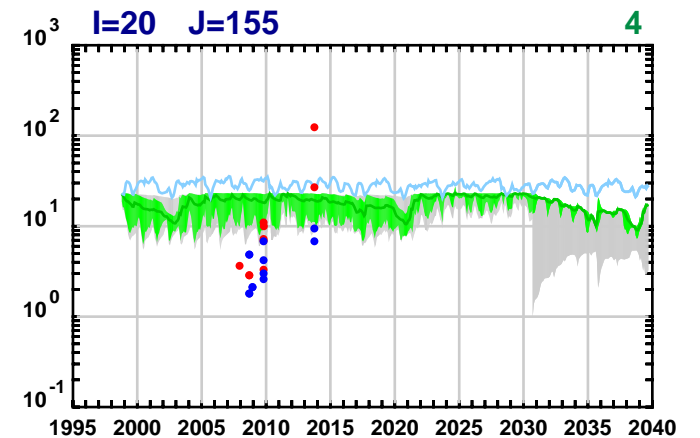
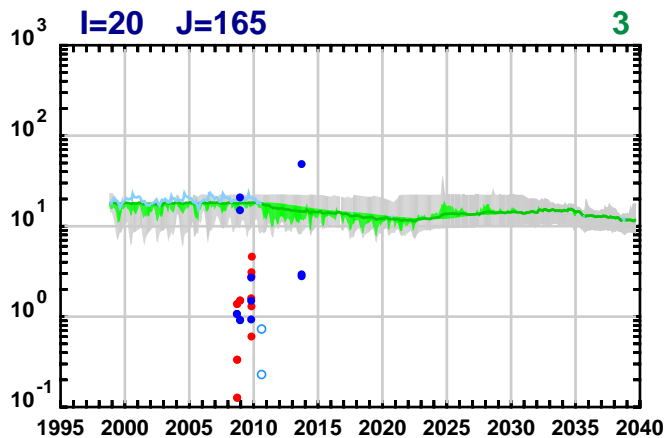
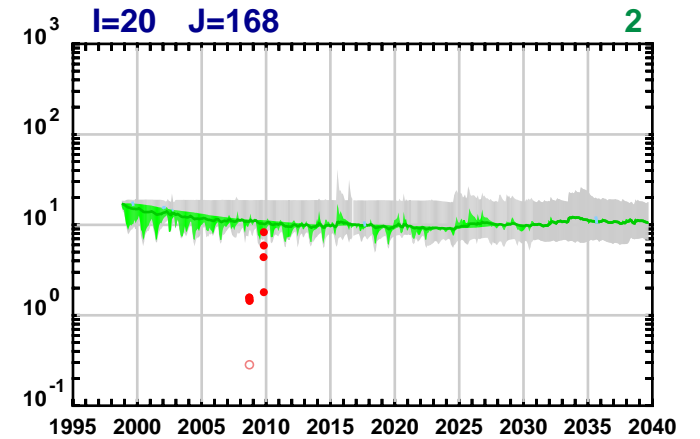
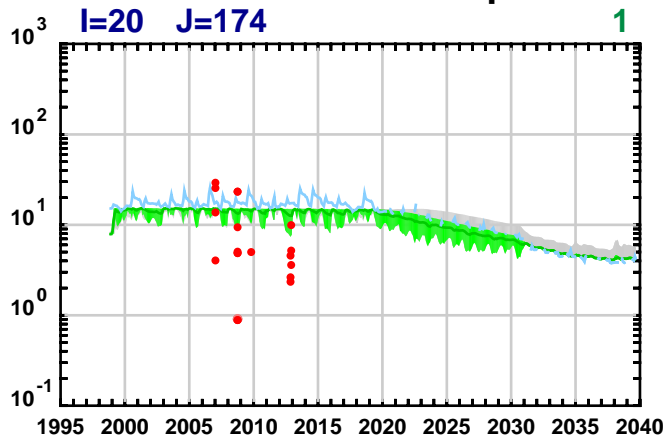
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-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

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

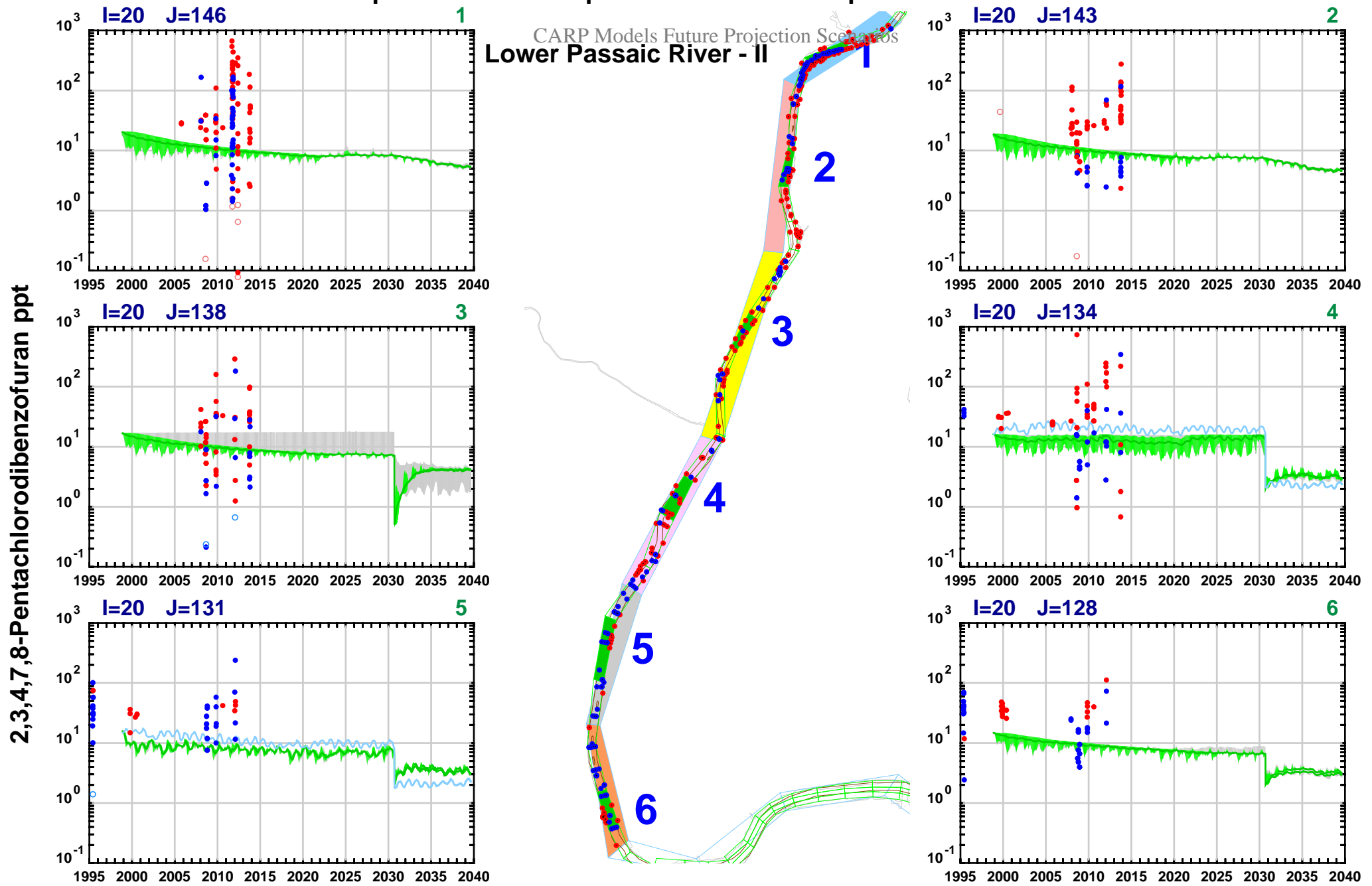


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

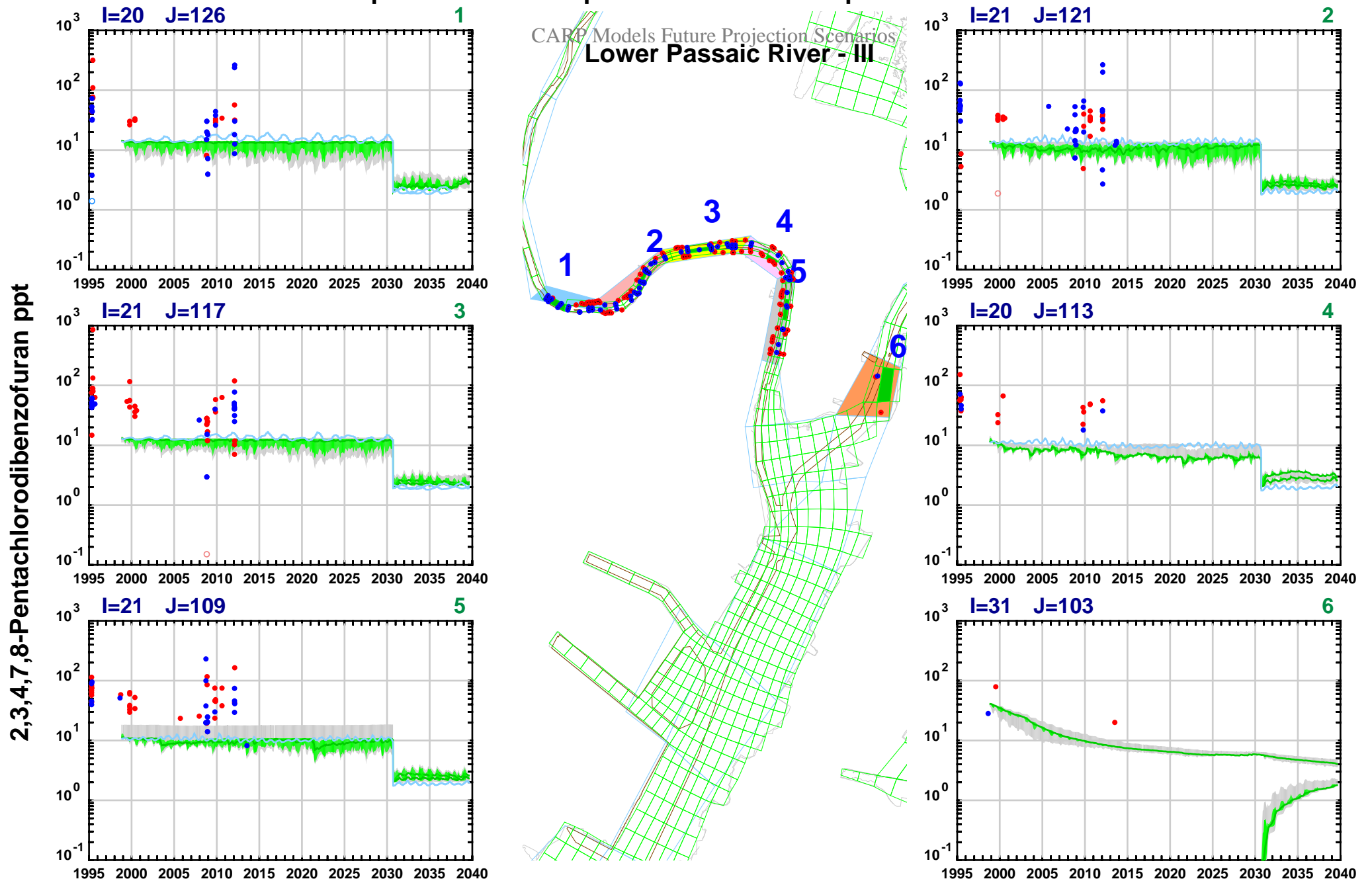


RUN18_PROJ01_PROJ02_R1

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

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

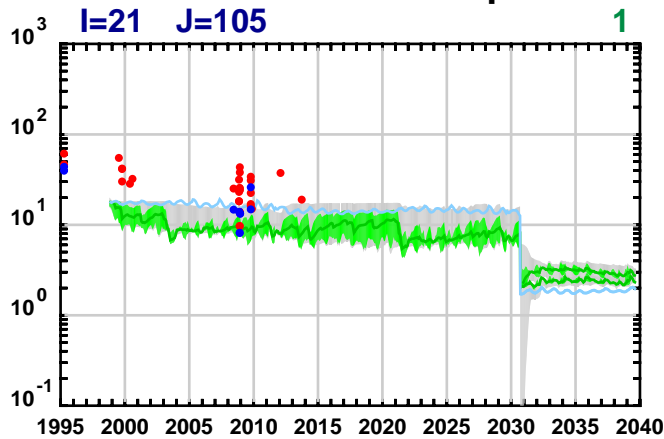
Top 15 cm data comparison with model top 10 cm sediment



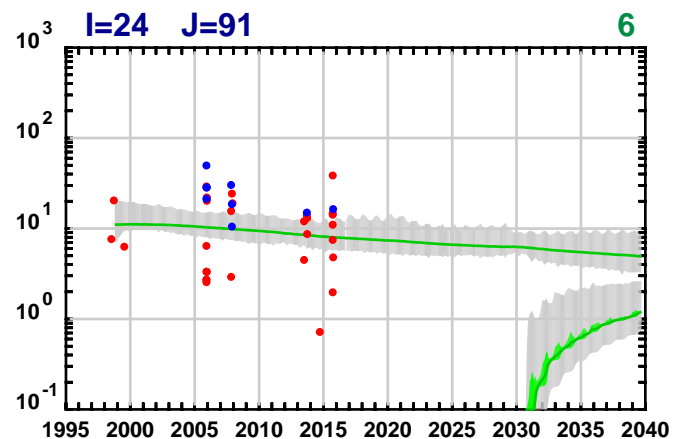
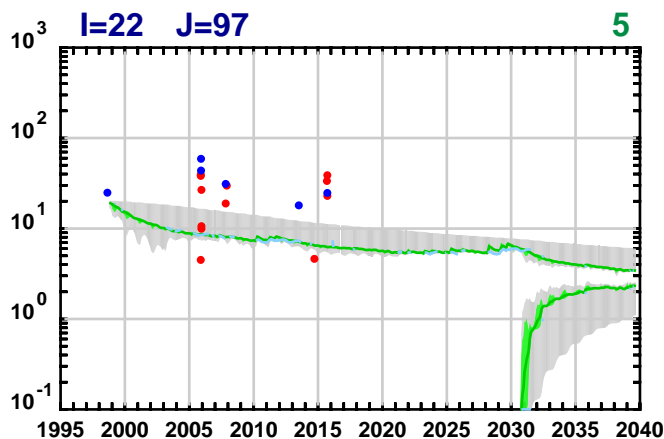
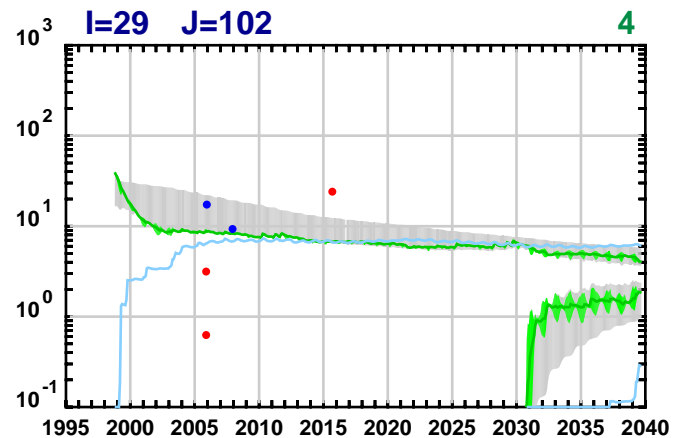
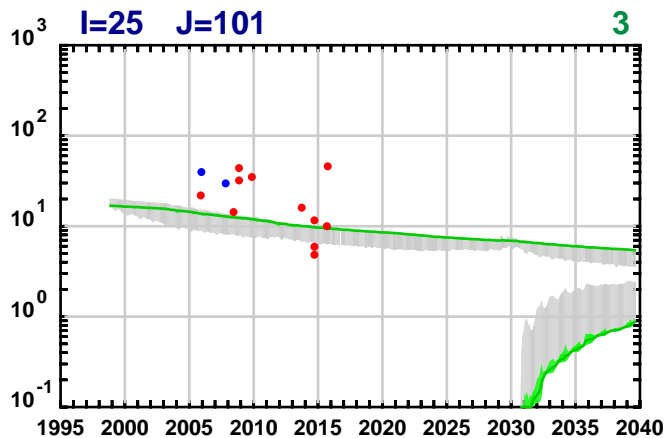
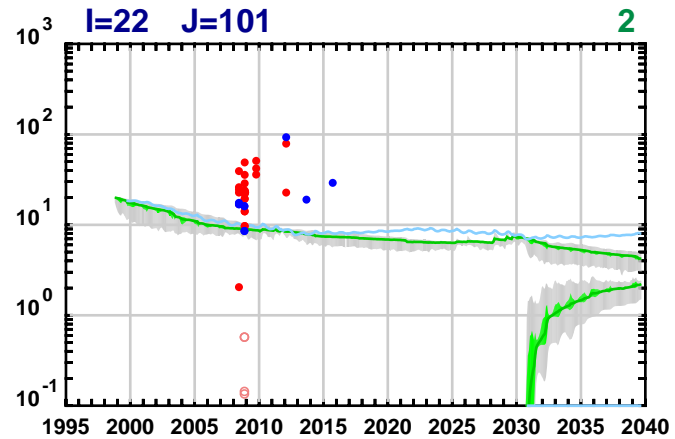
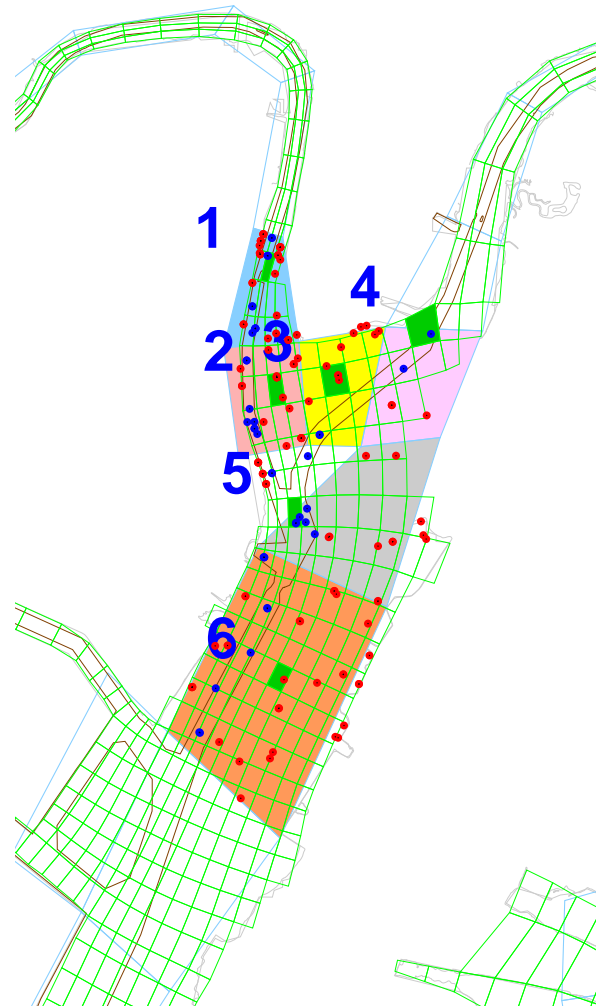
RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

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



CARP Models Future Projection Scenarios
Upper Newark Bay



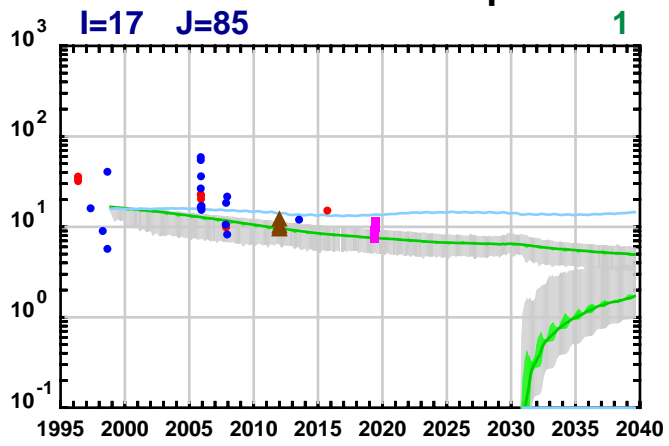
RUN18_PROJ01_PROJ02_R1

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

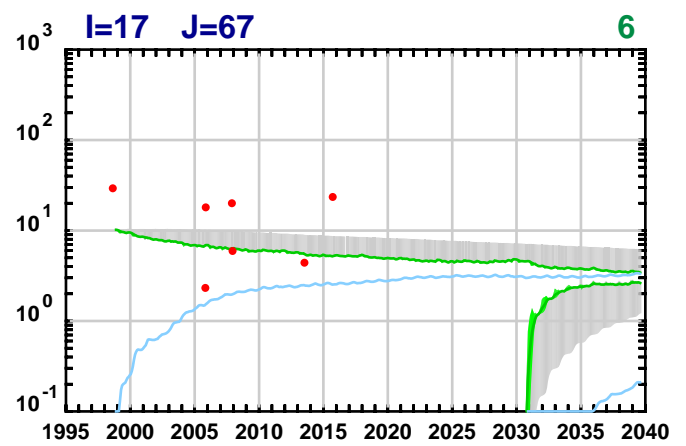
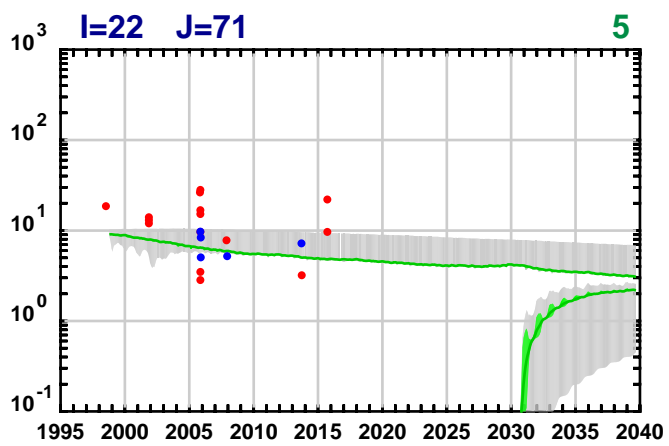
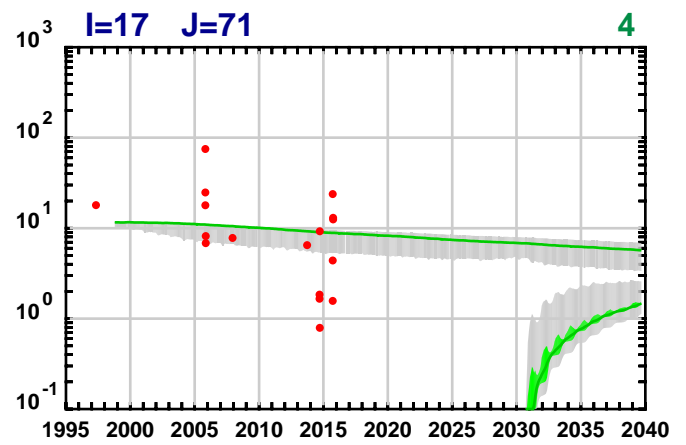
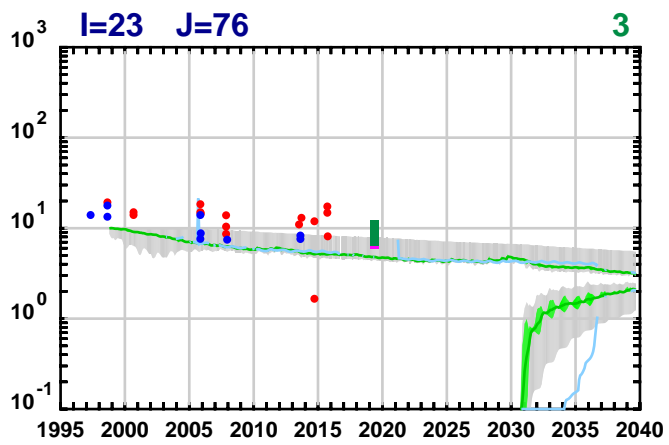
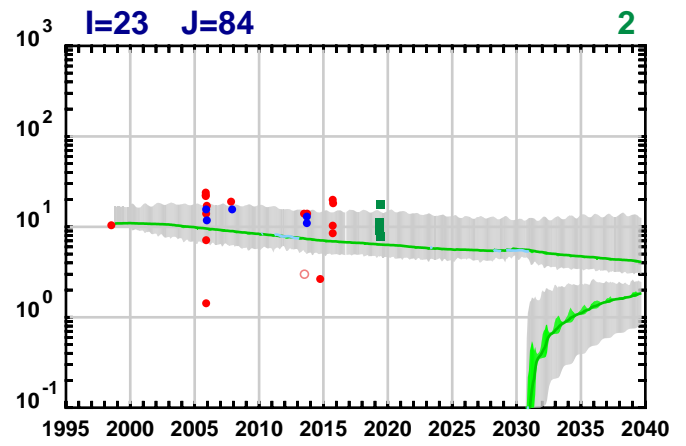
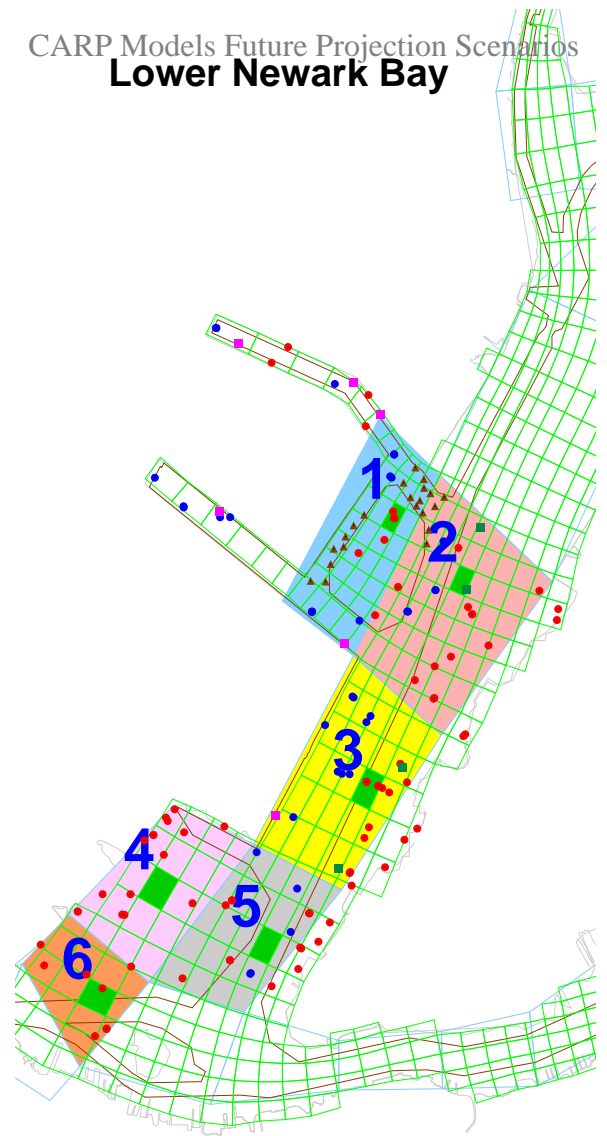
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

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



CARP Models Future Projection Scenarios
Lower Newark Bay



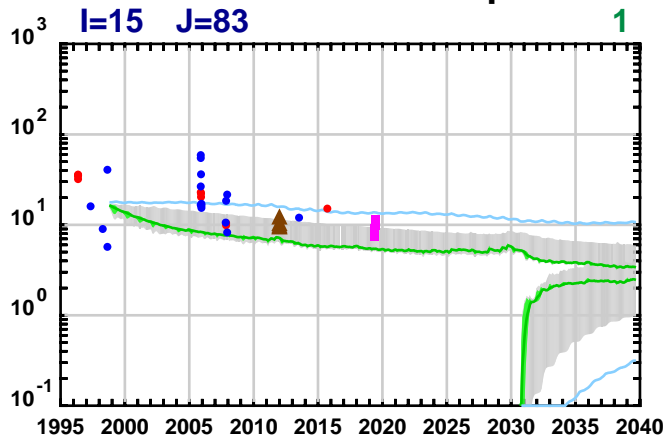
RUN18_PROJ01_PROJ02_R1

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

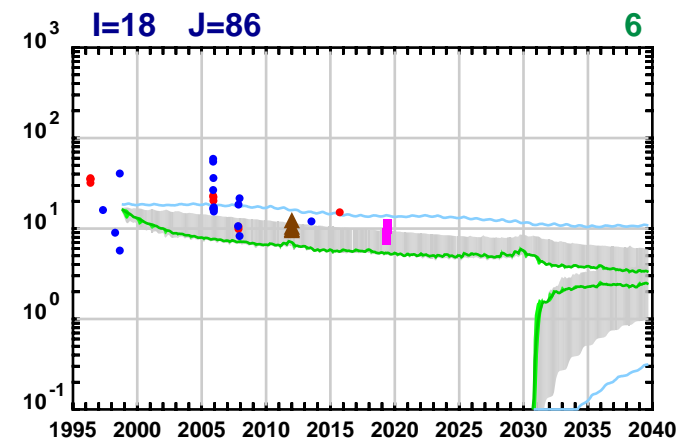
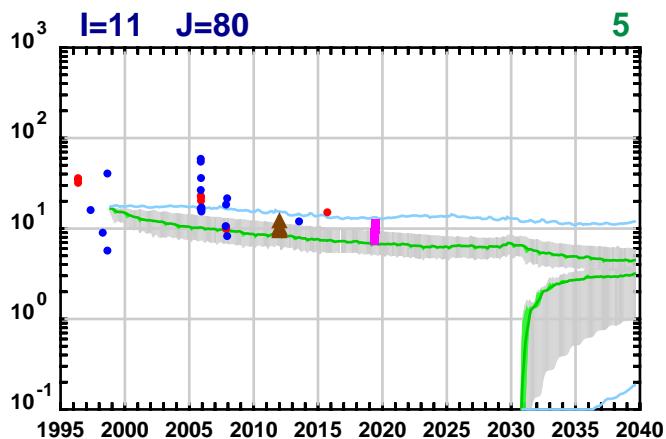
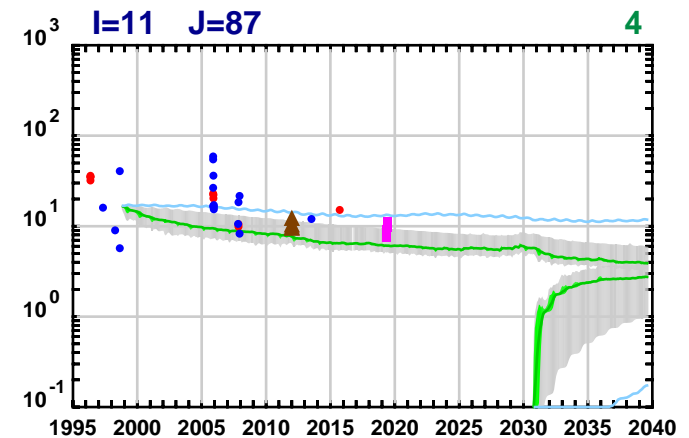
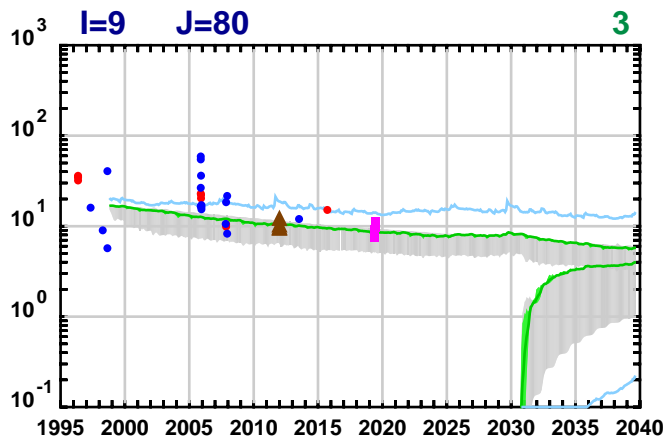
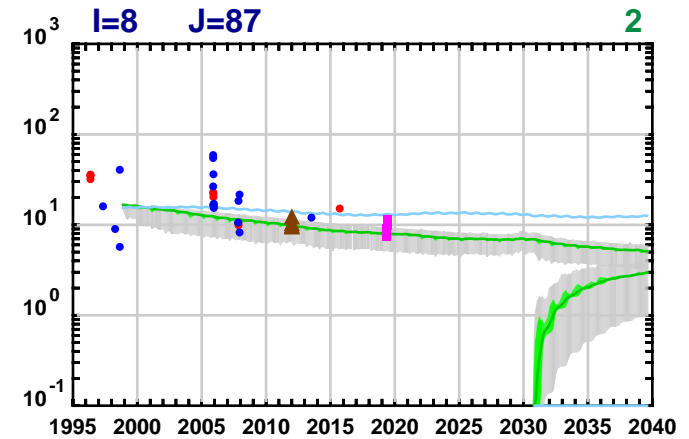
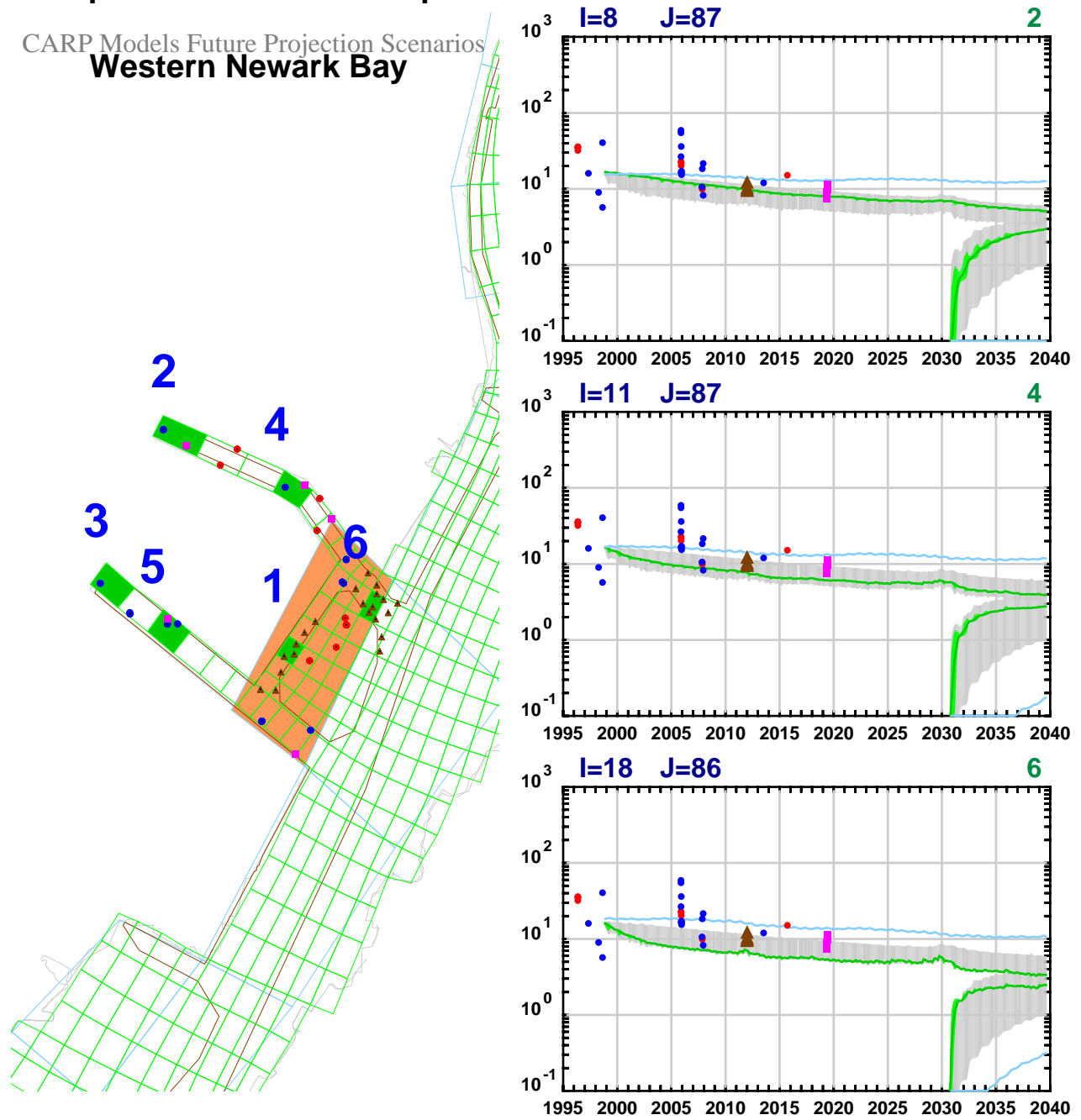
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

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



CARP Models Future Projection Scenarios
Western Newark Bay



RUN18_PROJ01_PROJ02_R1

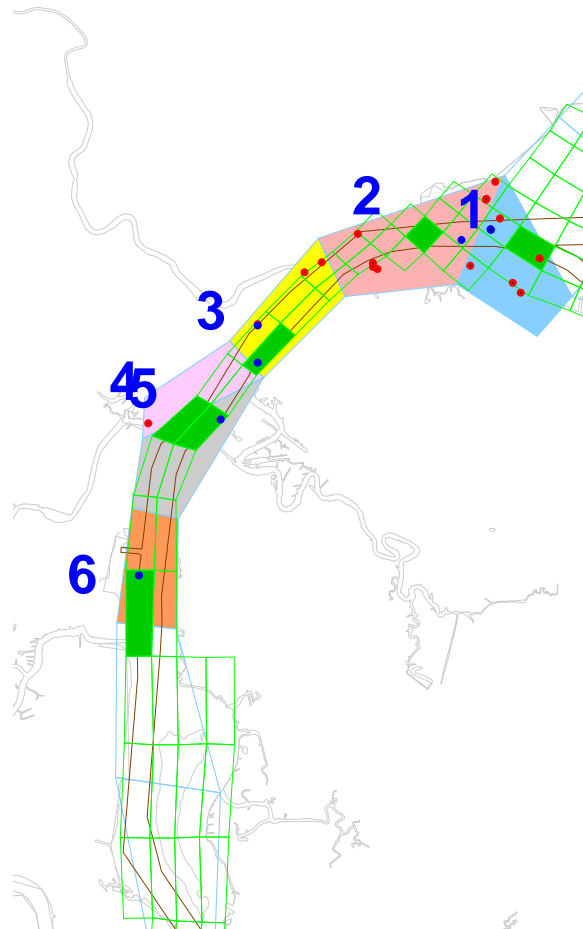
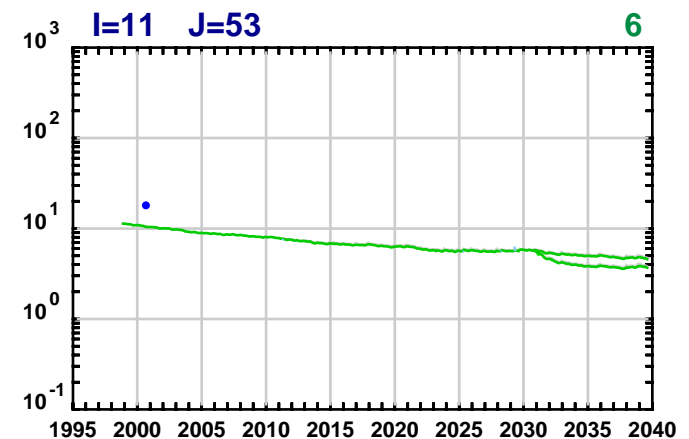
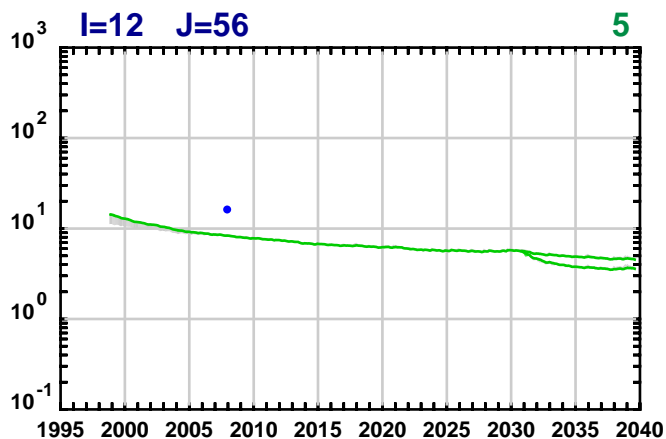
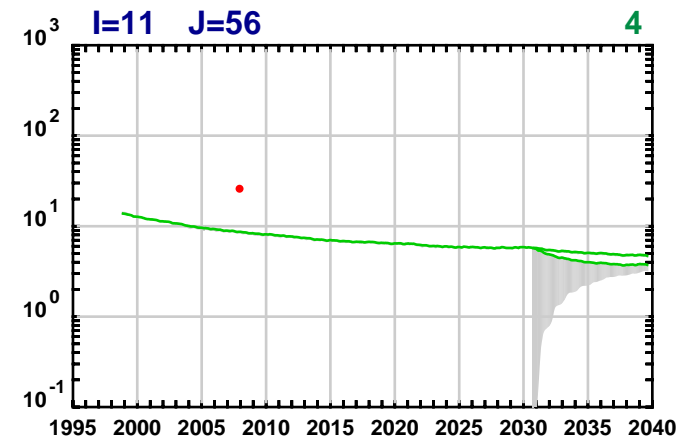
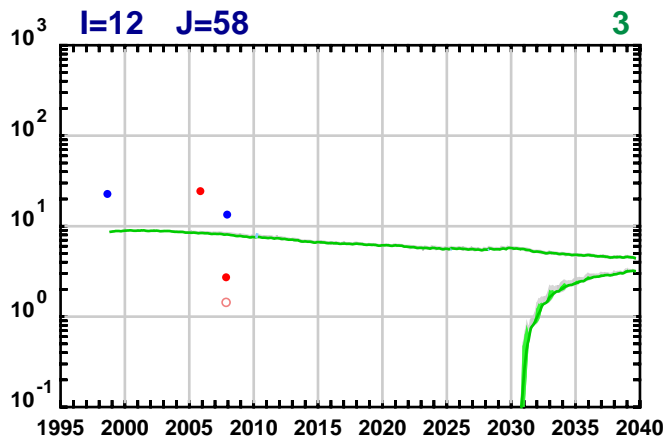
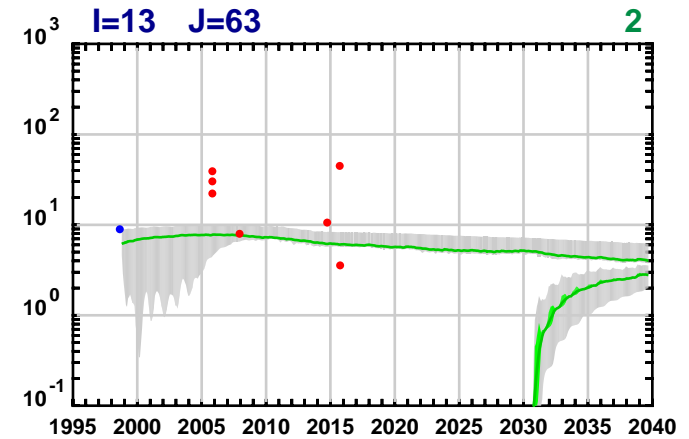
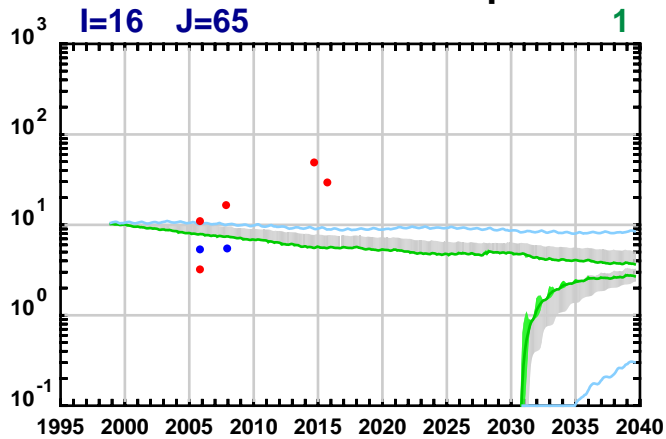
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-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

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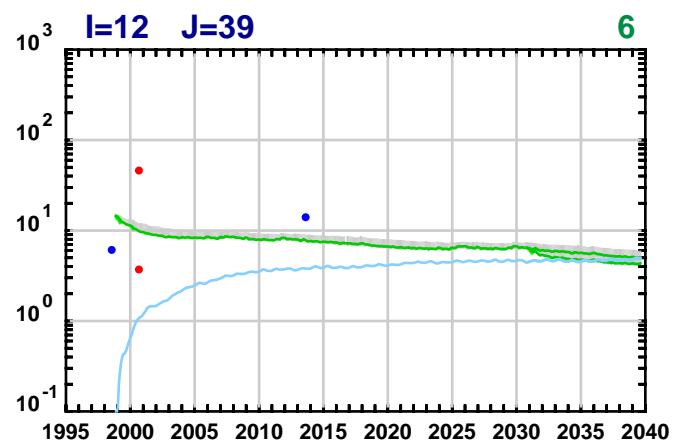
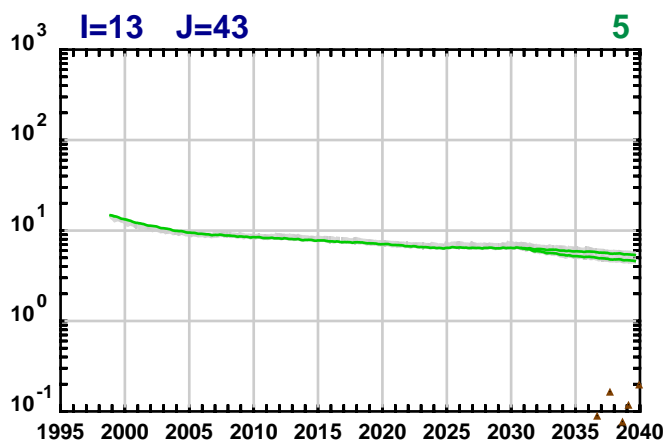
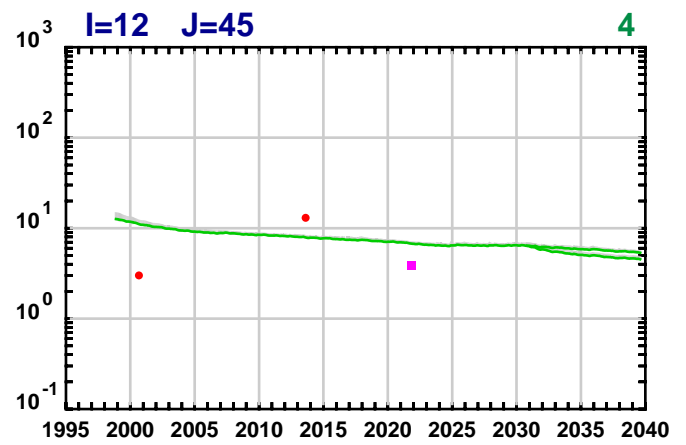
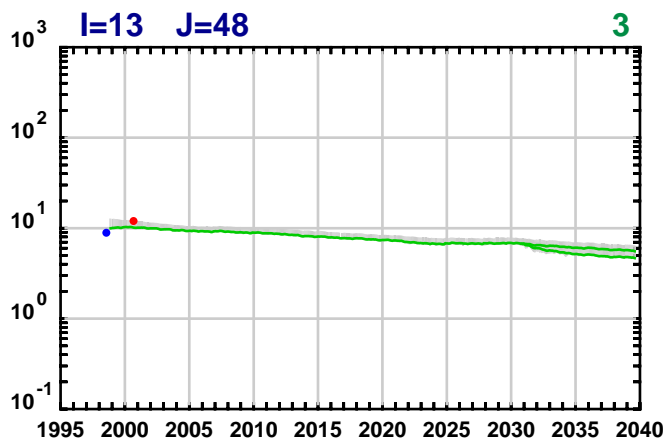
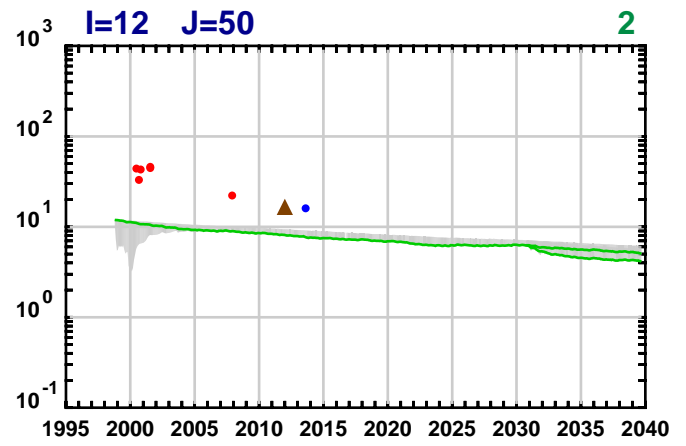
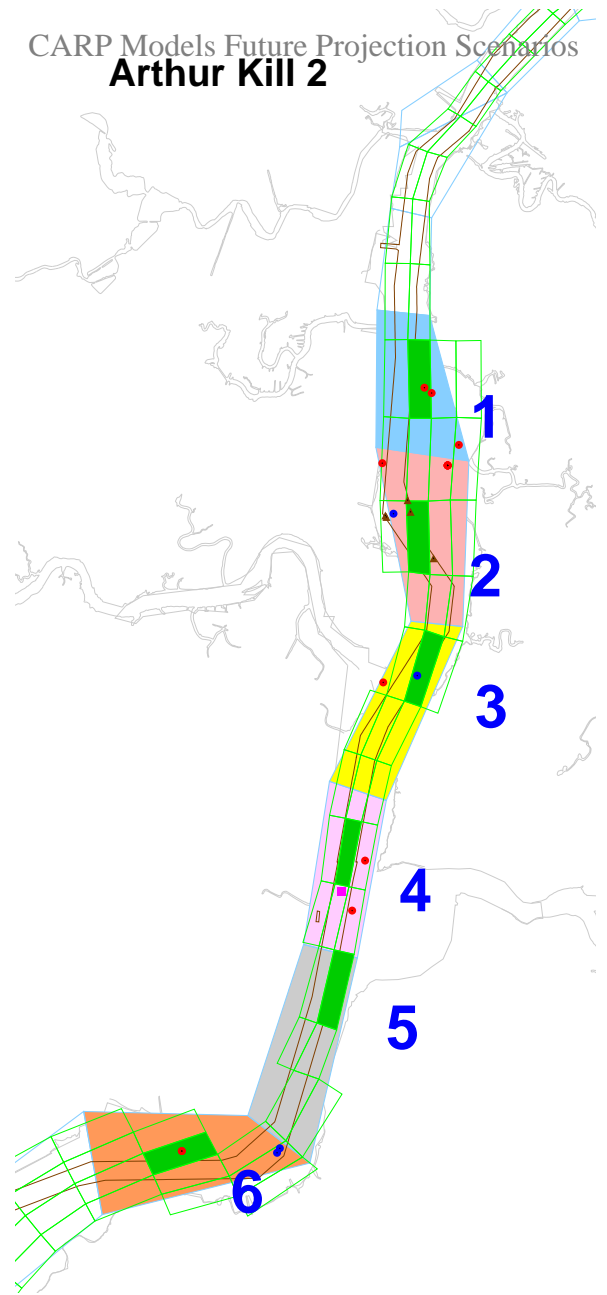
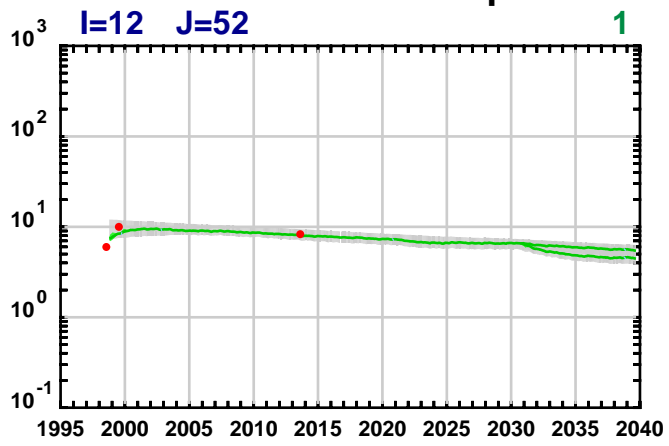
RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

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

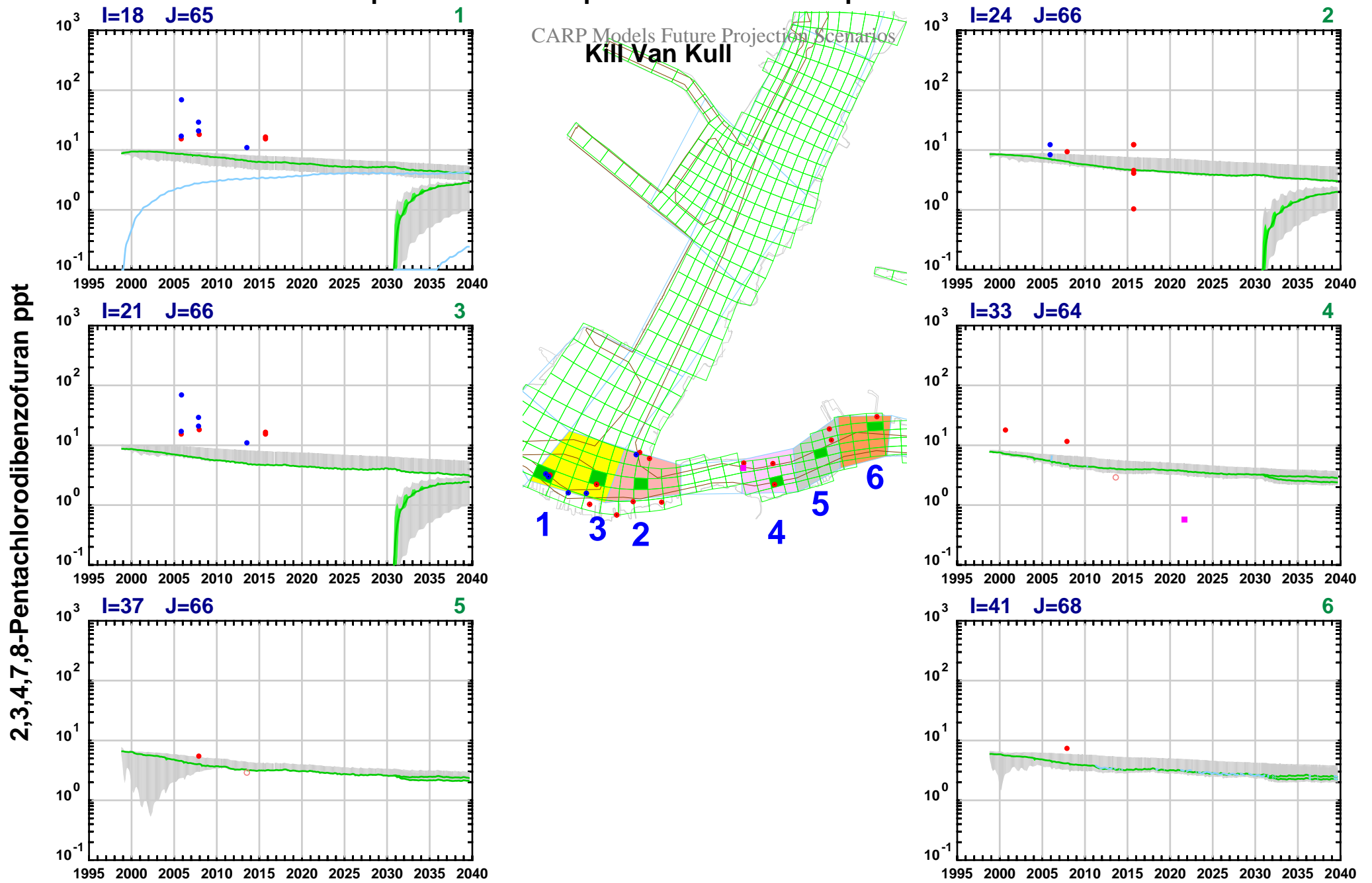


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



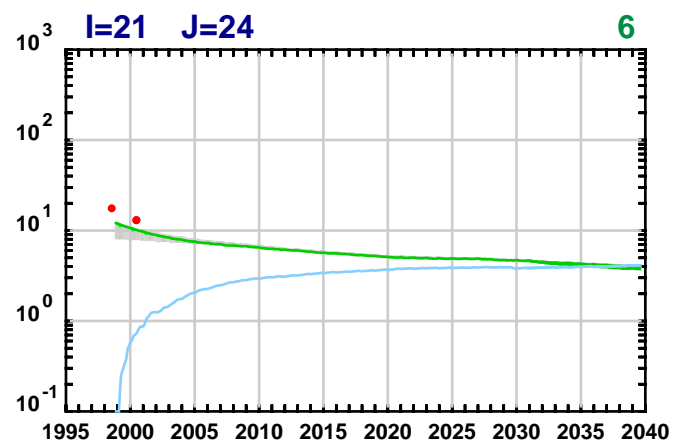
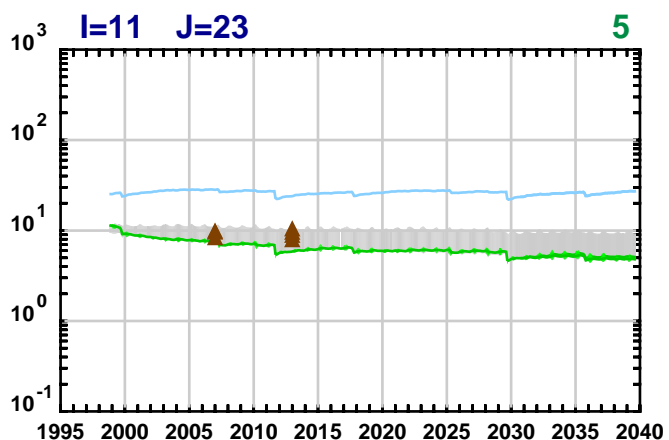
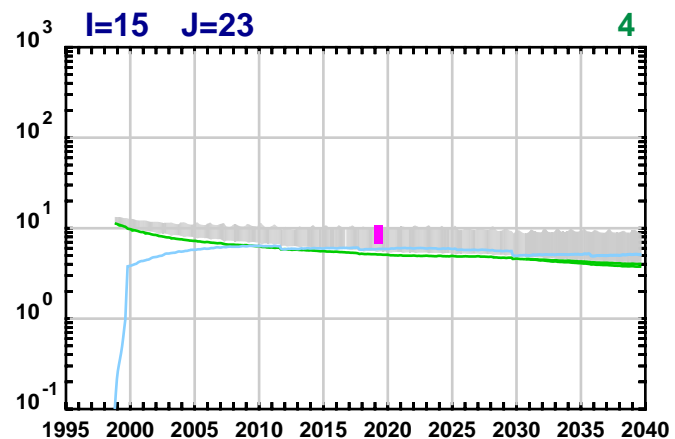
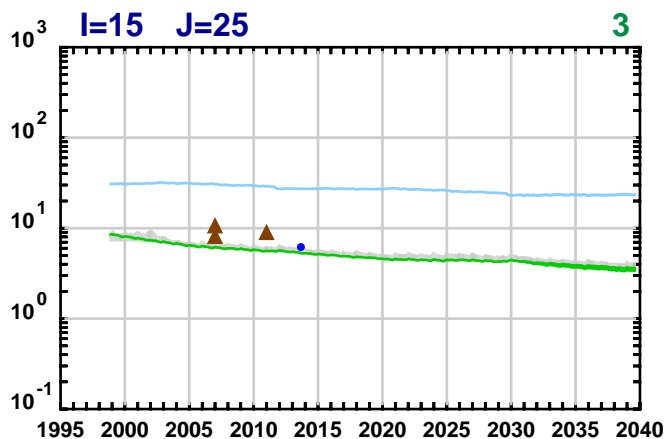
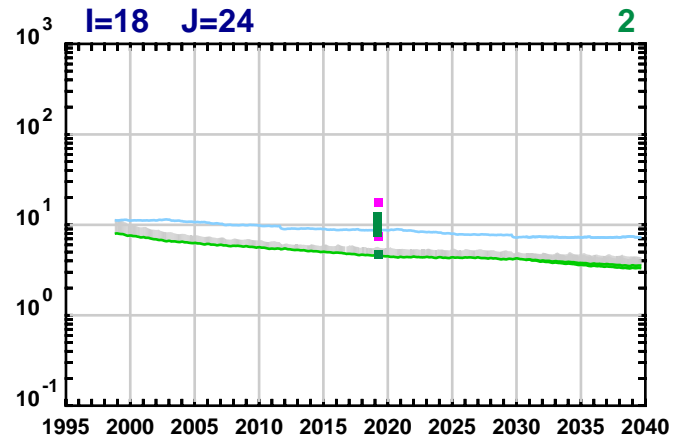
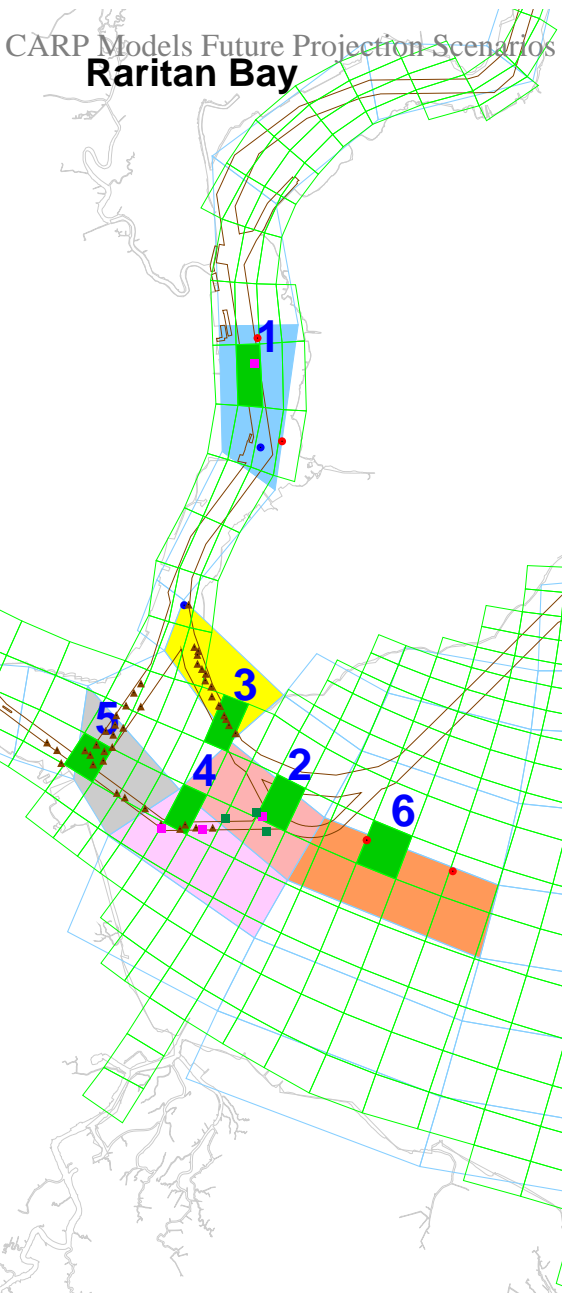
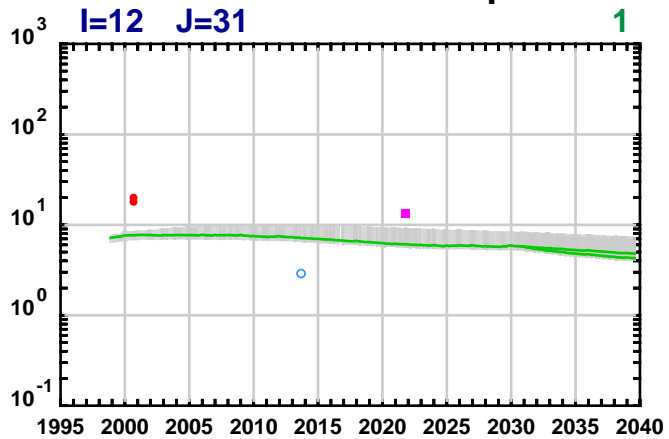
RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

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



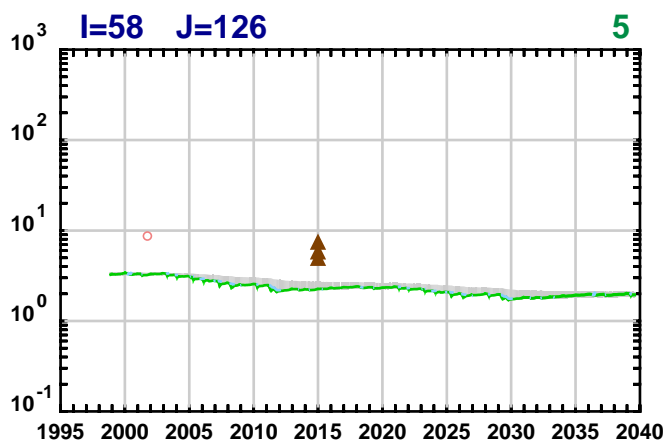
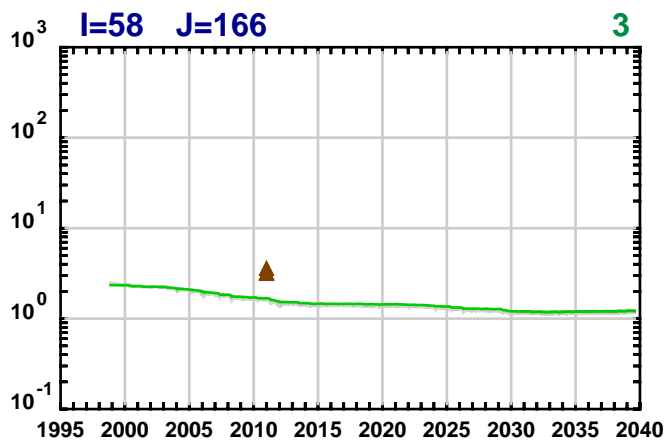
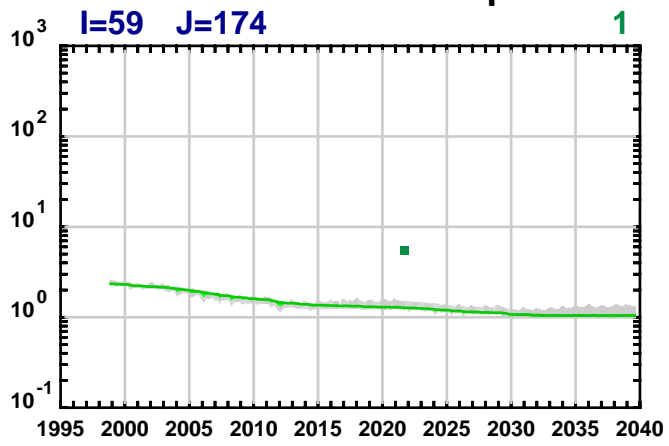
RUN18_PROJ01_PROJ02_R1

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

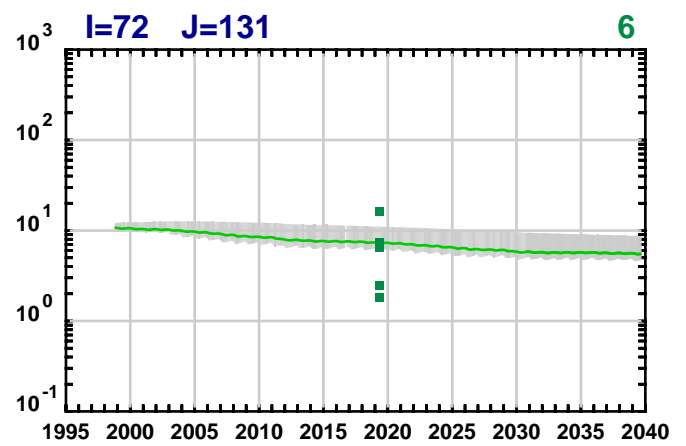
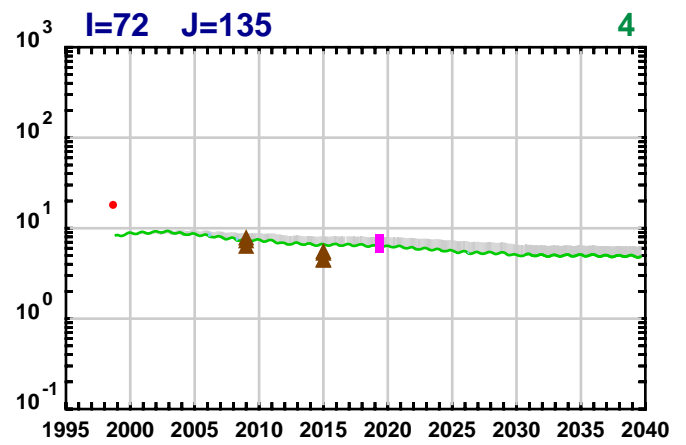
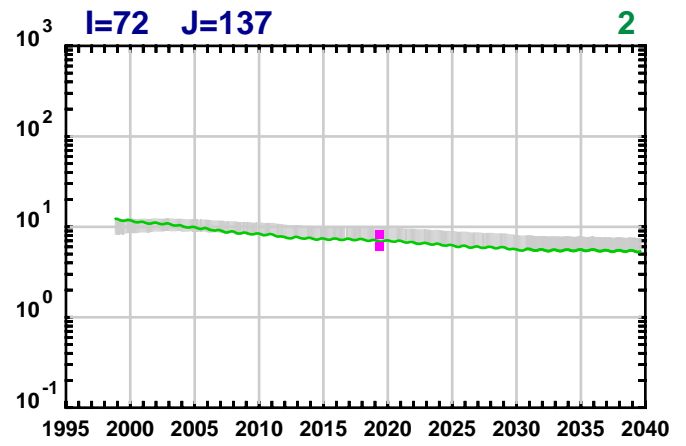
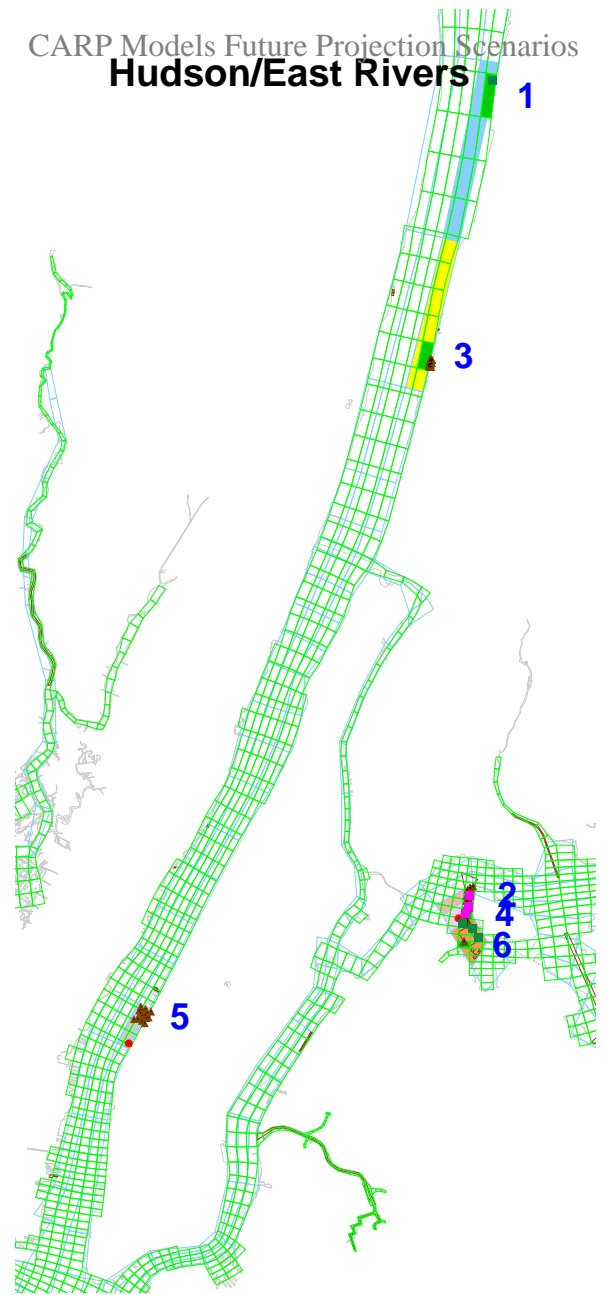
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

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



CARP Models Future Projection Scenarios
Hudson/East Rivers



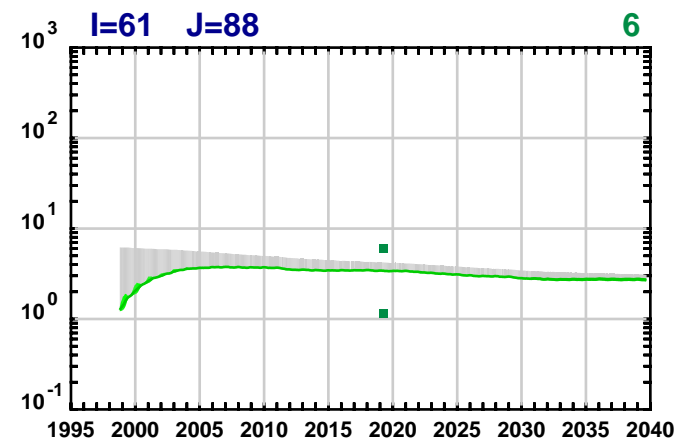
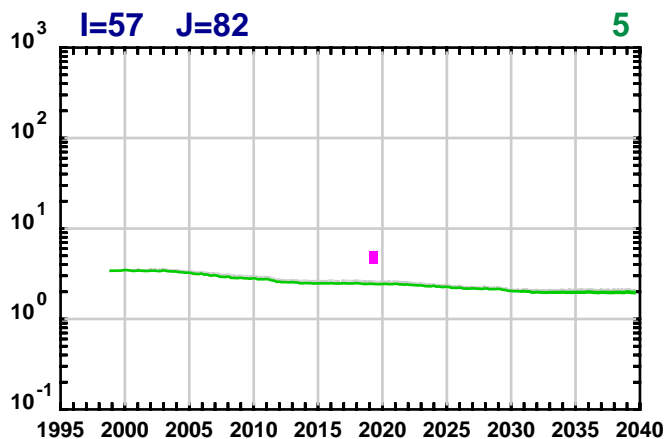
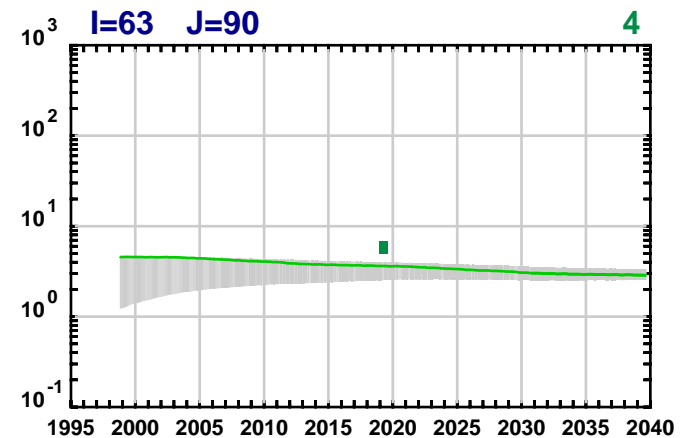
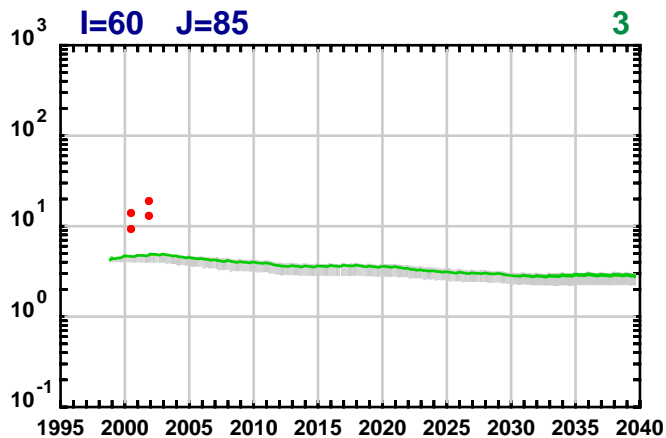
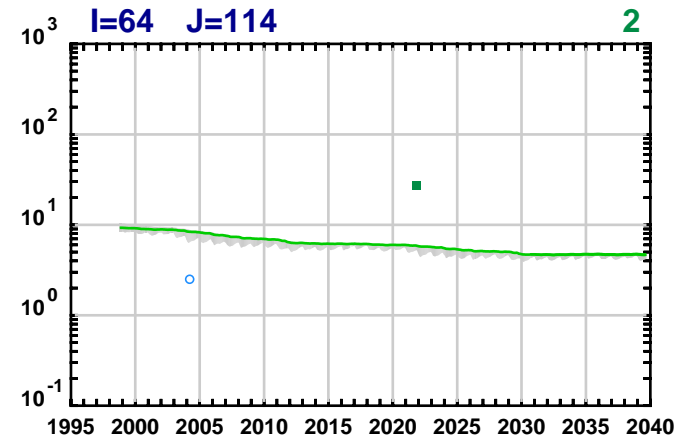
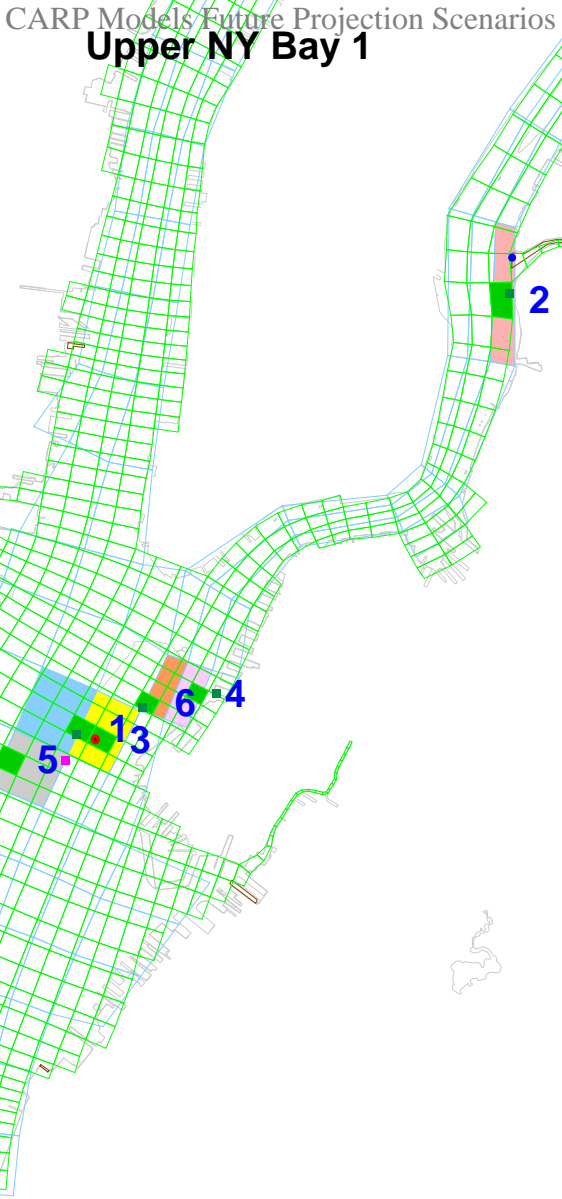
RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

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



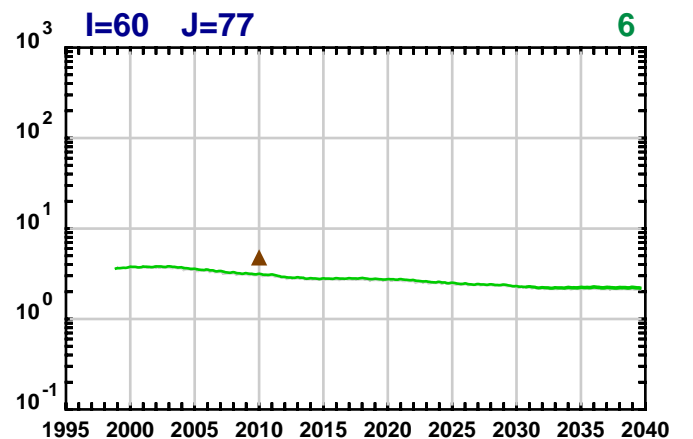
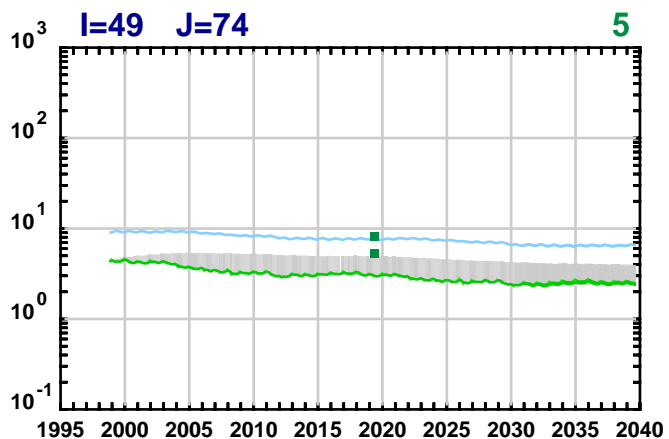
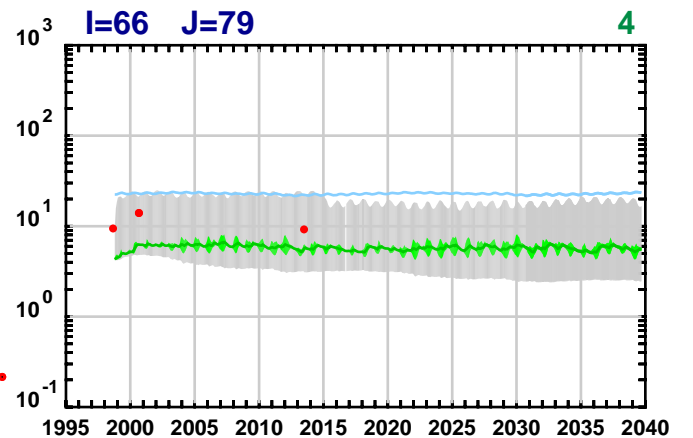
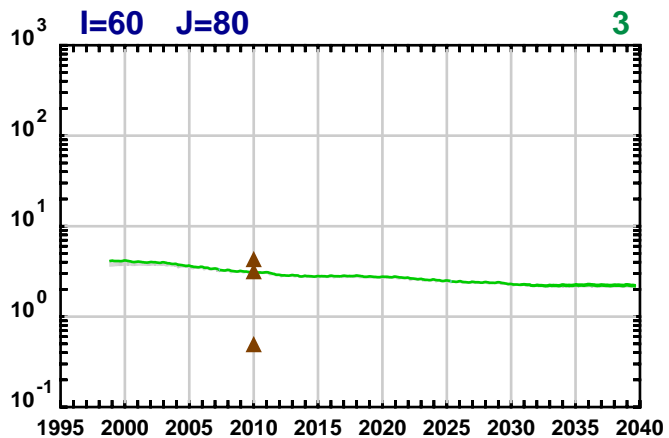
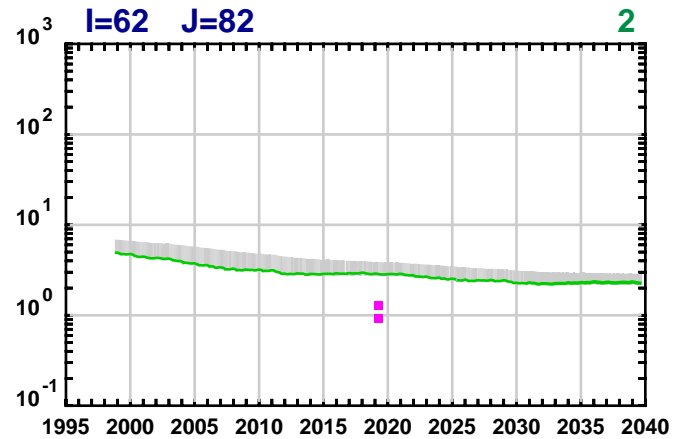
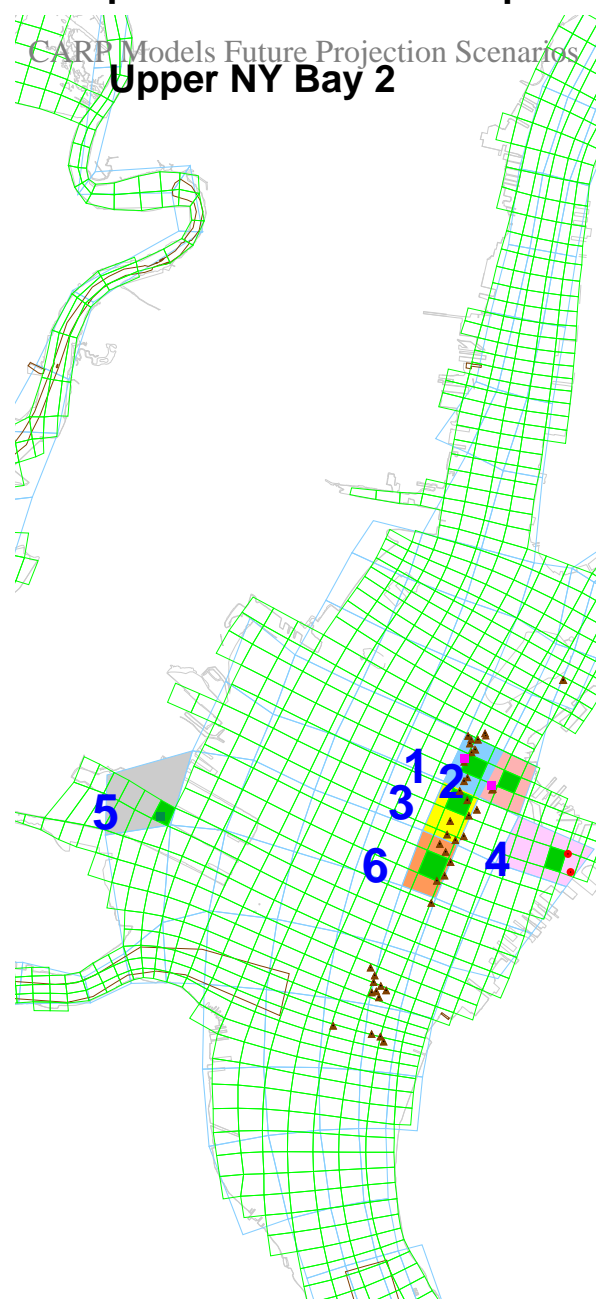
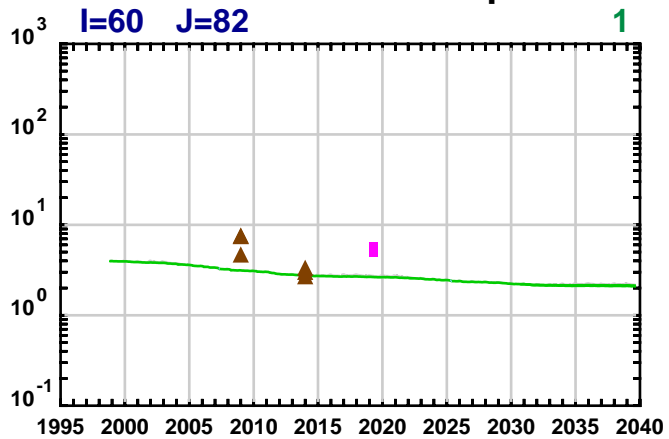
RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

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



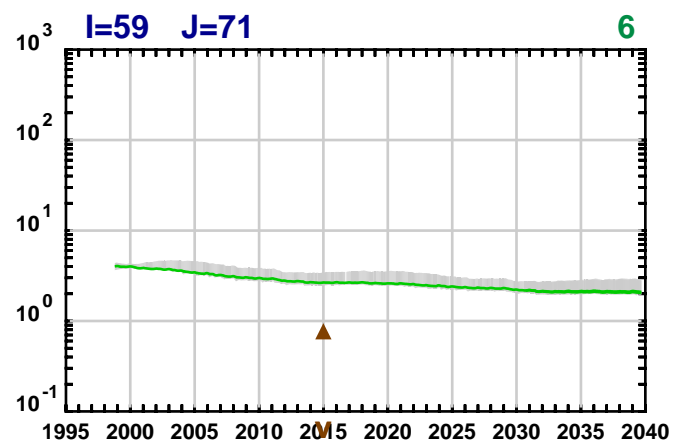
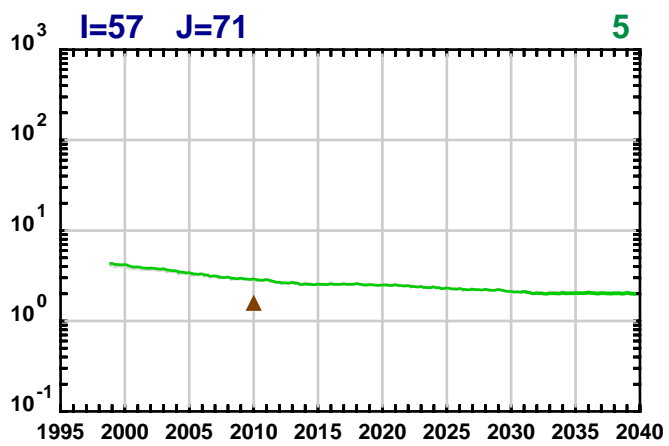
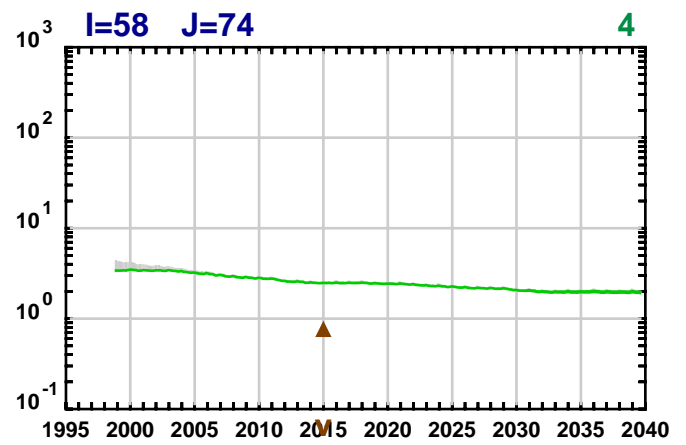
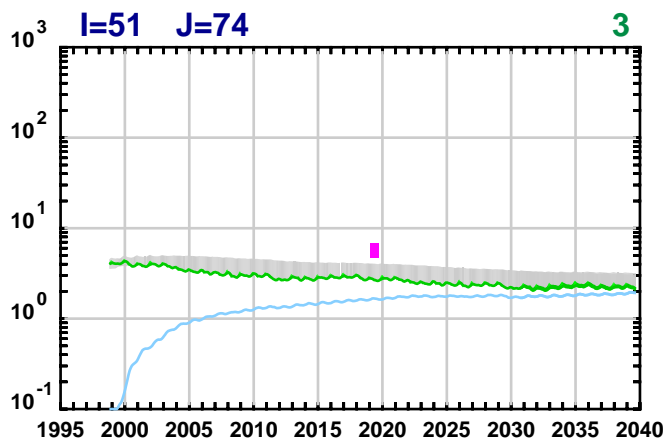
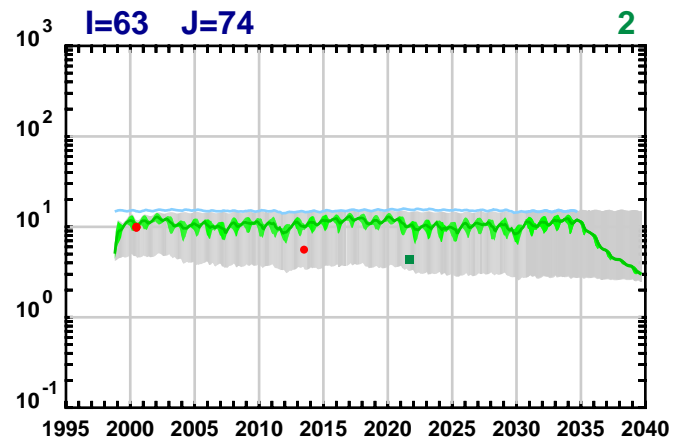
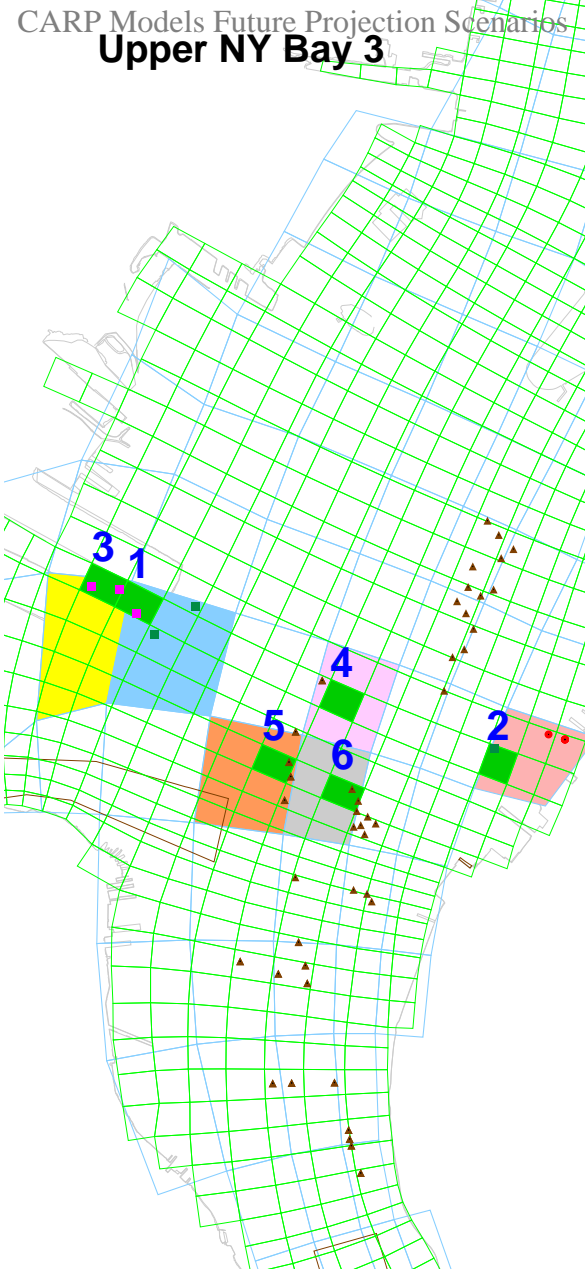
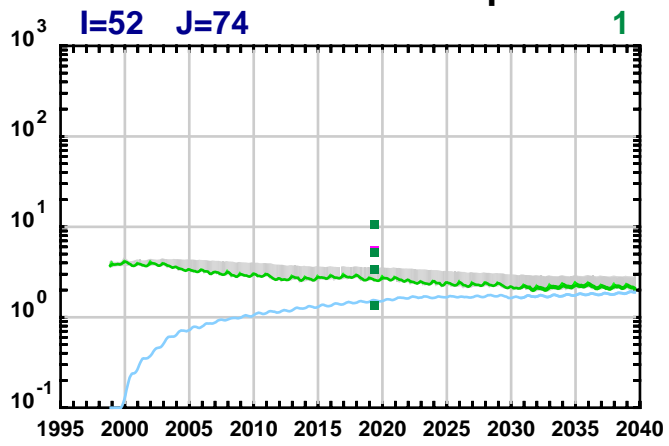
RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

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



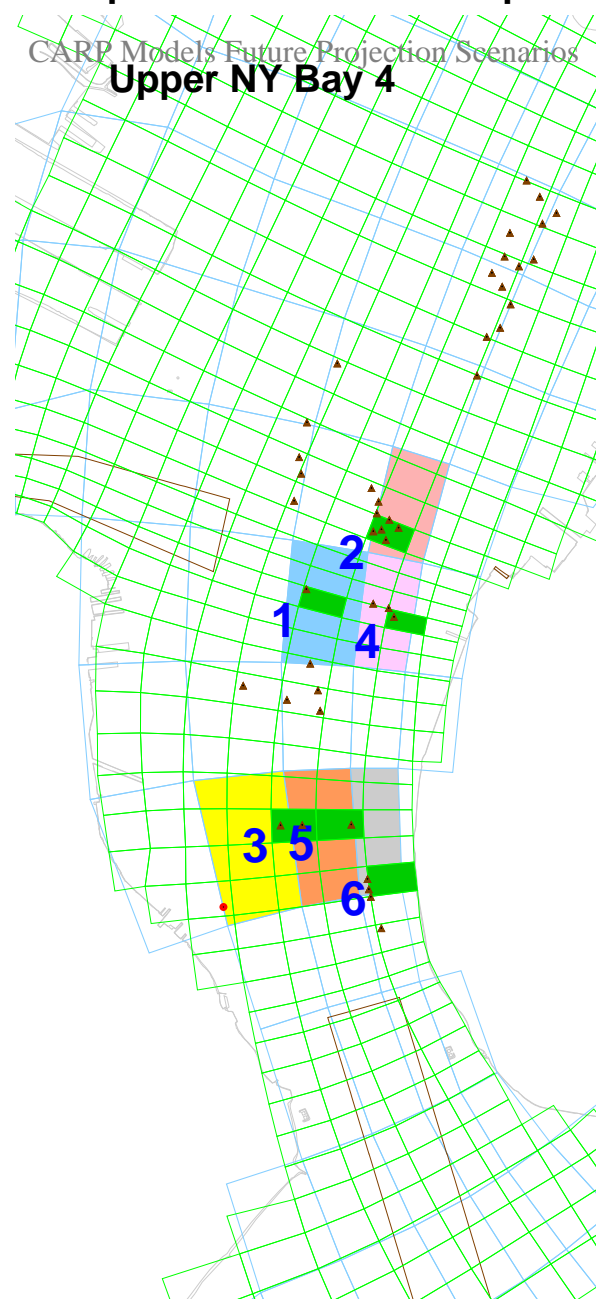
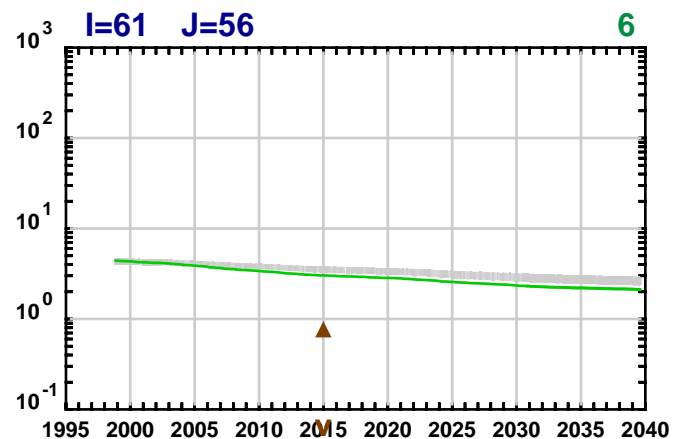
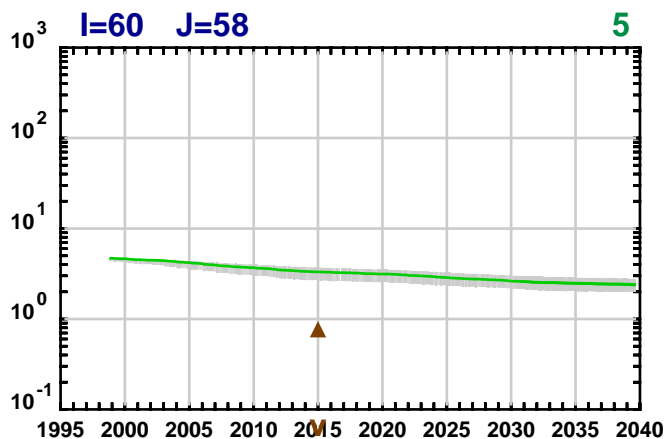
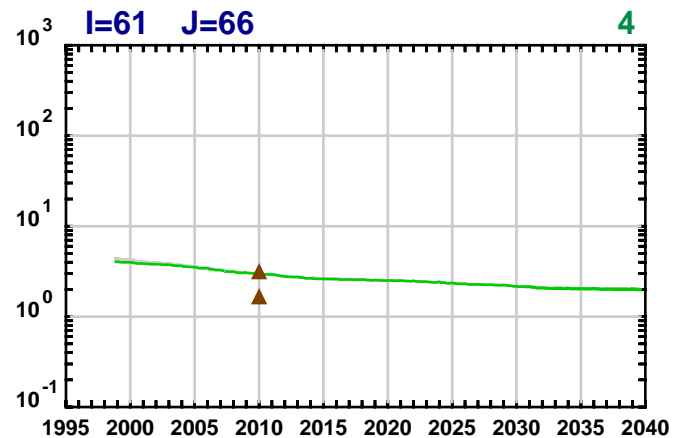
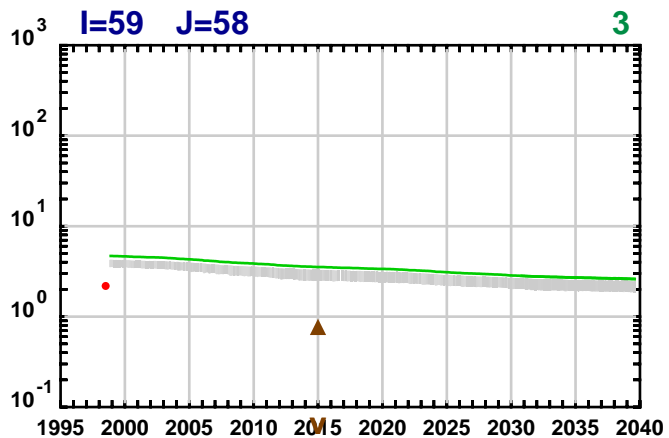
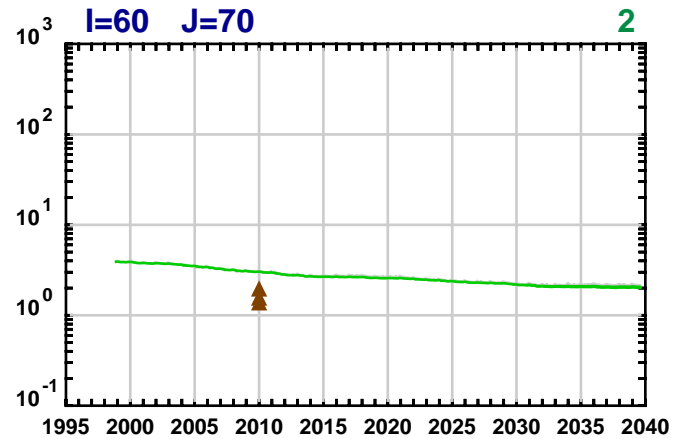
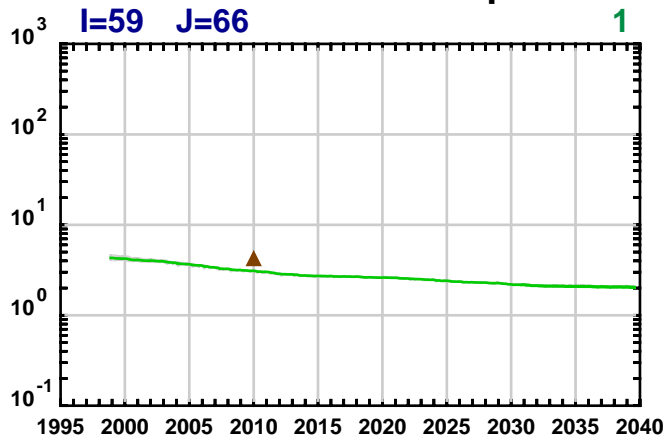
RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

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



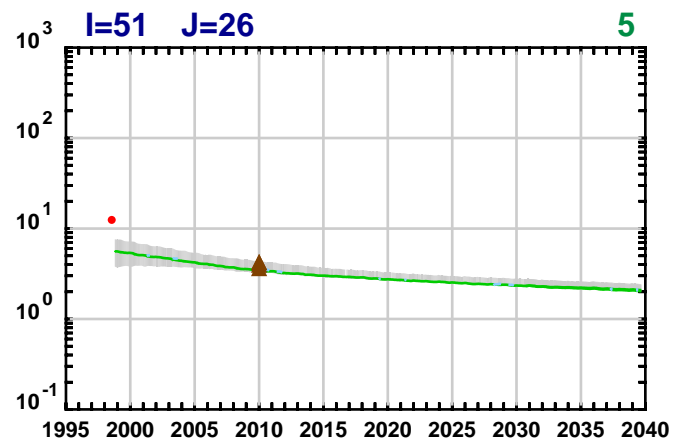
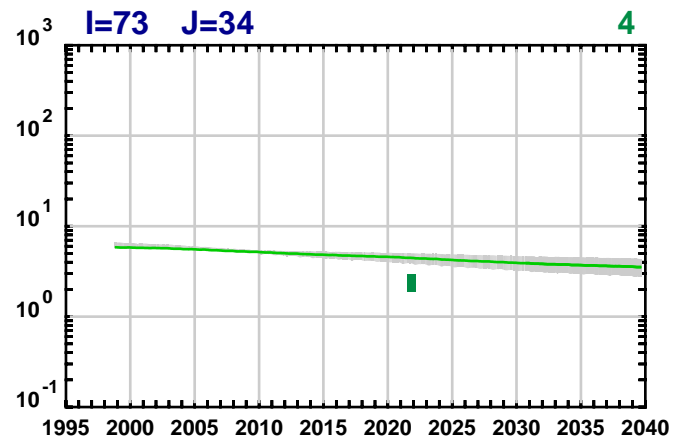
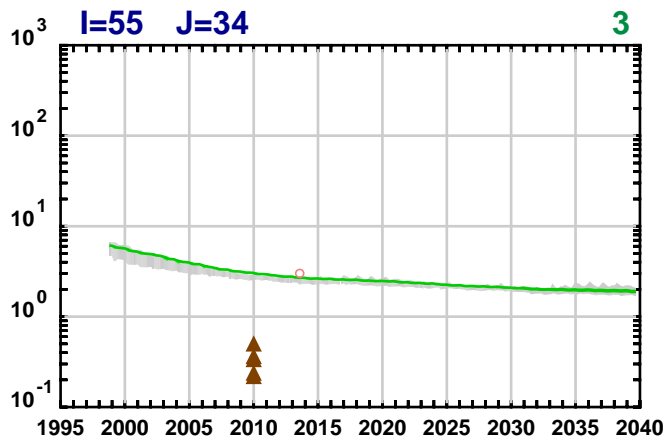
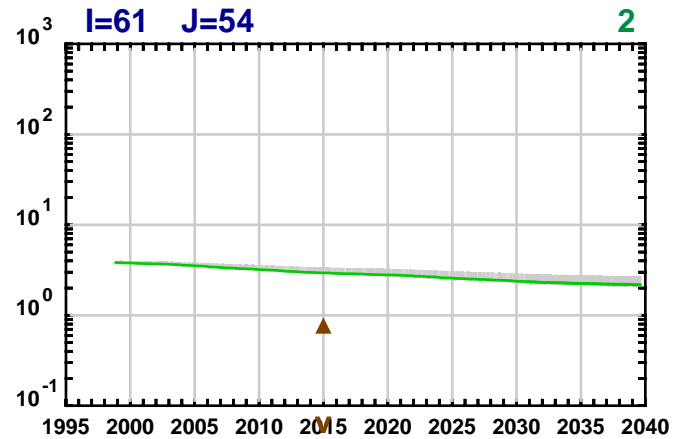
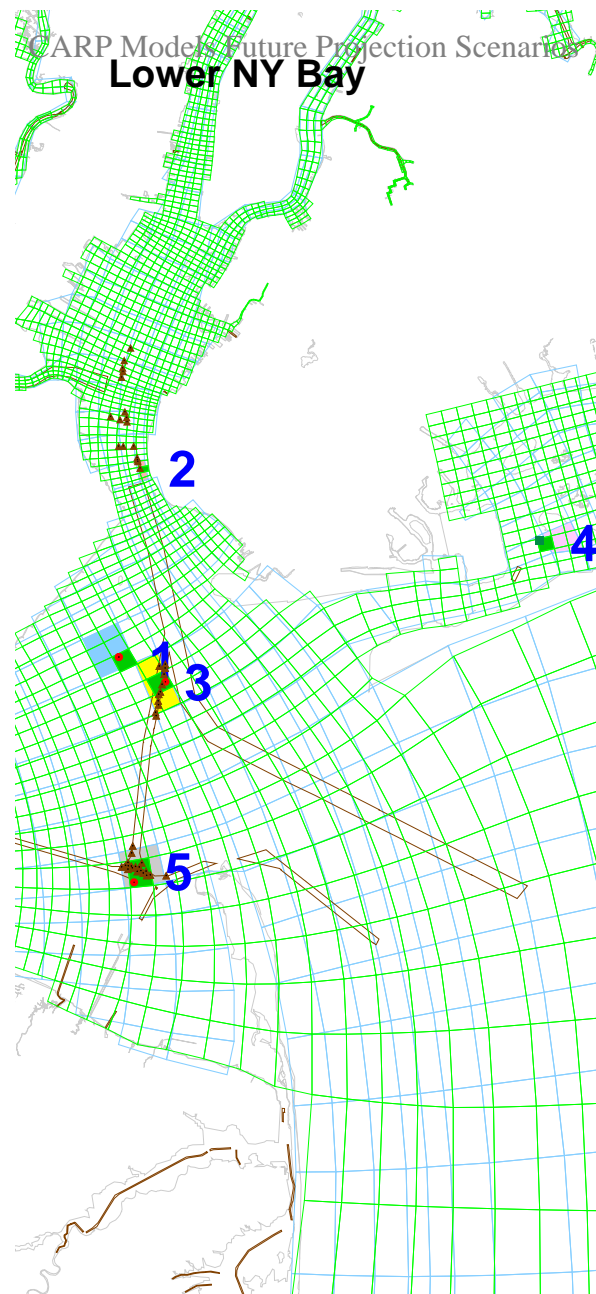
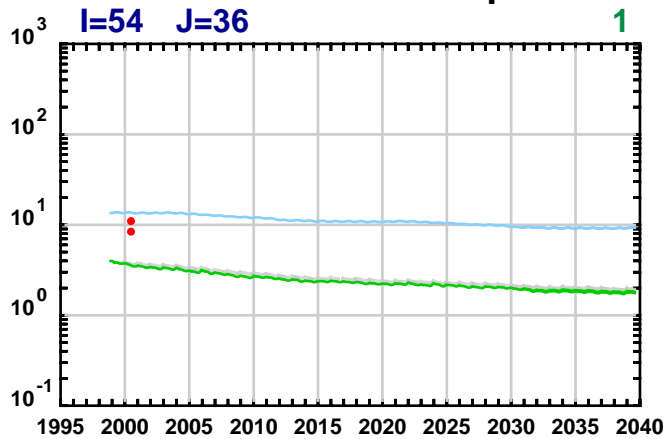
RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

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



RUN18_PROJ01_PROJ02_R1

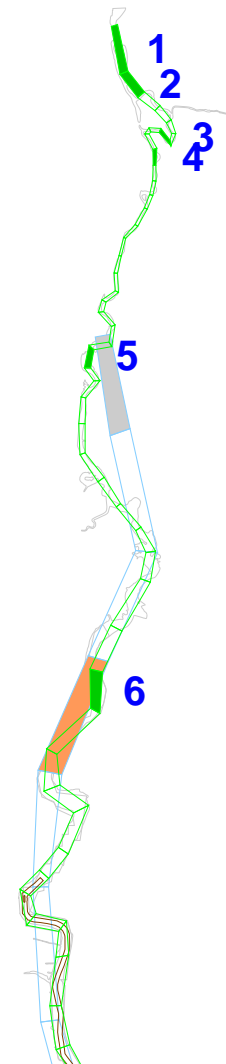
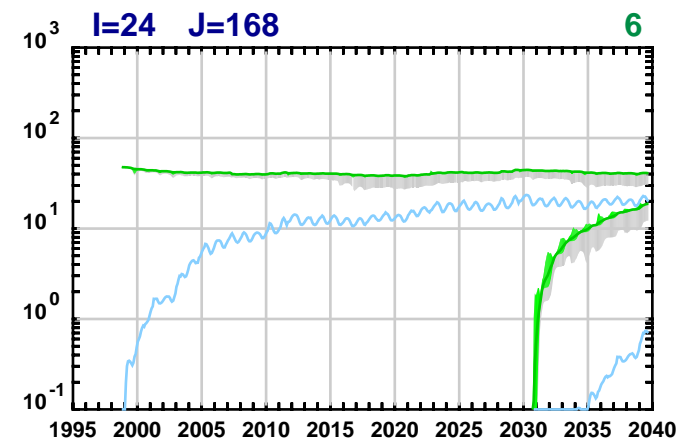
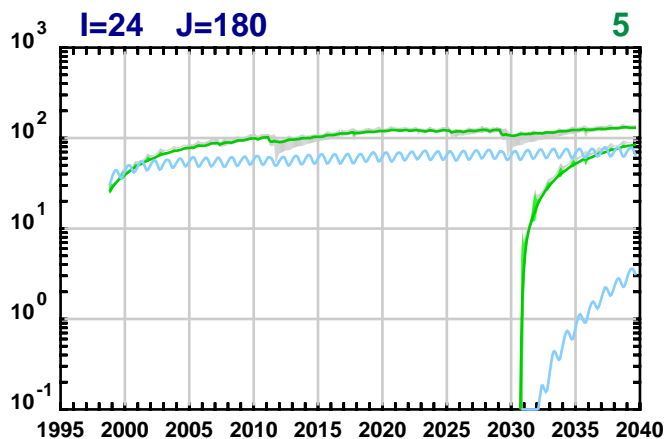
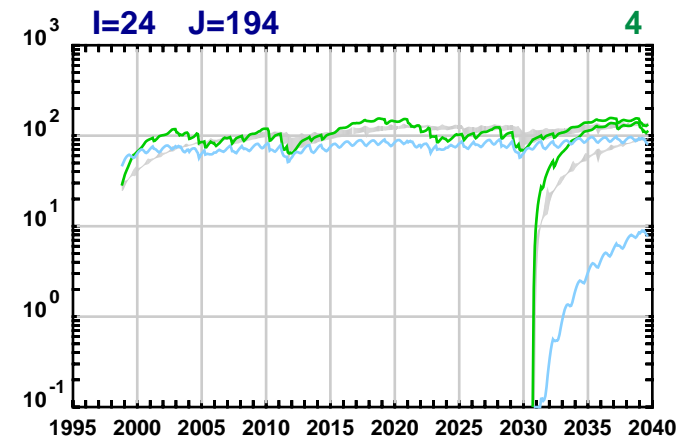
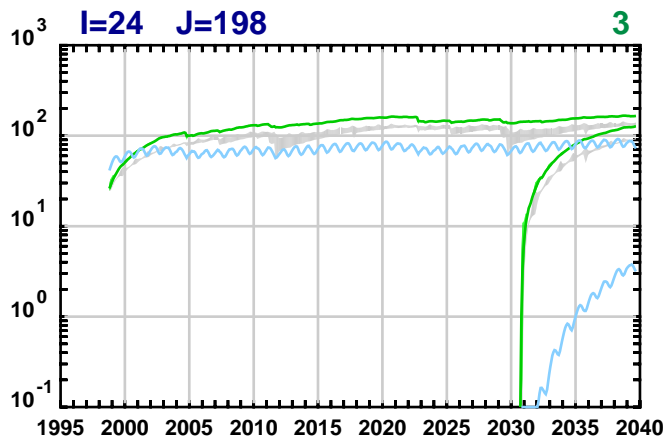
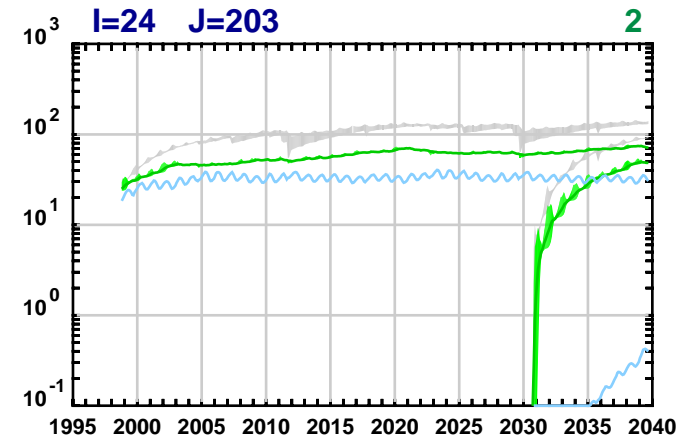
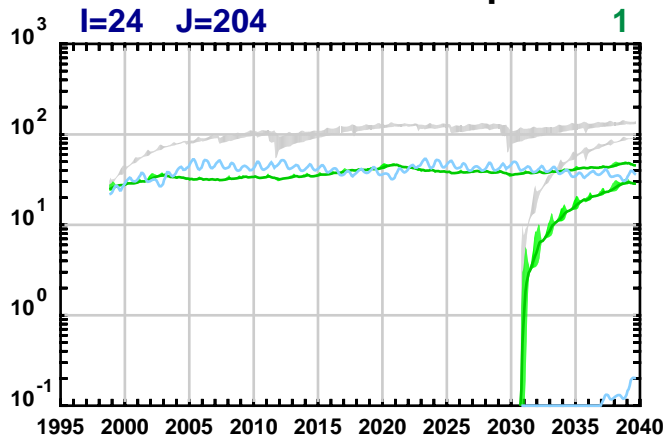
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-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

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

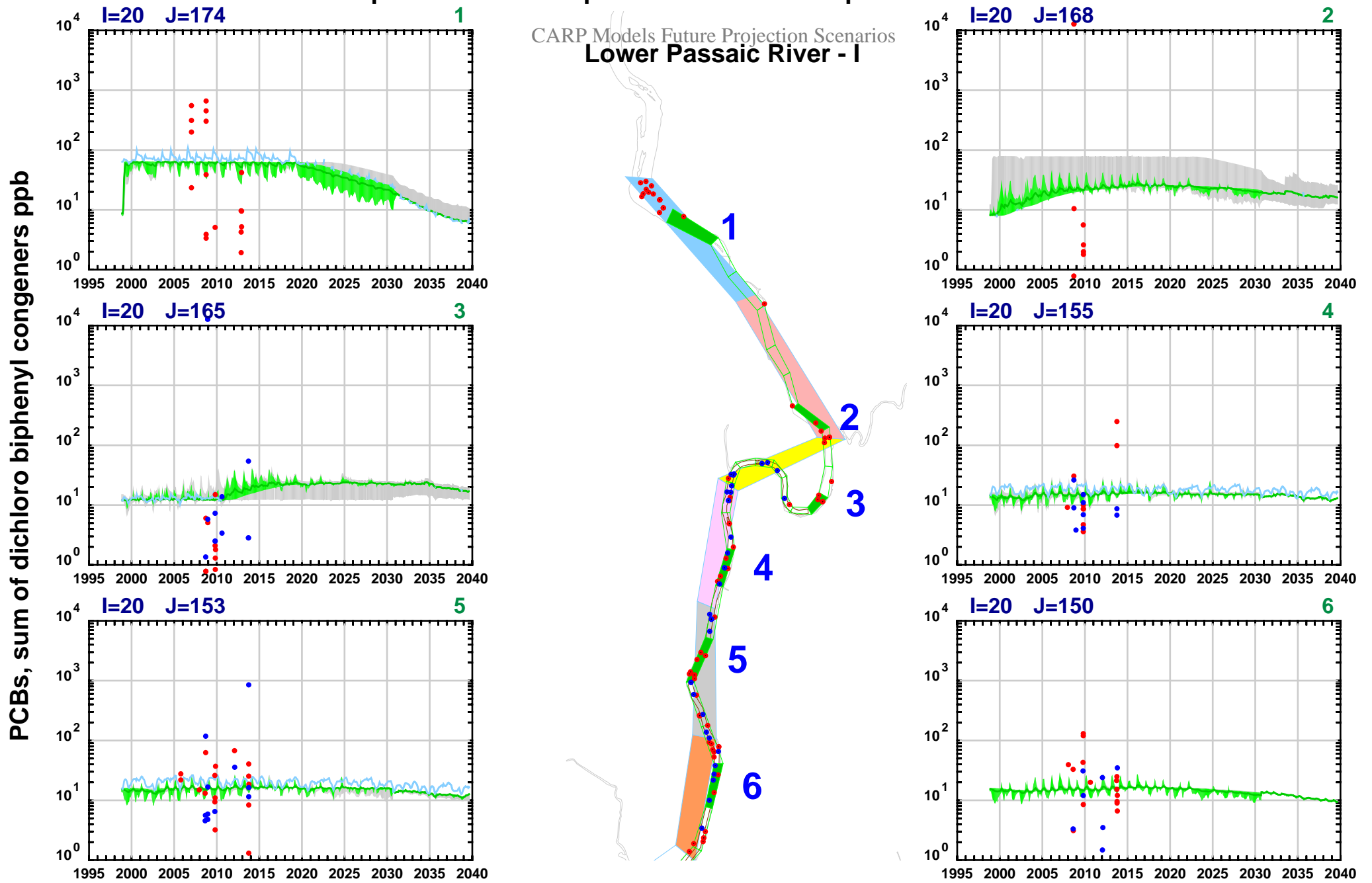


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

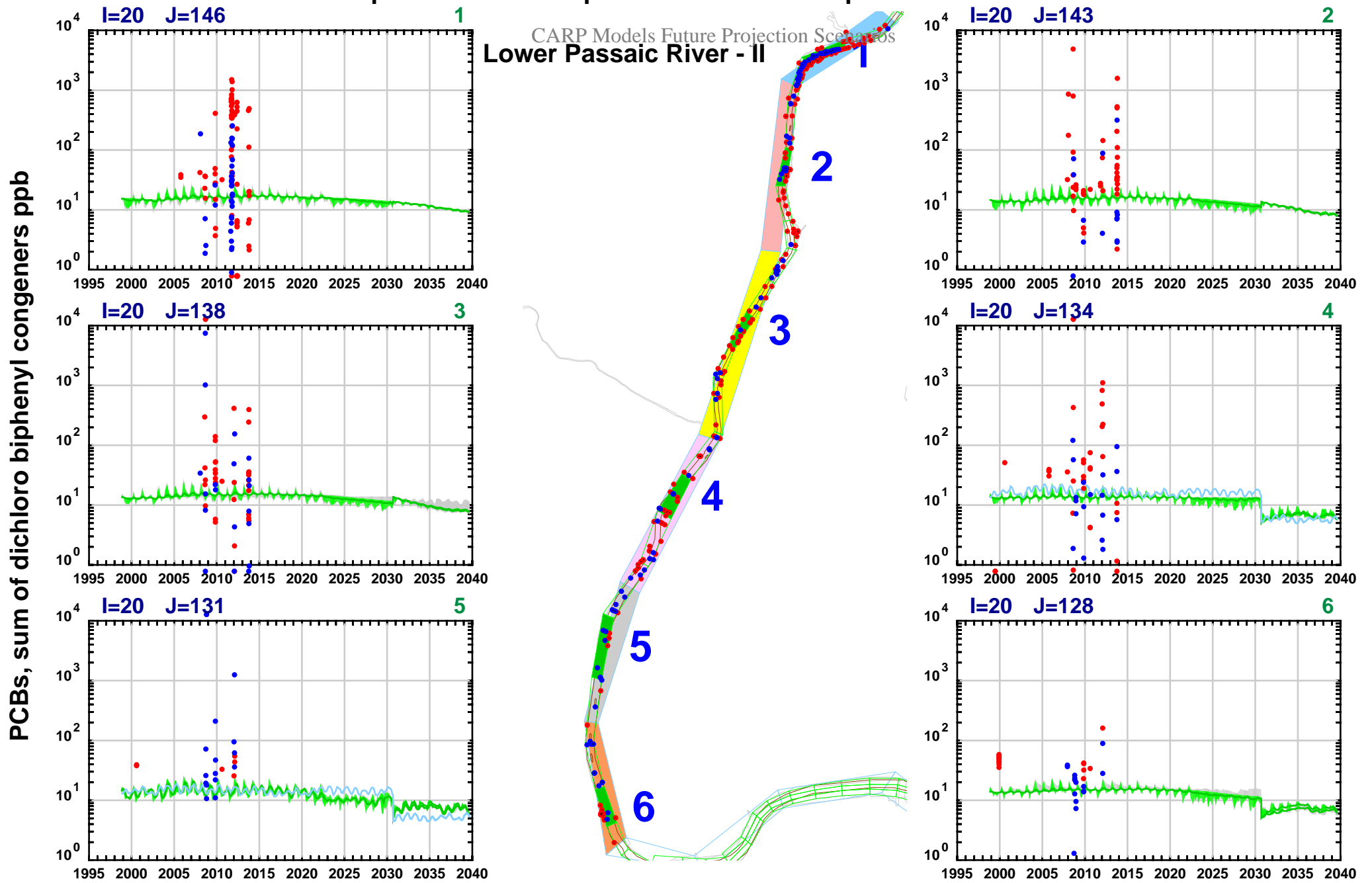


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

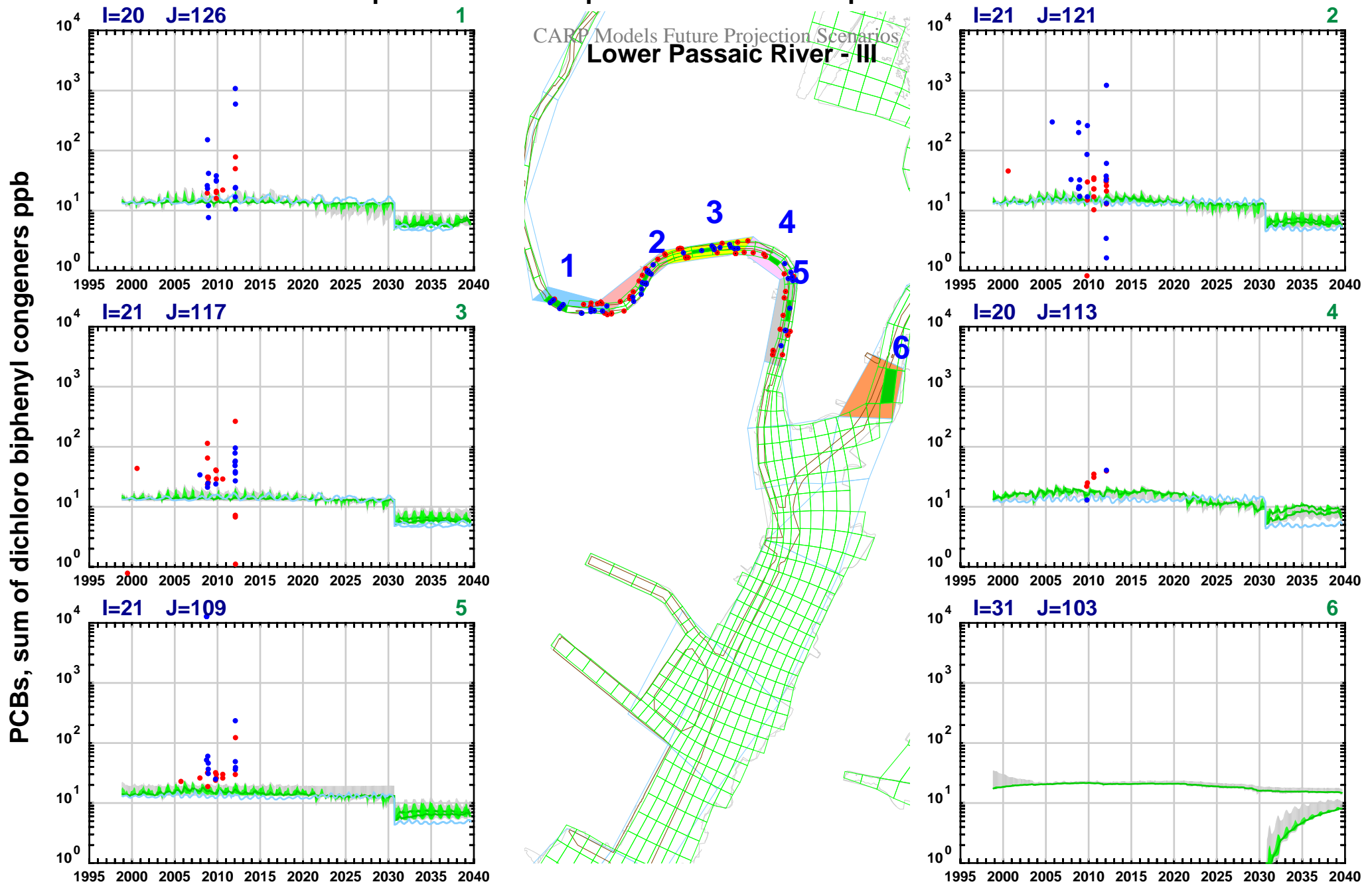


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

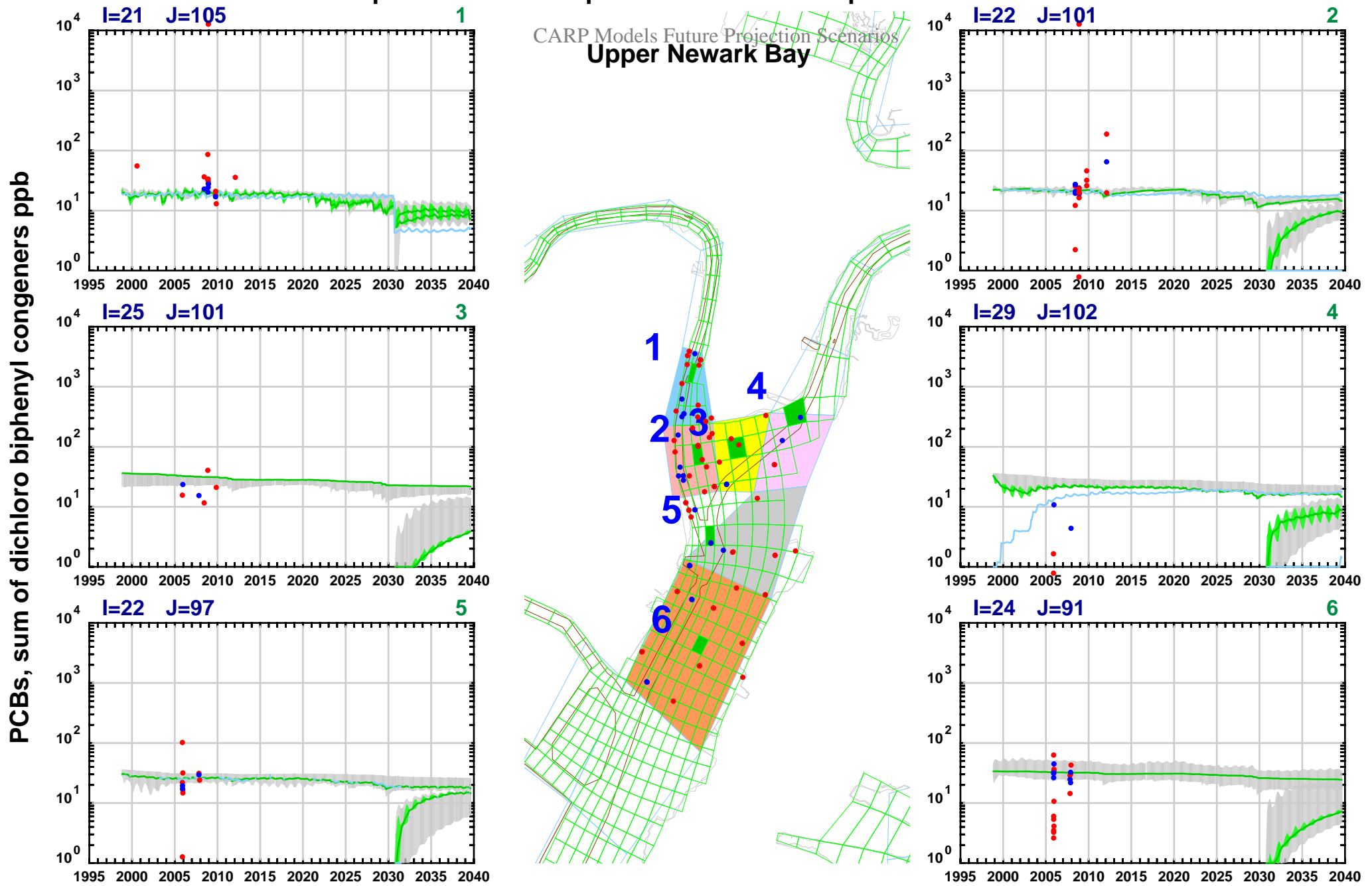


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

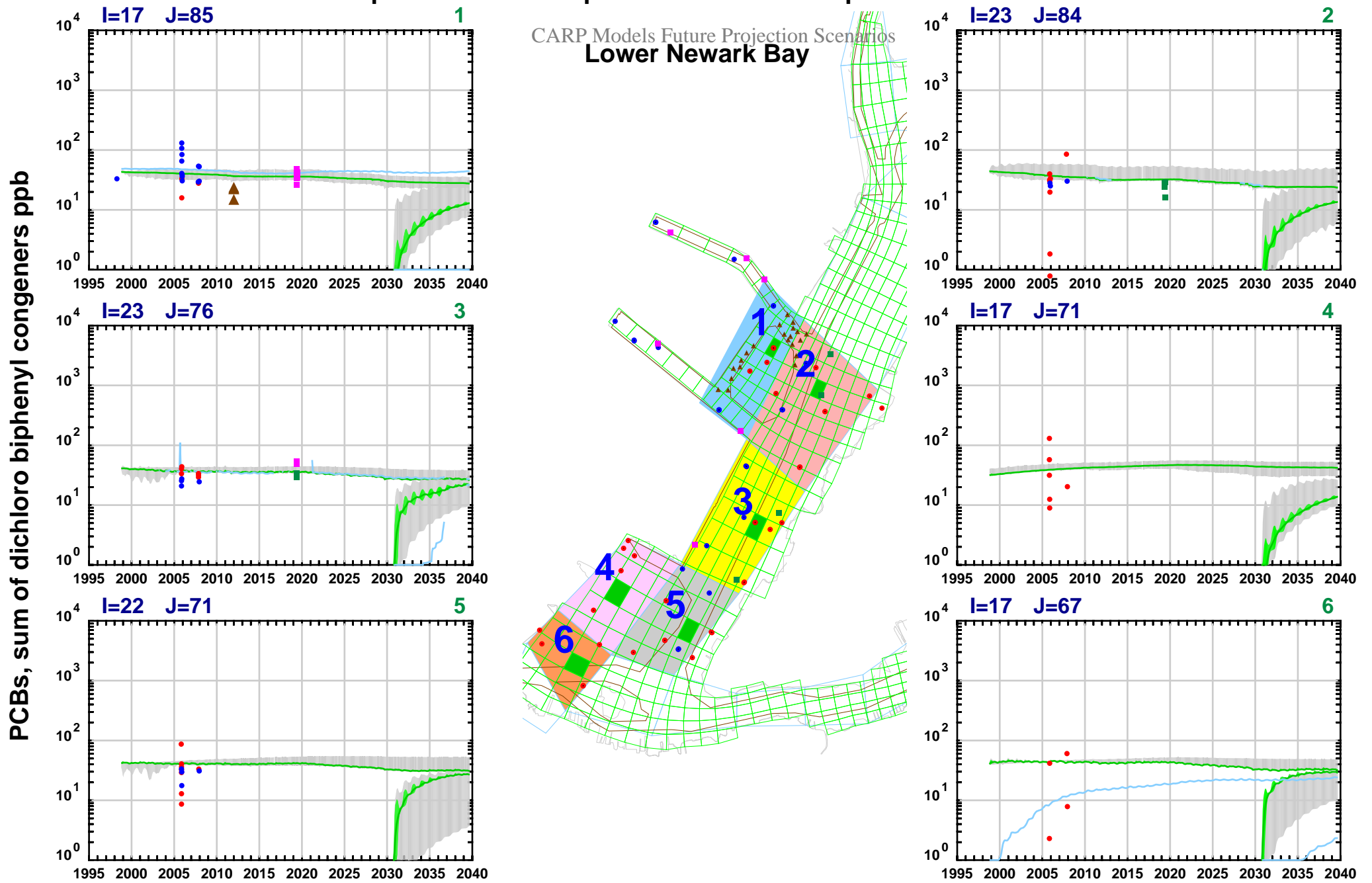


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



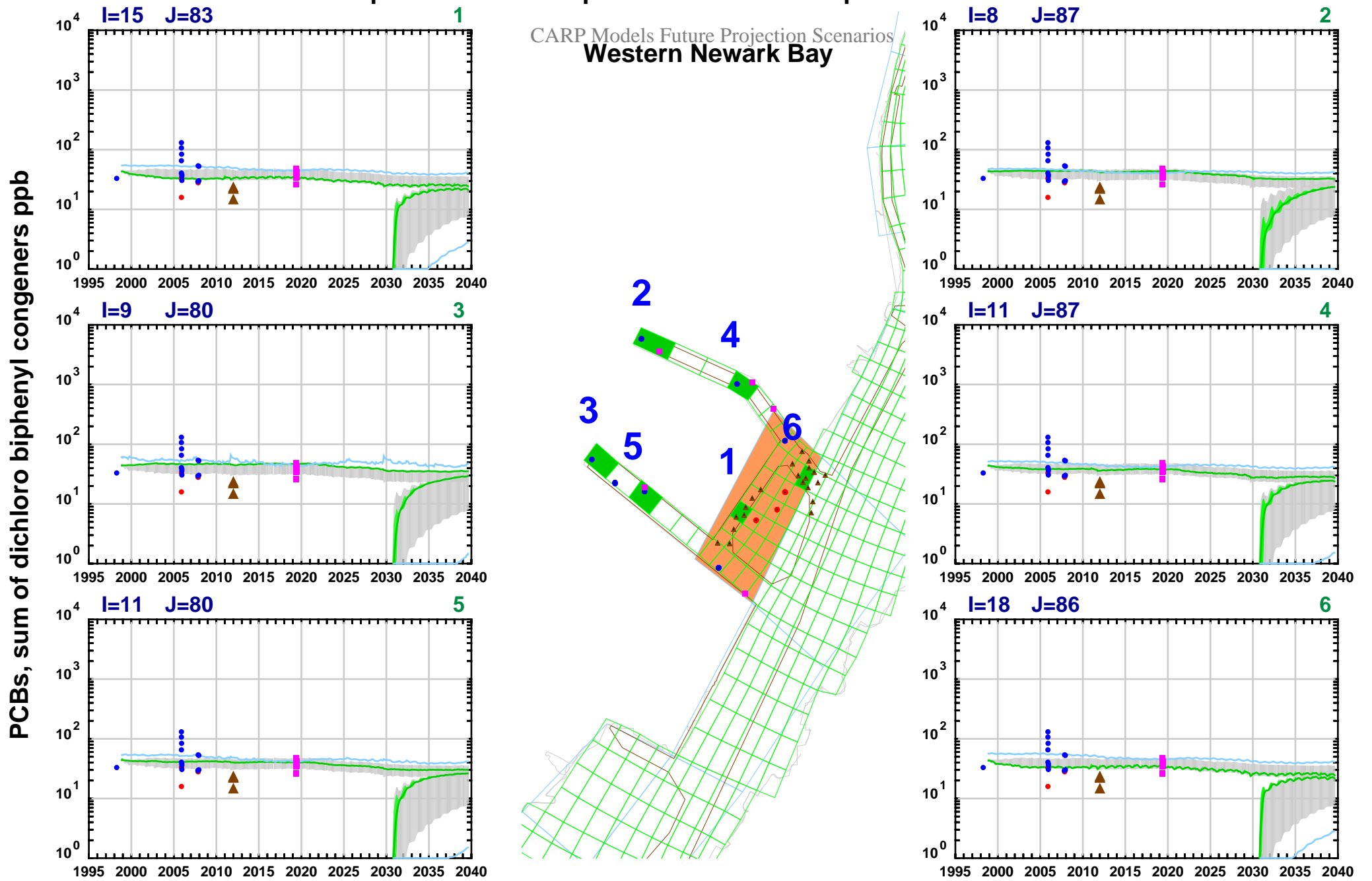
CARP Models Future Projection Scenarios
Lower Newark Bay

RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



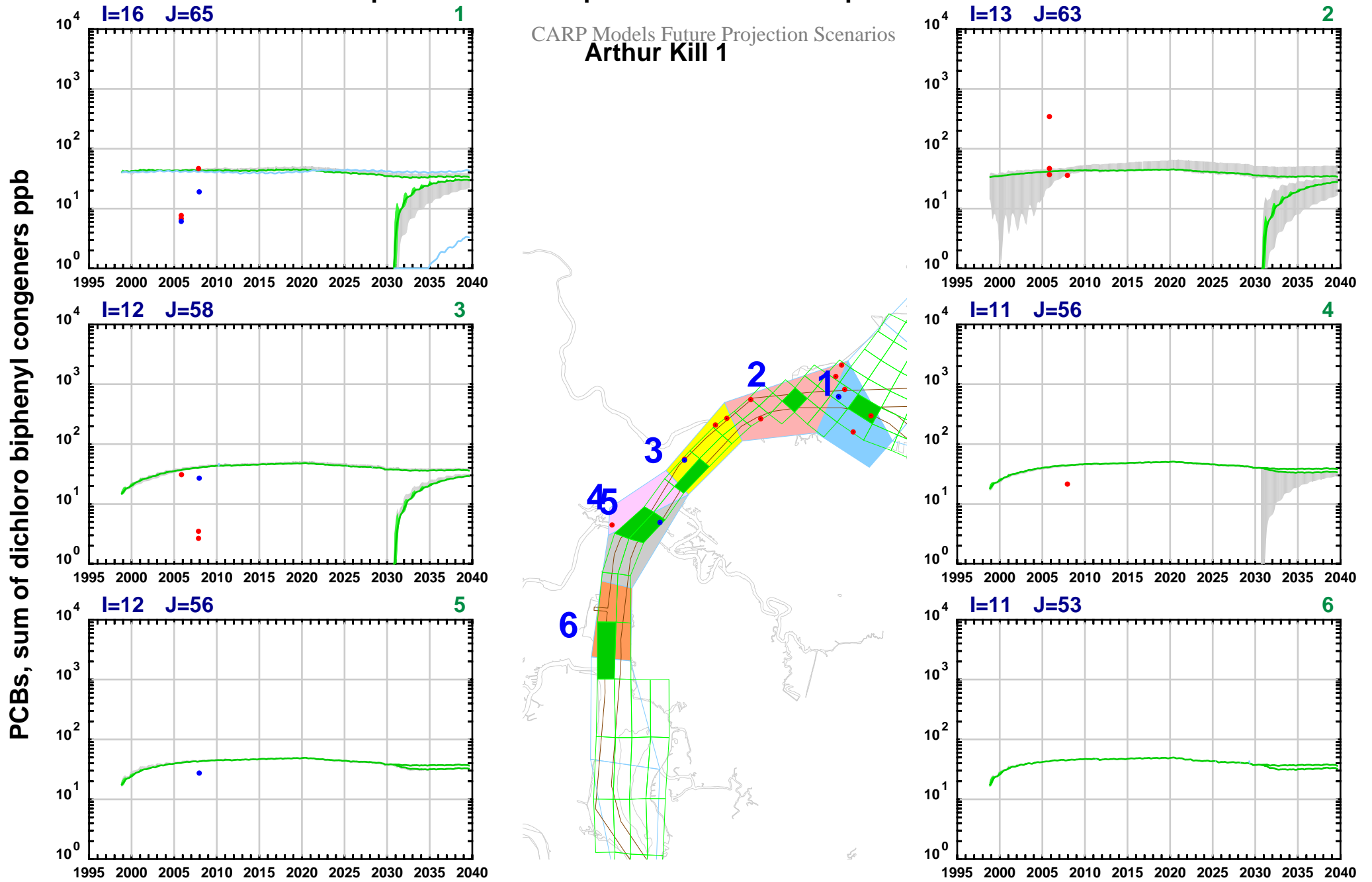
RUN18_PROJ01_PROJ02_R1

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

● In-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

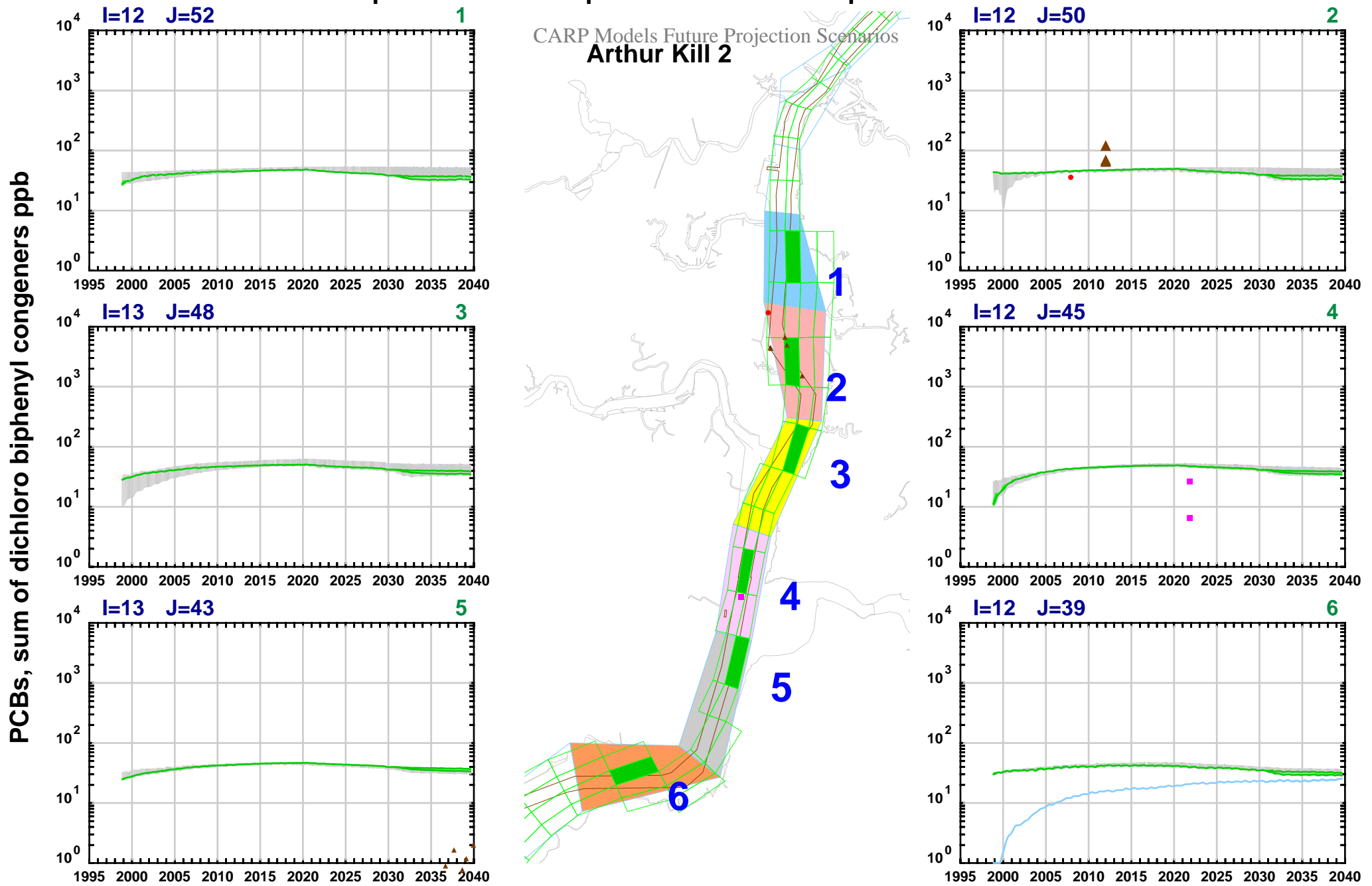


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

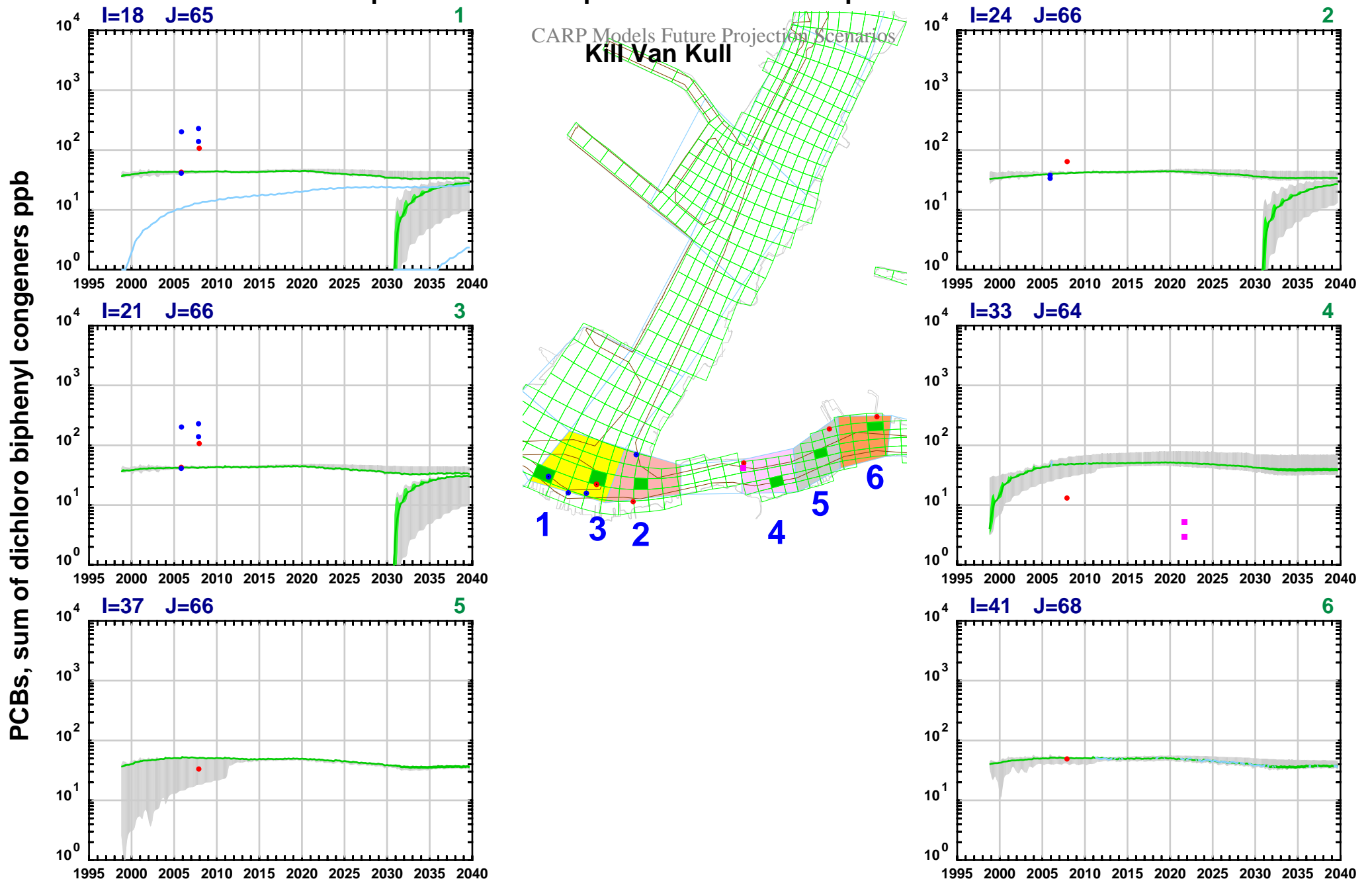


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

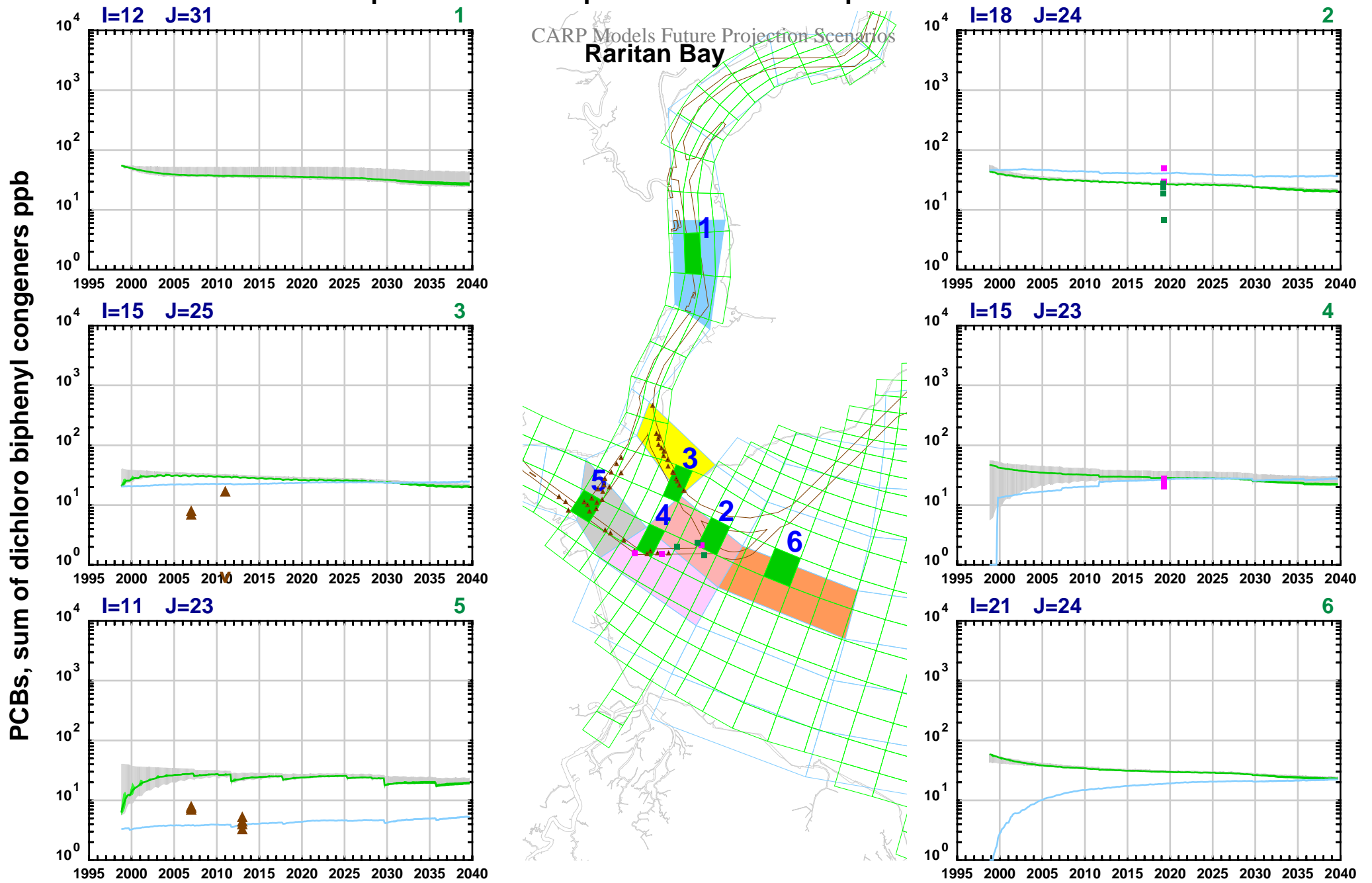


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

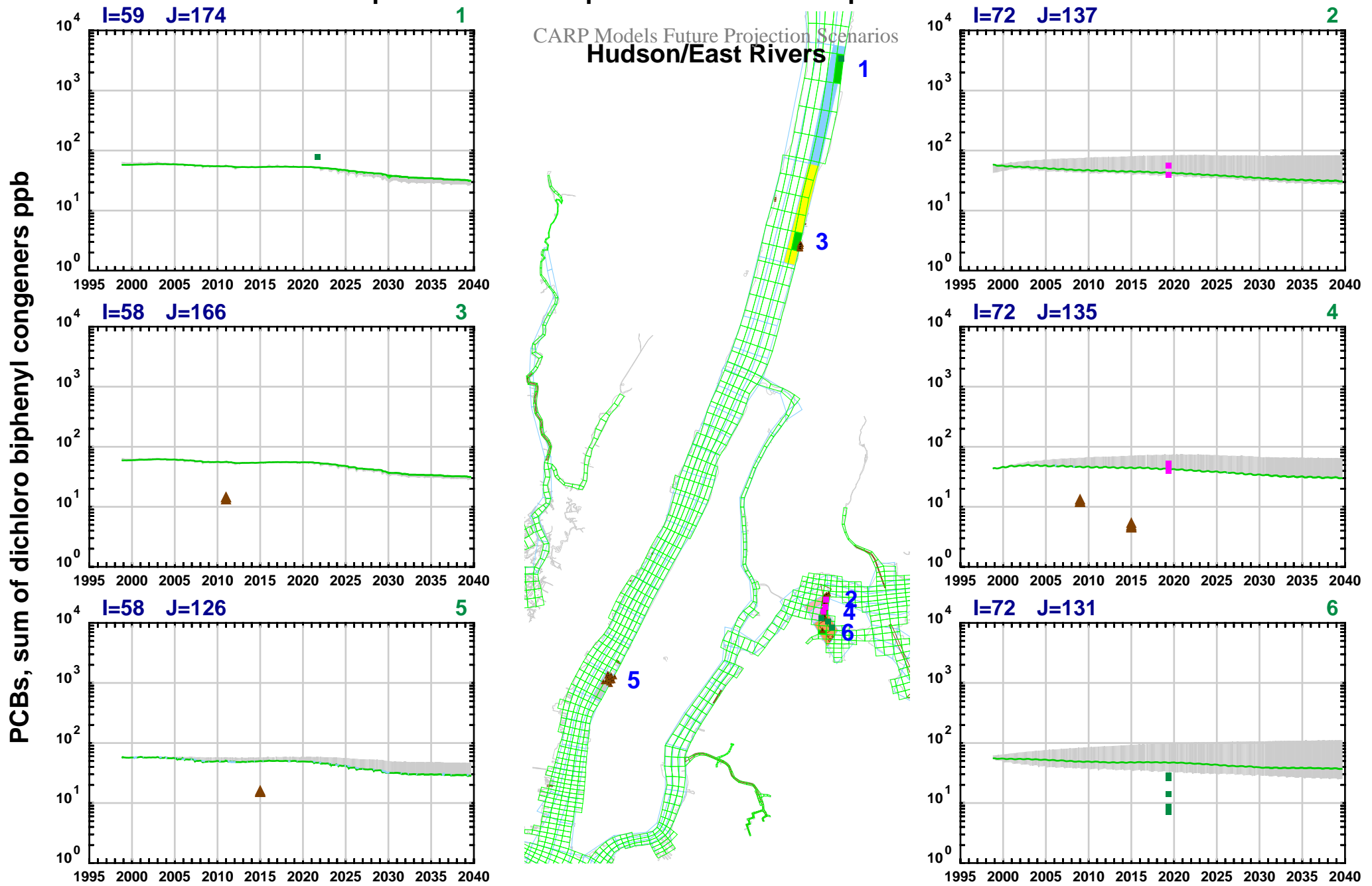


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

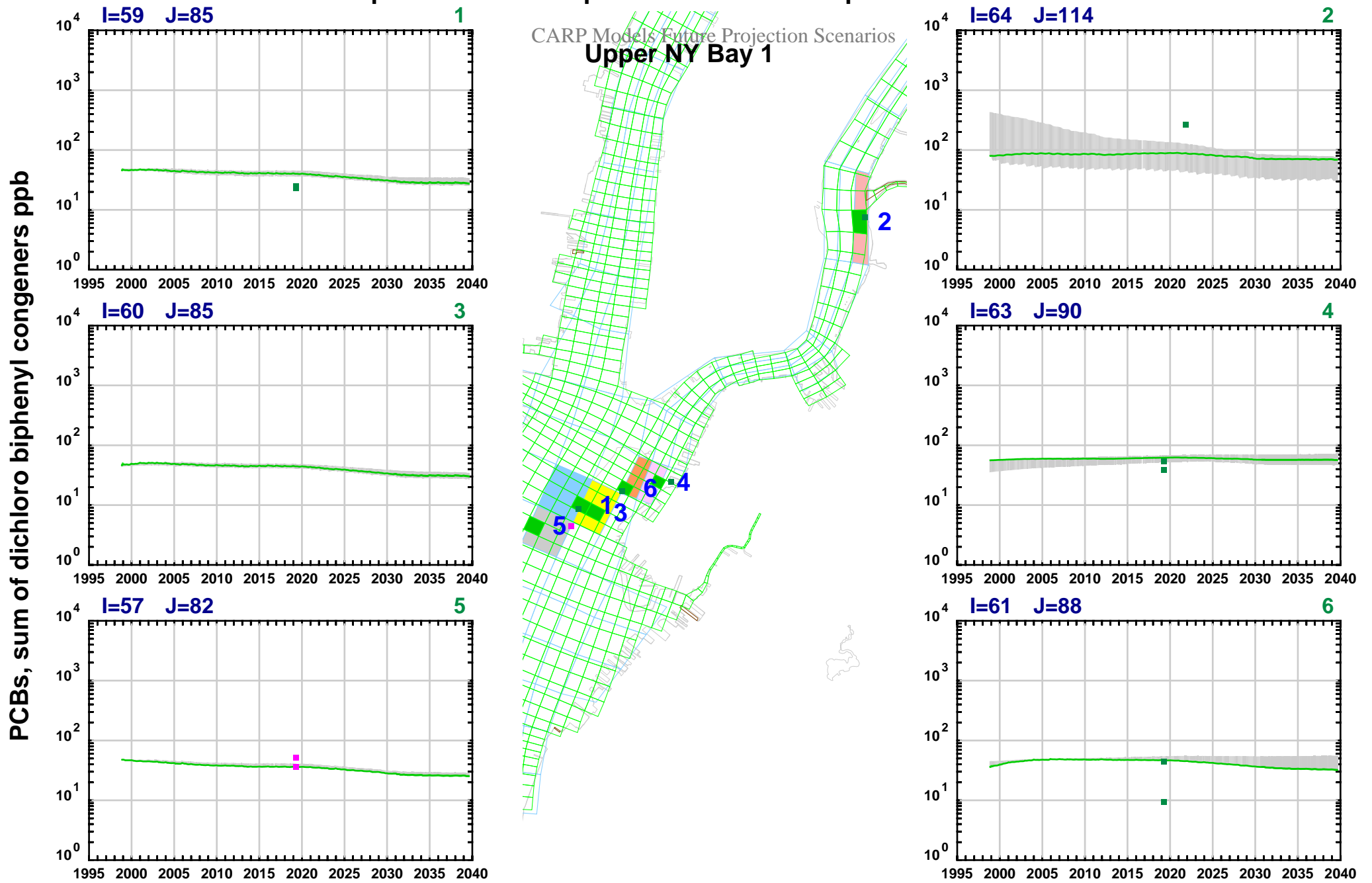


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

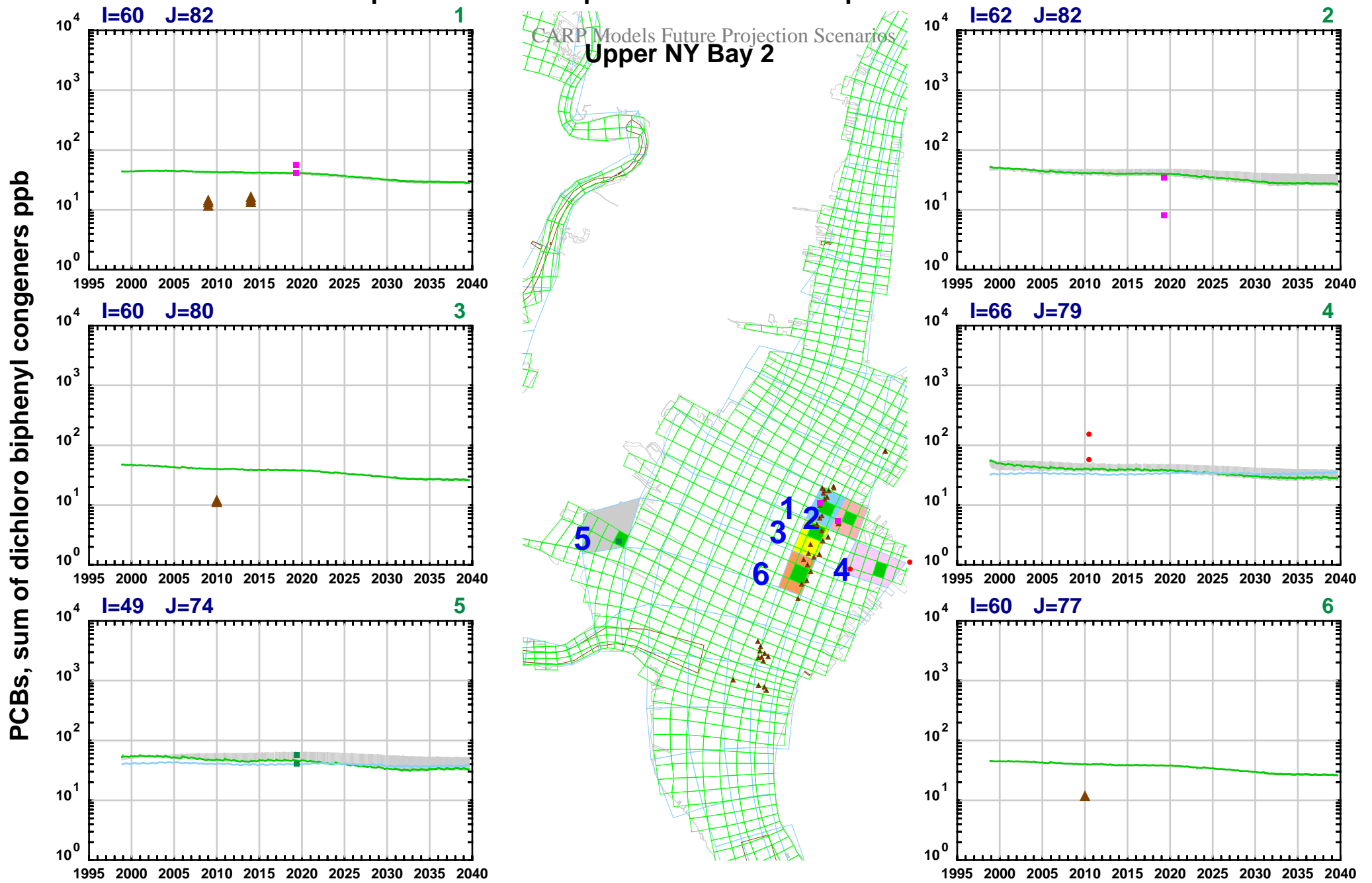


RUN18_PROJ01_PROJ02_R1

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

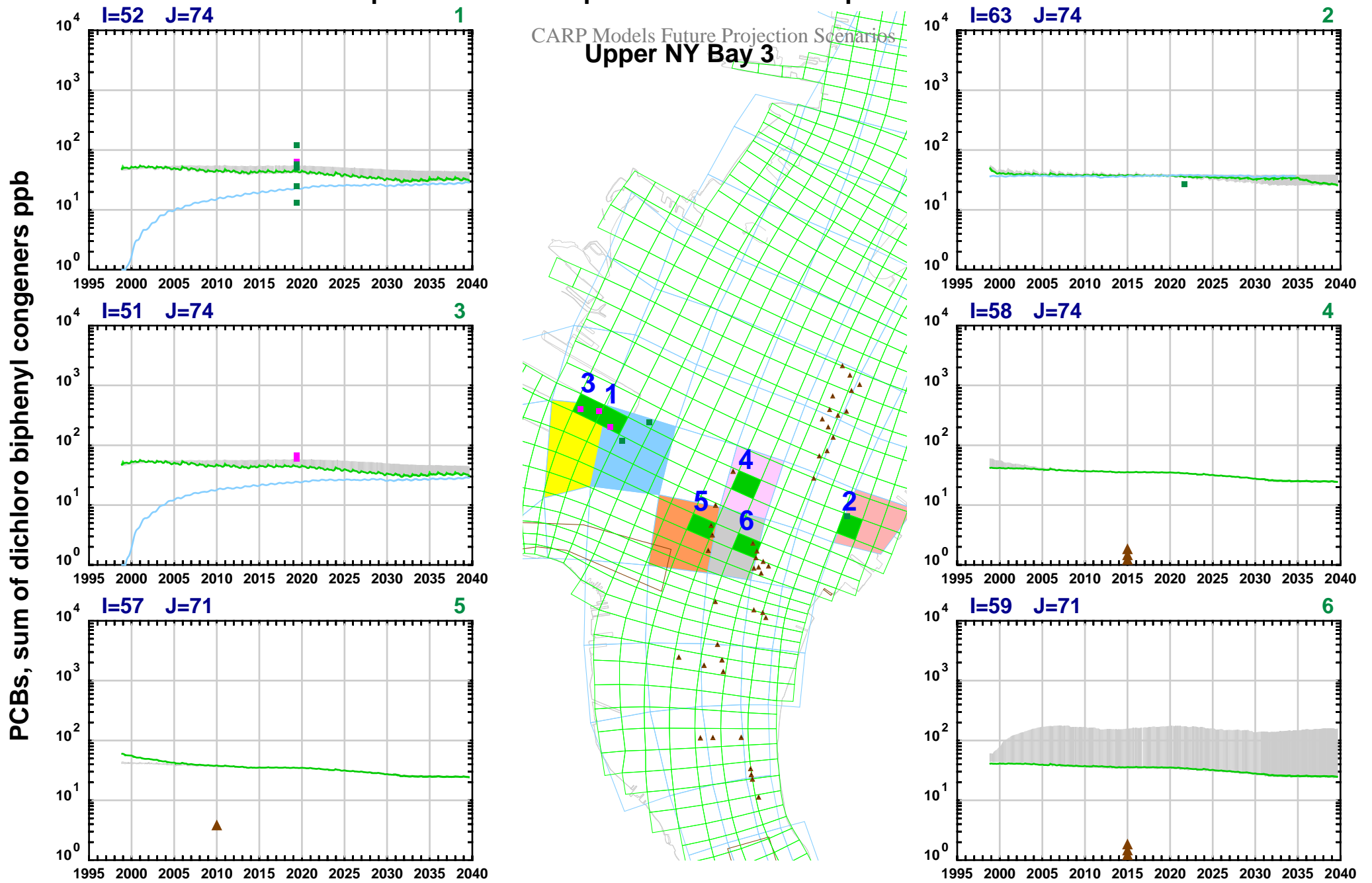
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

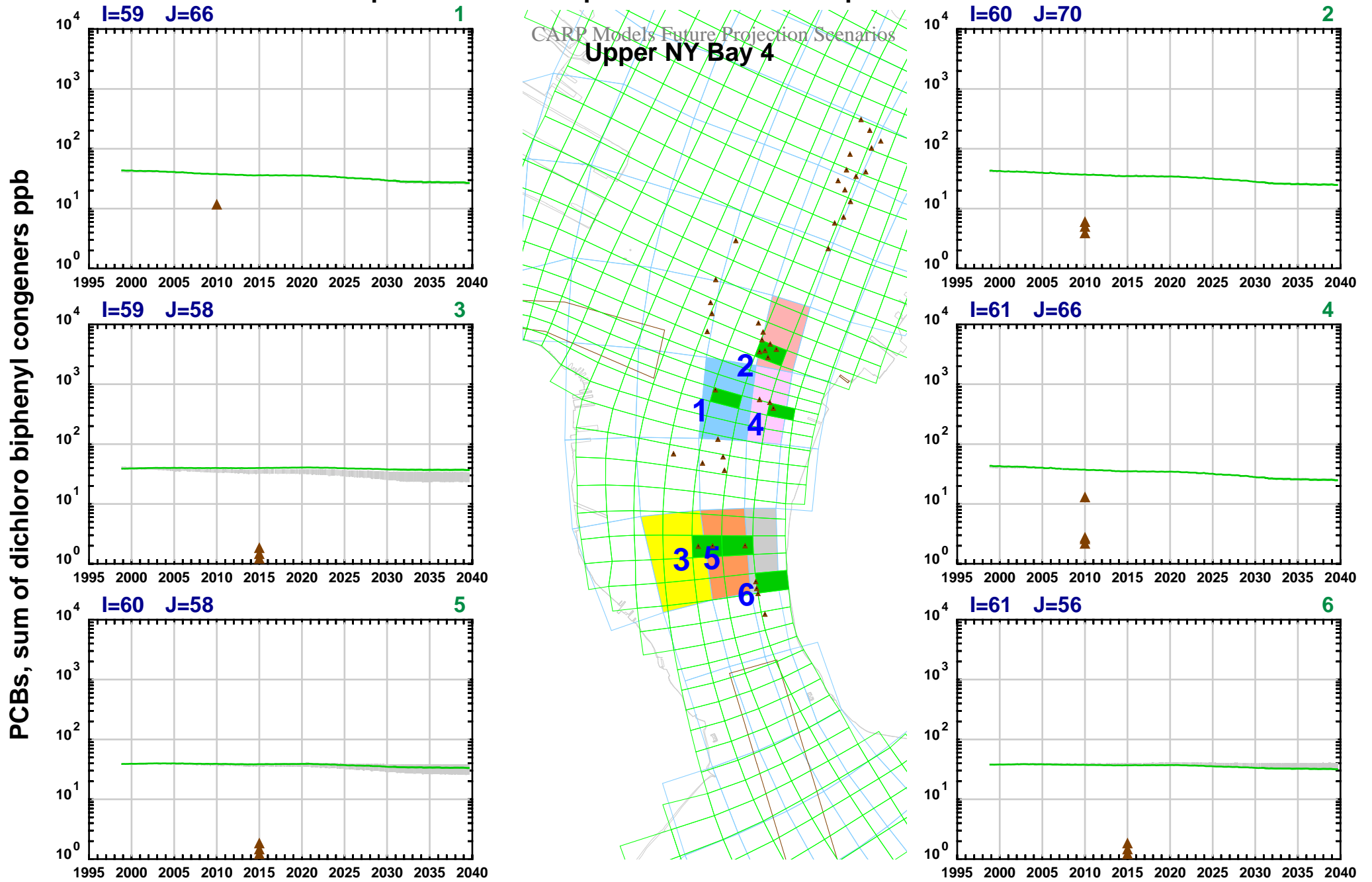


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

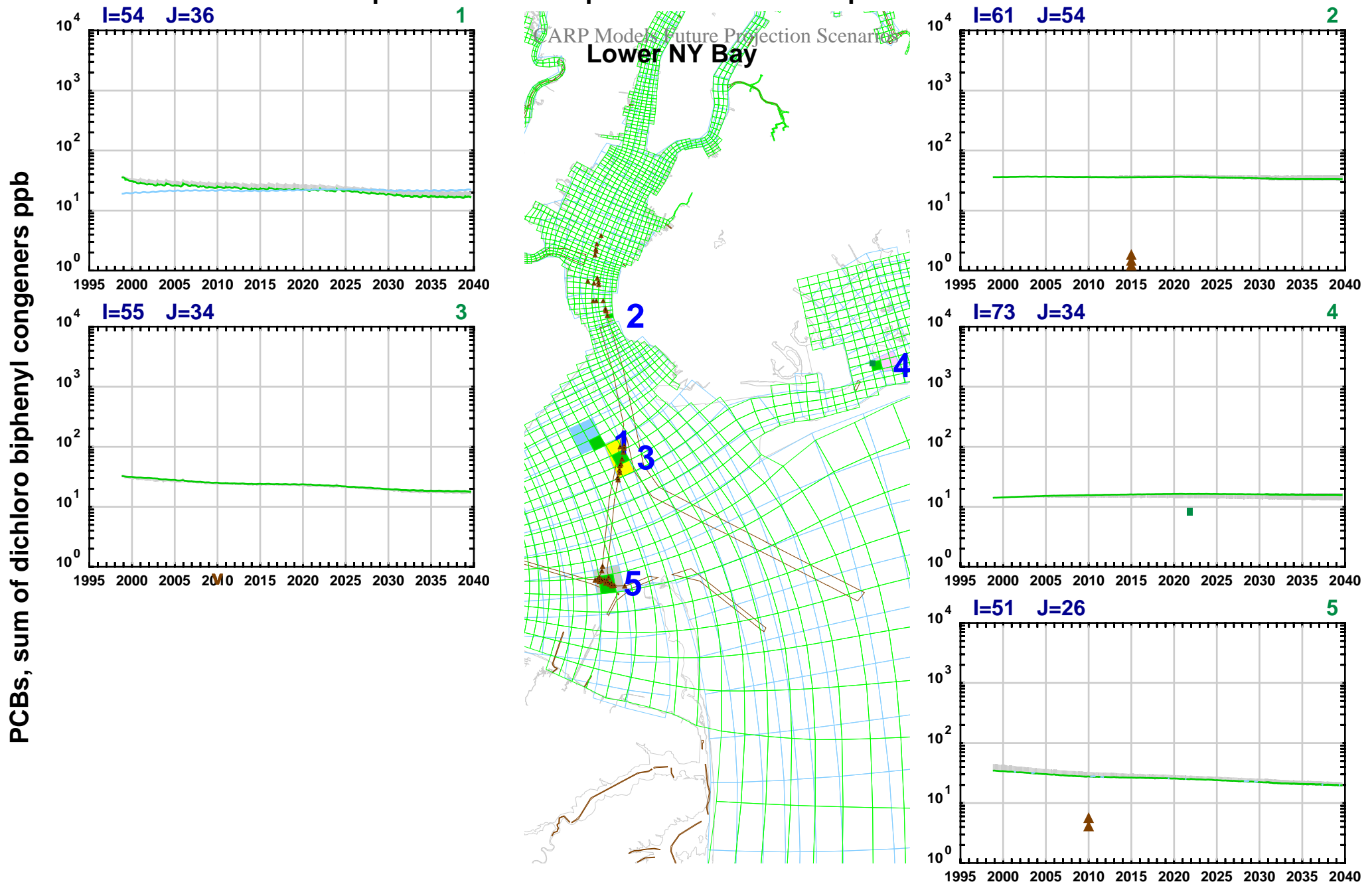


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



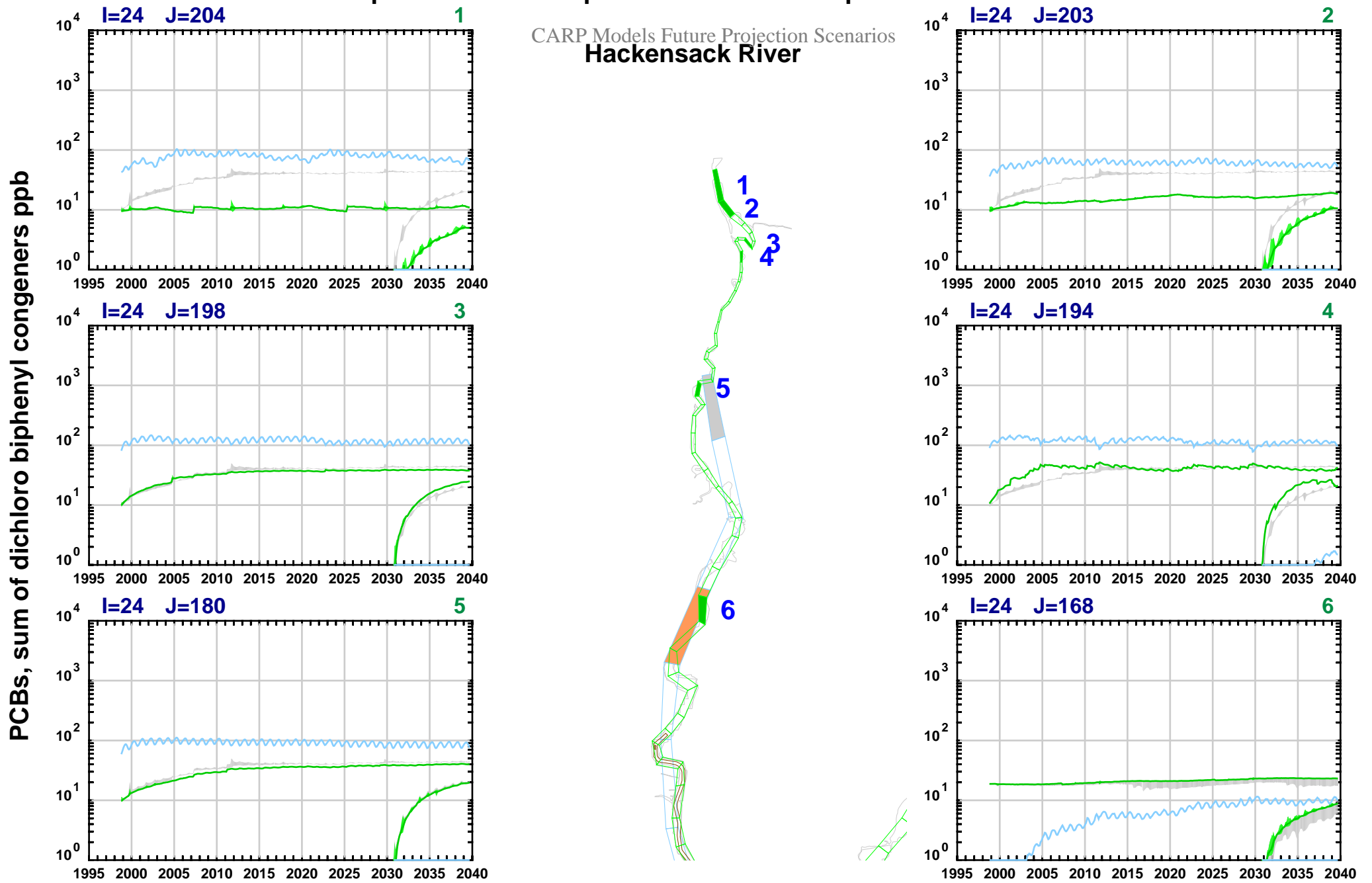
RUN18_PROJ01_PROJ02_R1

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

● In-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

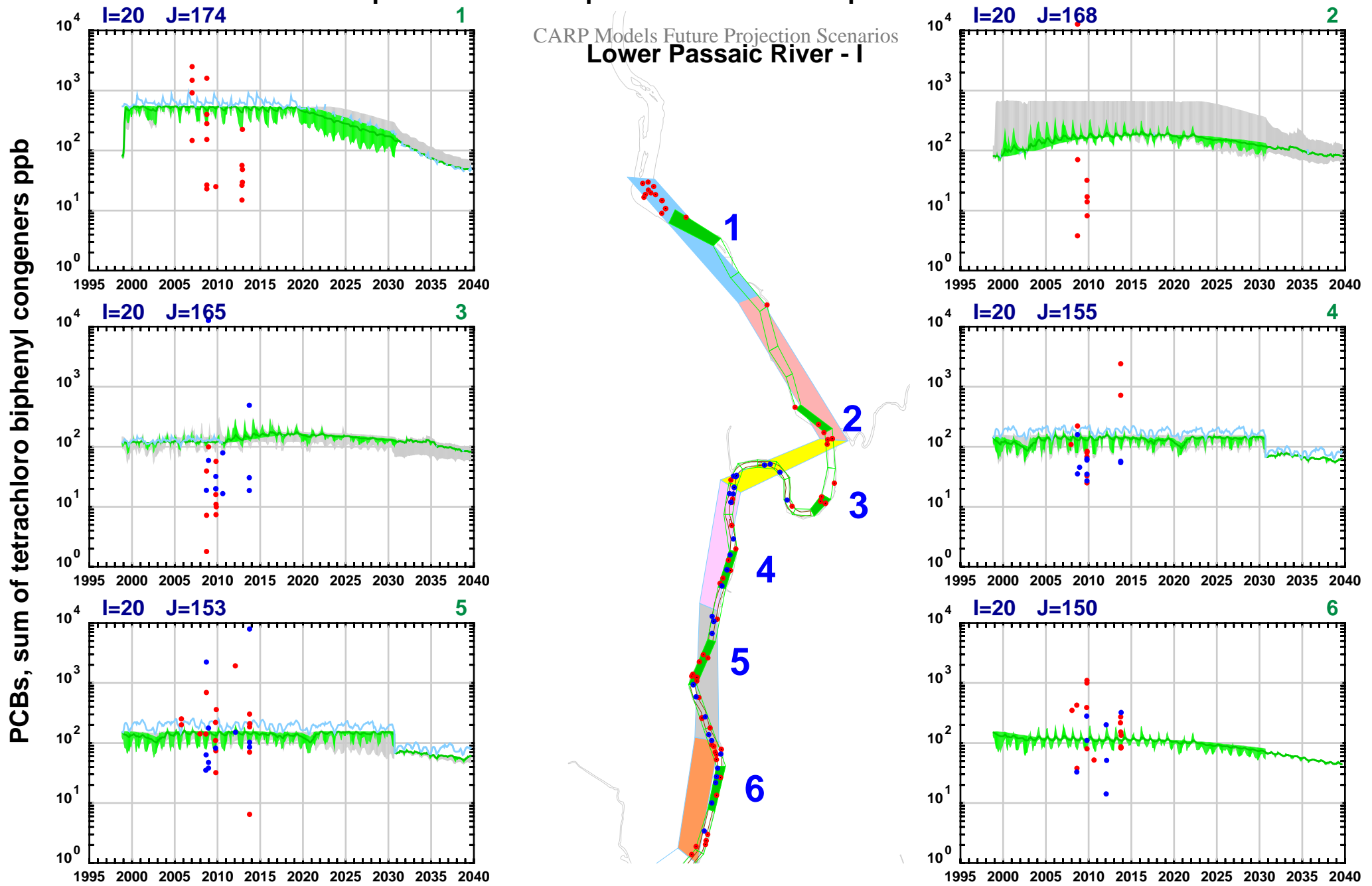


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



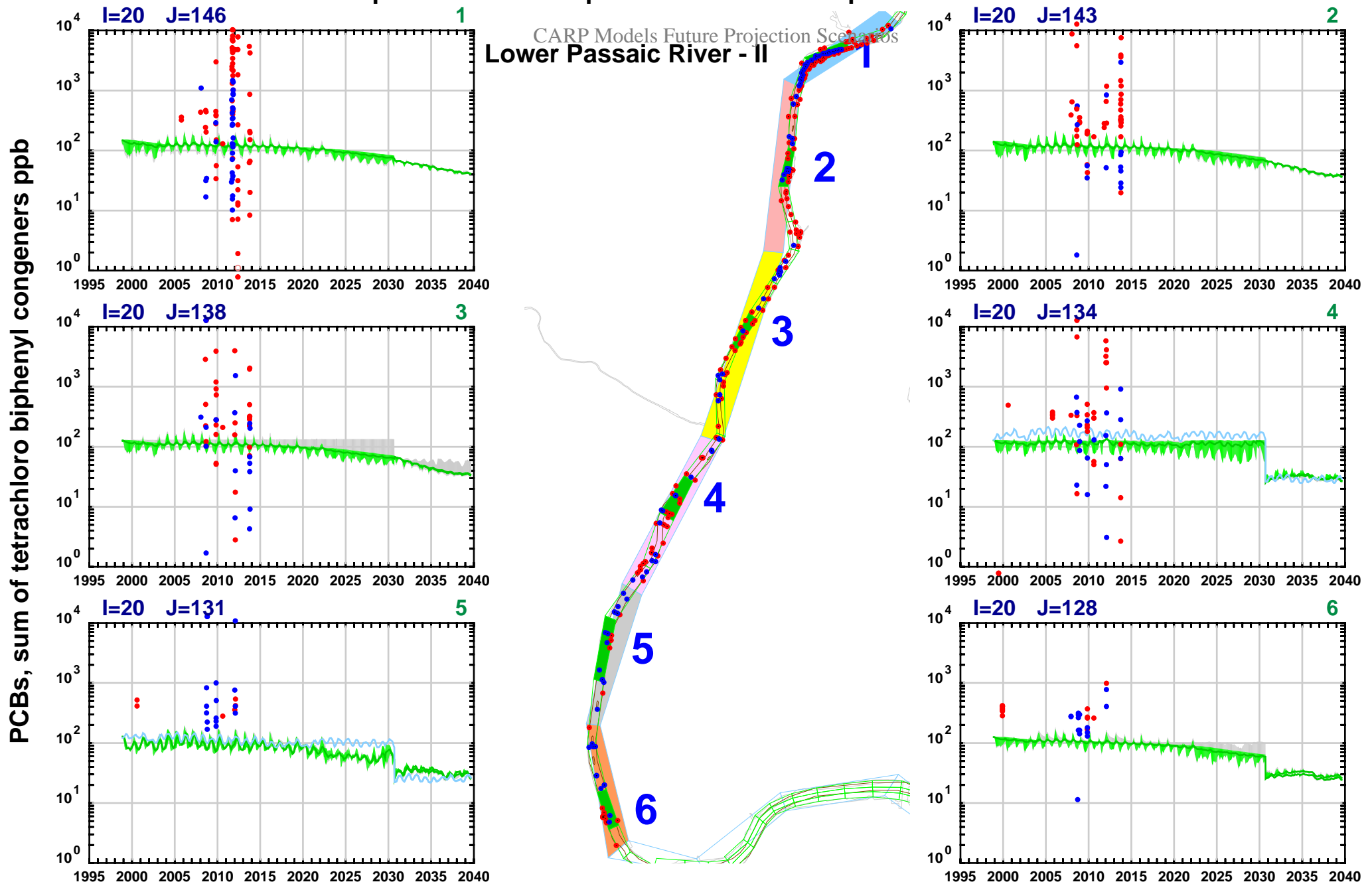
CARP Models Future Projection Scenarios
Lower Passaic River - I

RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

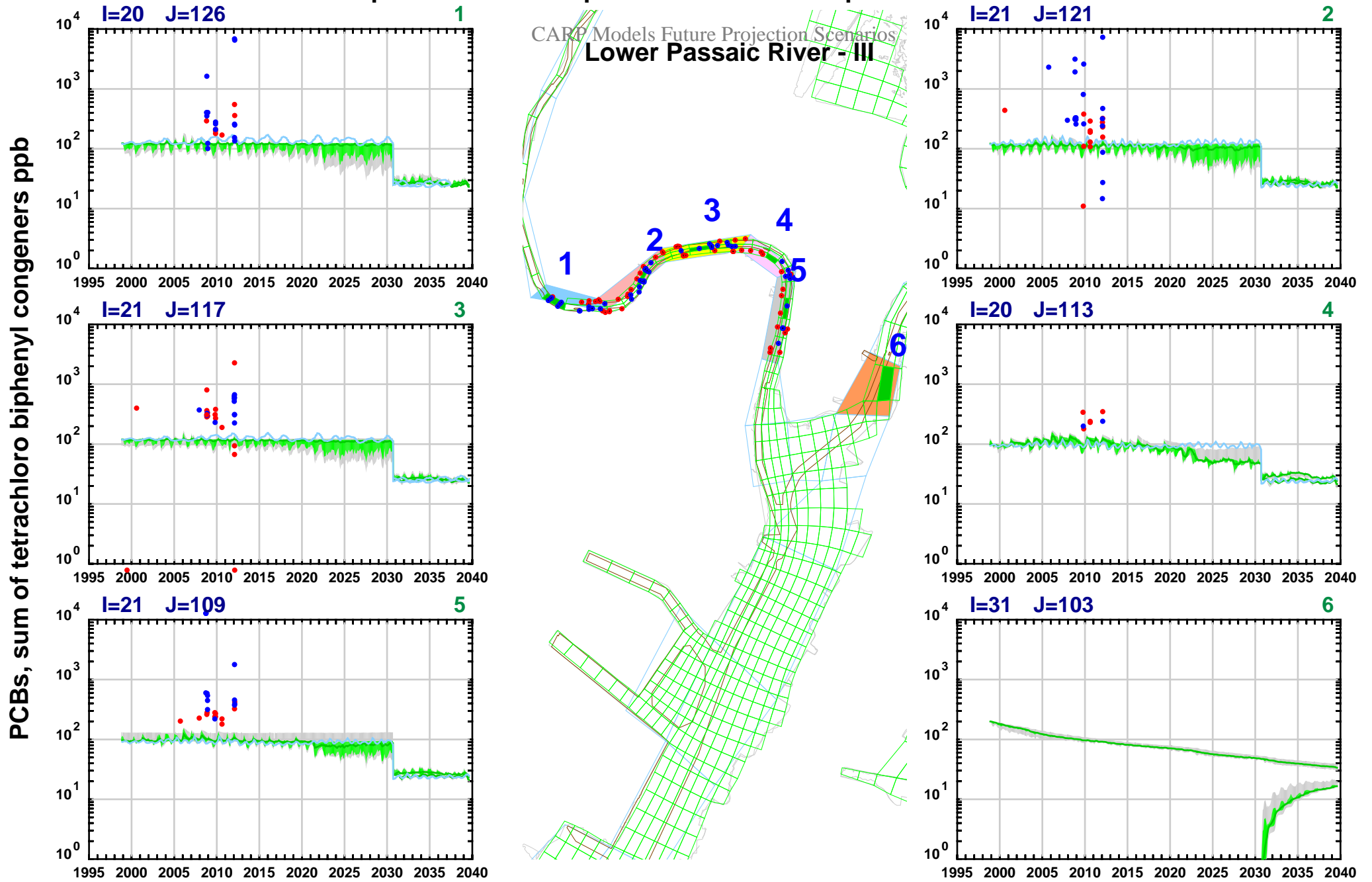


RUN18_PROJ01_PROJ02_R1

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

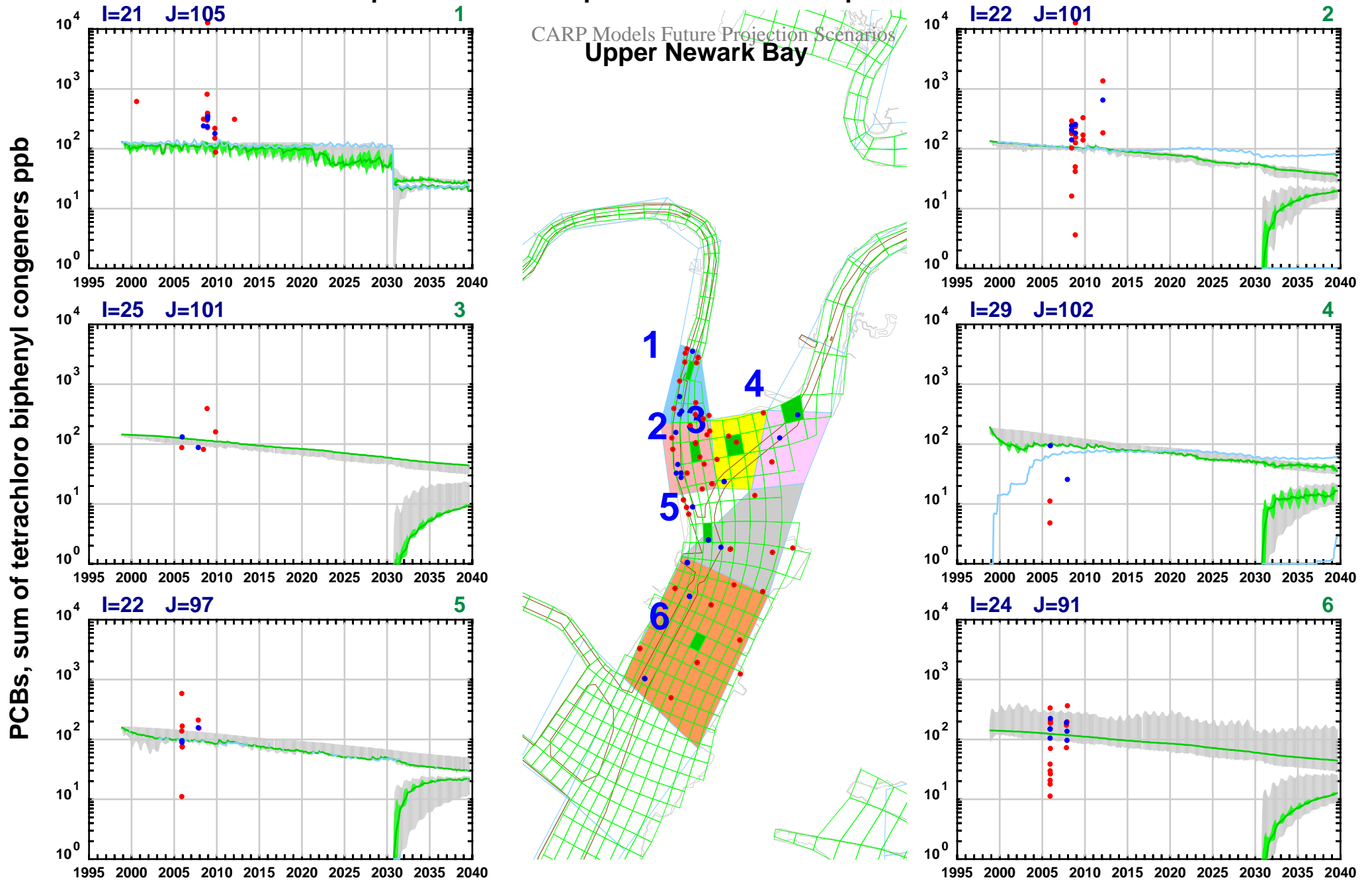
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

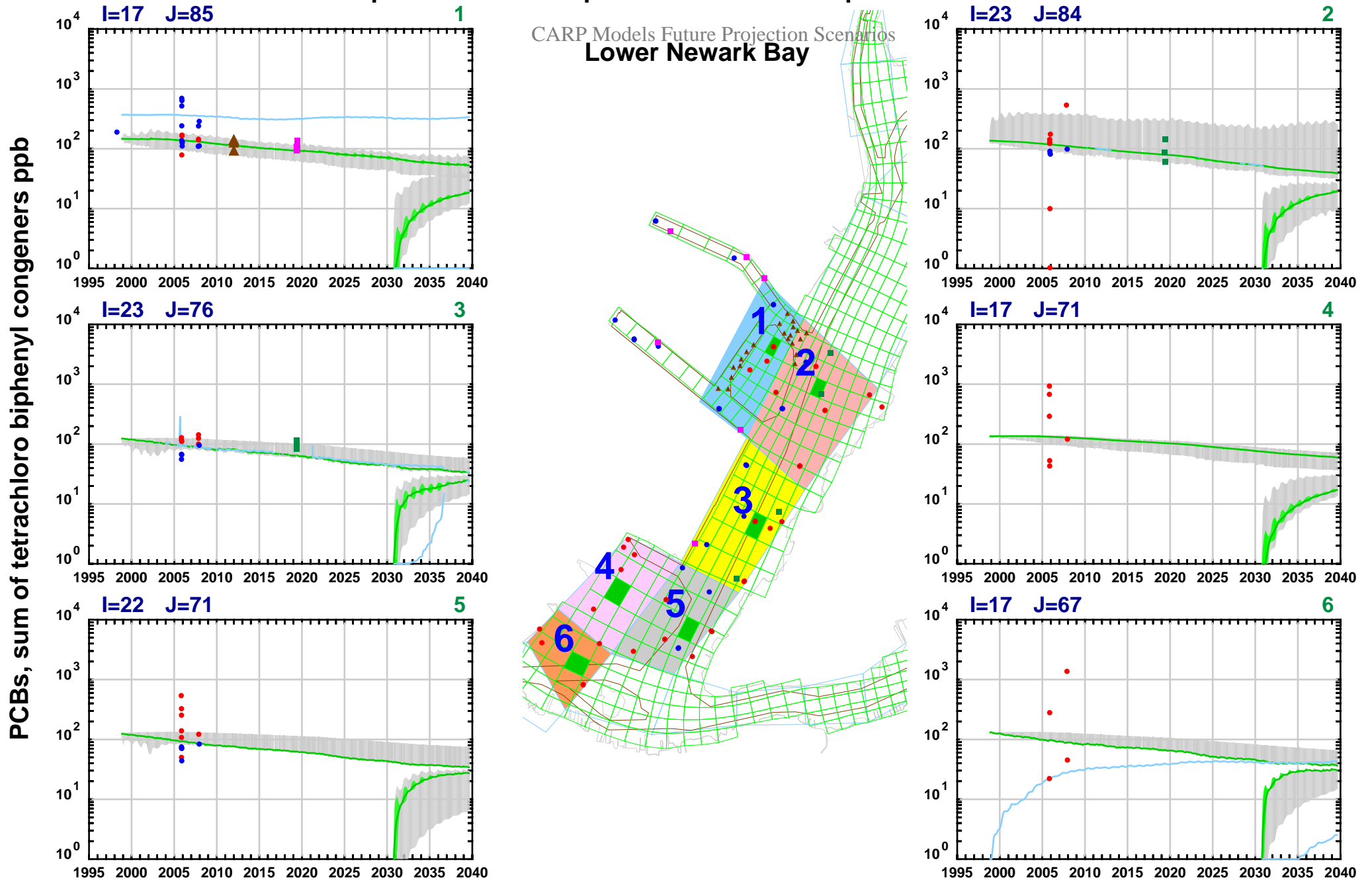


RUN18_PROJ01_PROJ02_R1

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

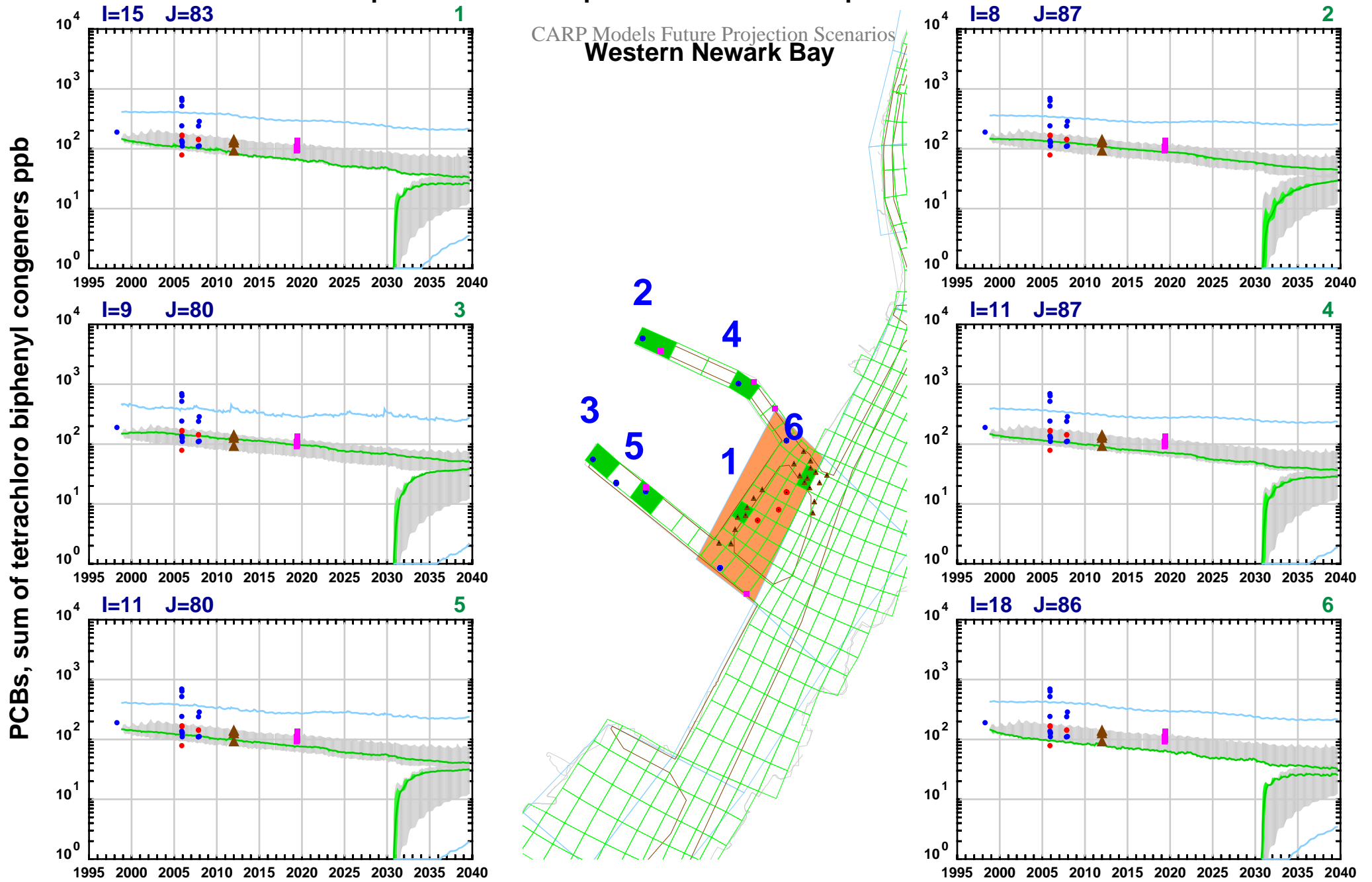
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment



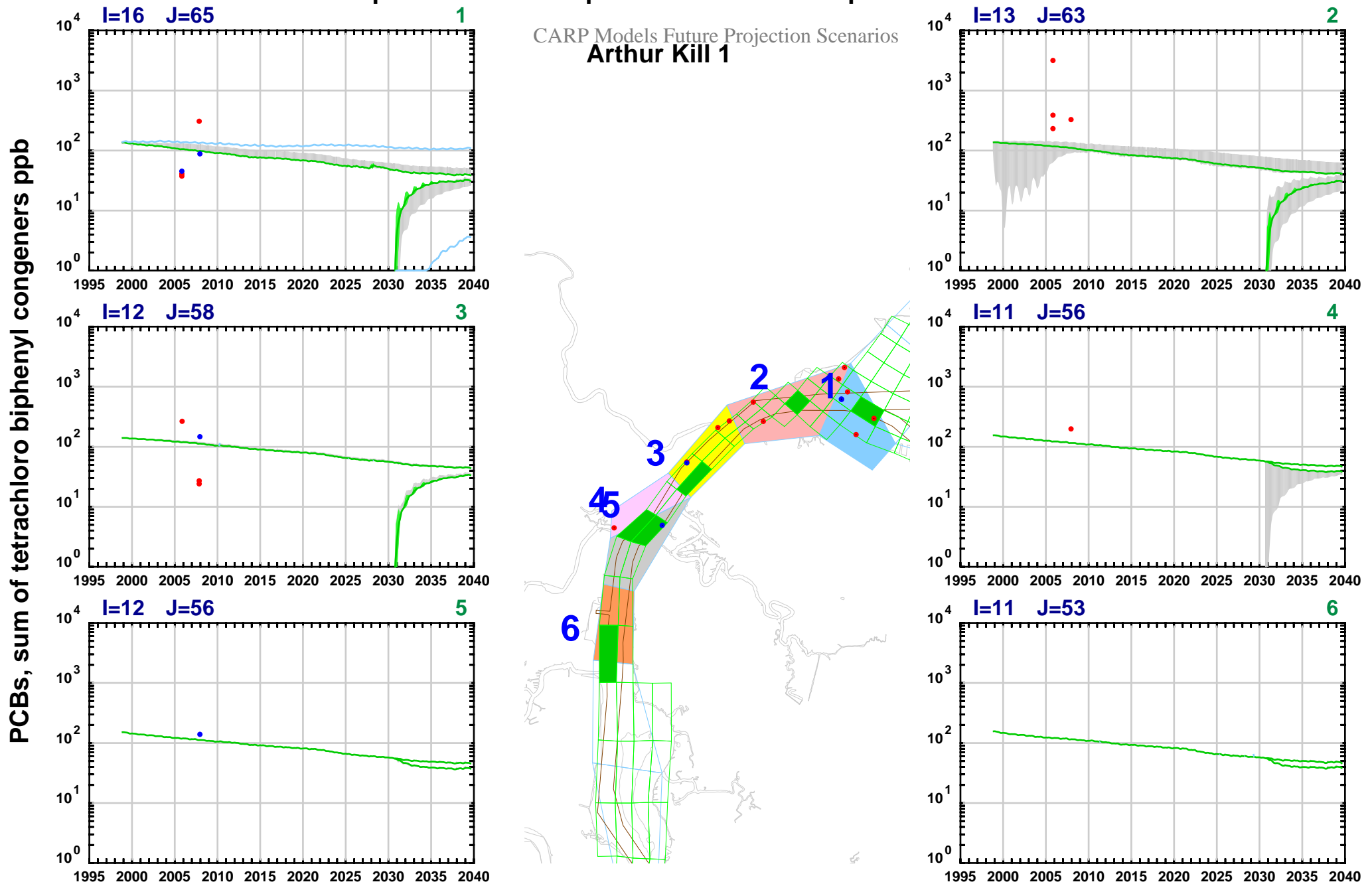
RUN18_PROJ01_PROJ02_R1

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

● In-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

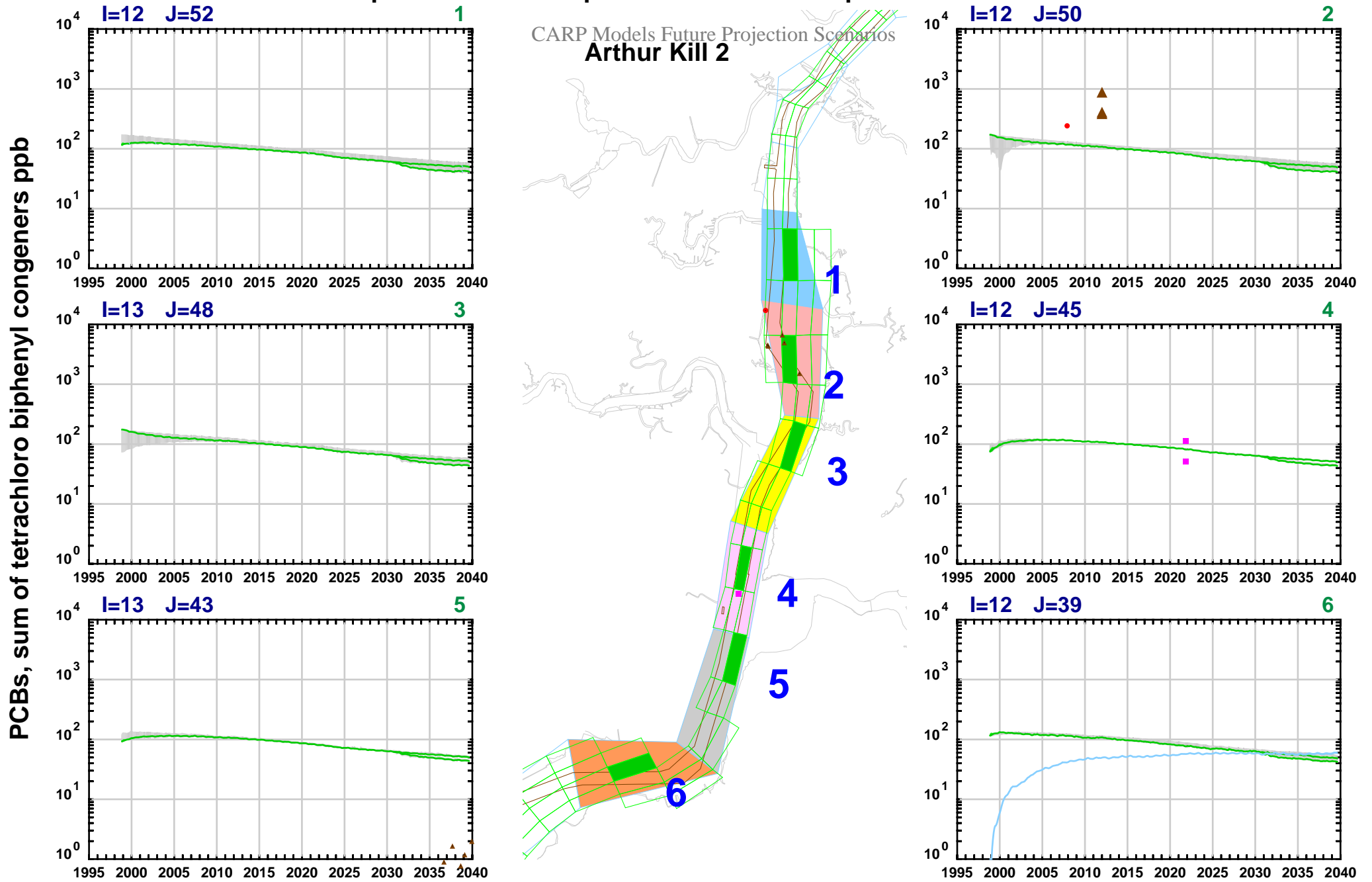


RUN18_PROJ01_PROJ02_R1

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

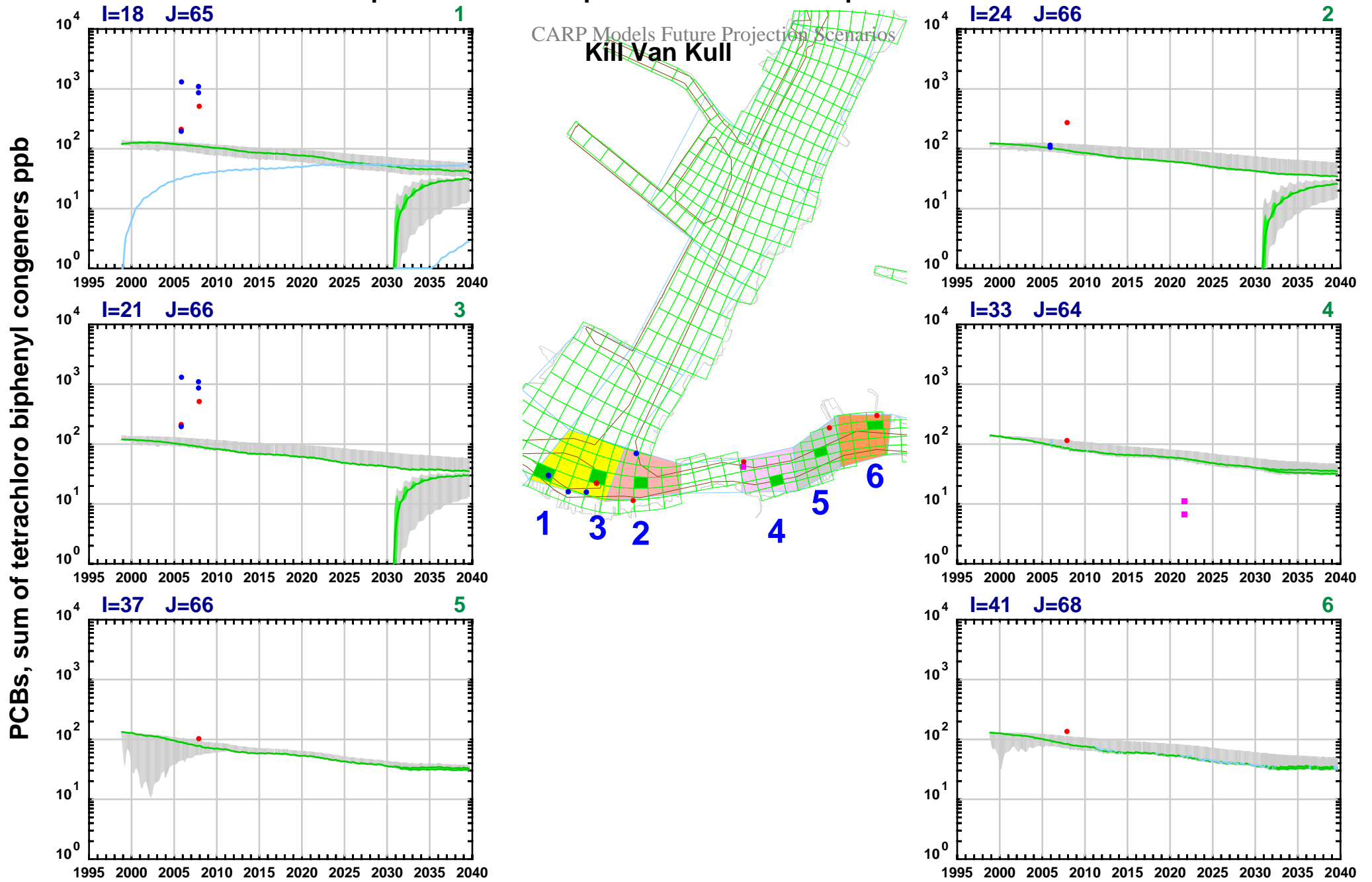
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

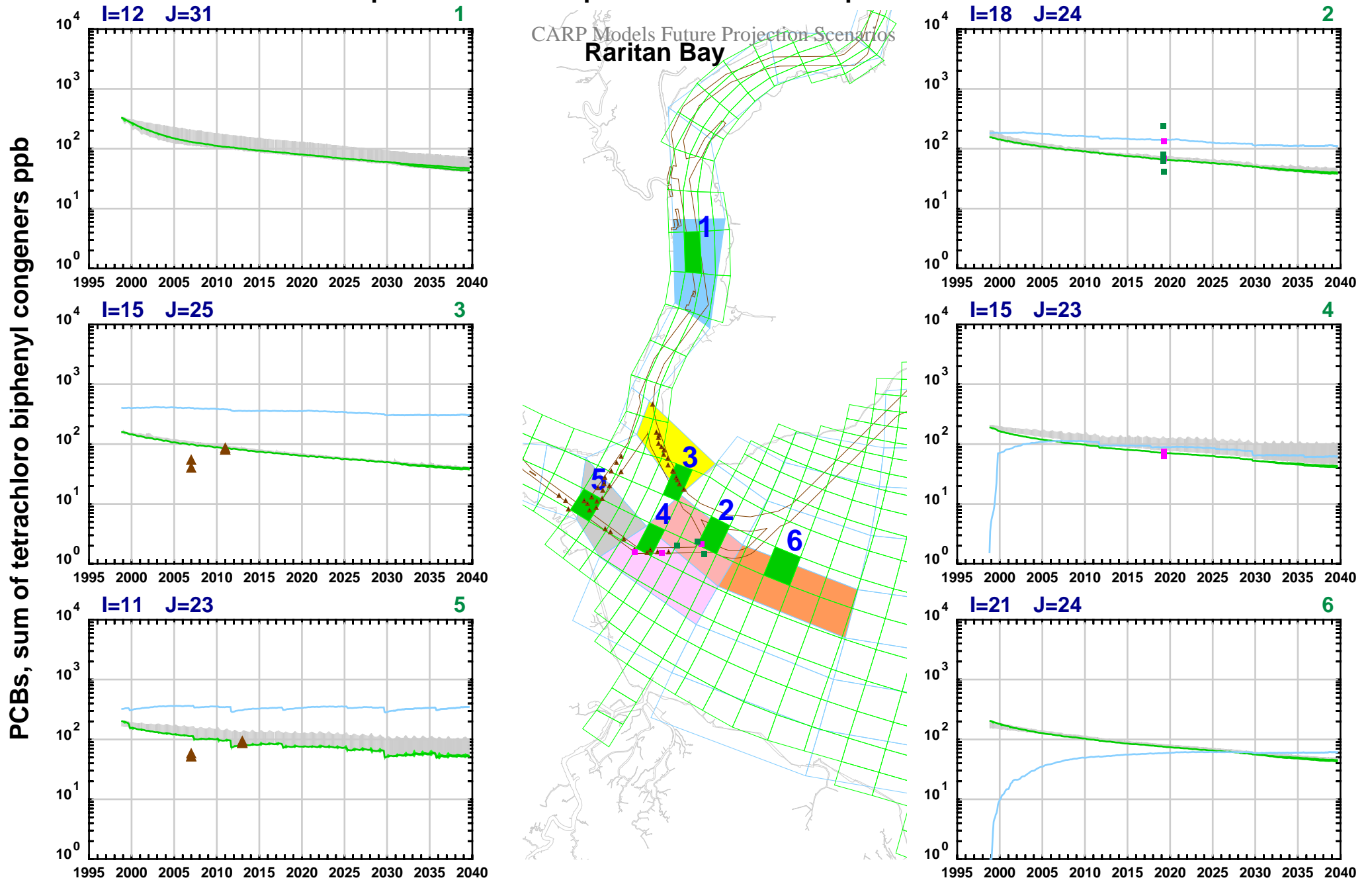


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

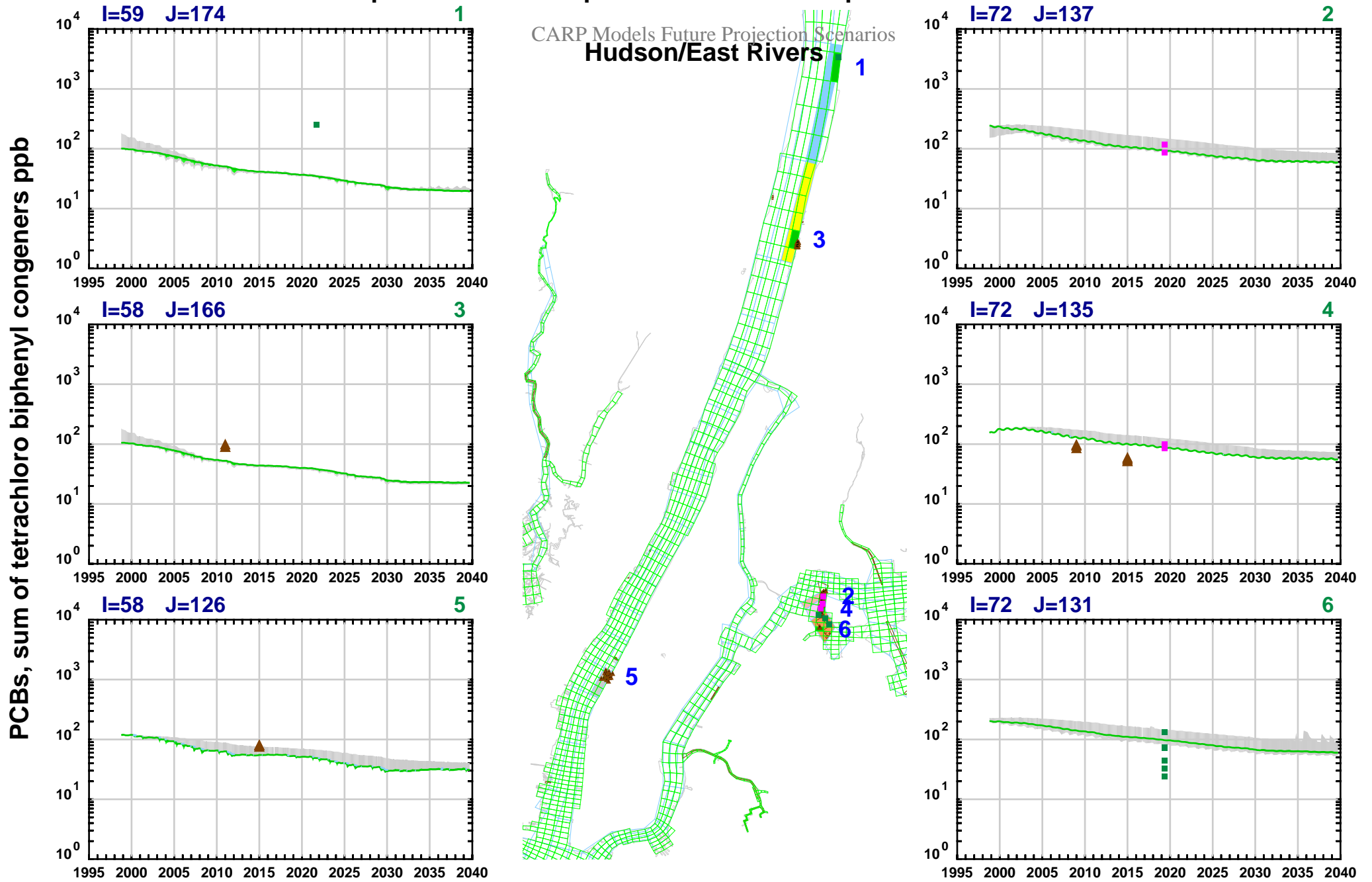


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

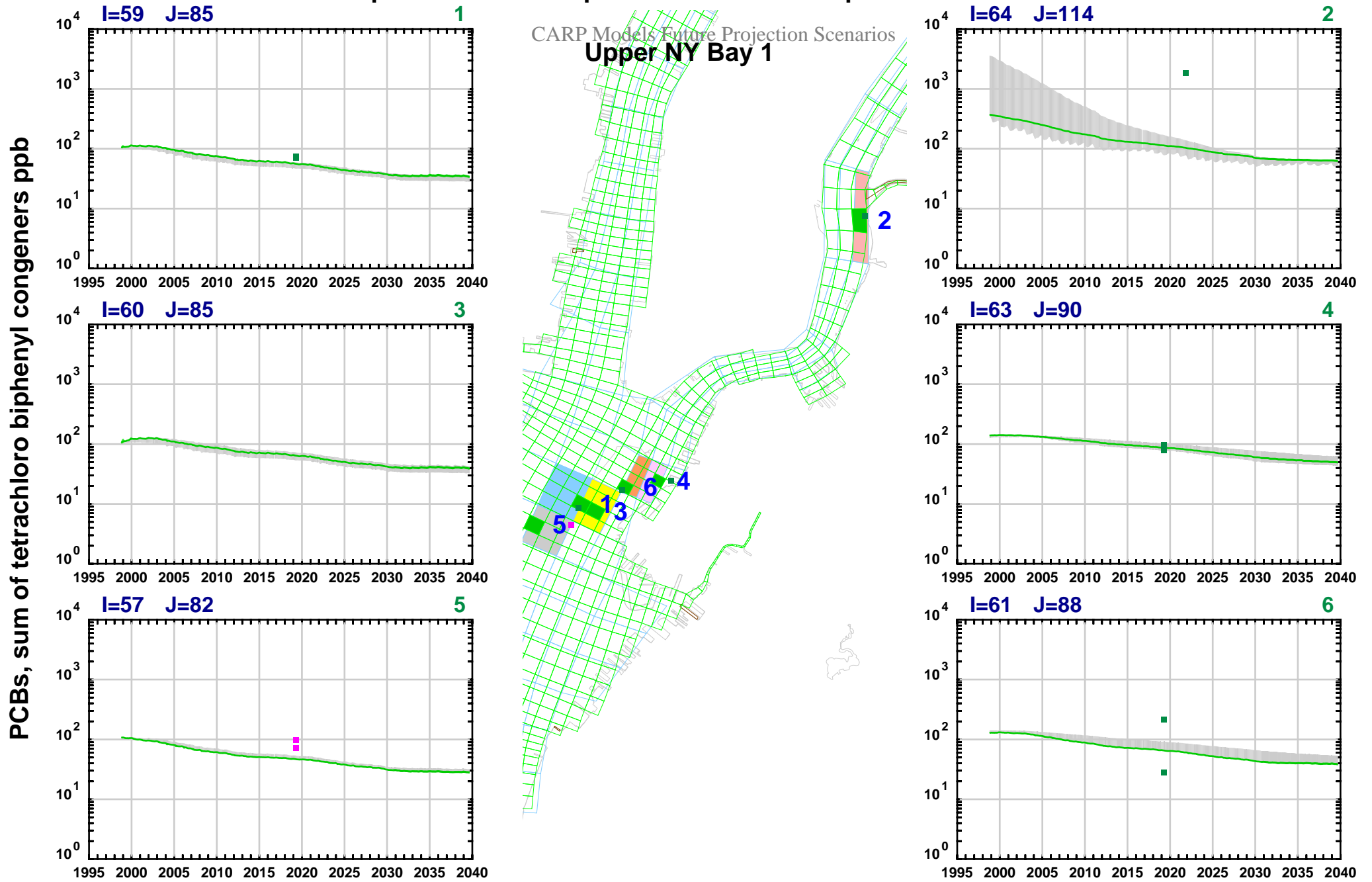


RUN18_PROJ01_PROJ02_R1

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

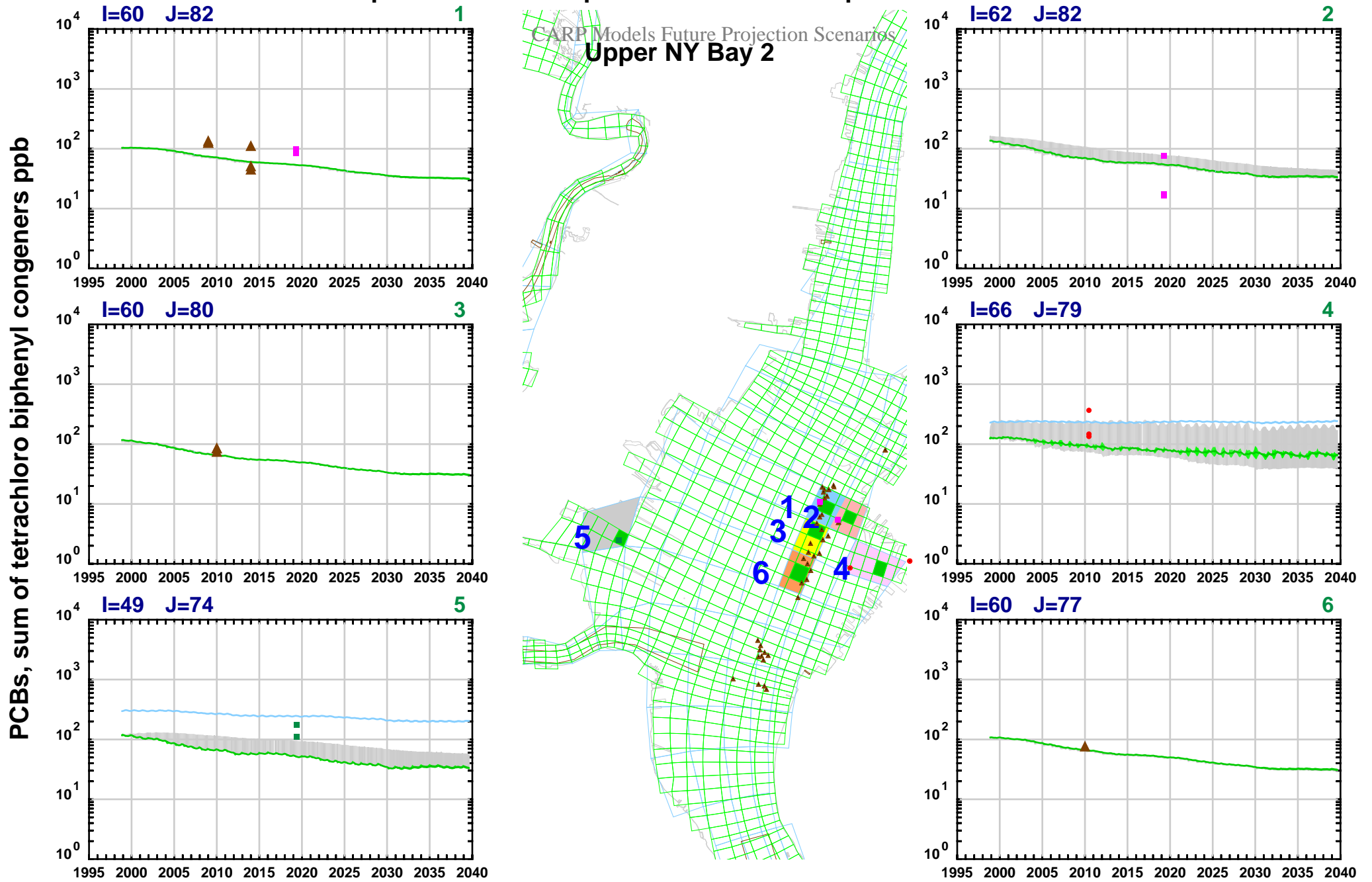
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

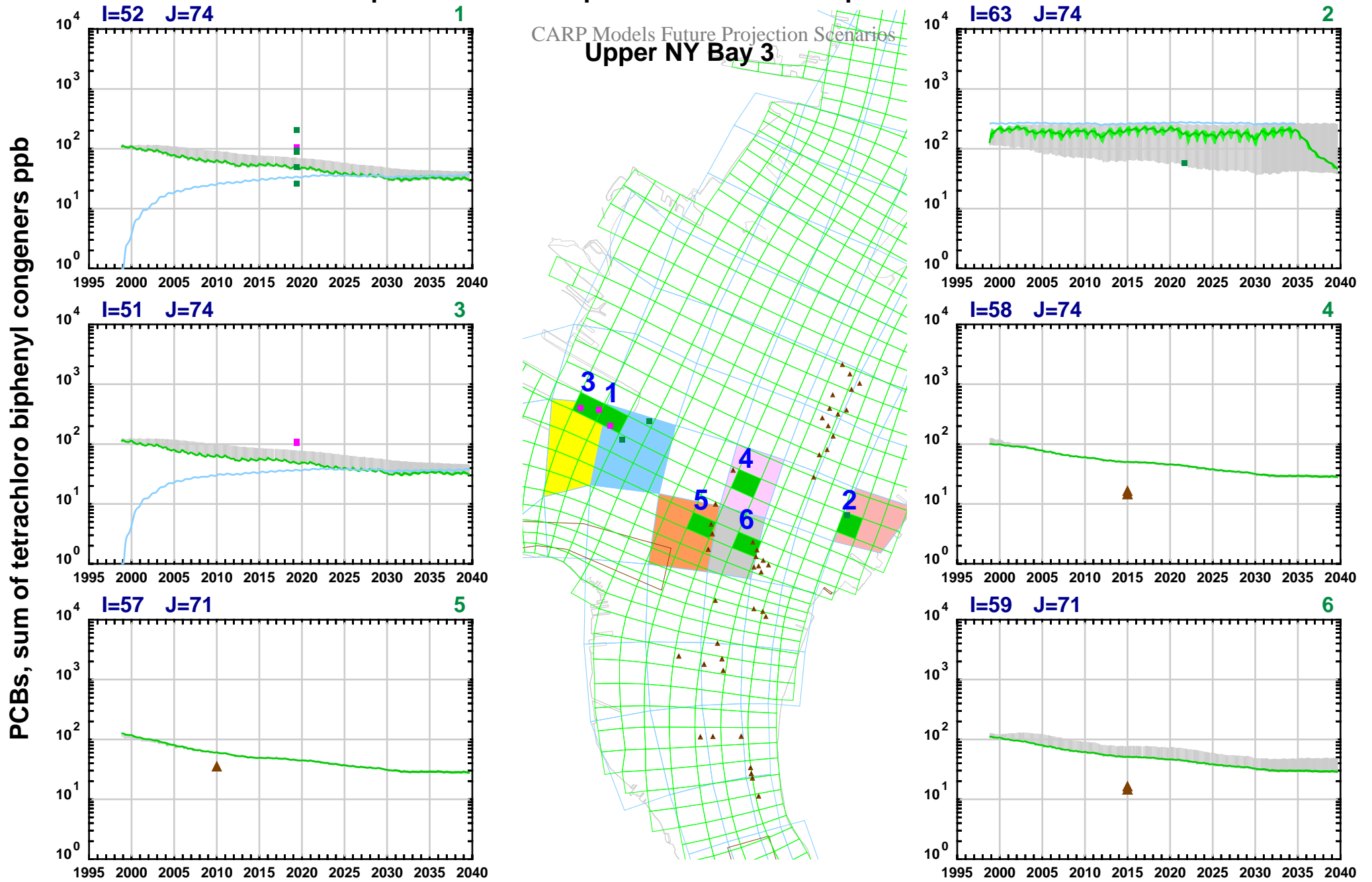


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

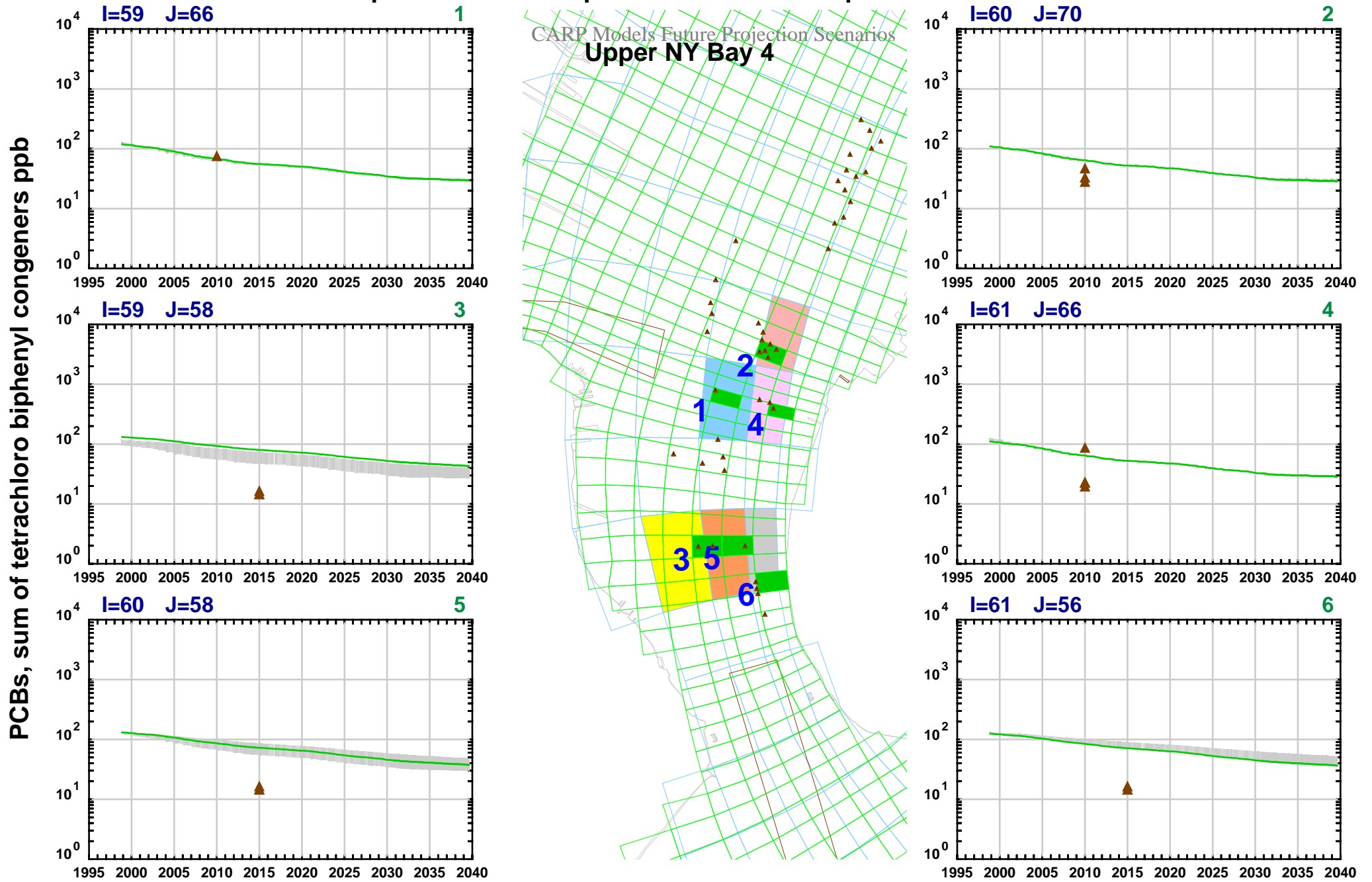


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

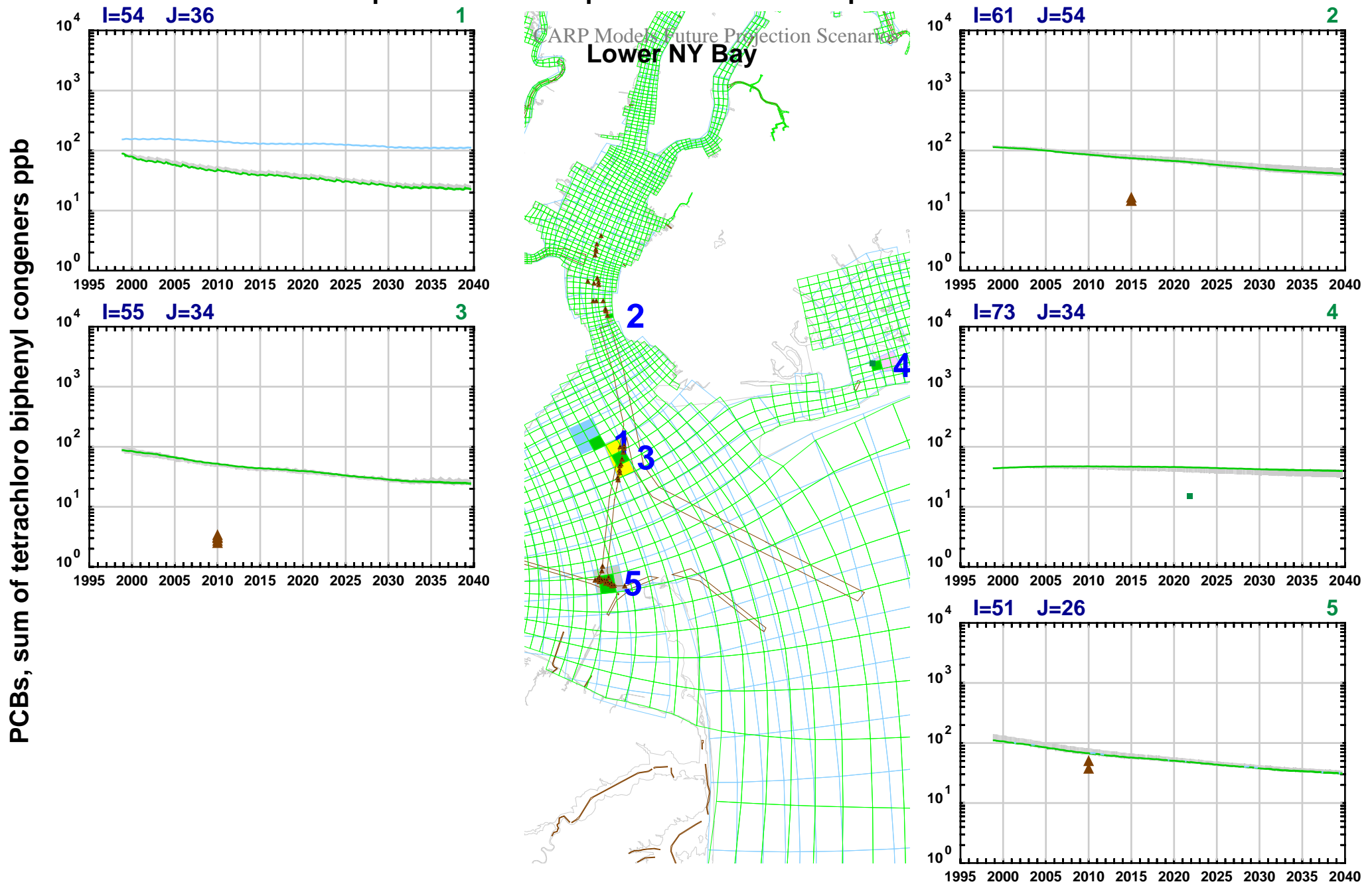


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



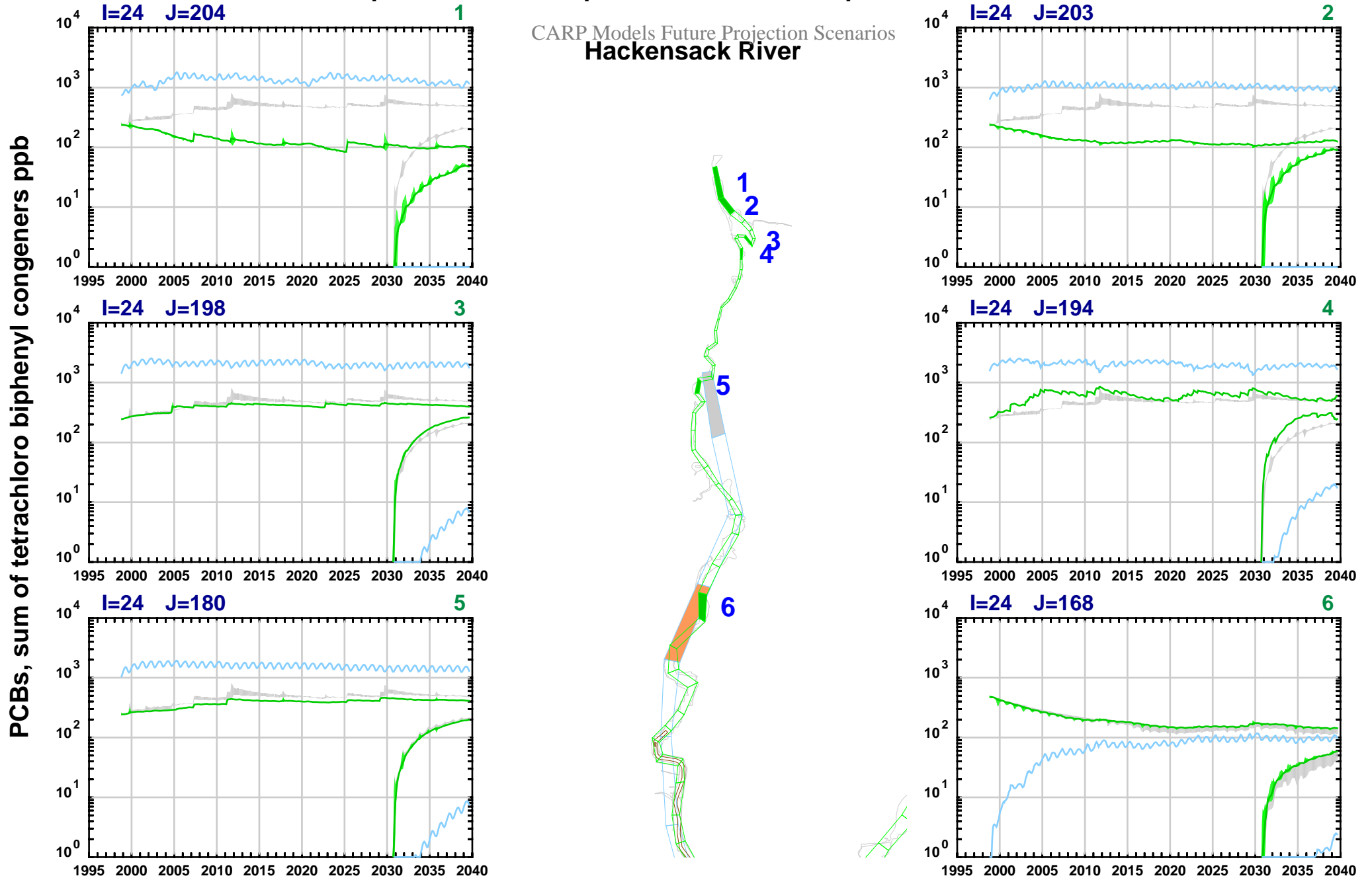
RUN18_PROJ01_PROJ02_R1

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

● In-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

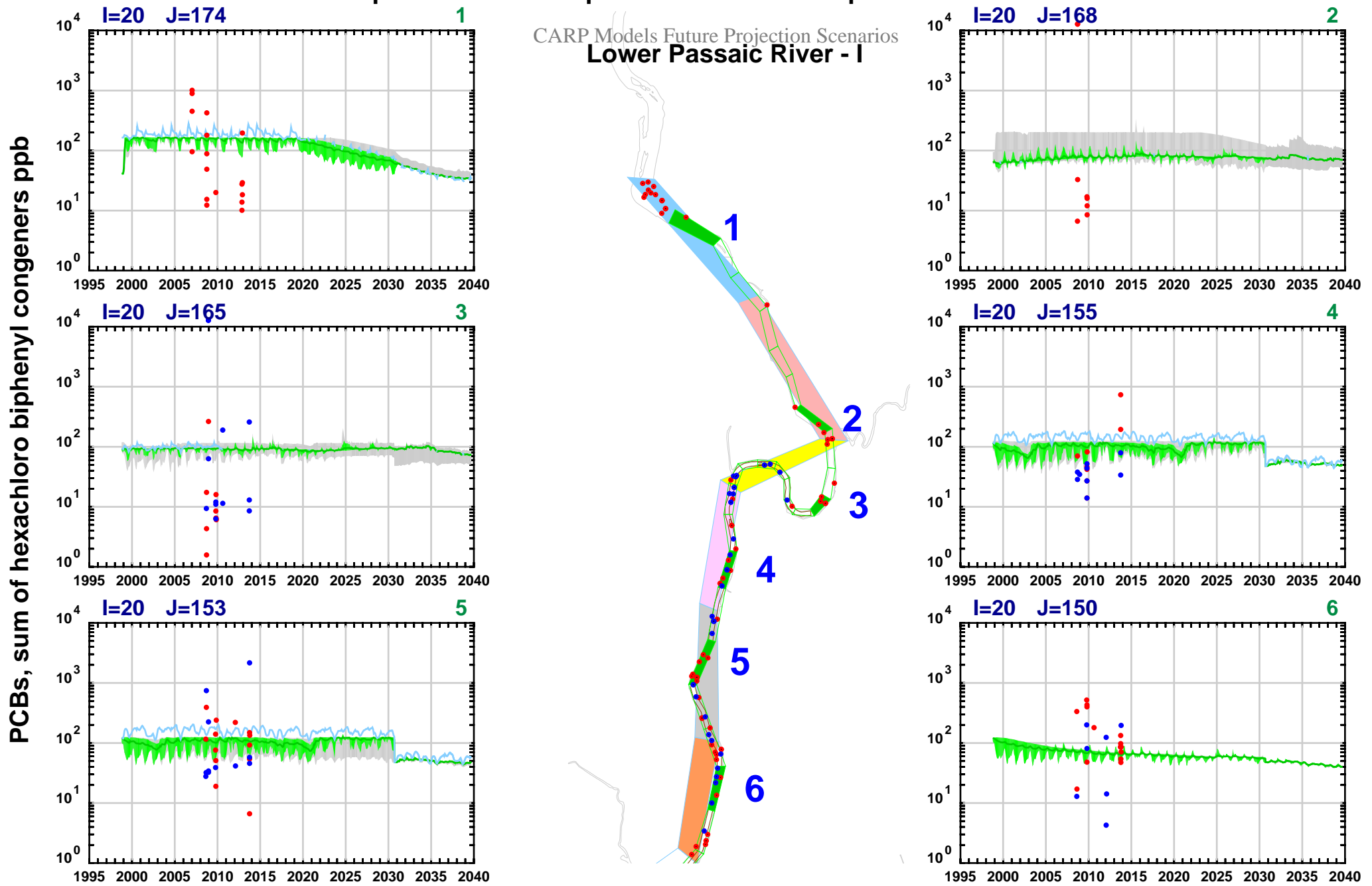


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

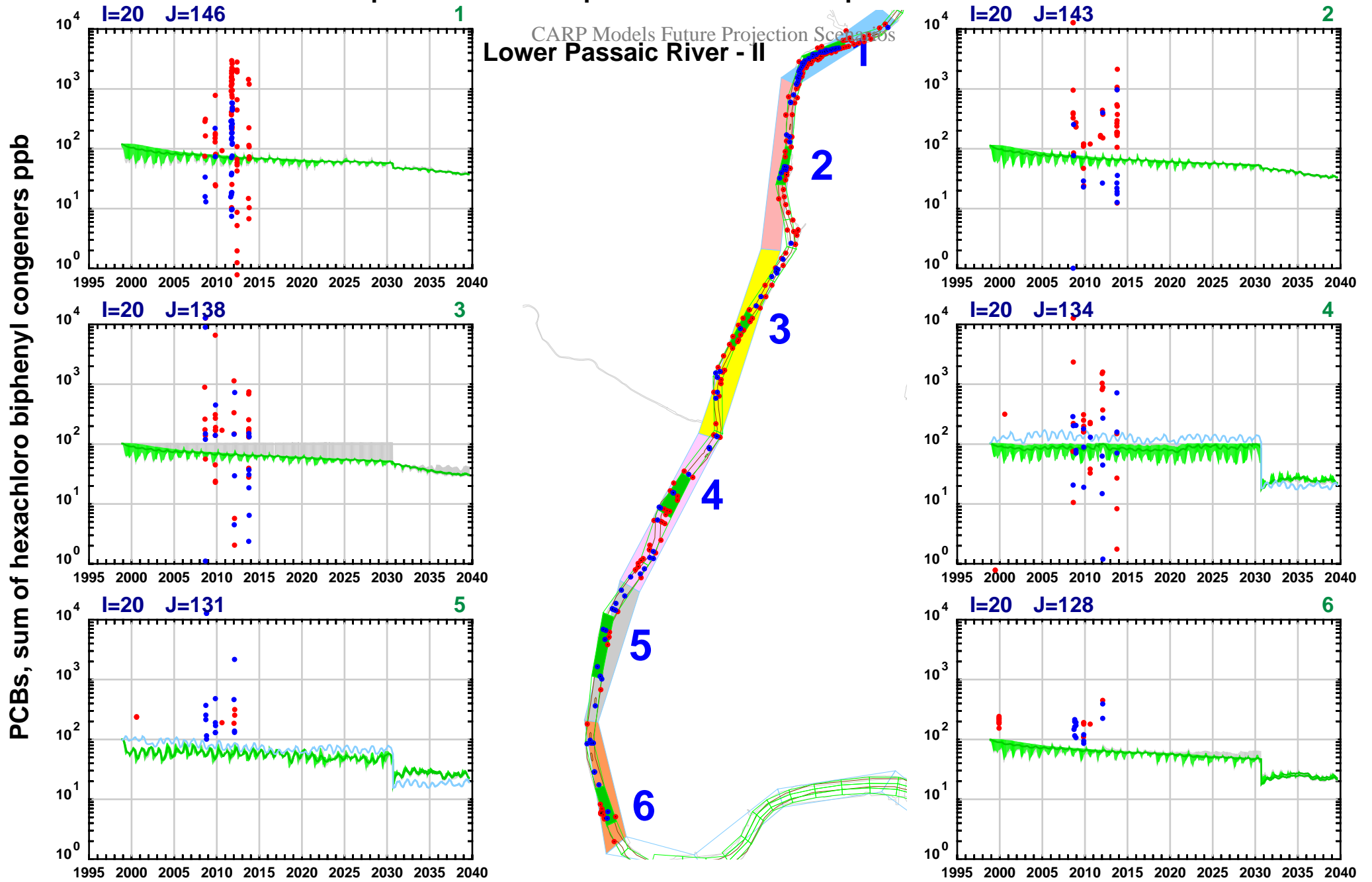


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



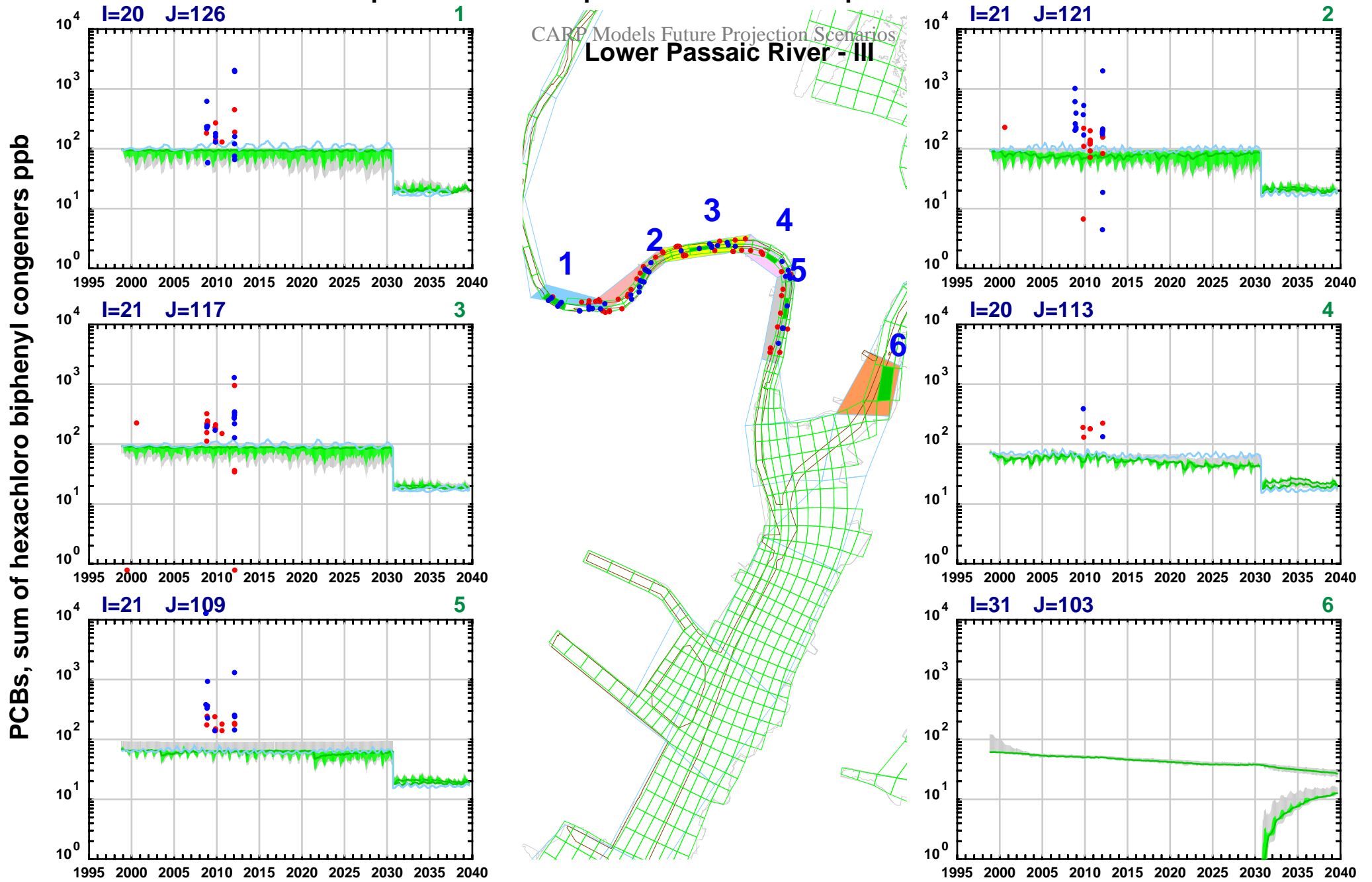
CARP Models Future Projection Scenarios
Lower Passaic River - II

RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

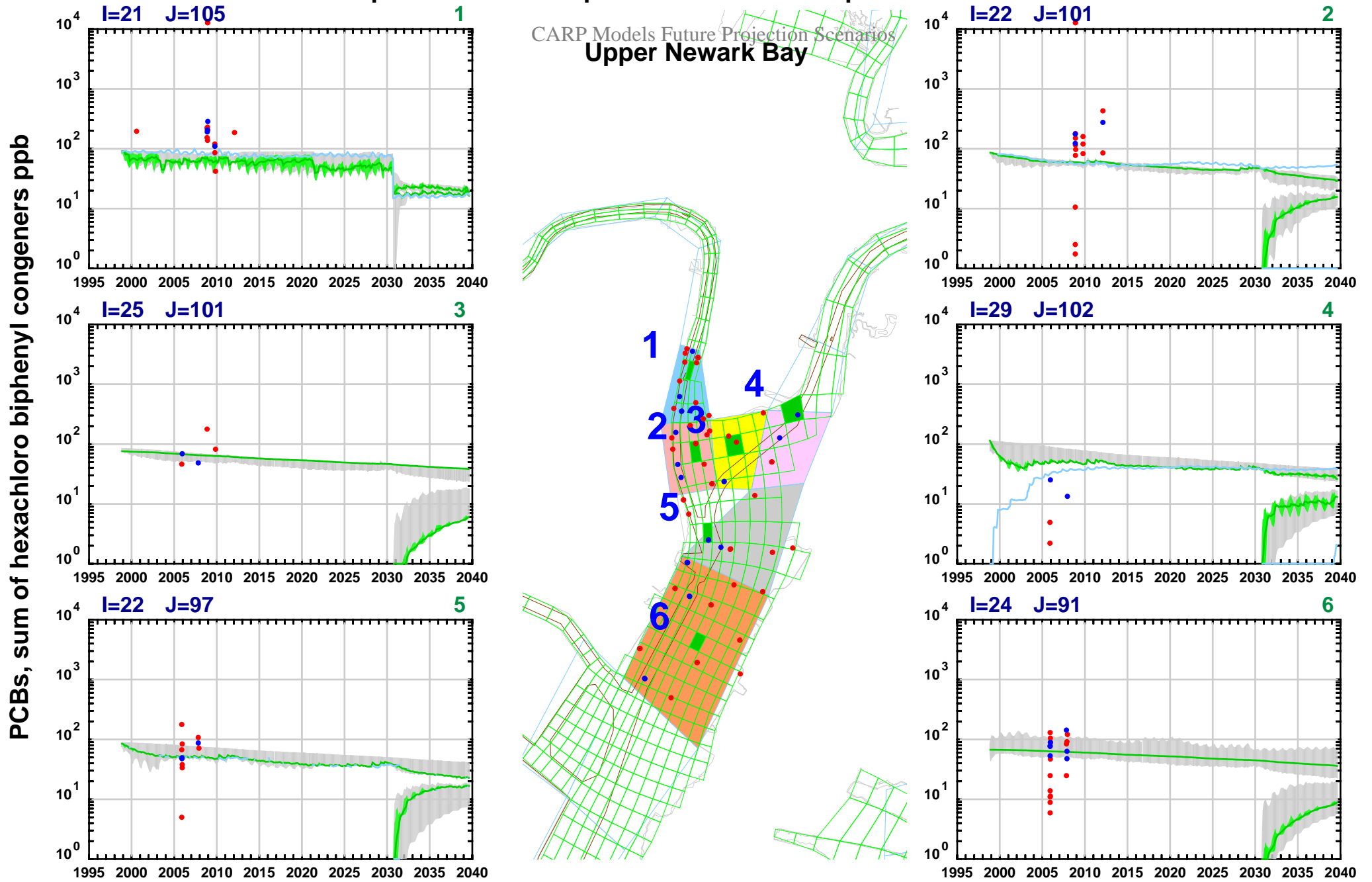


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

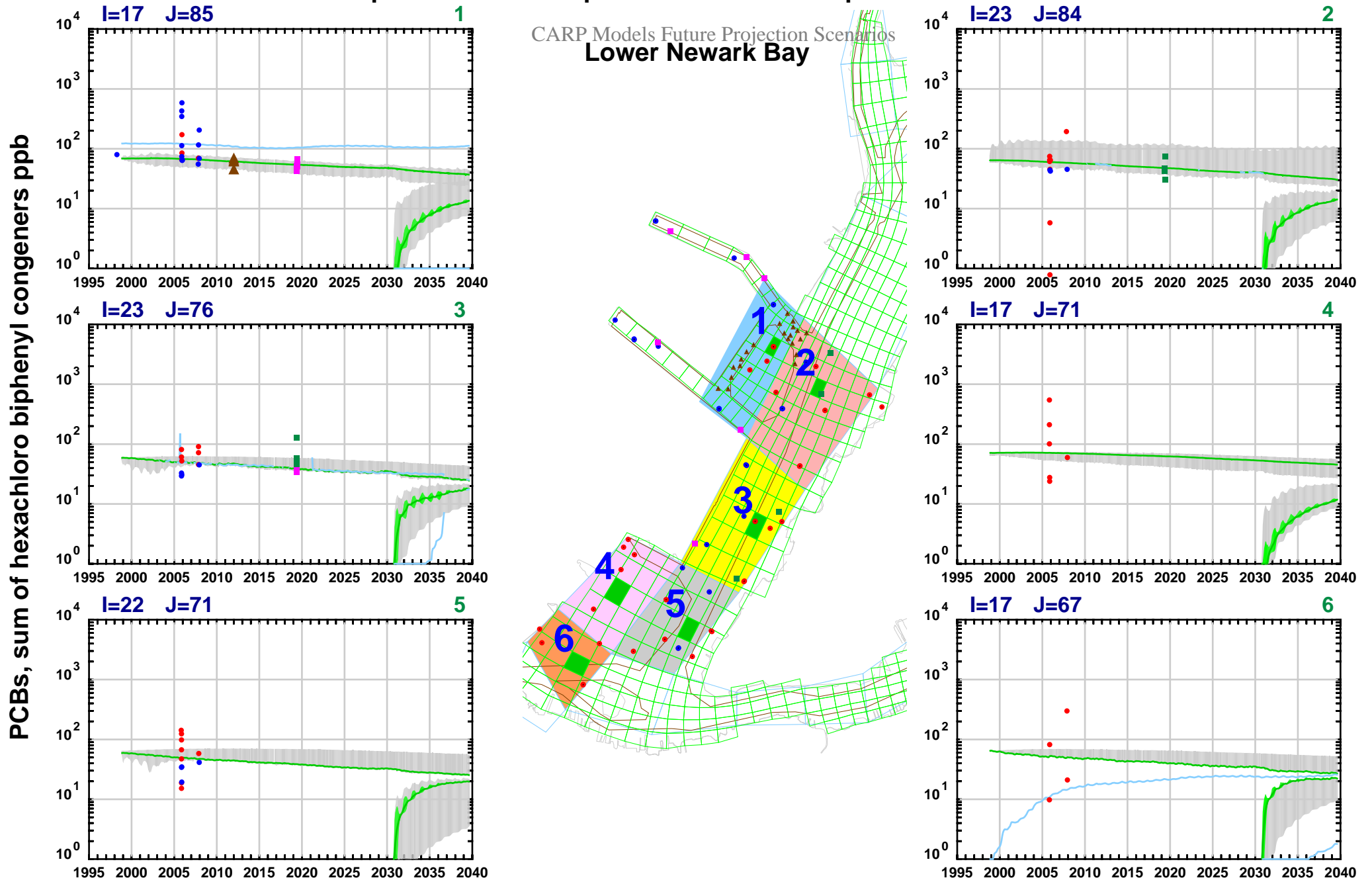


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

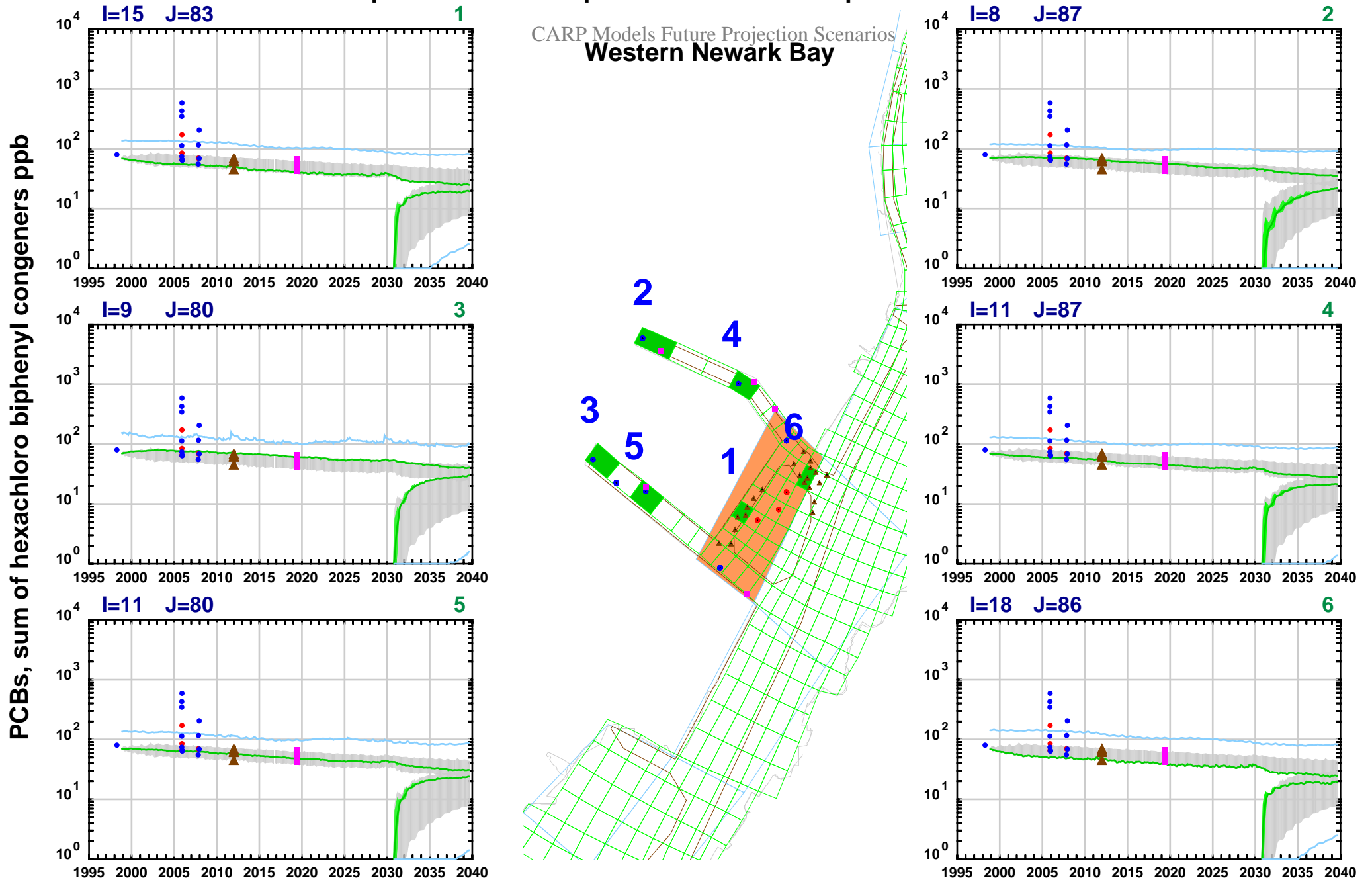


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



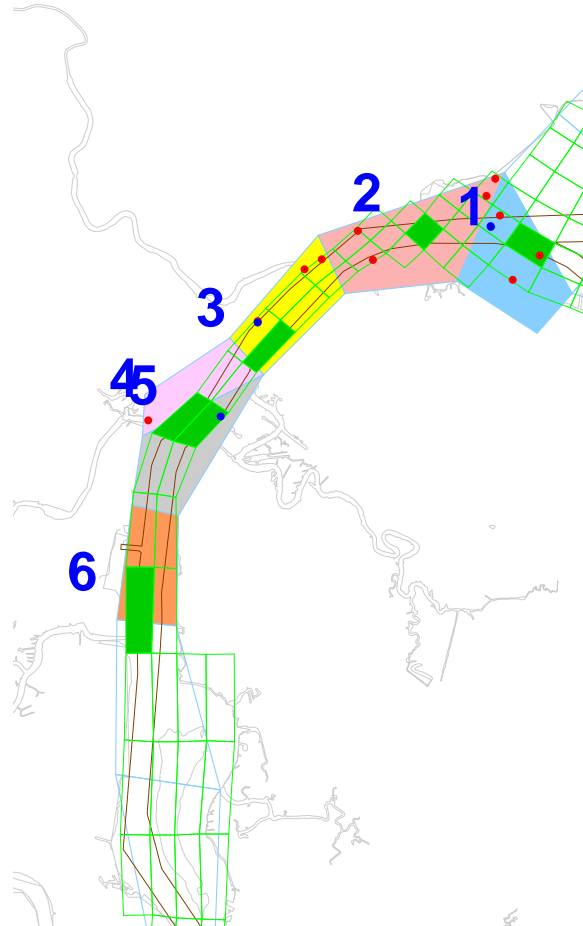
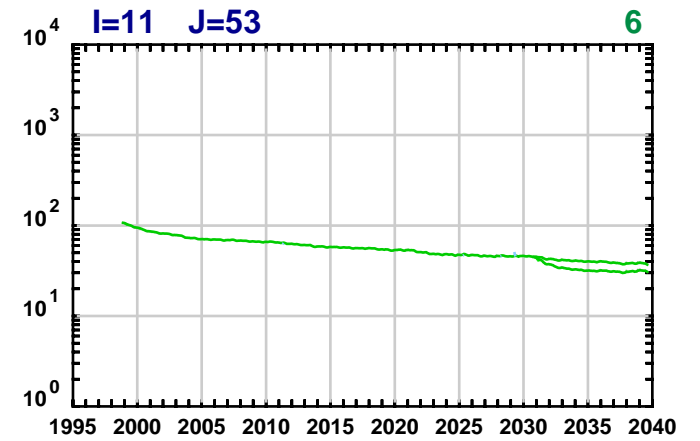
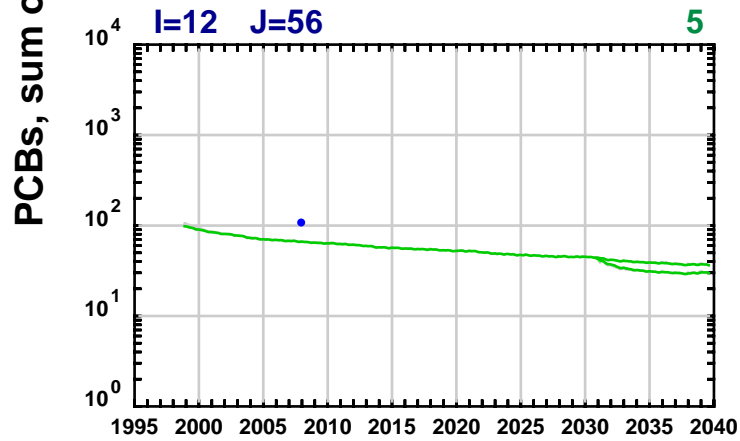
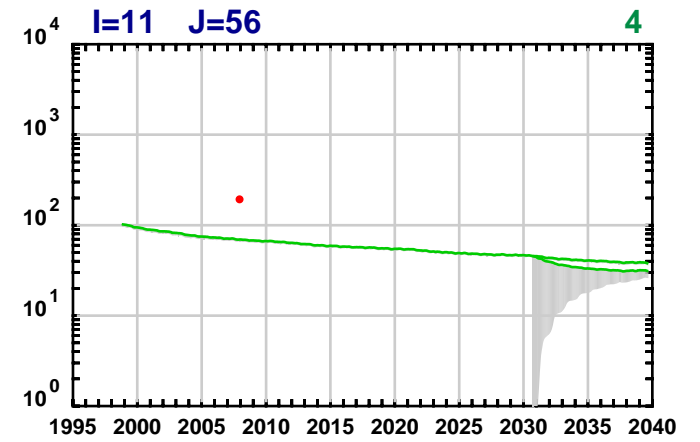
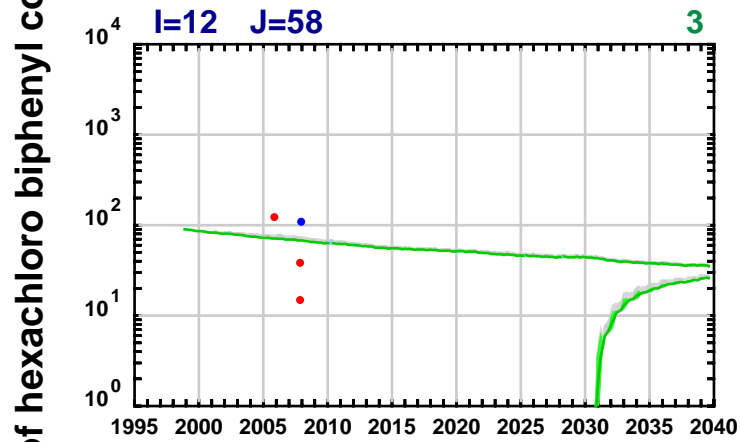
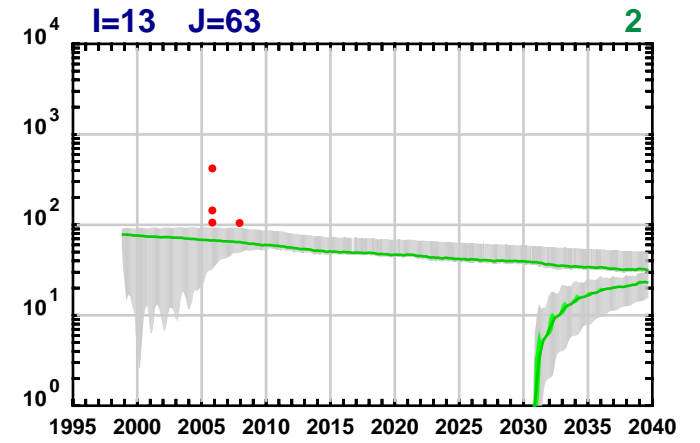
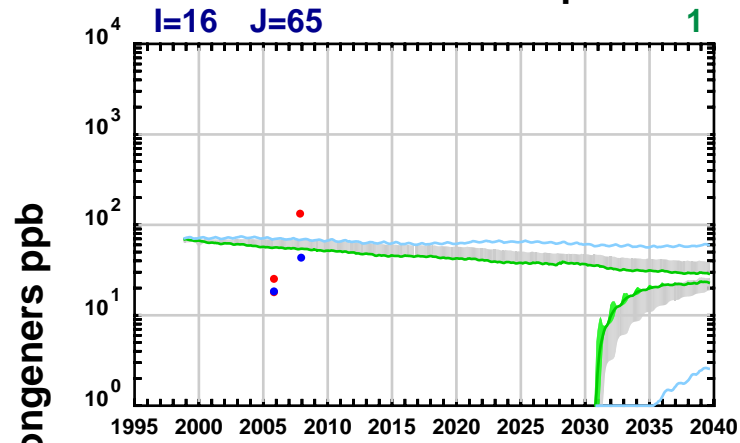
RUN18_PROJ01_PROJ02_R1

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

● In-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

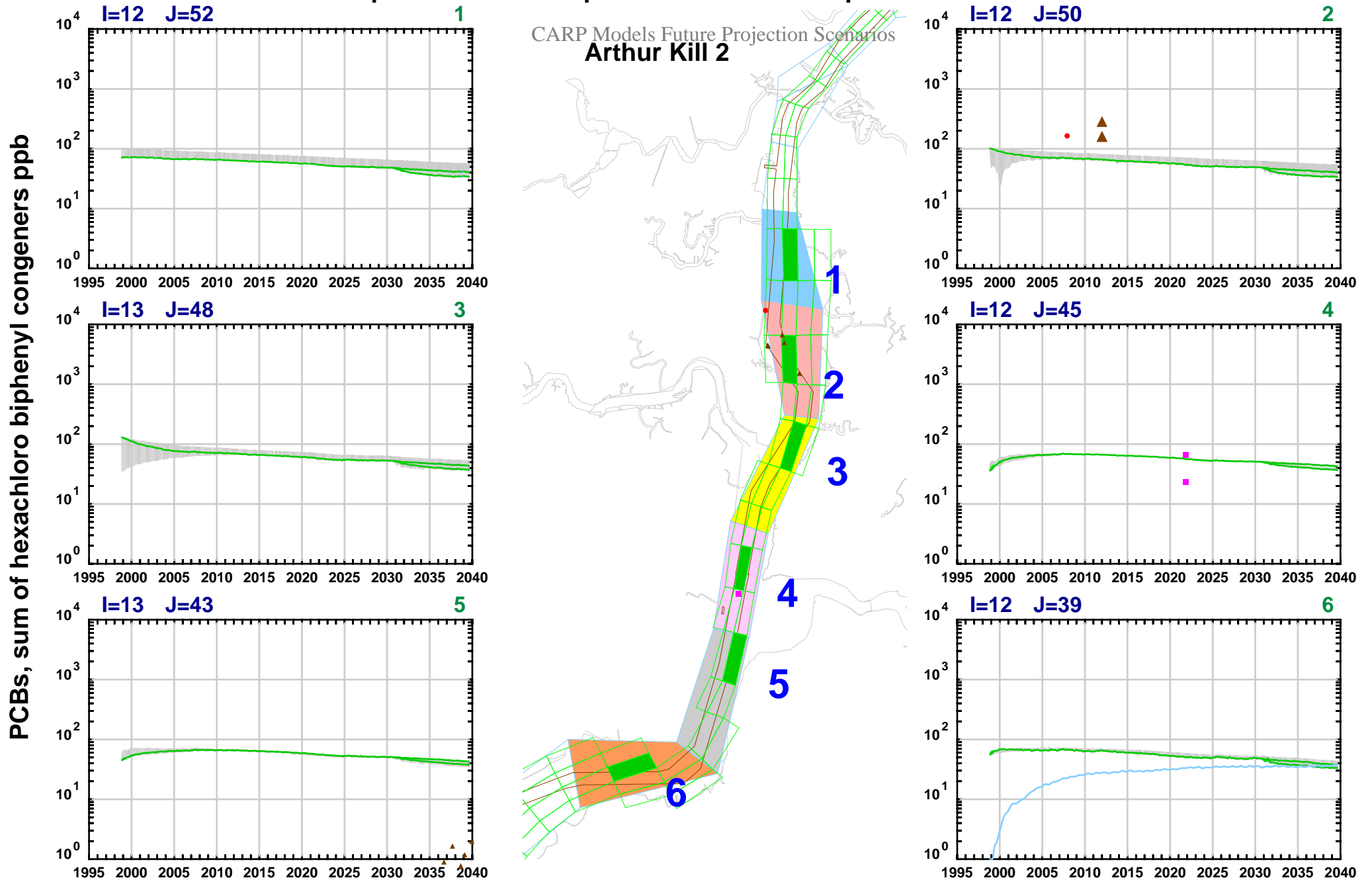


RUN18_PROJ01_PROJ02_R1

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

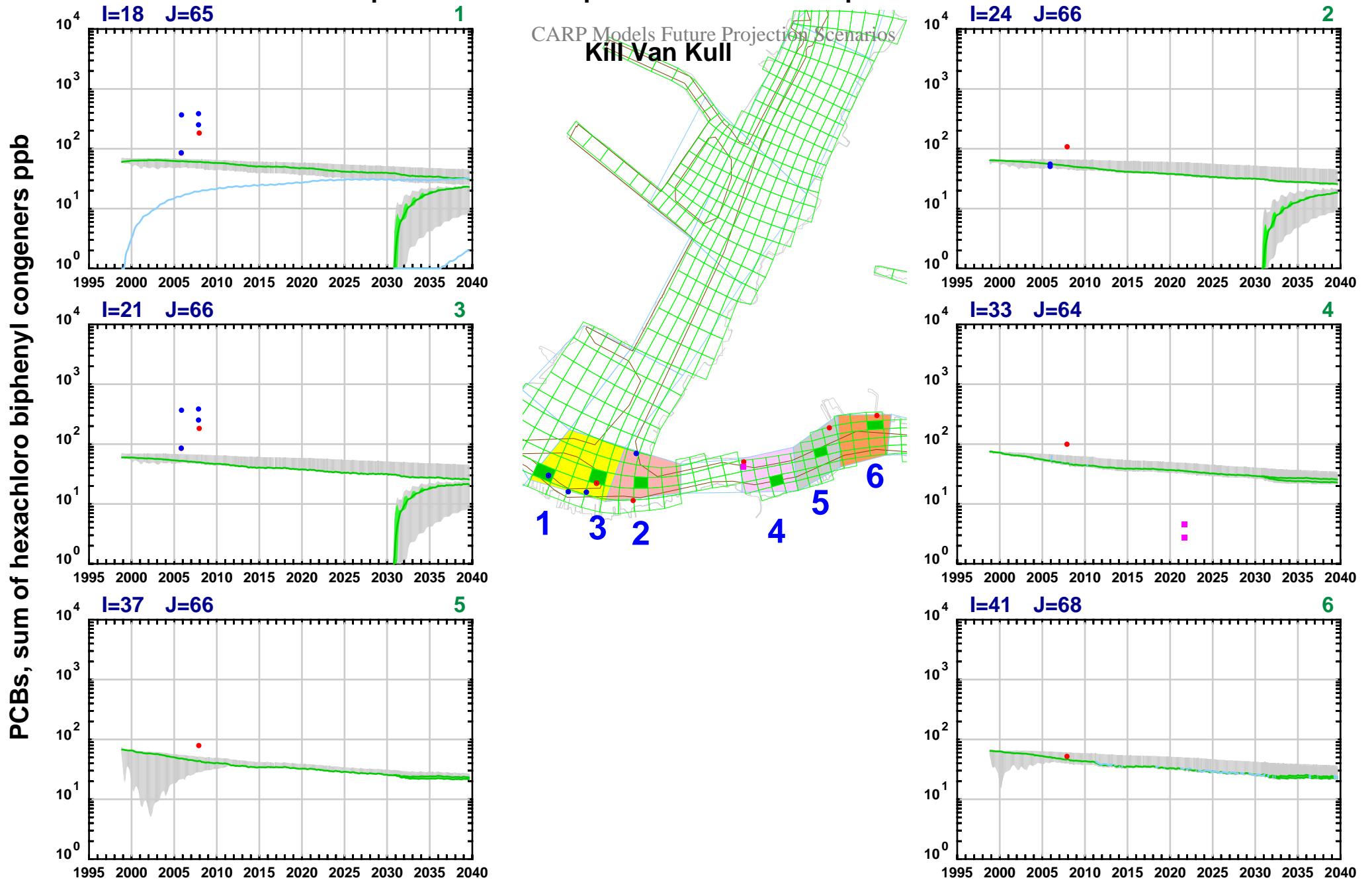
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



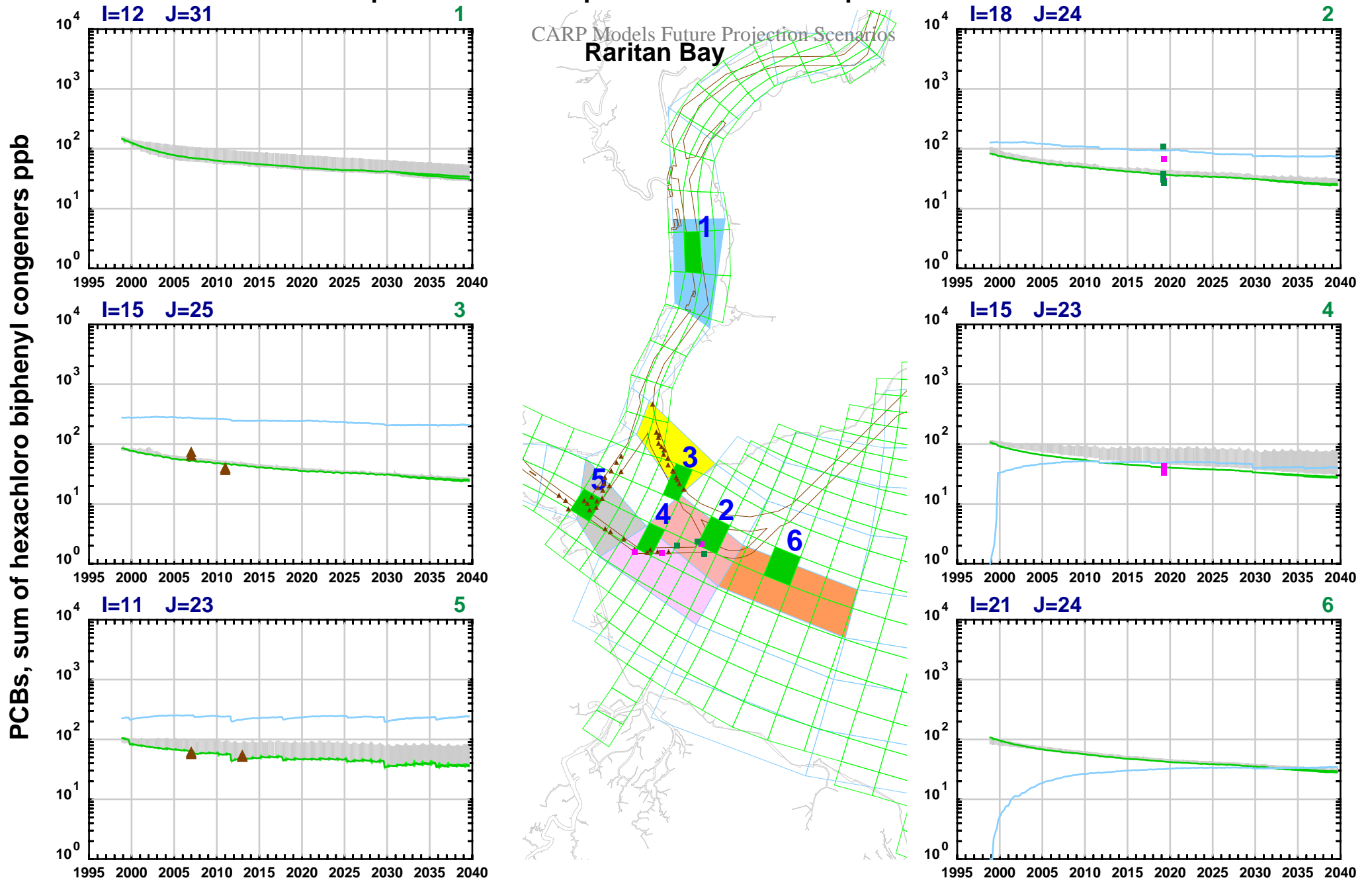
RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

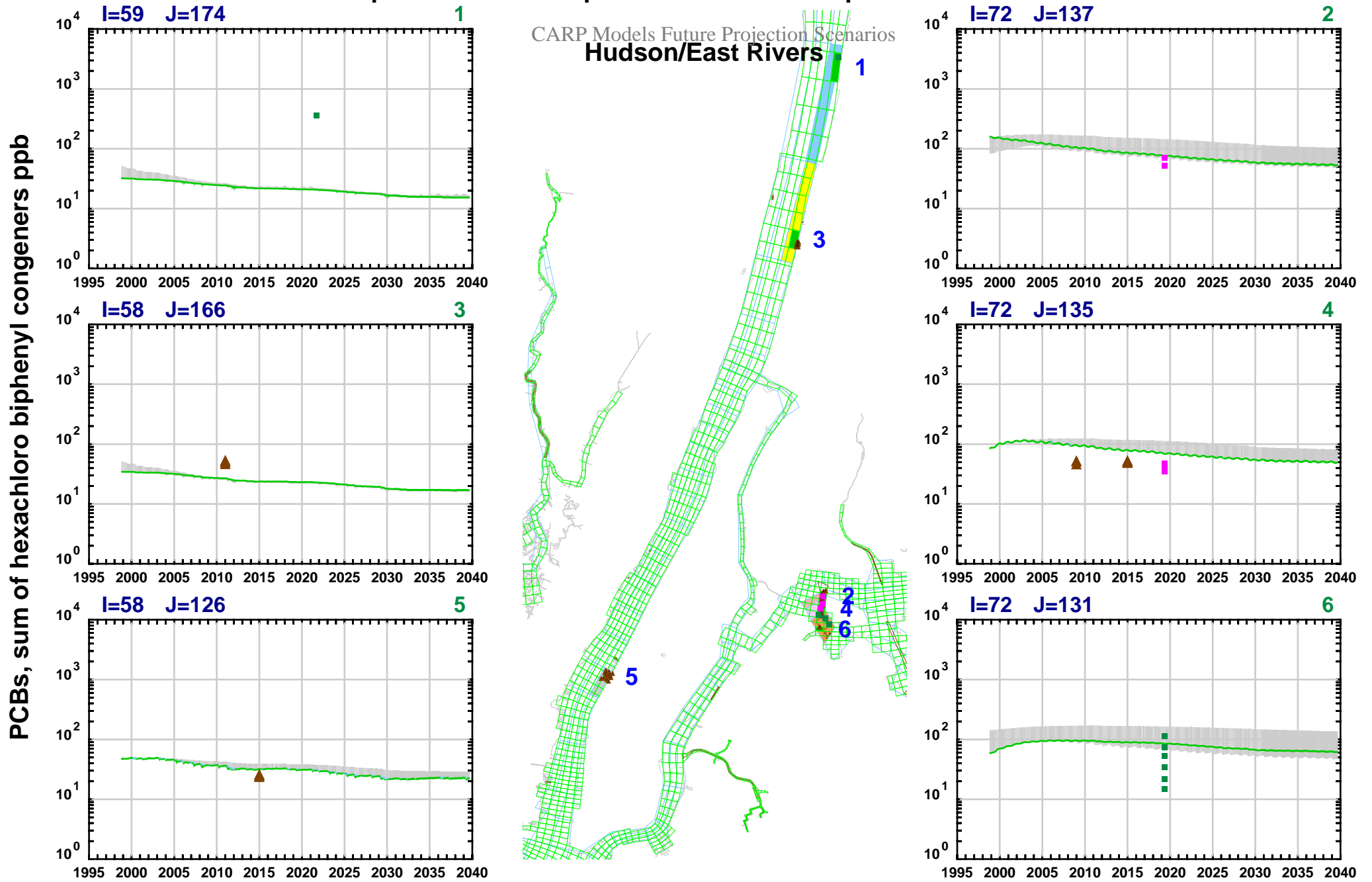


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

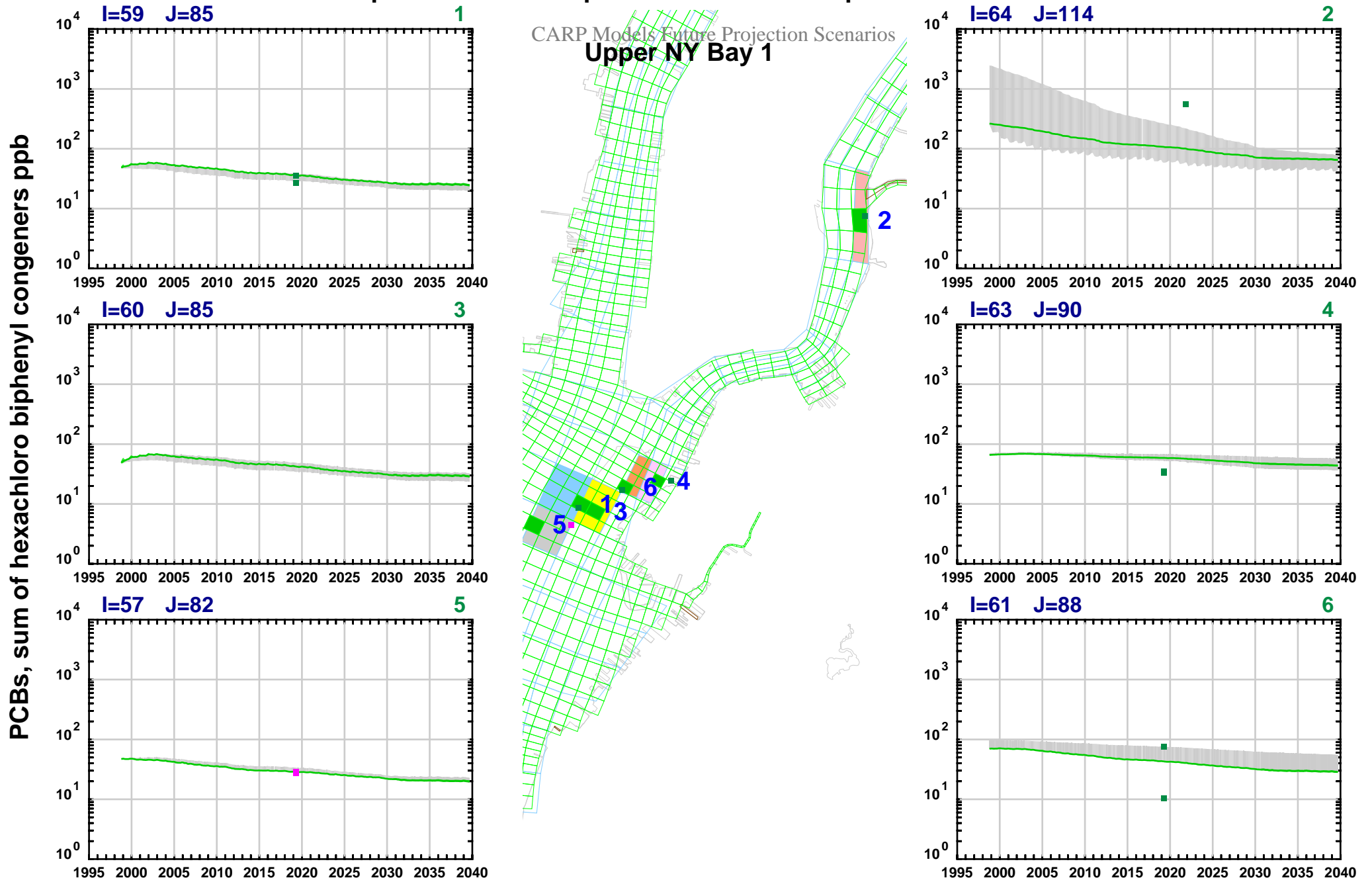


RUN18_PROJ01_PROJ02_R1

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

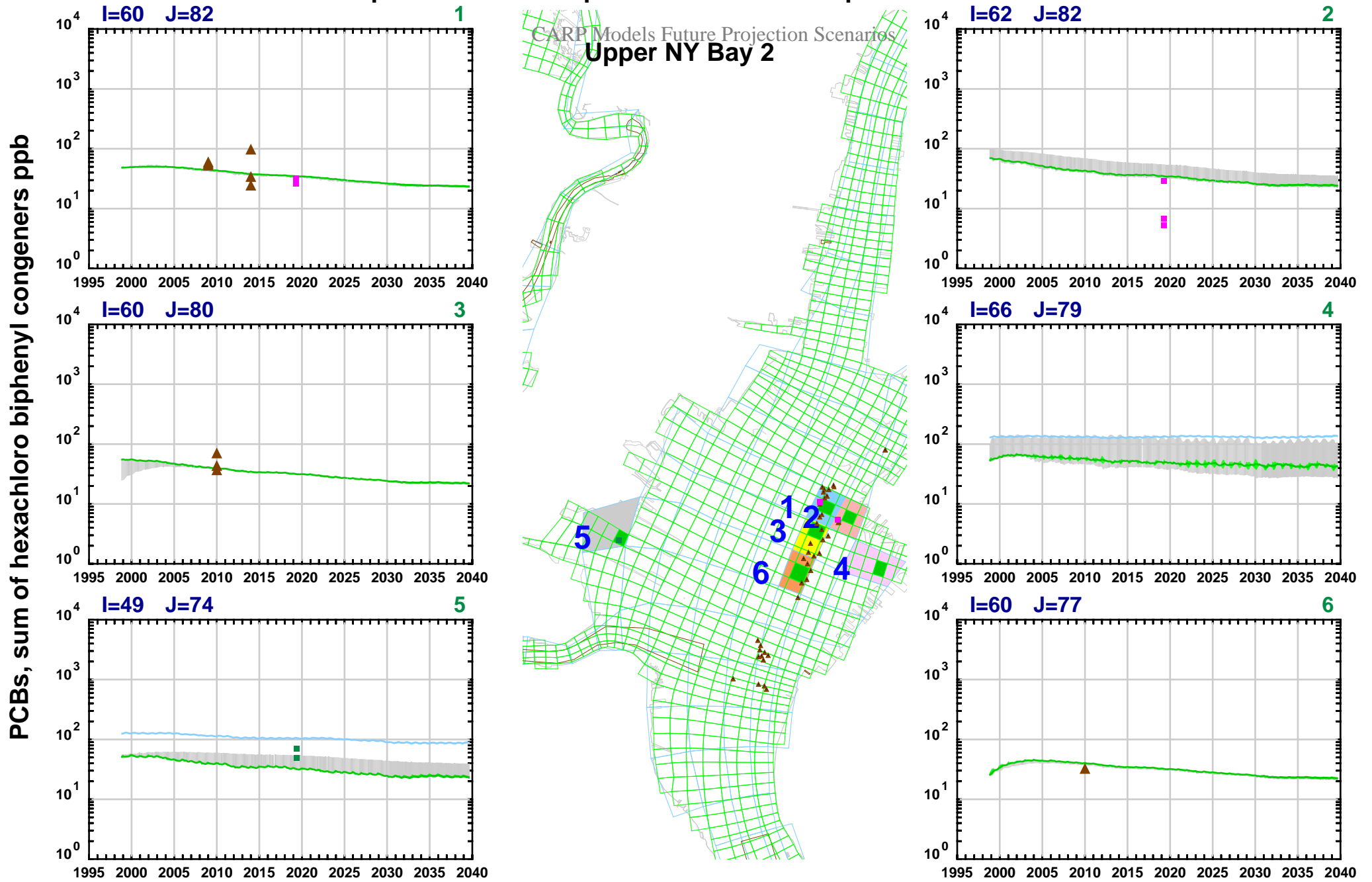
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

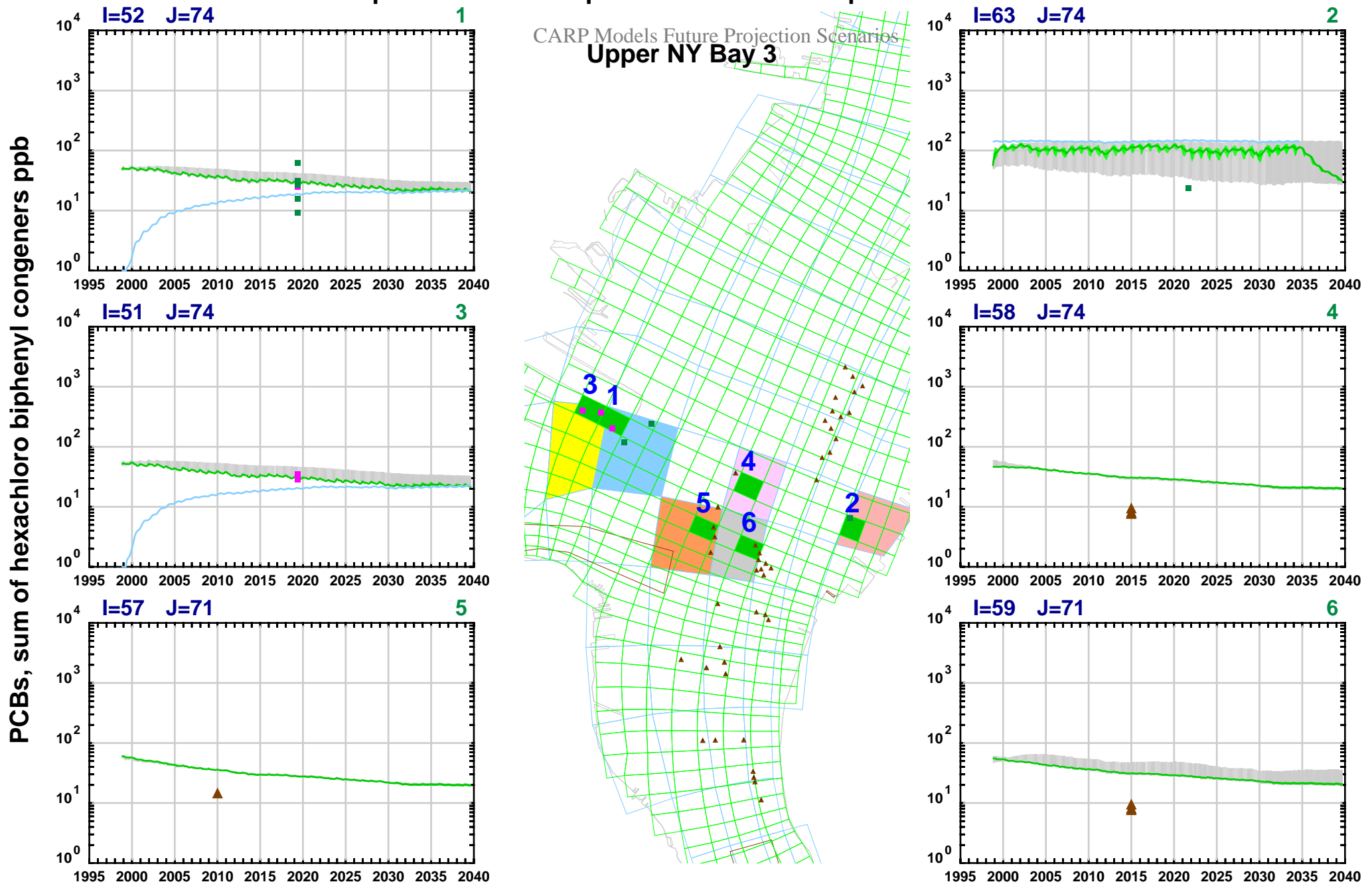


RUN18_PROJ01_PROJ02_R1

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

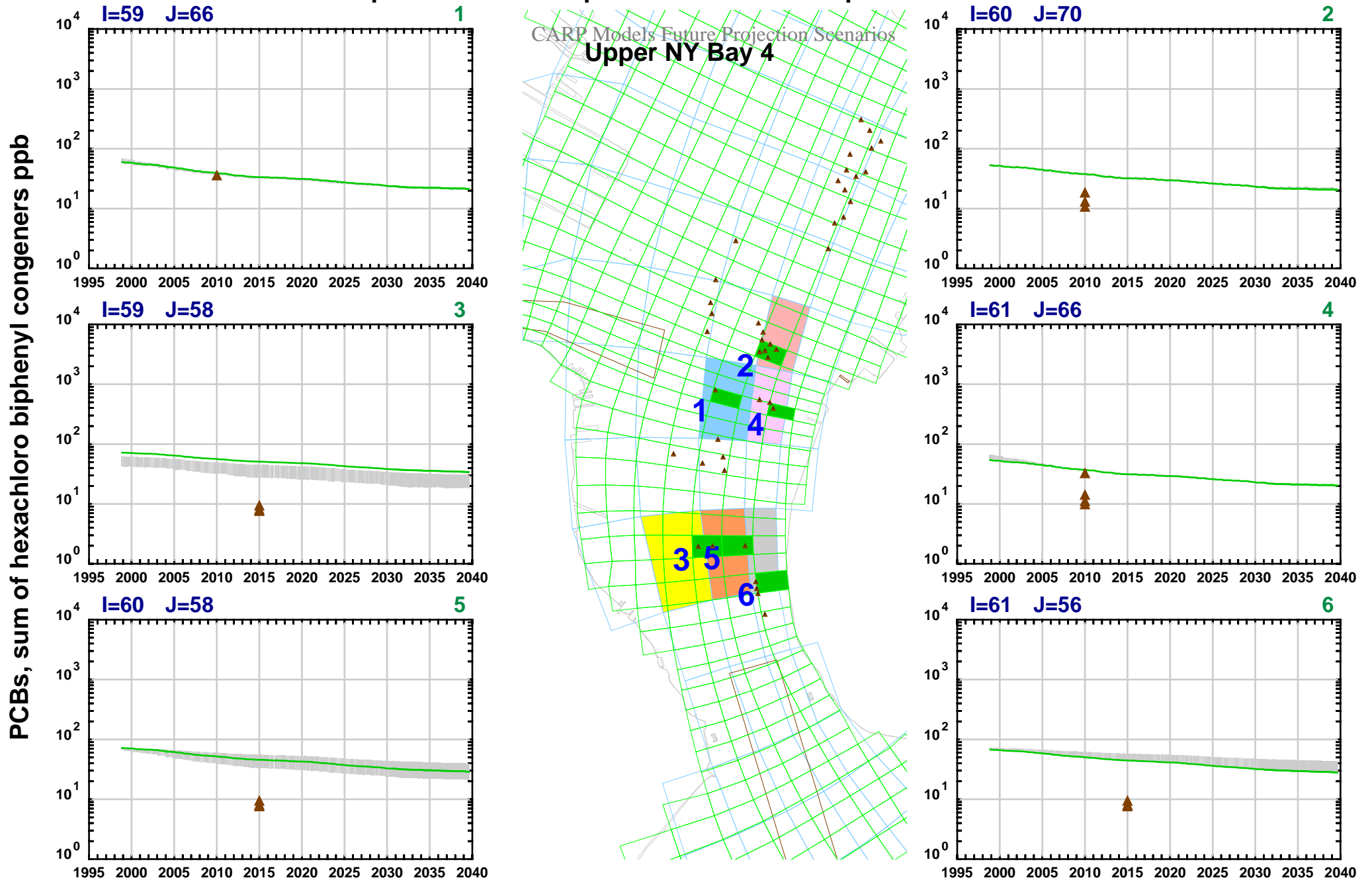
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

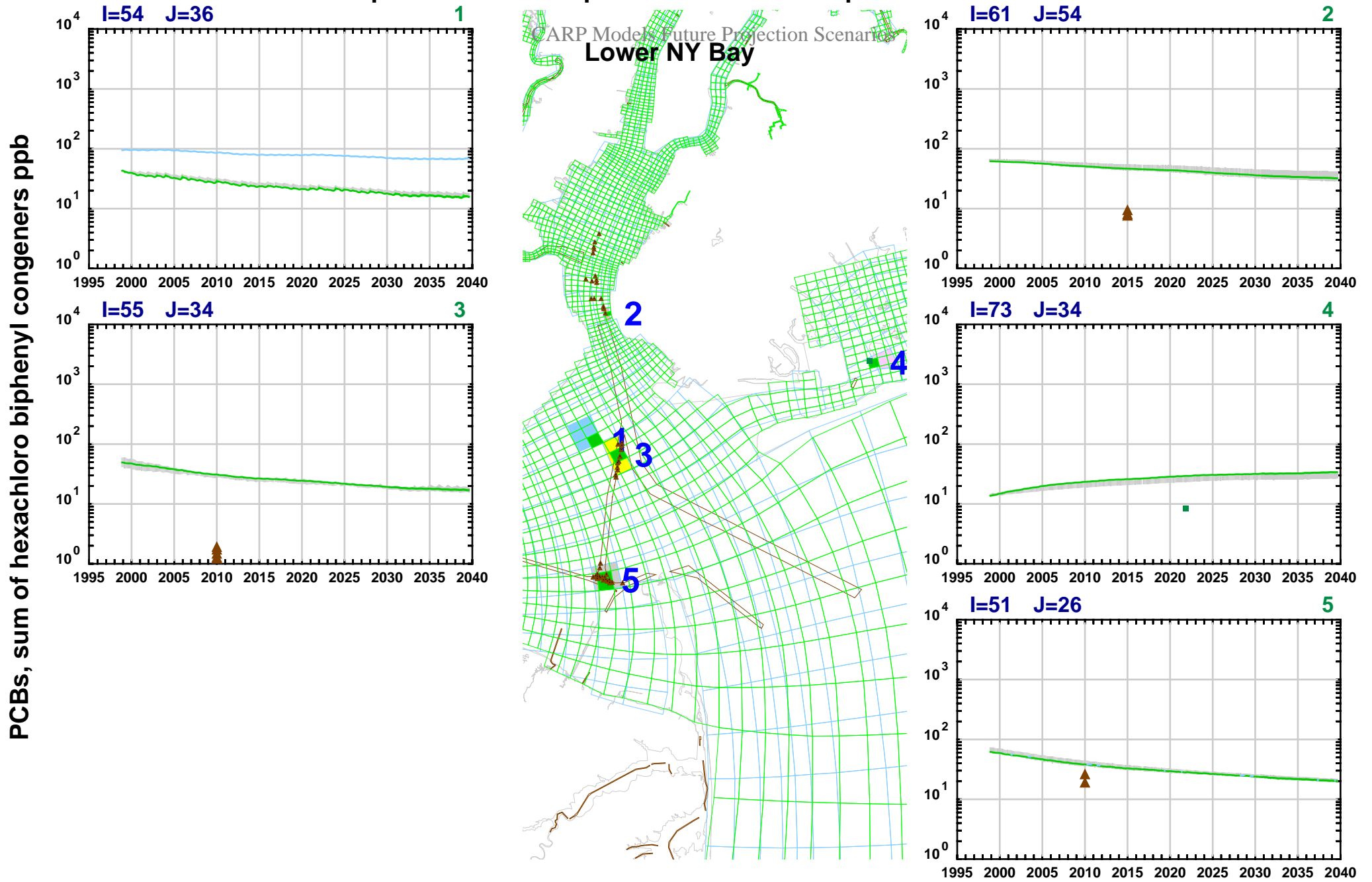


RUN18_PROJ01_PROJ02_R1

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

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

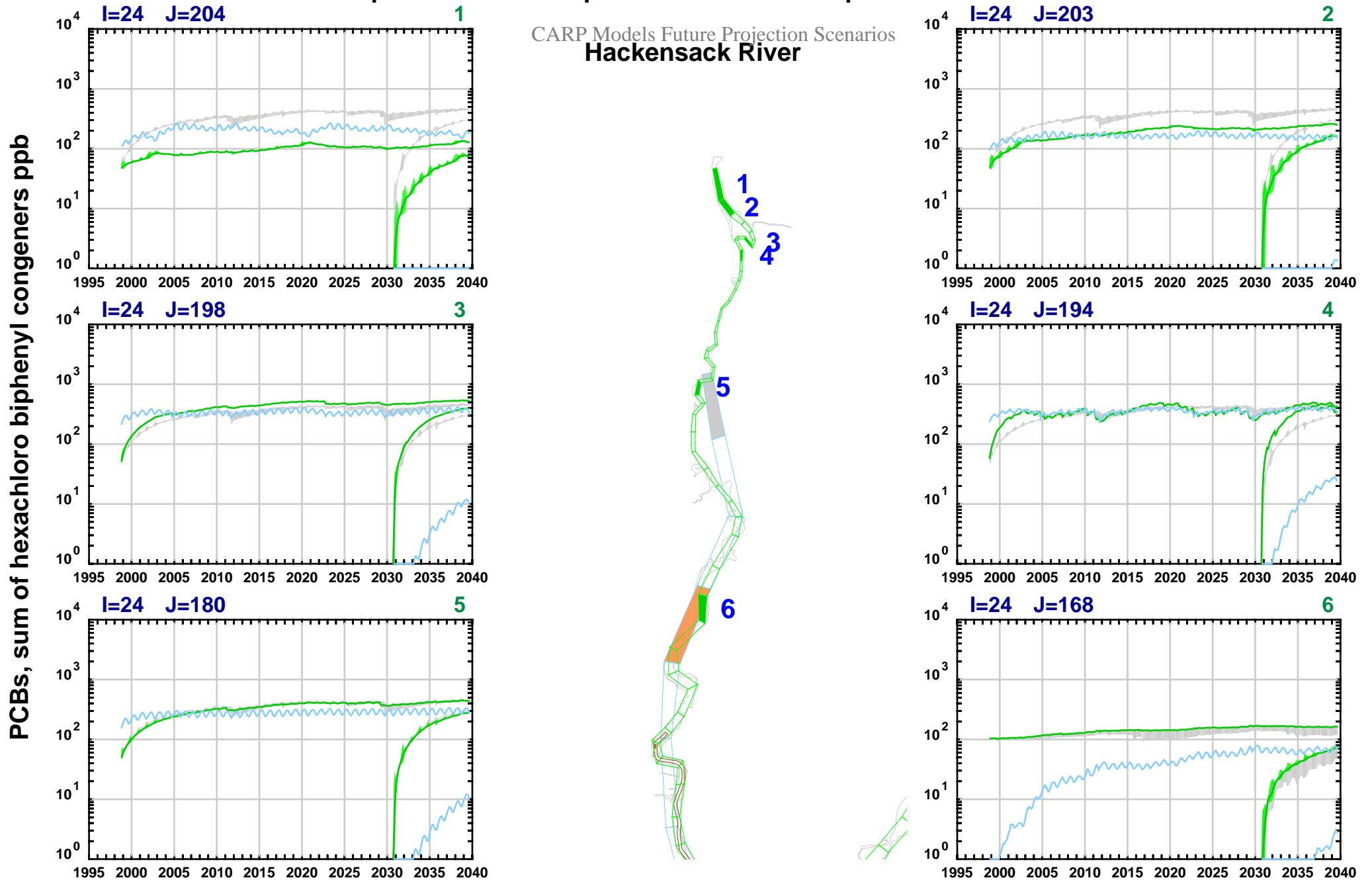
Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

CARP Models Future Projection Scenarios
Hackensack River

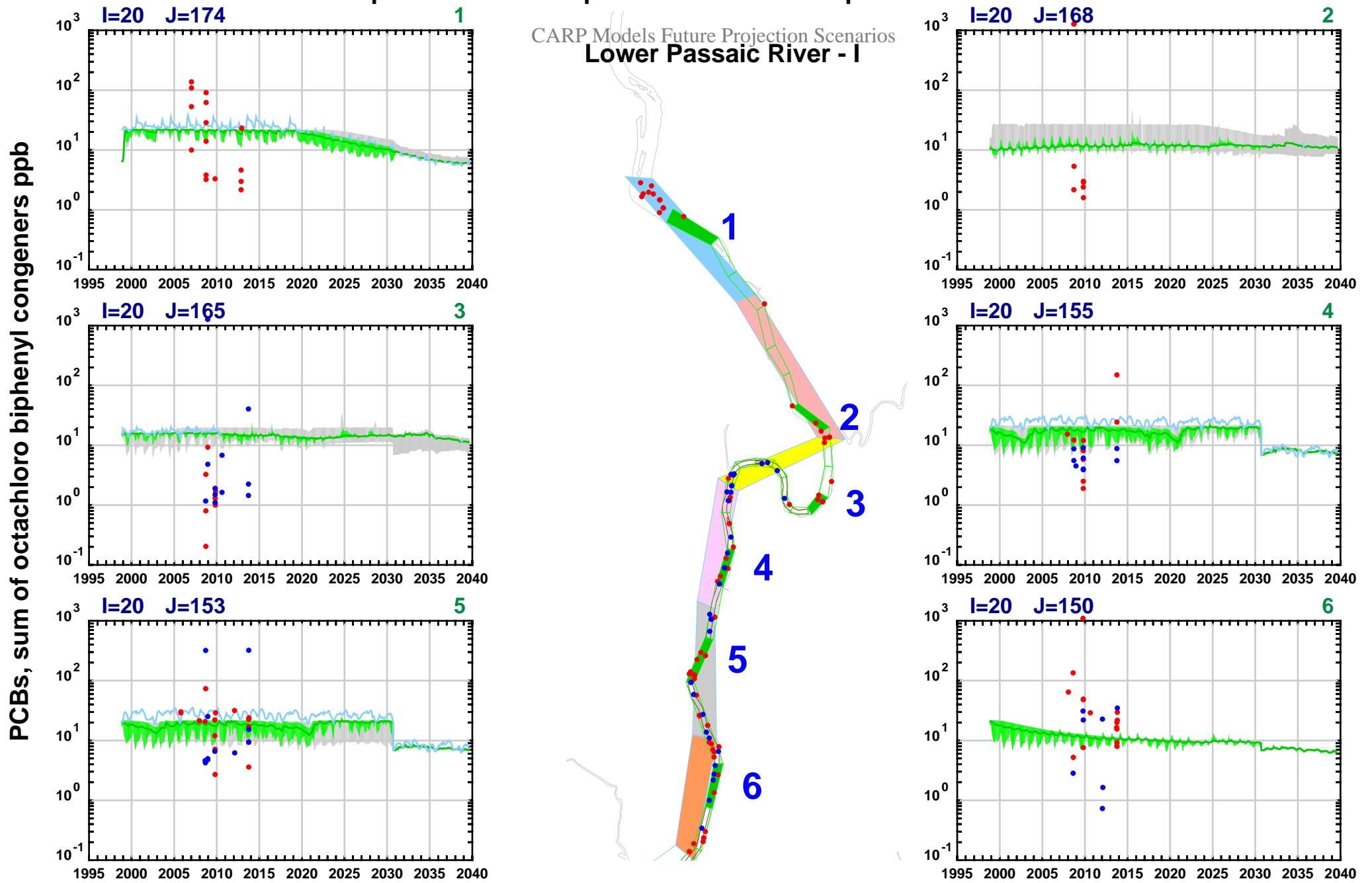


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

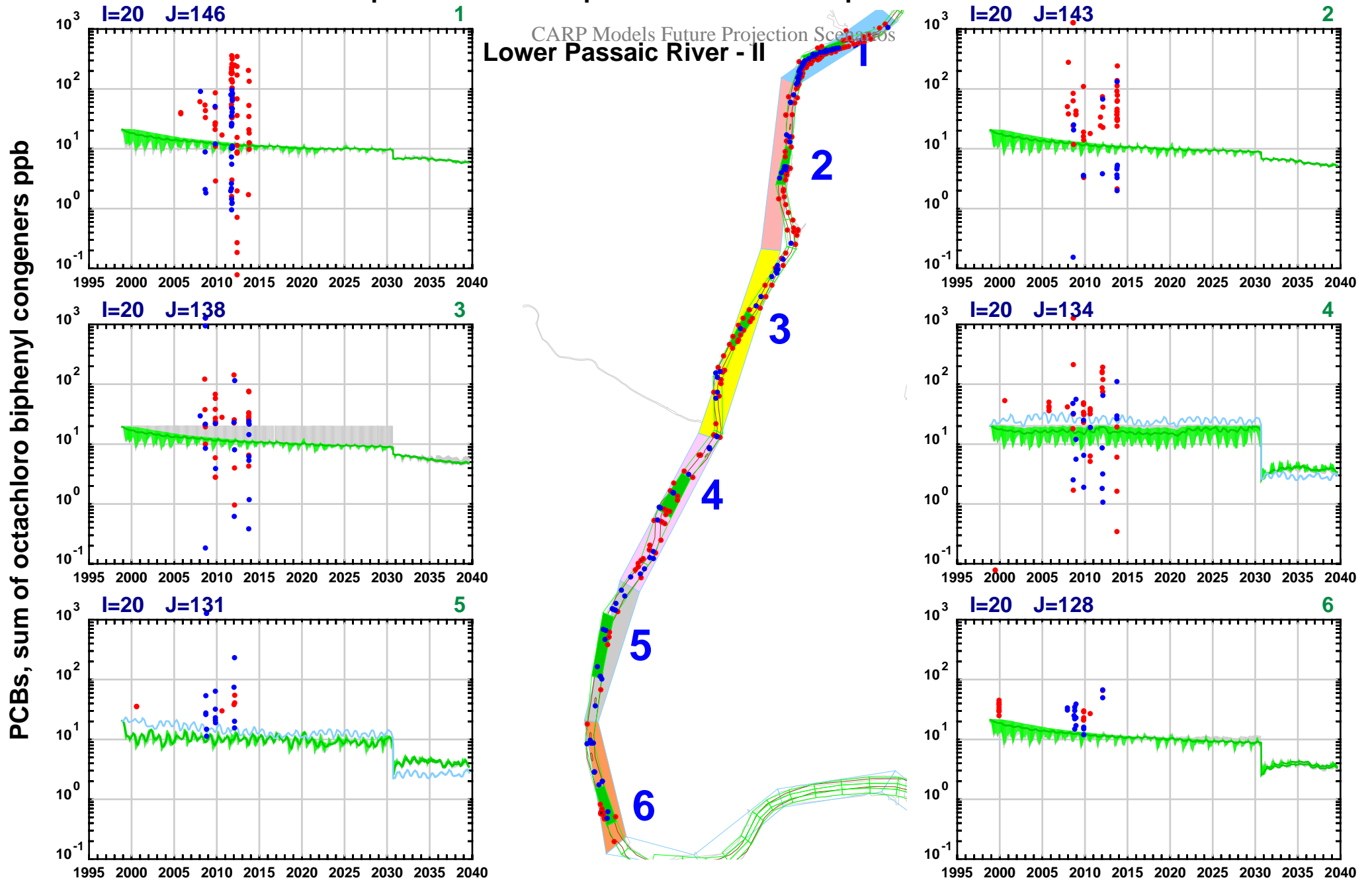


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

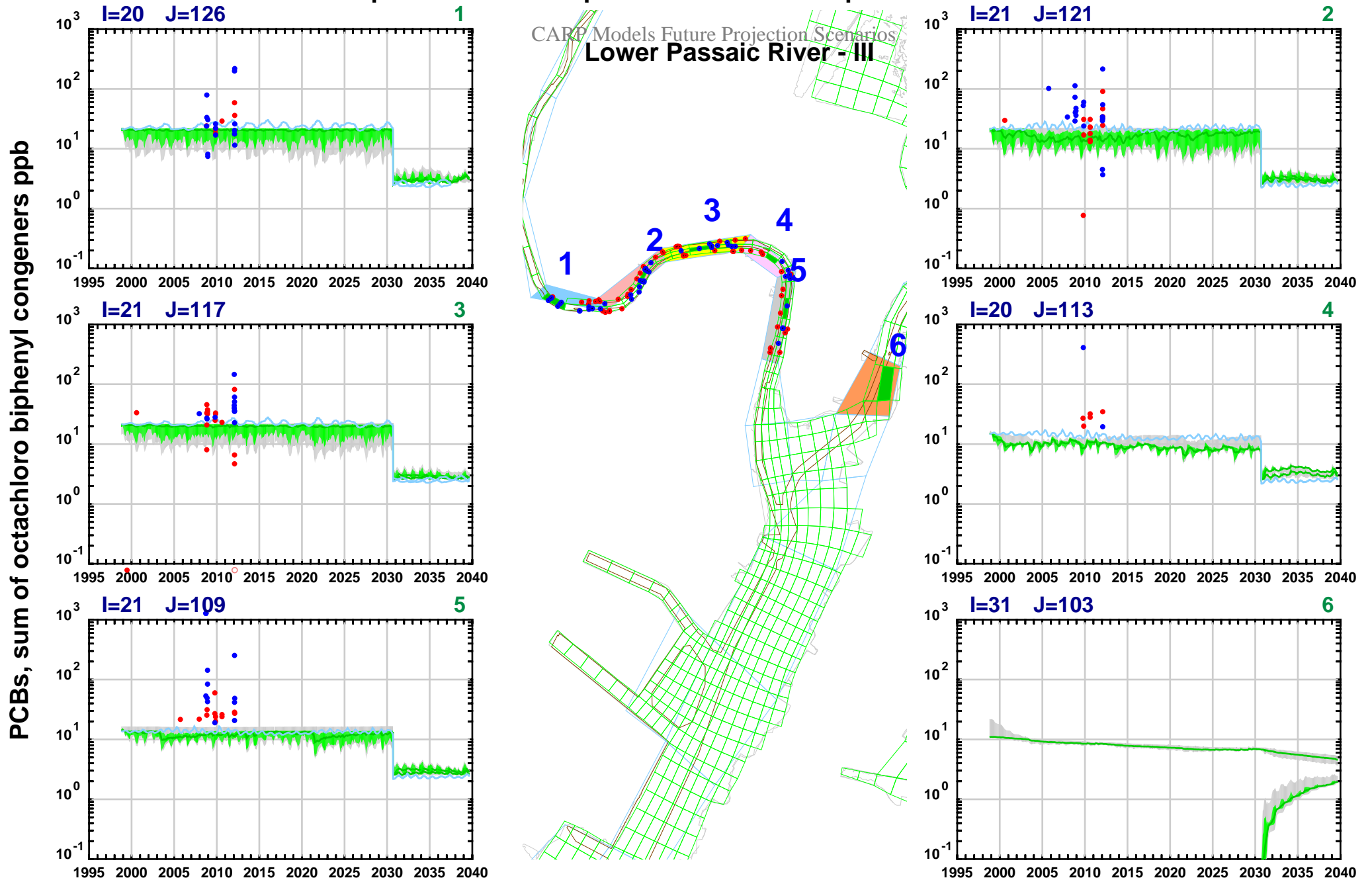


RUN18_PROJ01_PROJ02_R1

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

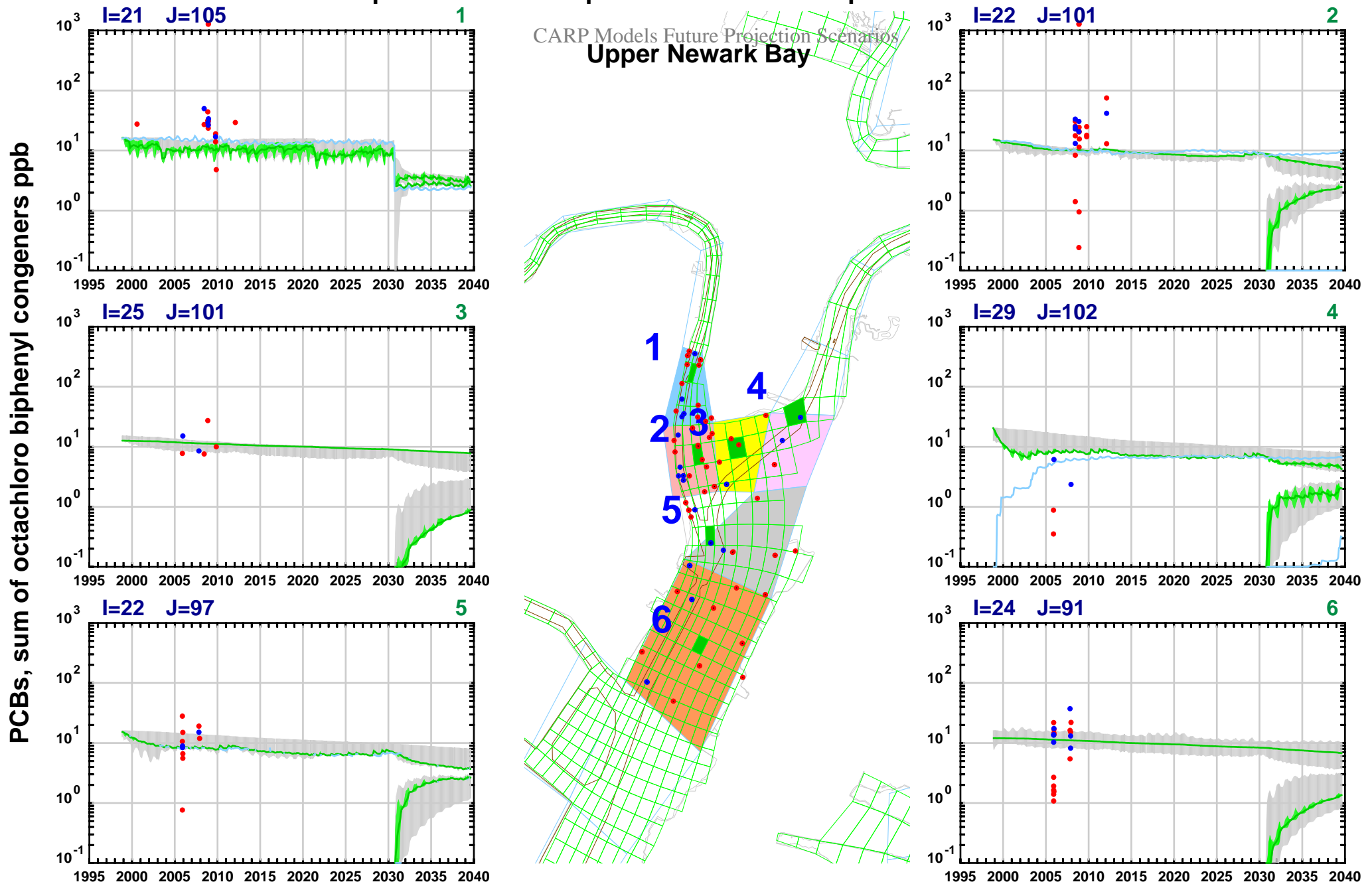
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

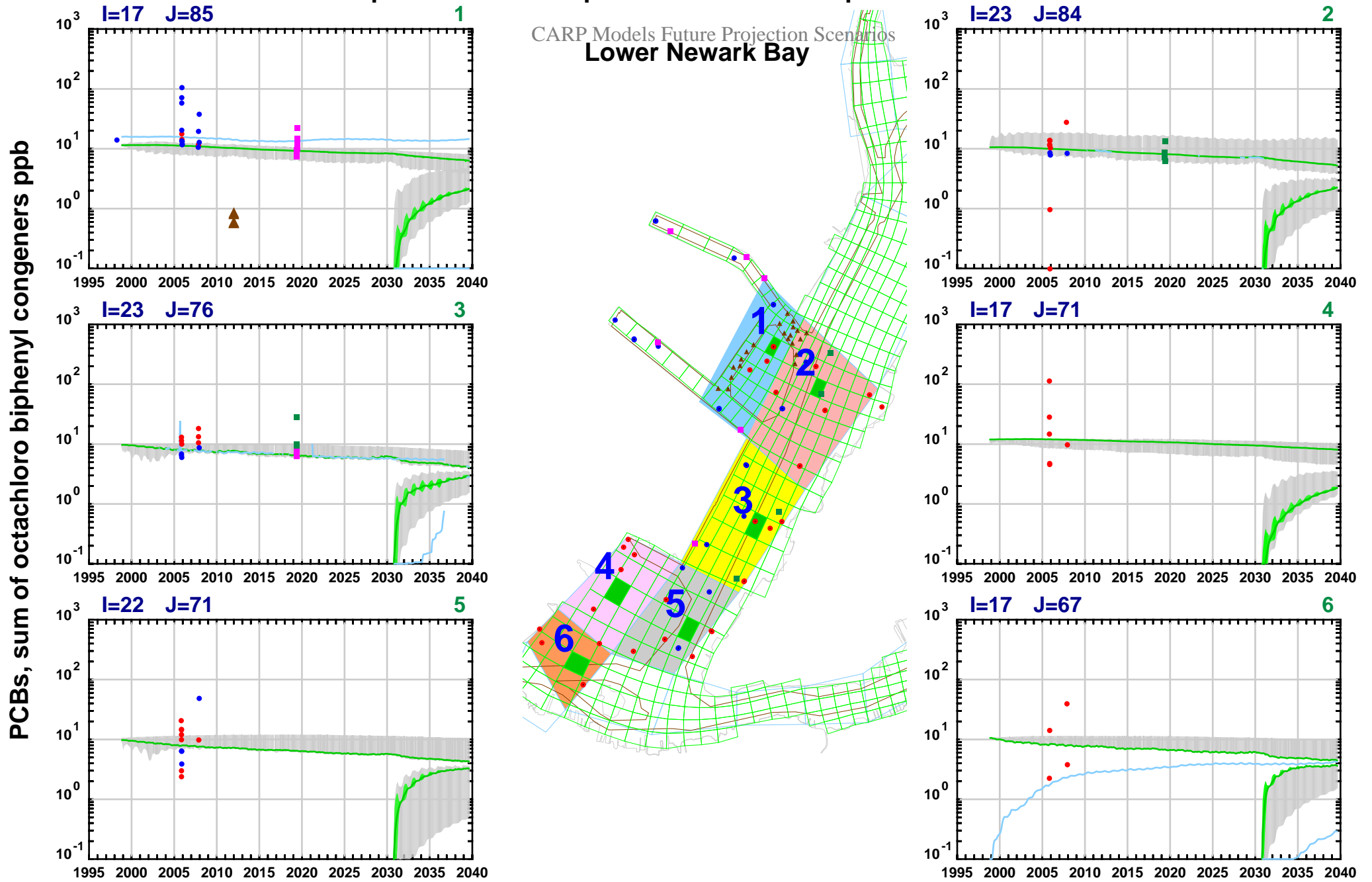


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



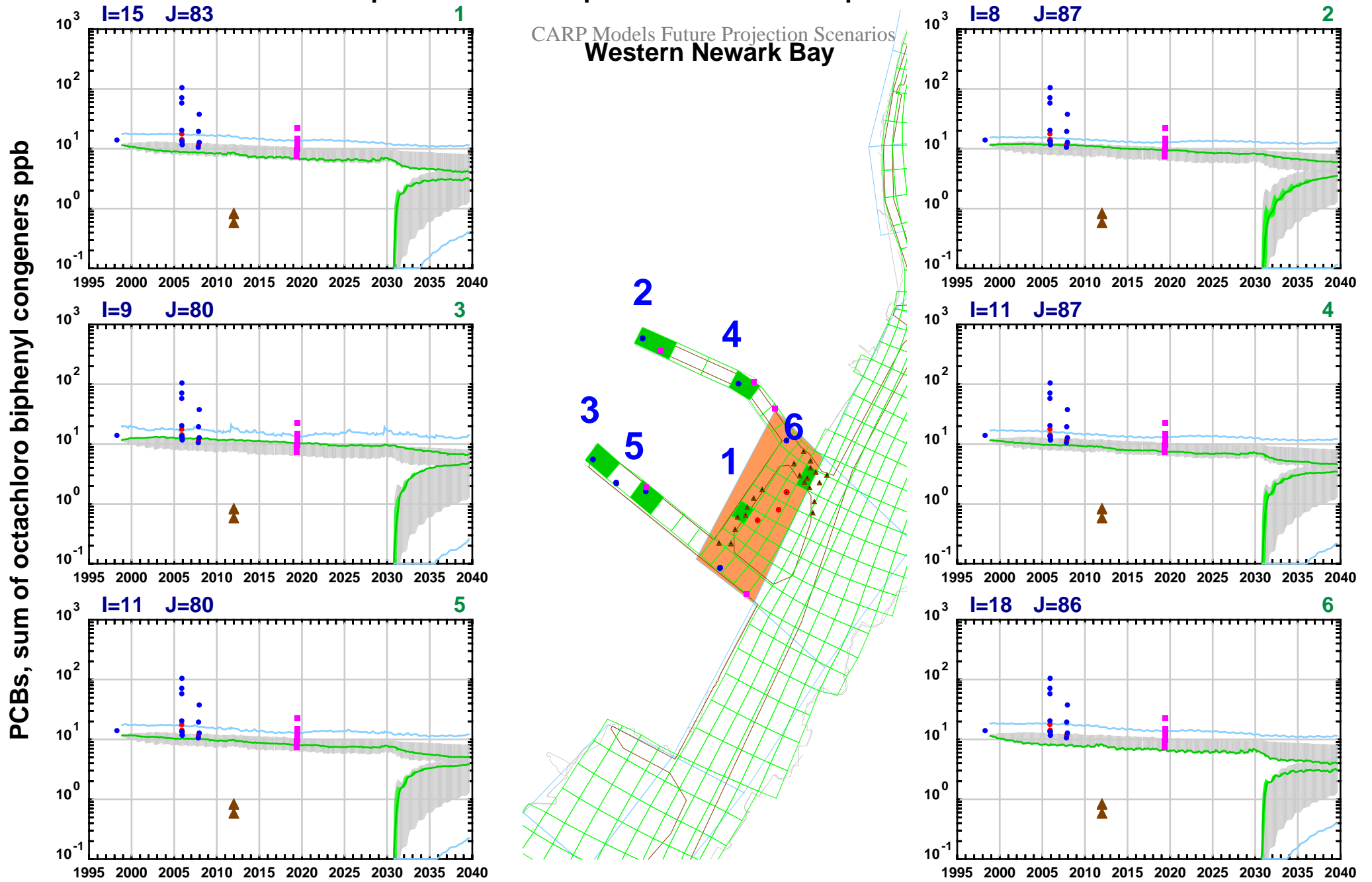
CARP Models Future Projection Scenarios
Lower Newark Bay

RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



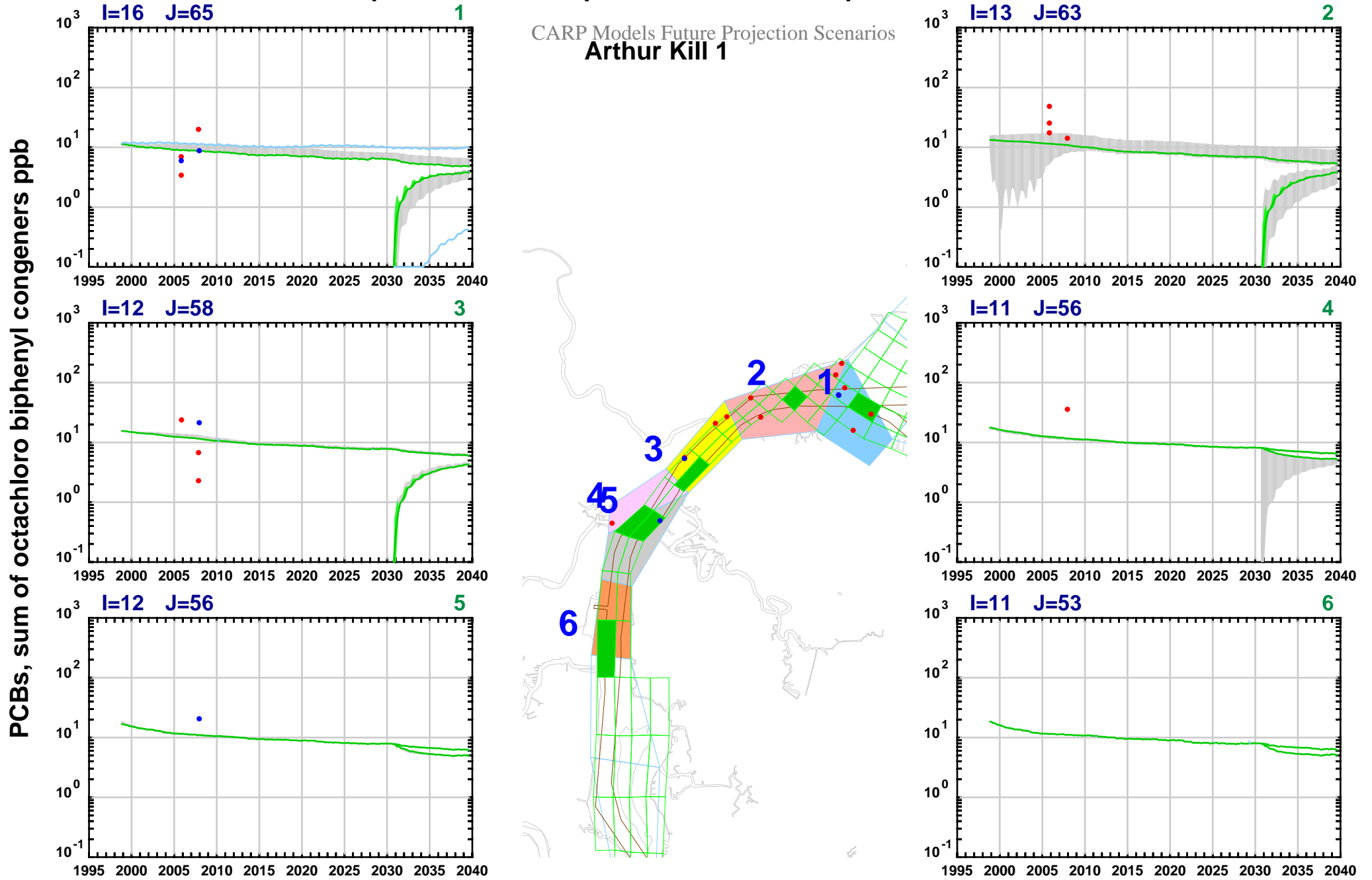
RUN18_PROJ01_PROJ02_R1

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

● In-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

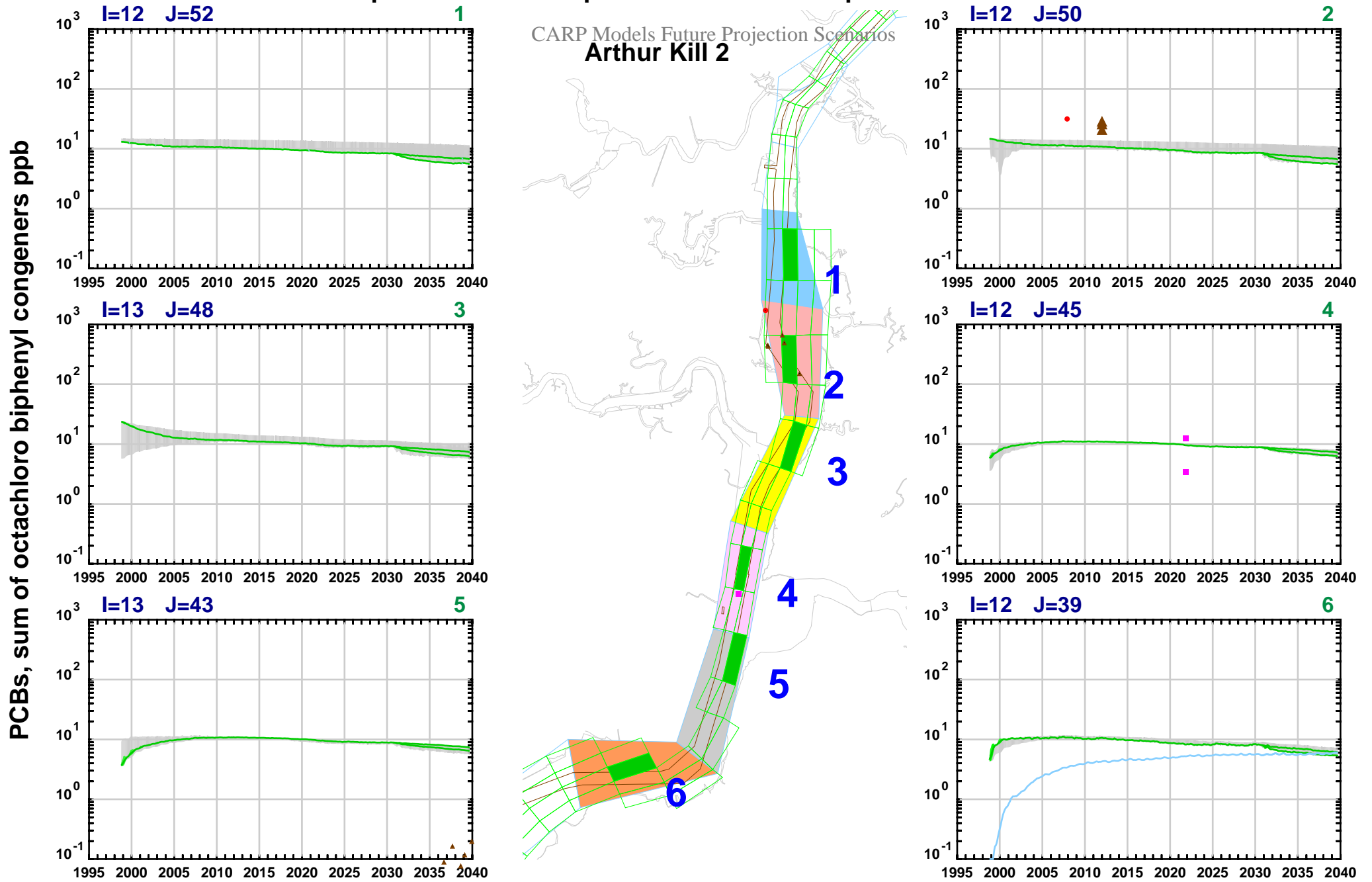


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

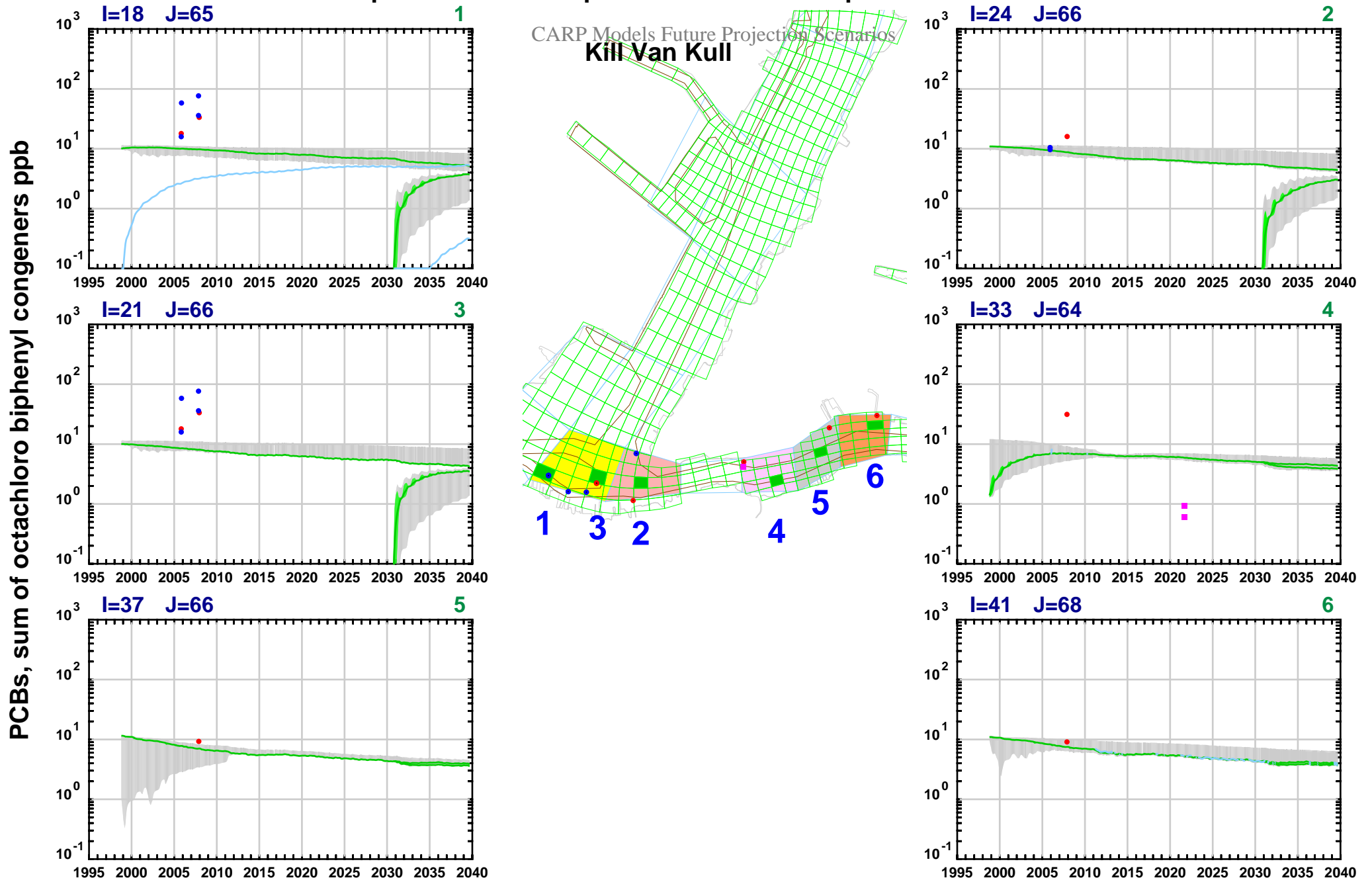


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

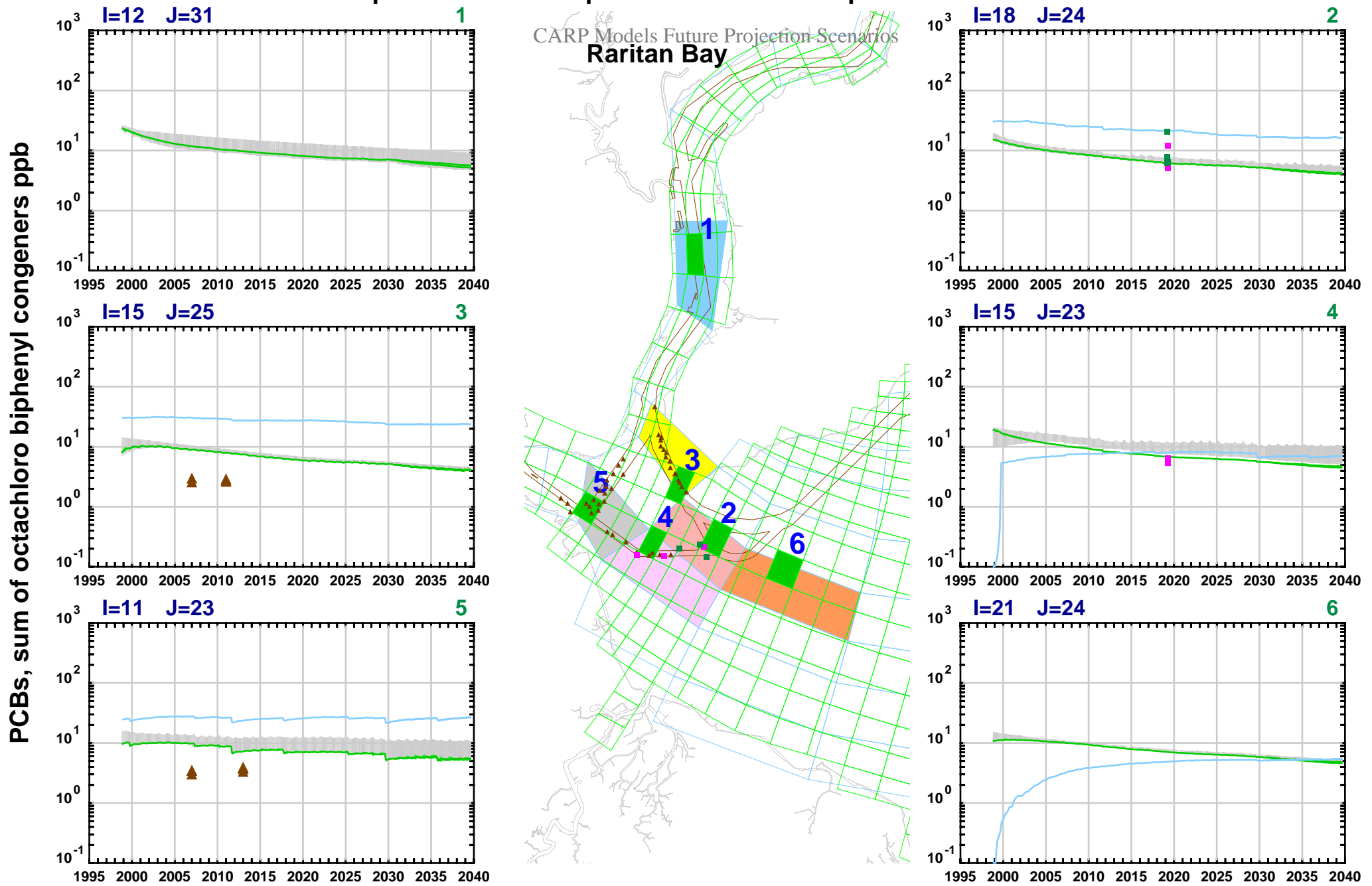


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

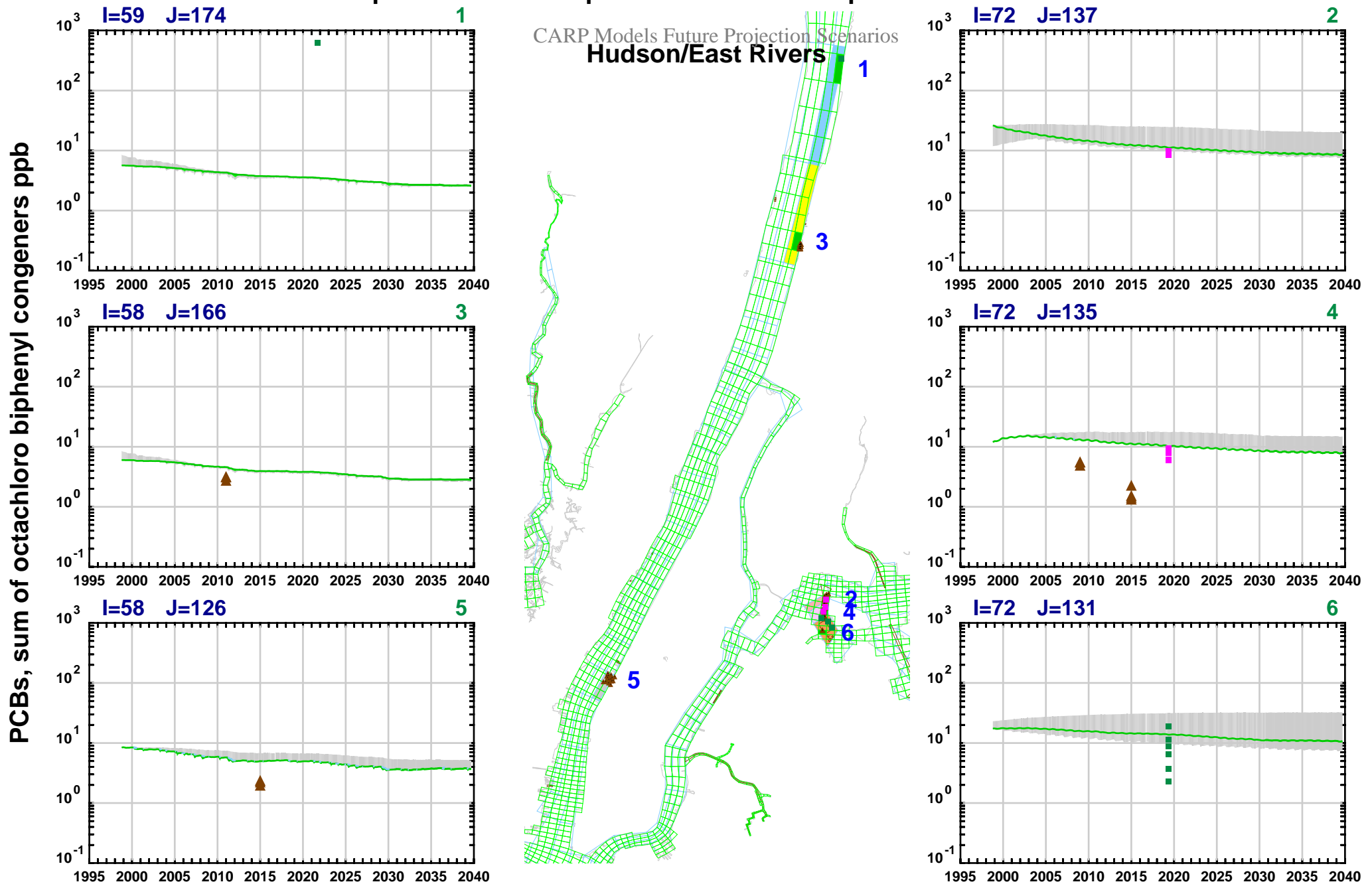


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

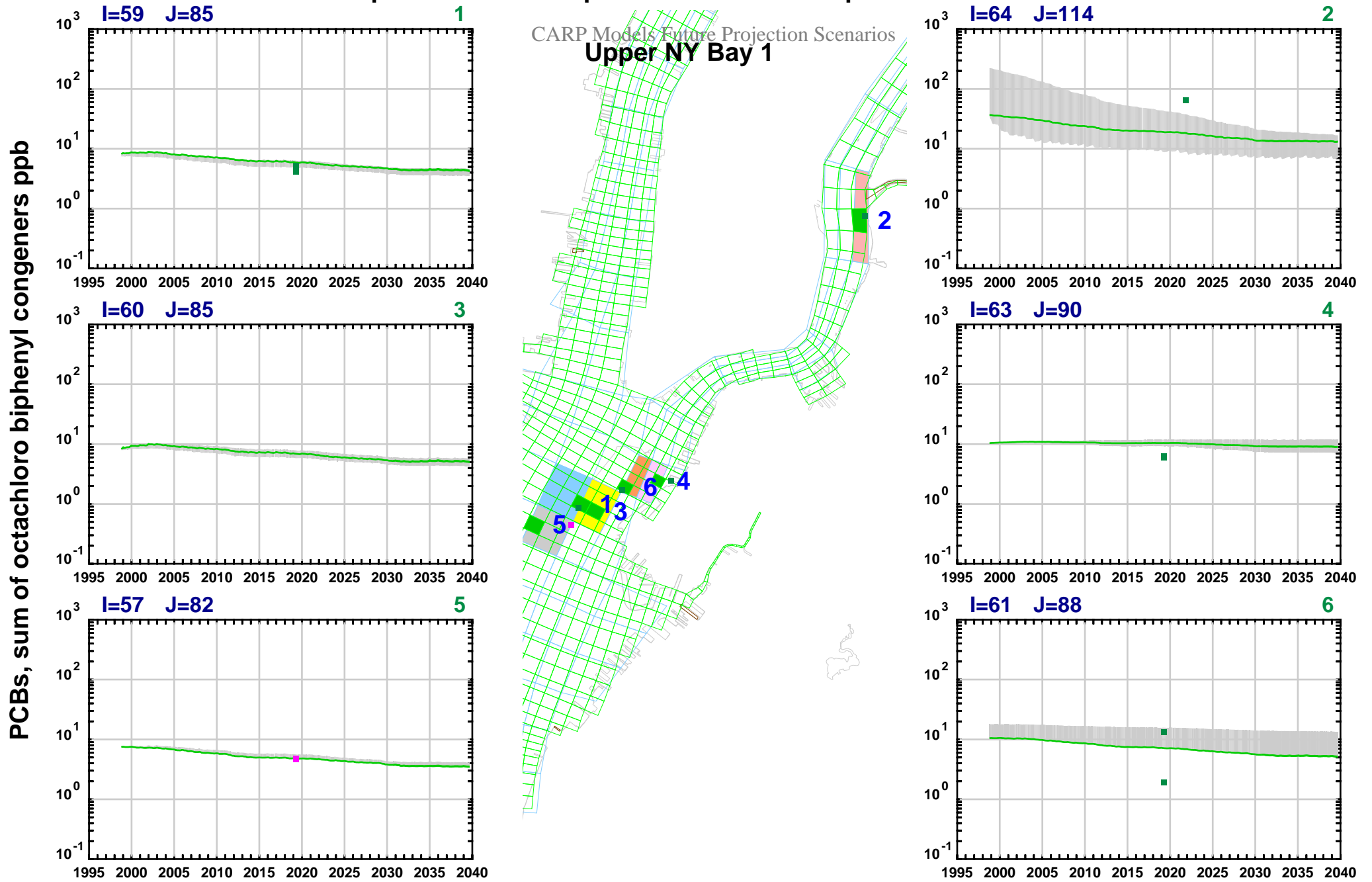


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

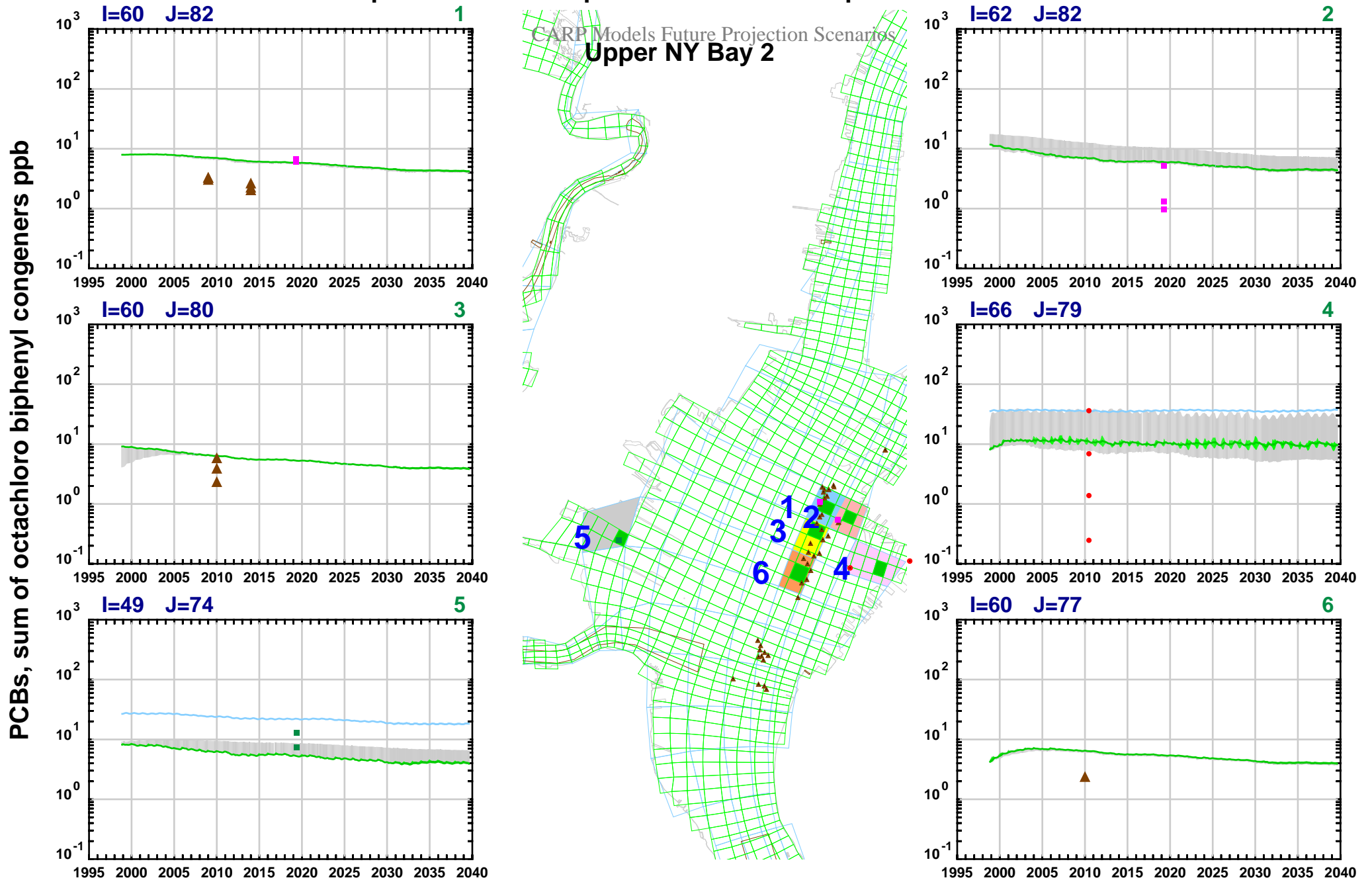


RUN18_PROJ01_PROJ02_R1

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

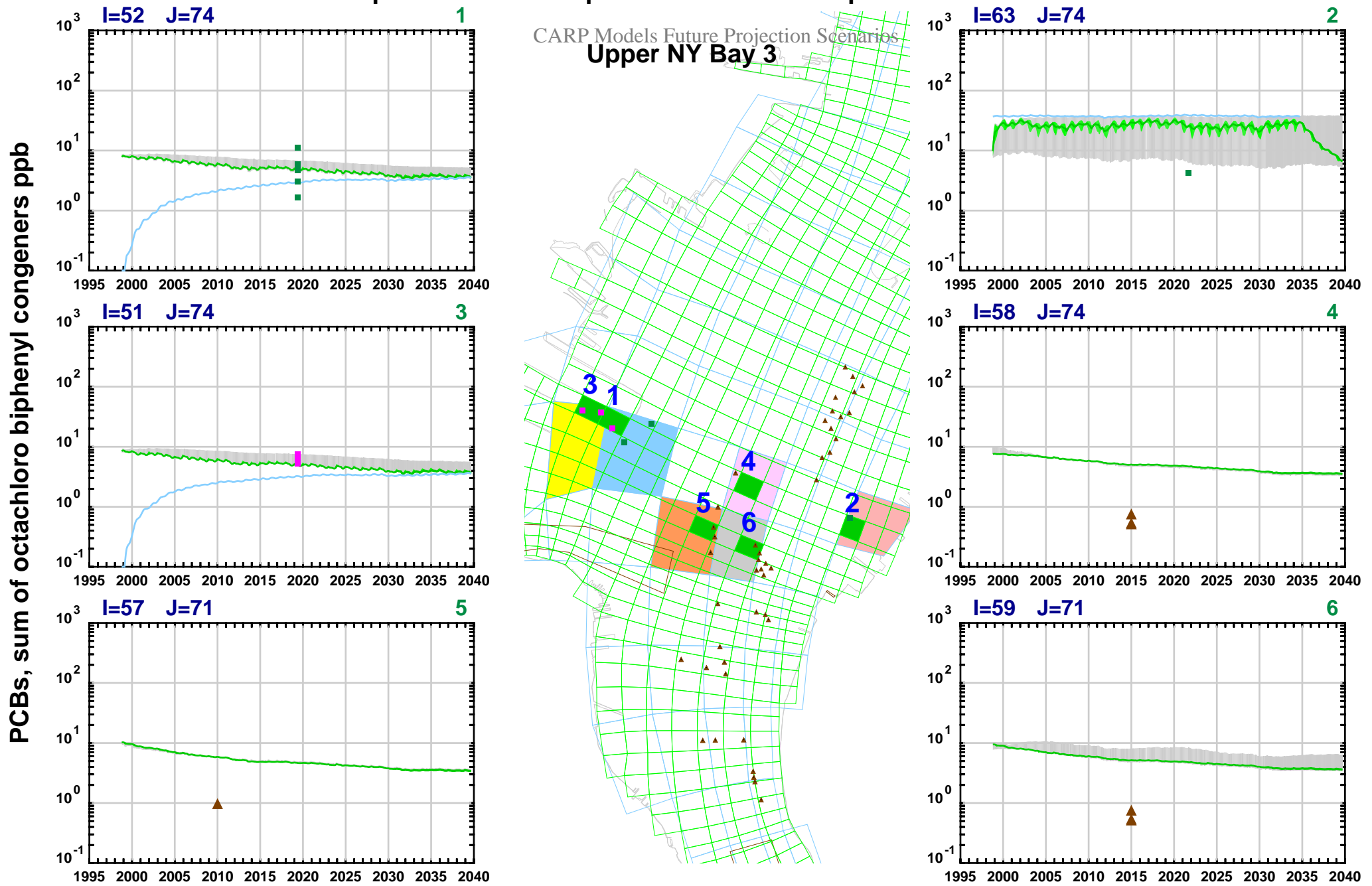
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



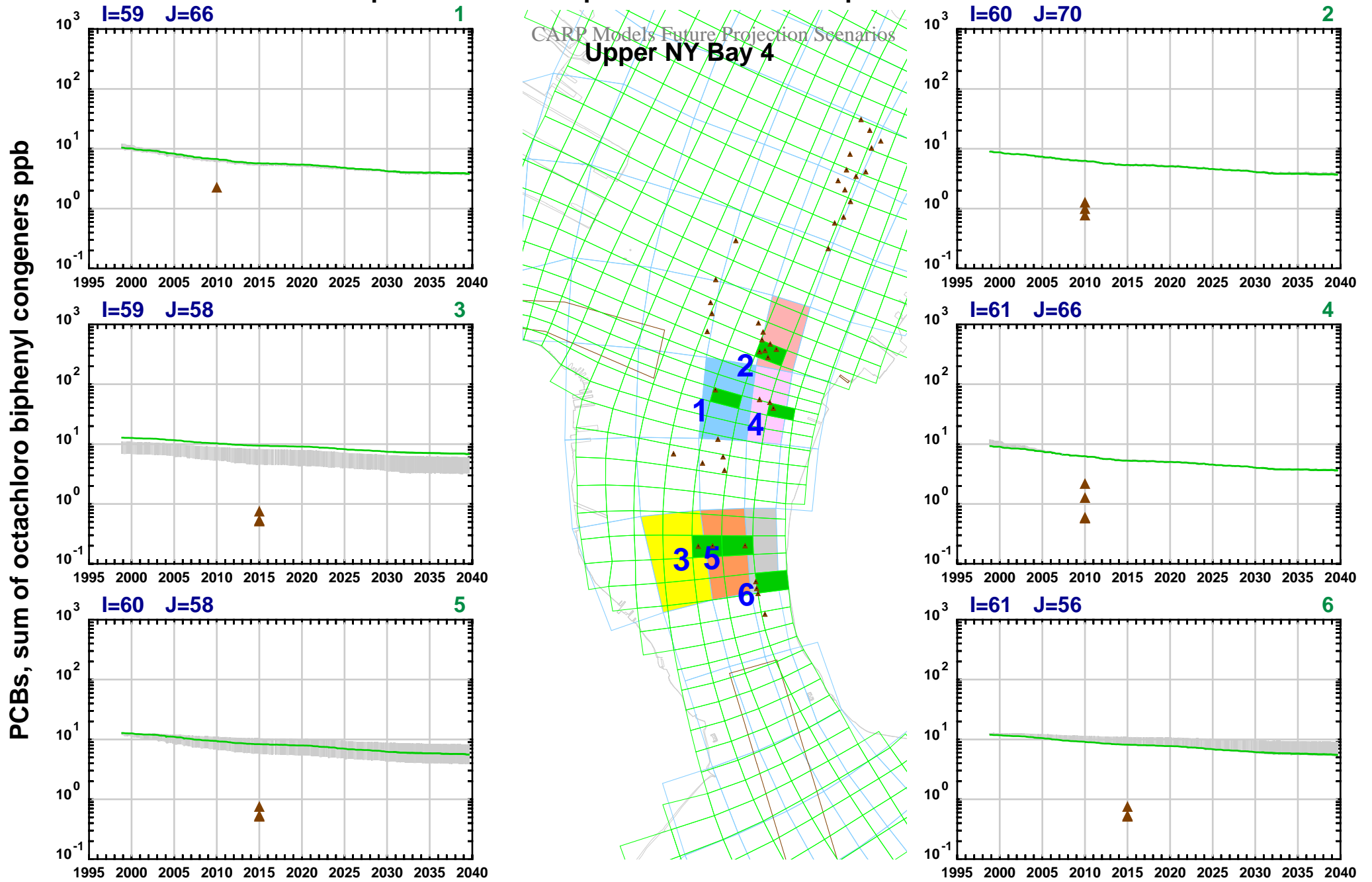
RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

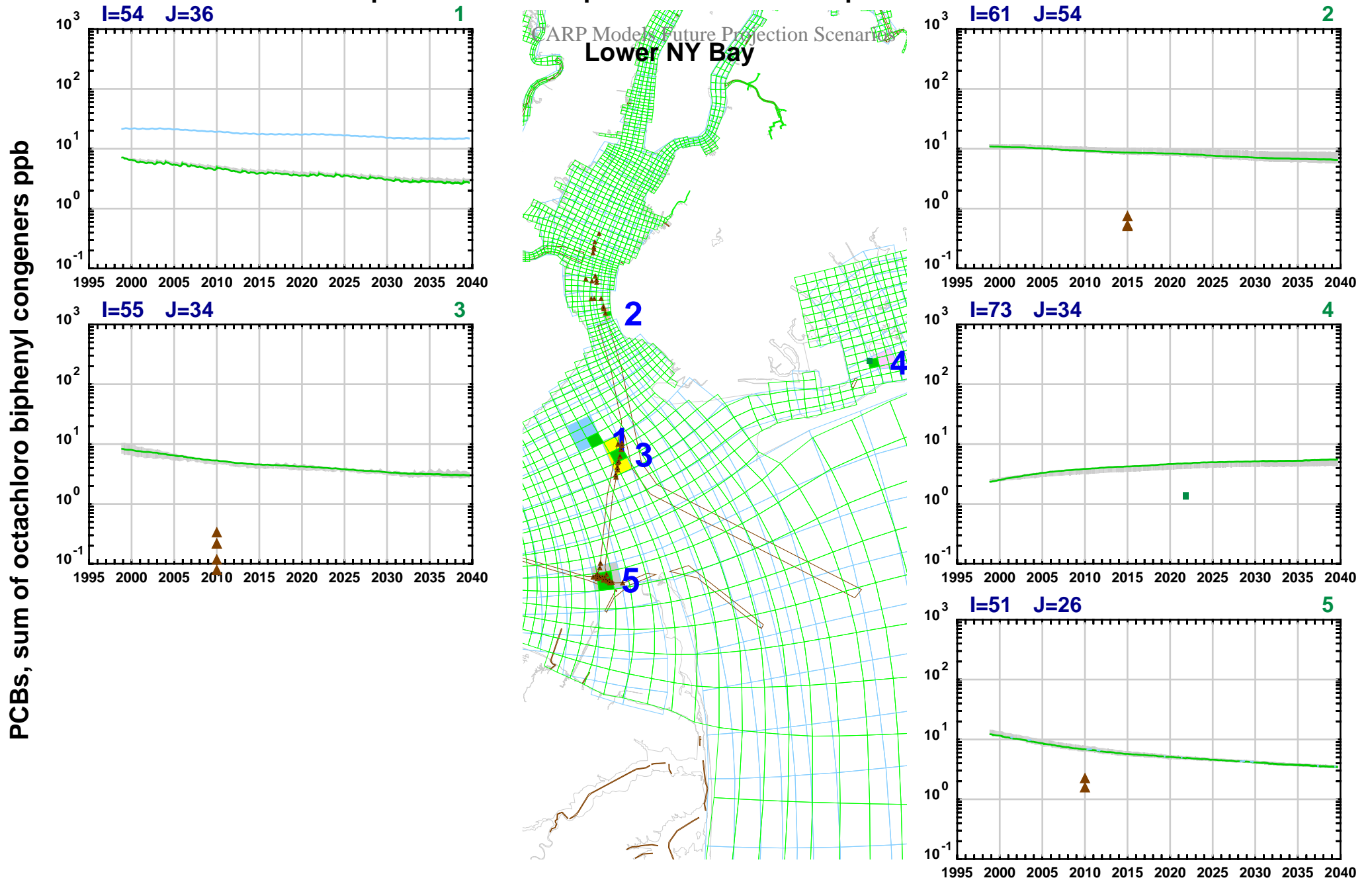


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



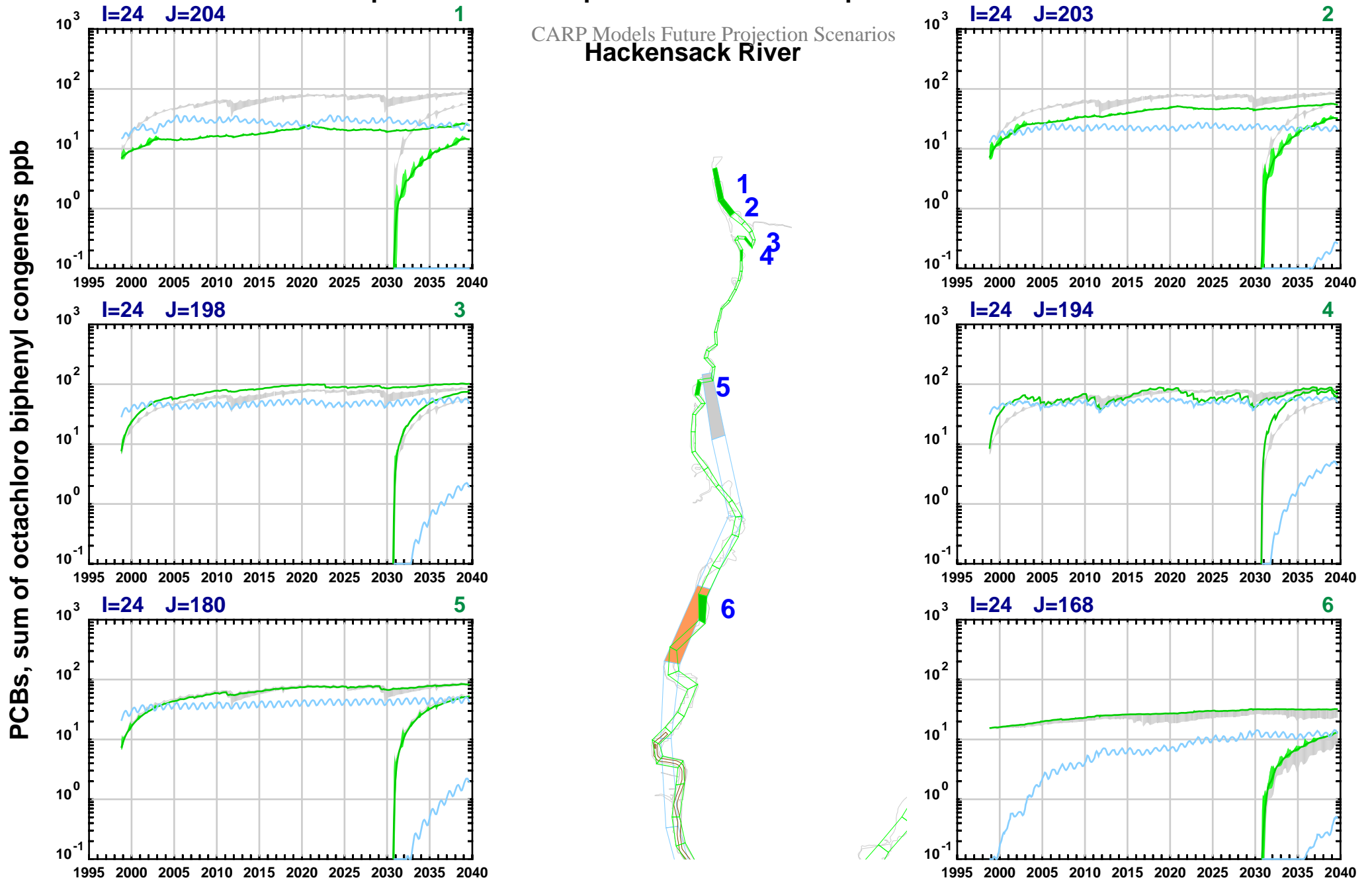
RUN18_PROJ01_PROJ02_R1

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

● In-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



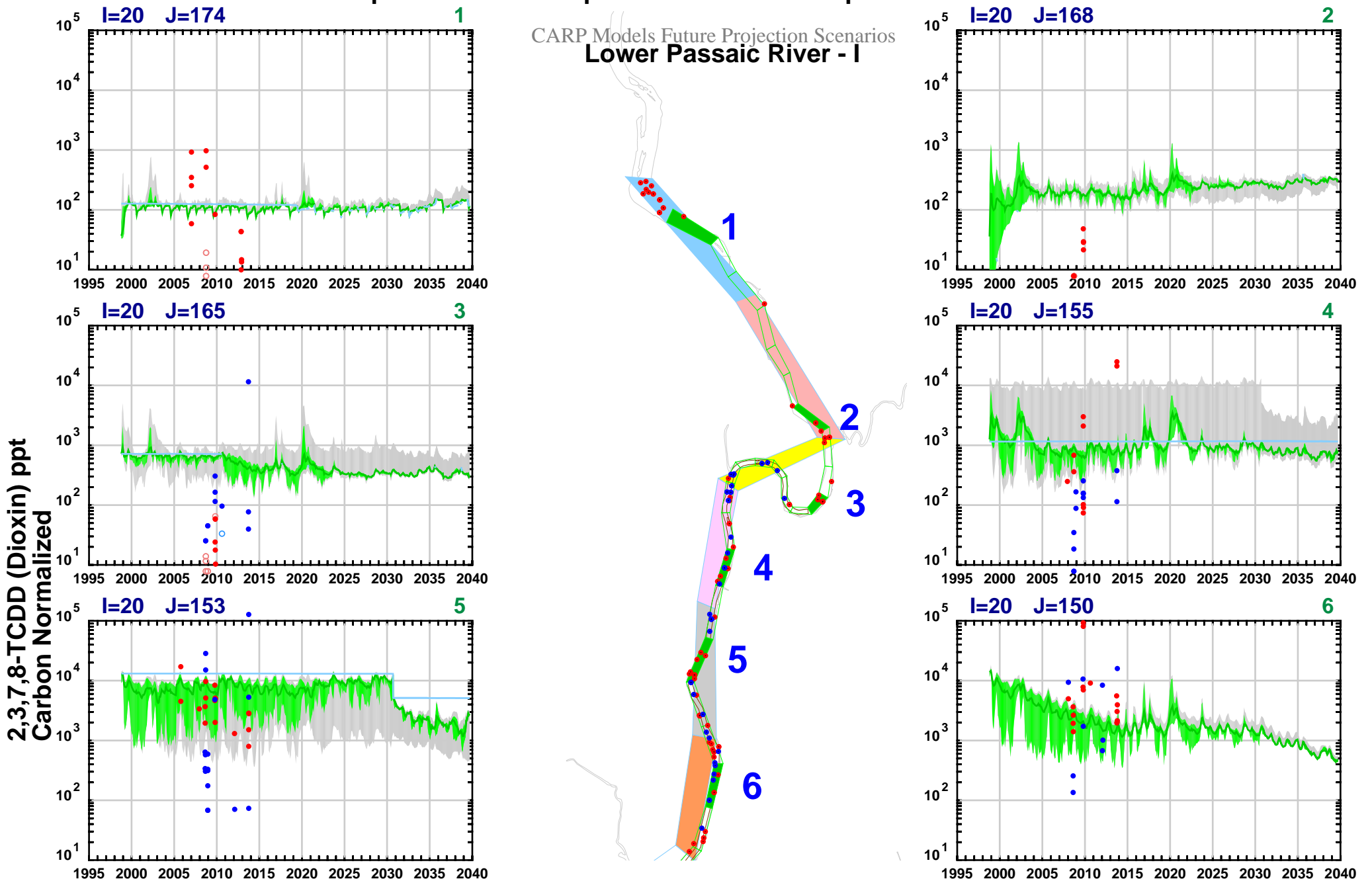
RUN18_PROJ01_PROJ02_R1

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

● In-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



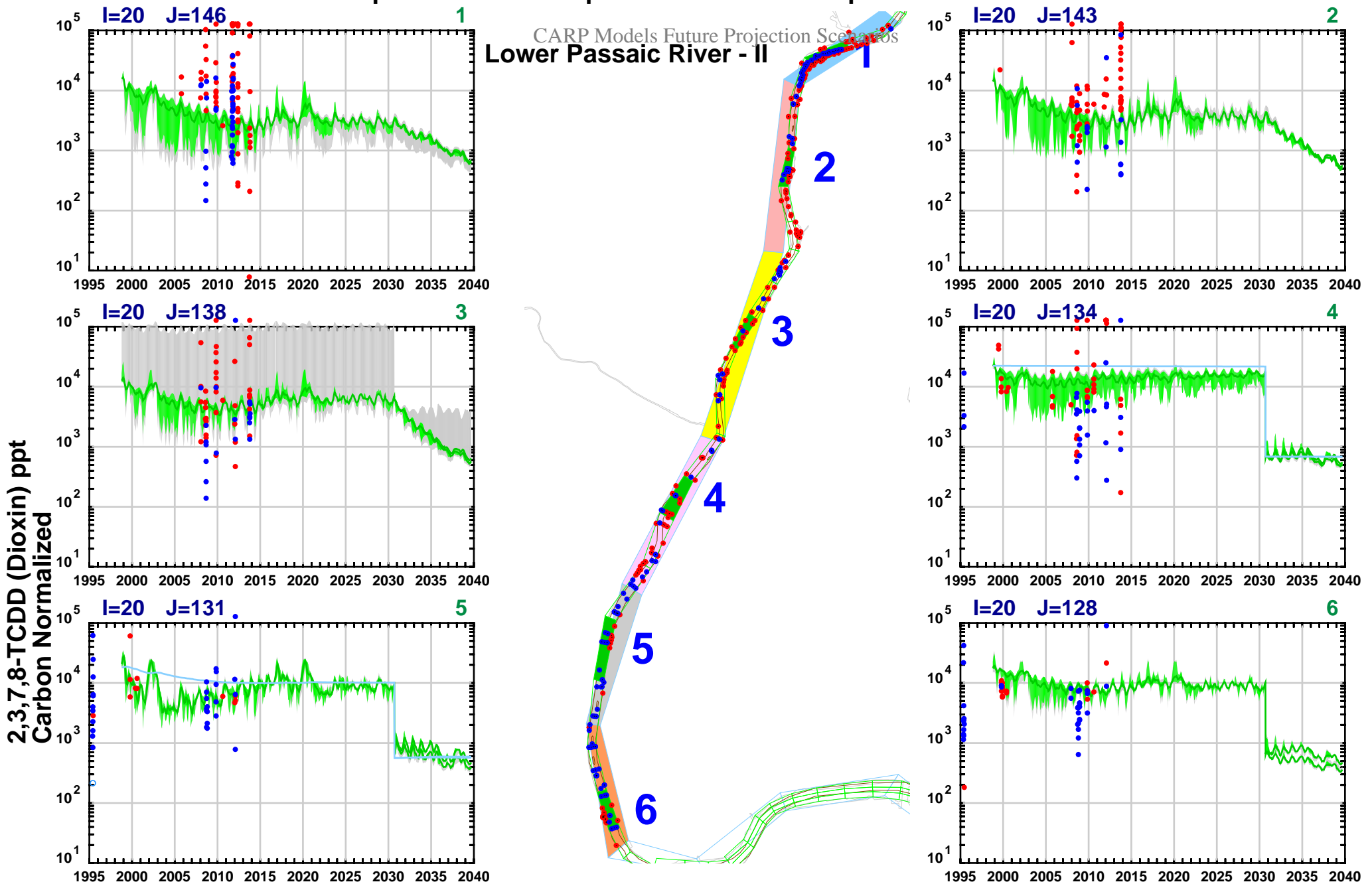
RUN18_PROJ01_PROJ02_R1

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

● In-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

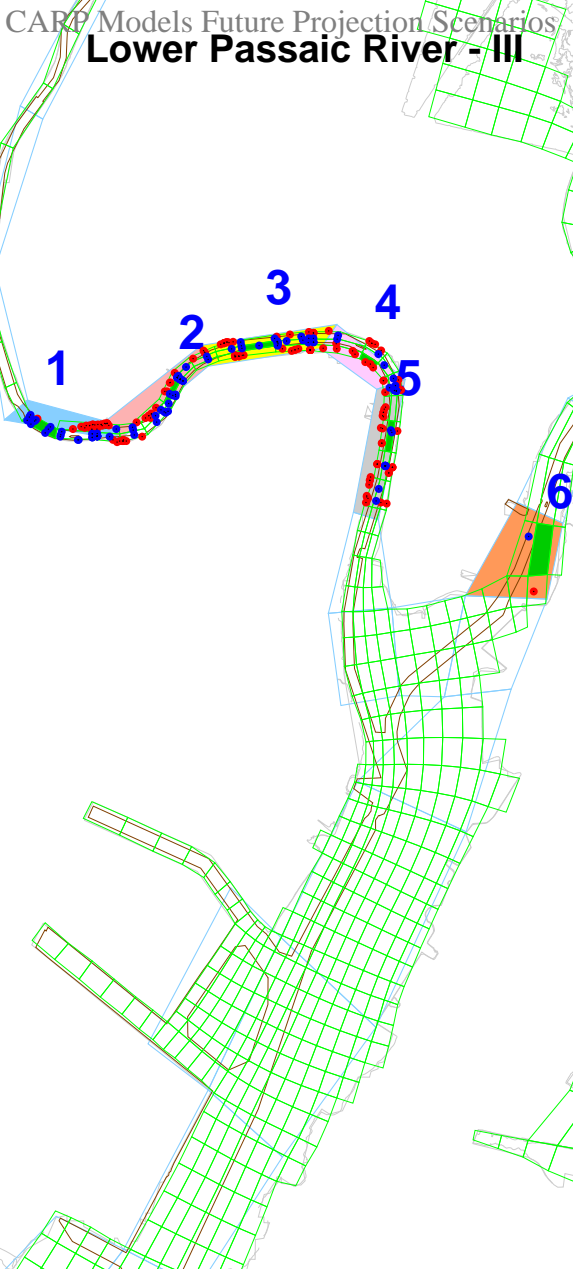
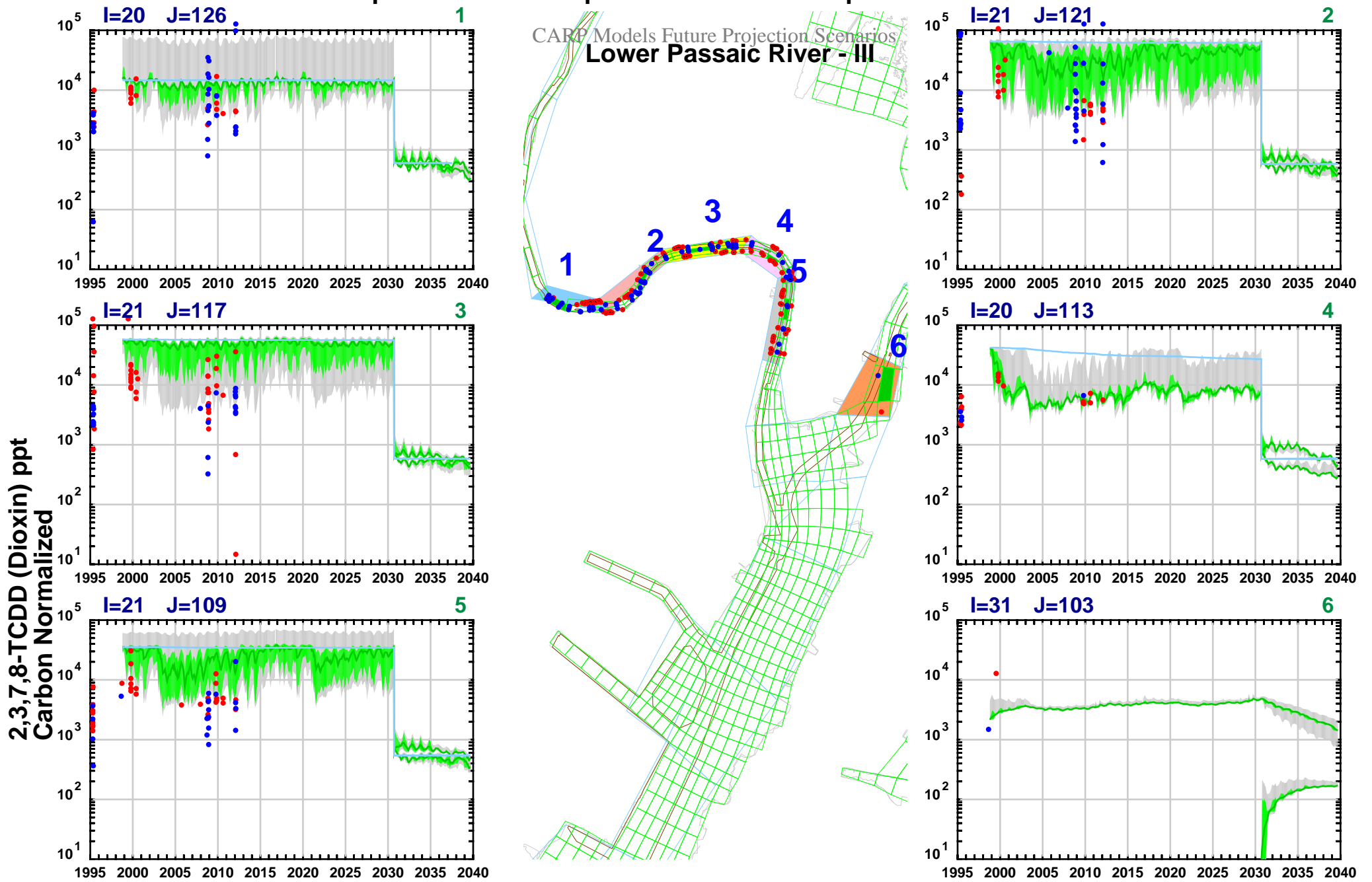


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

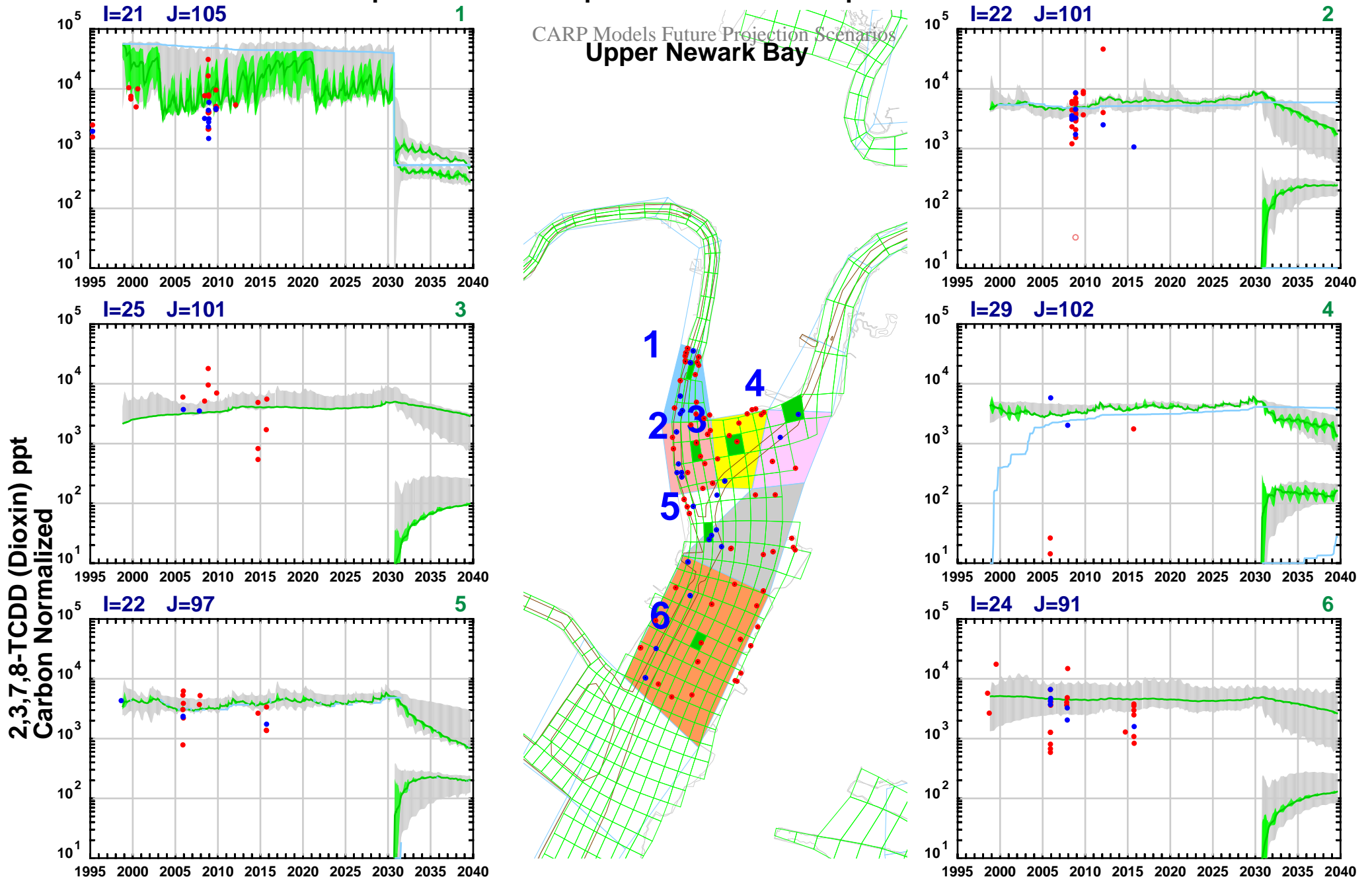


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



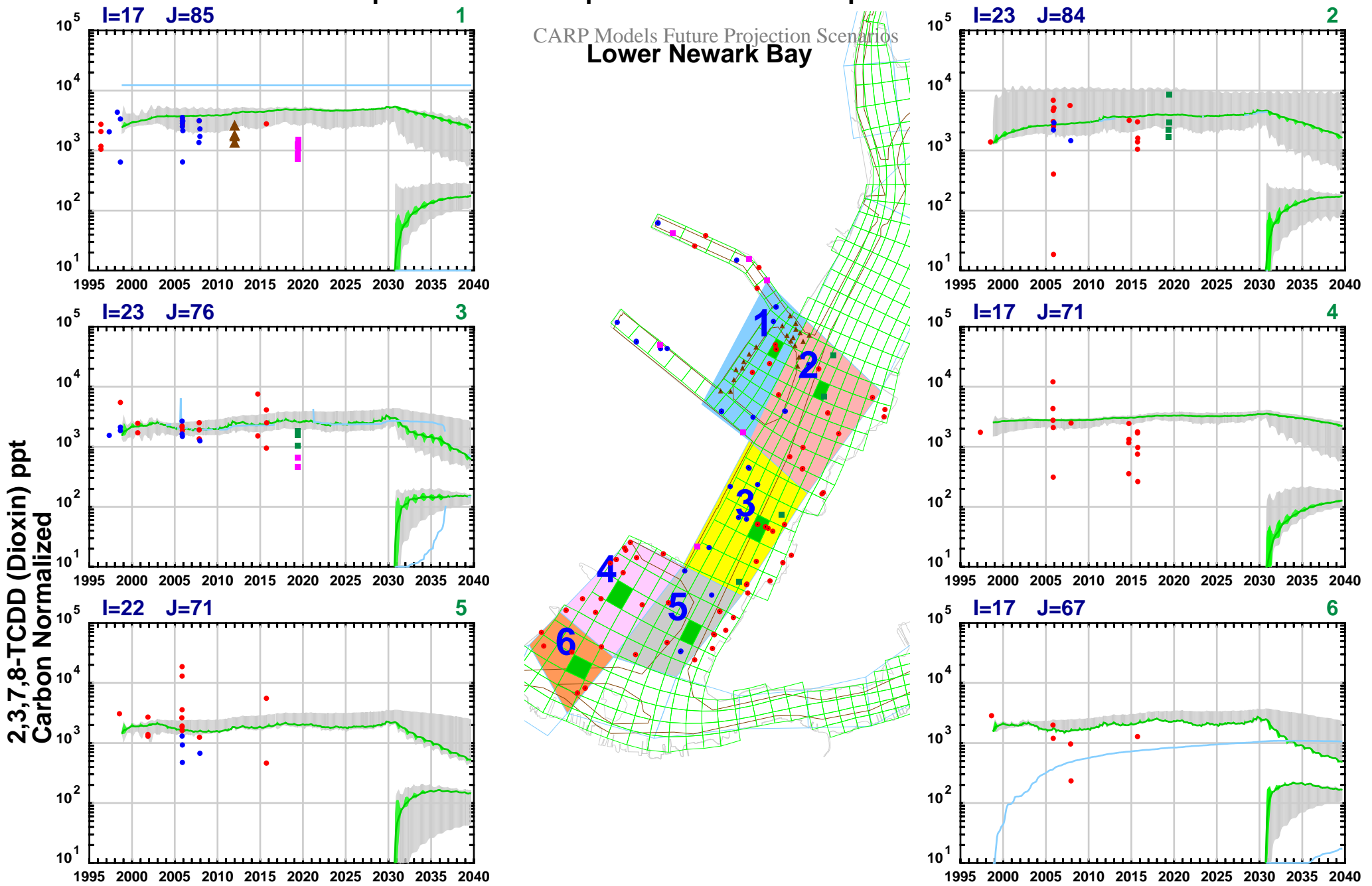
RUN18_PROJ01_PROJ02_R1

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

● In-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



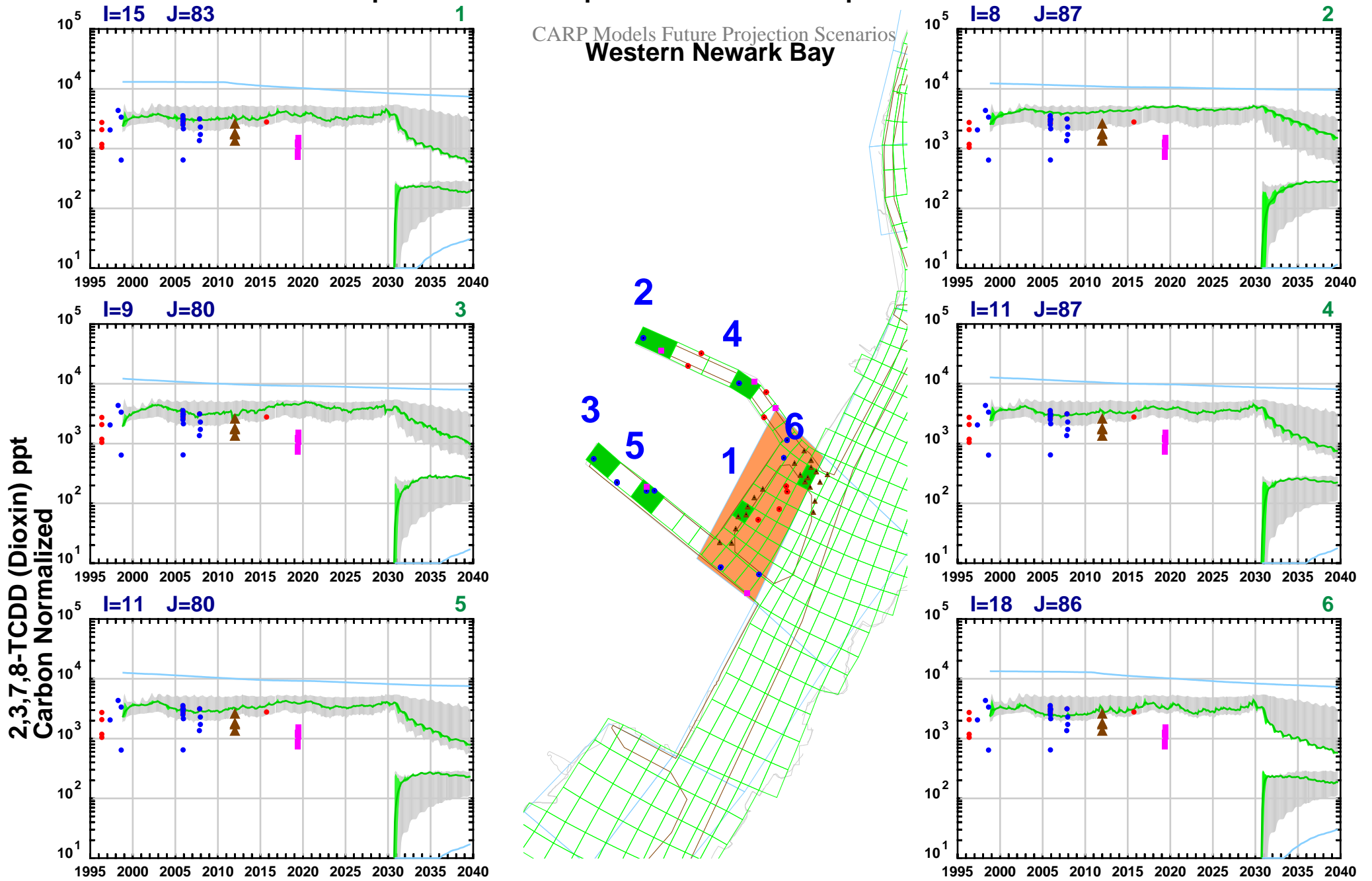
RUN18_PROJ01_PROJ02_R1

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

● In-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



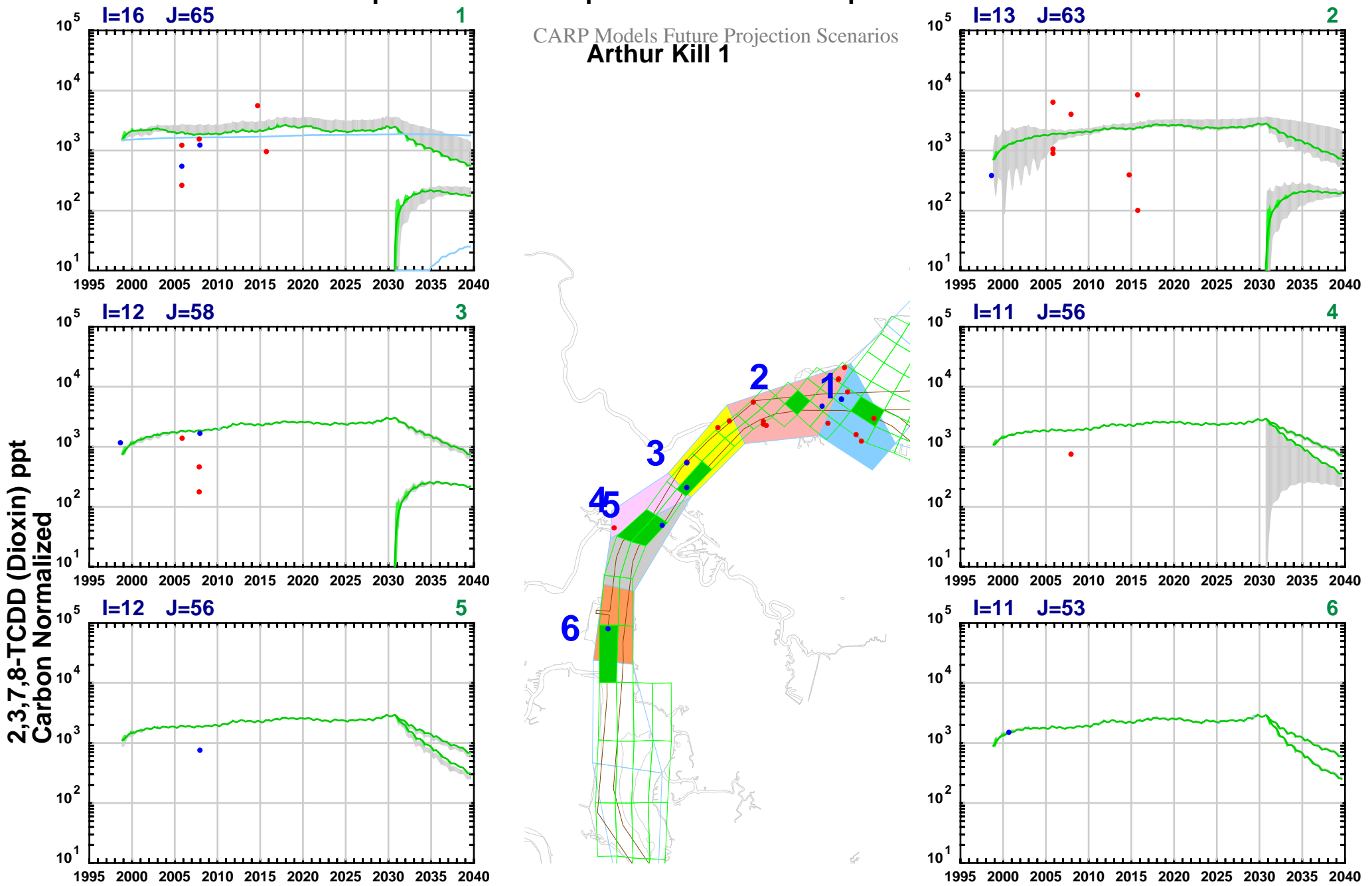
RUN18_PROJ01_PROJ02_R1

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

● In-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

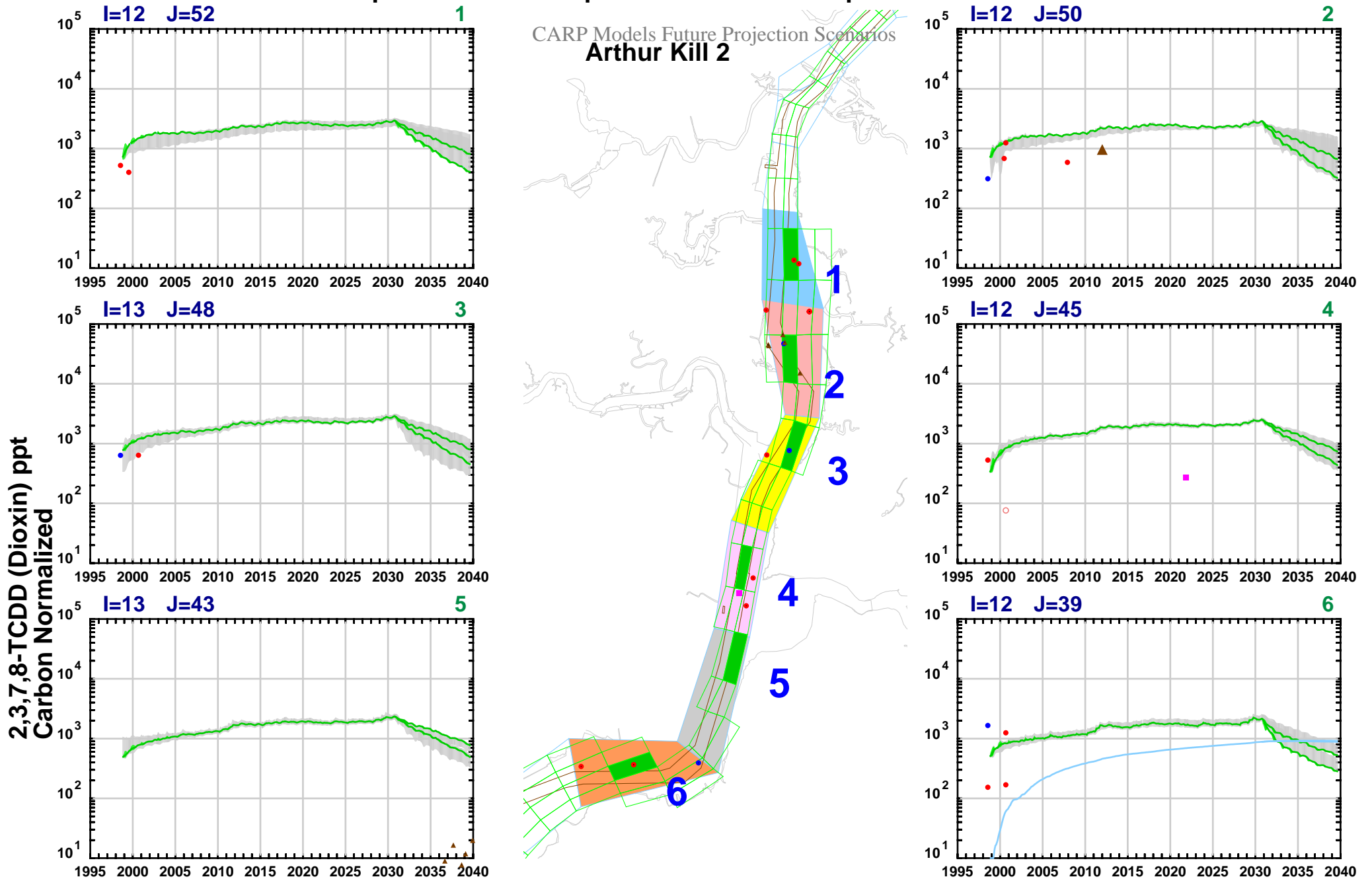


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

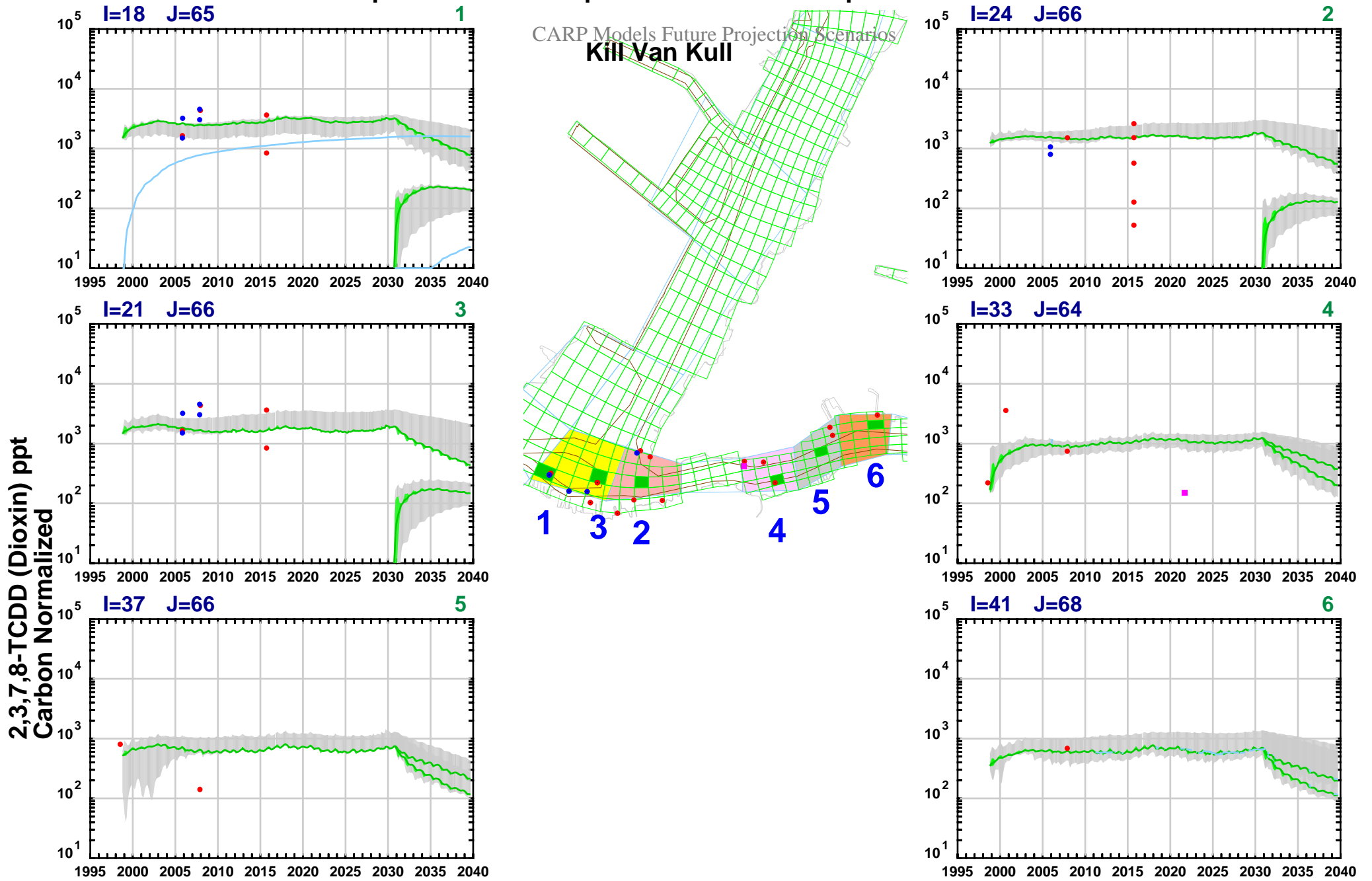


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

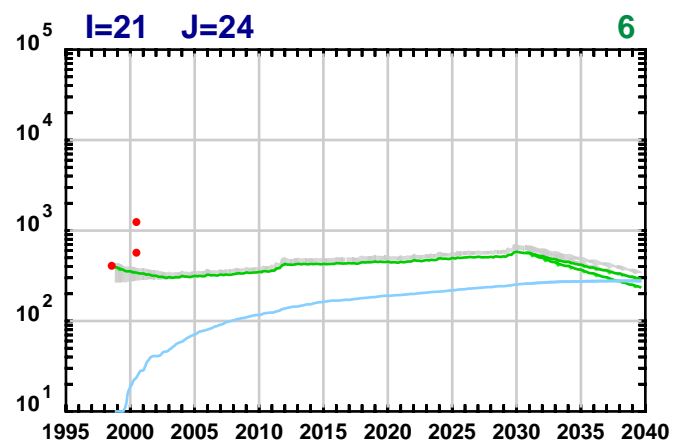
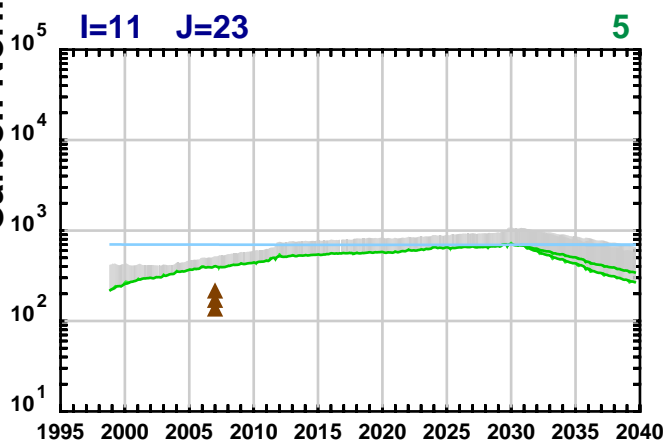
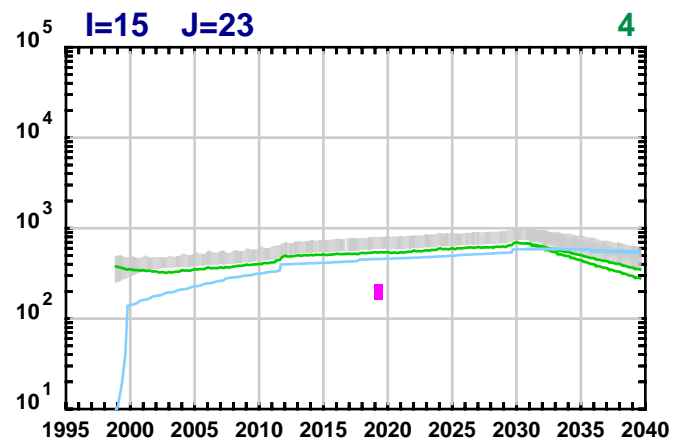
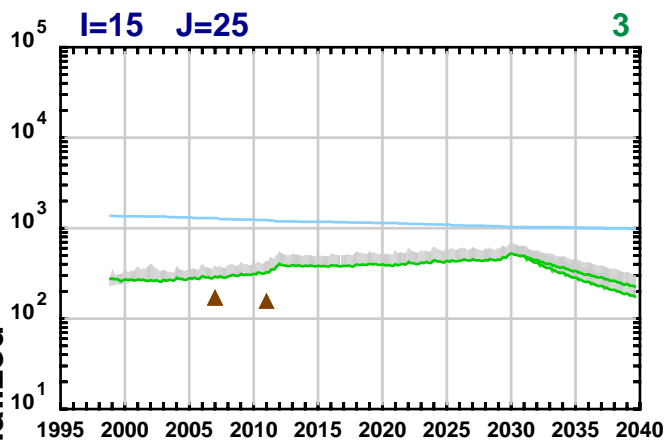
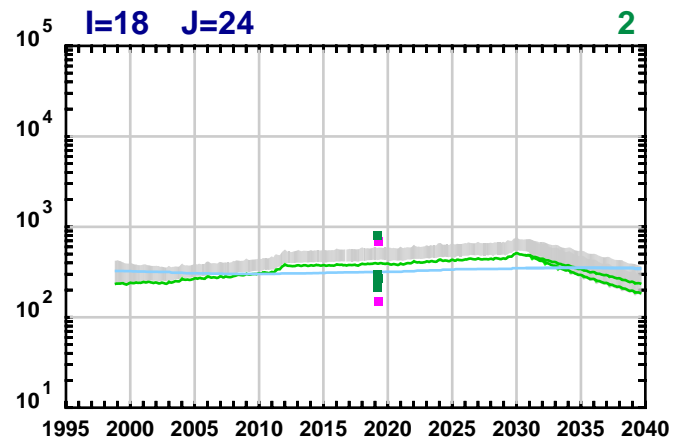
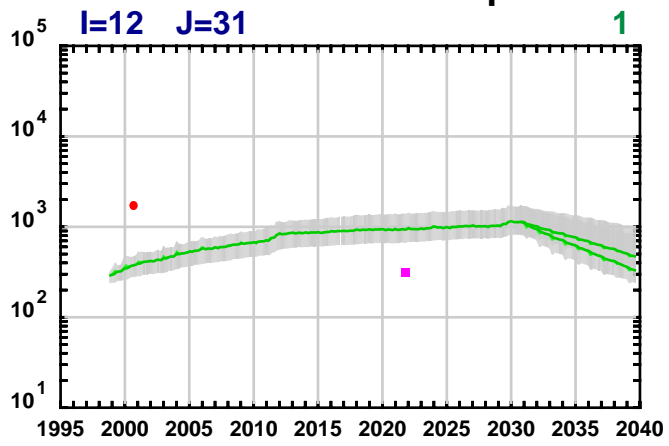
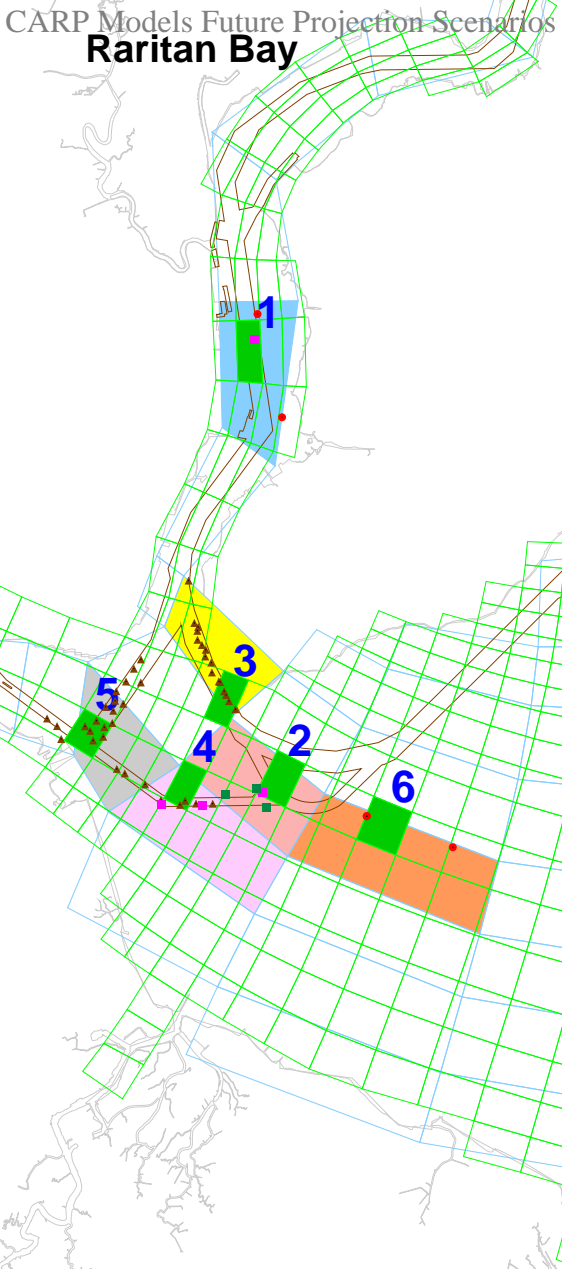


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



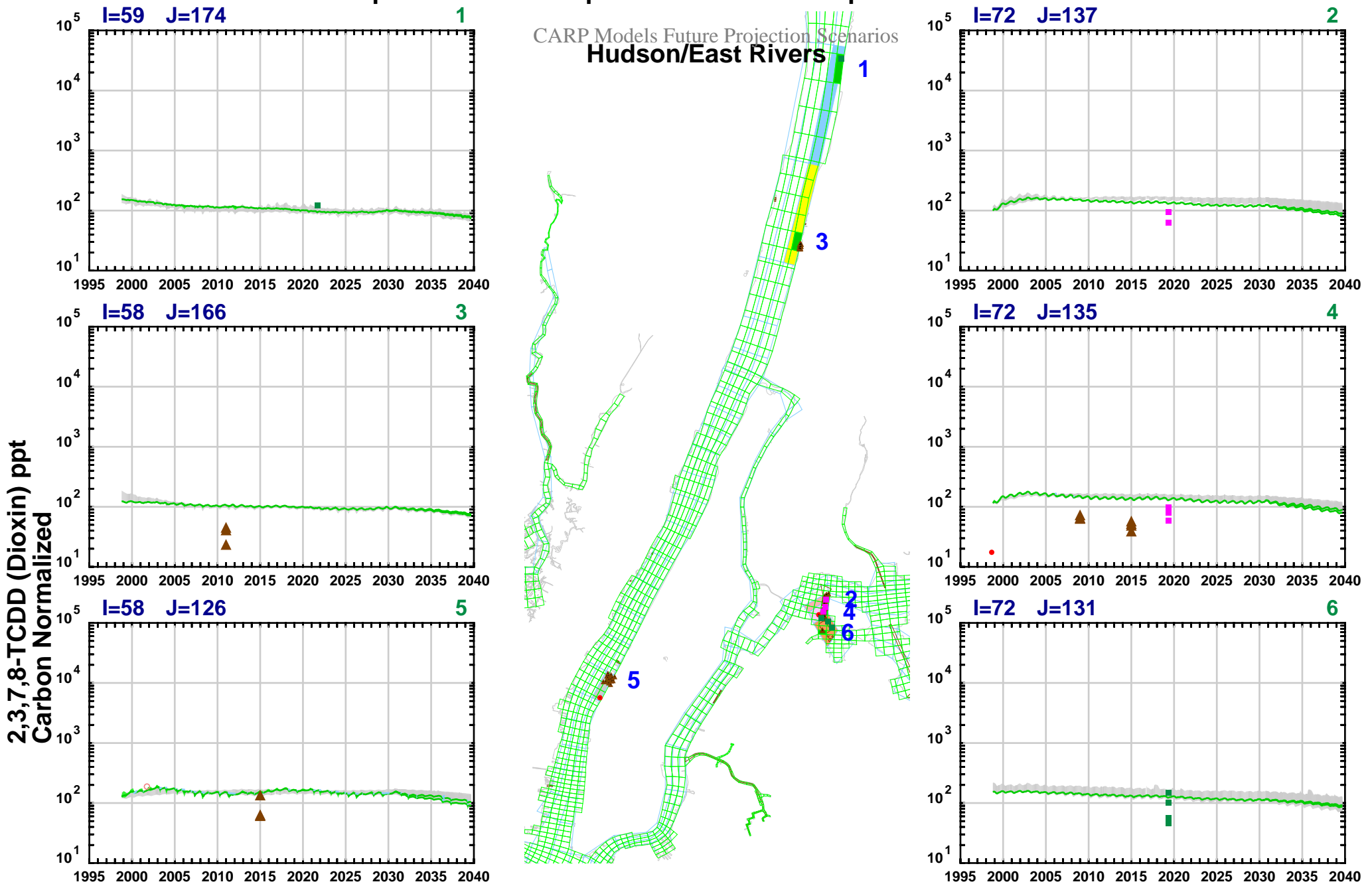
RUN18_PROJ01_PROJ02_R1

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

● In-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

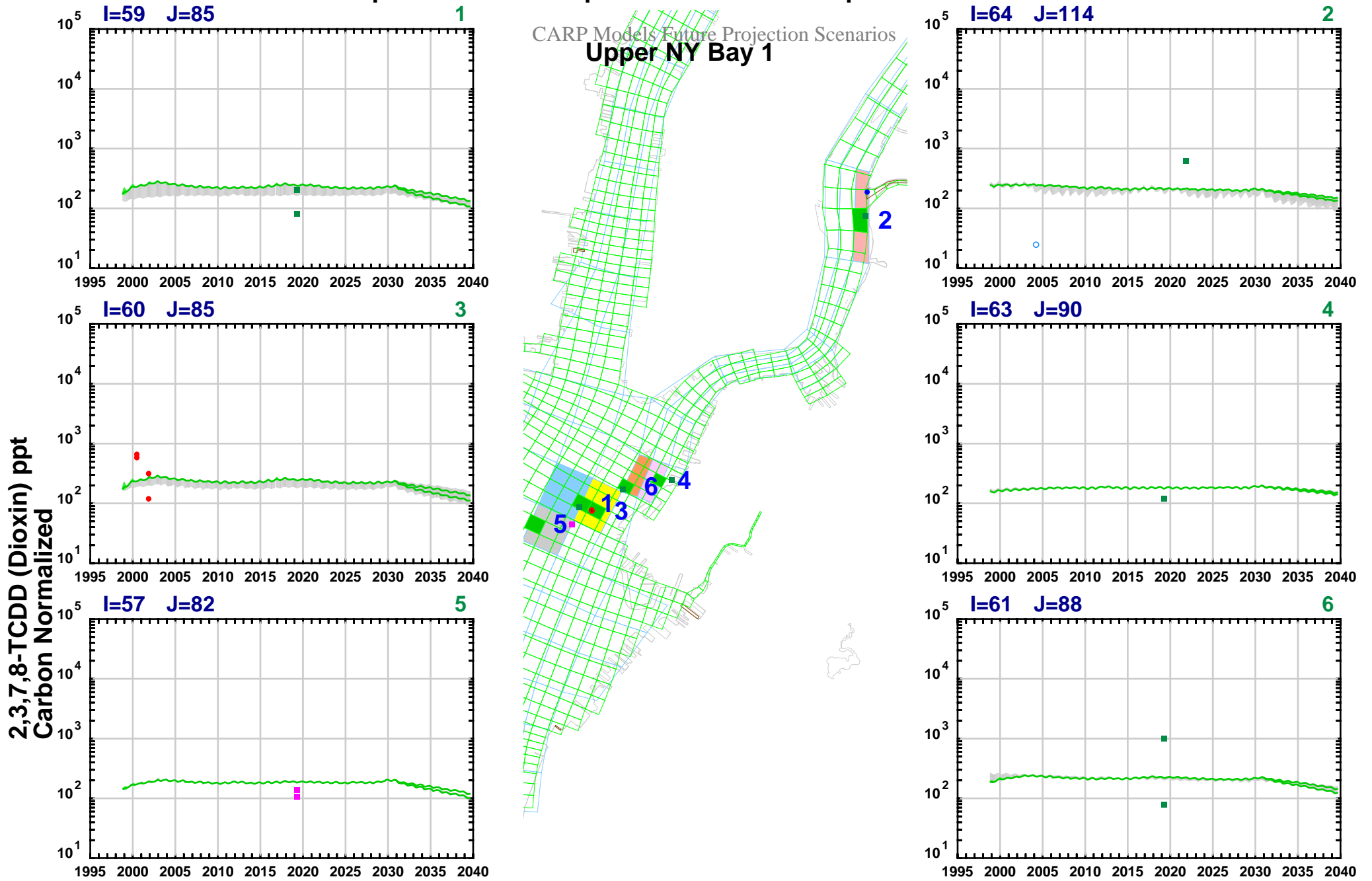


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

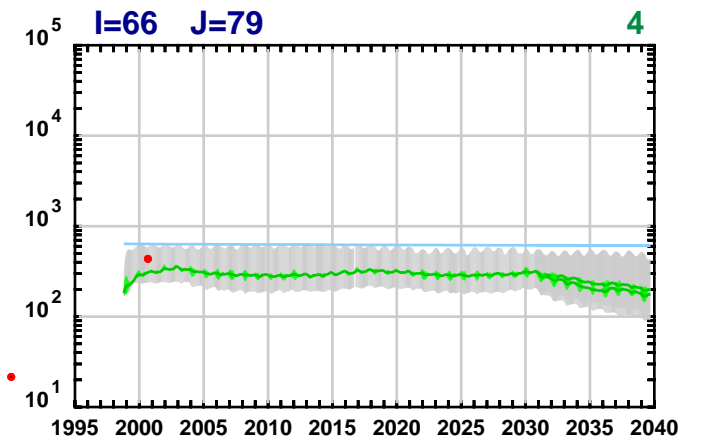
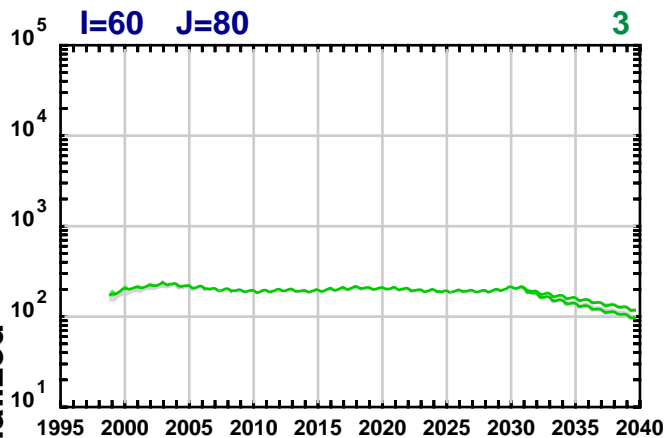
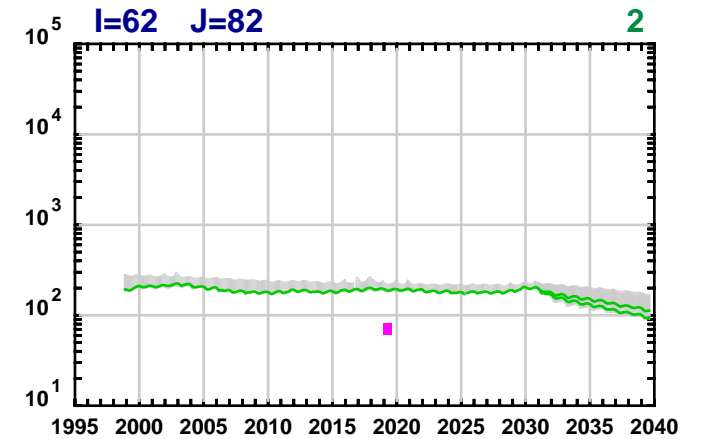
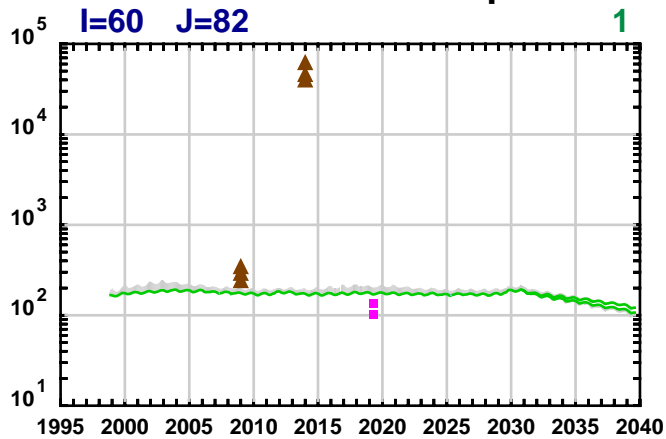
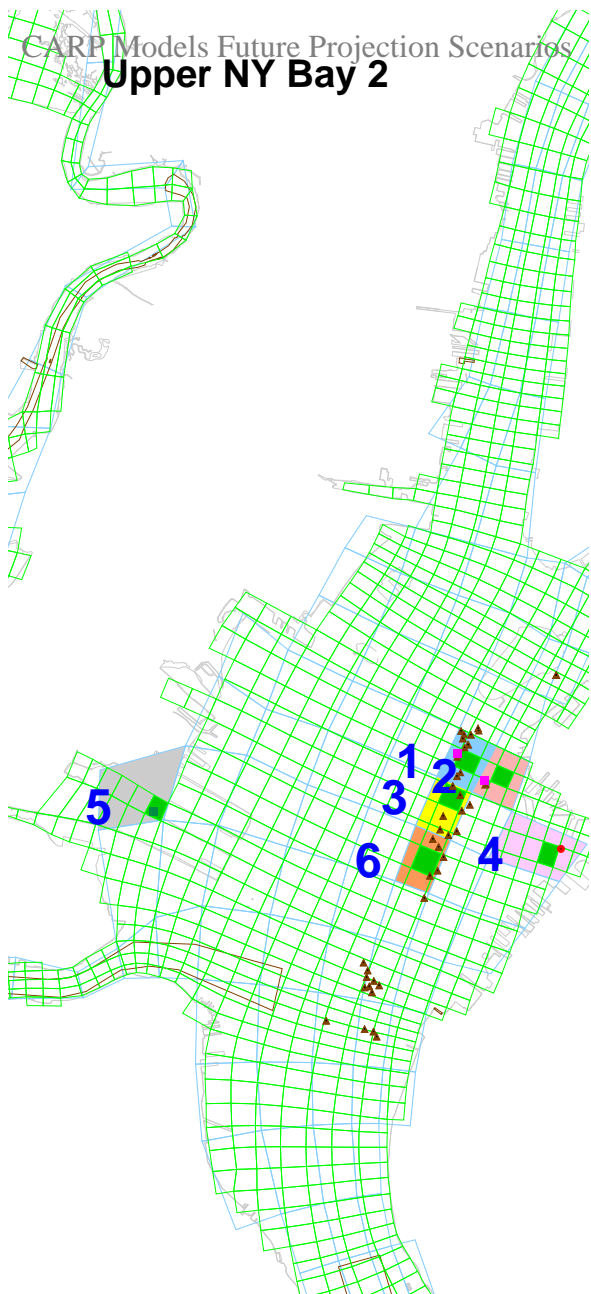


RUN18_PROJ01_PROJ02_R1

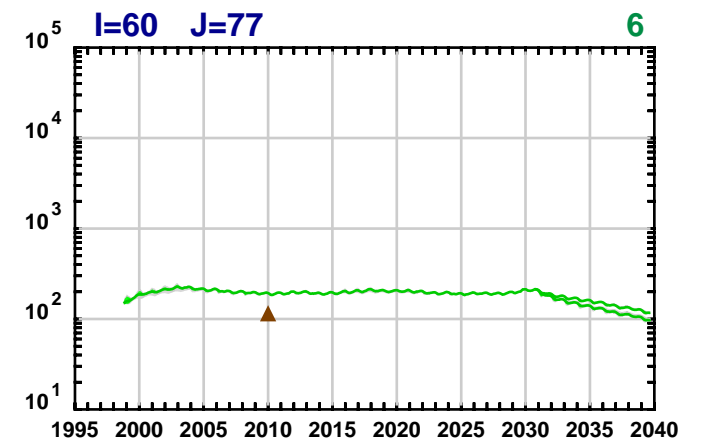
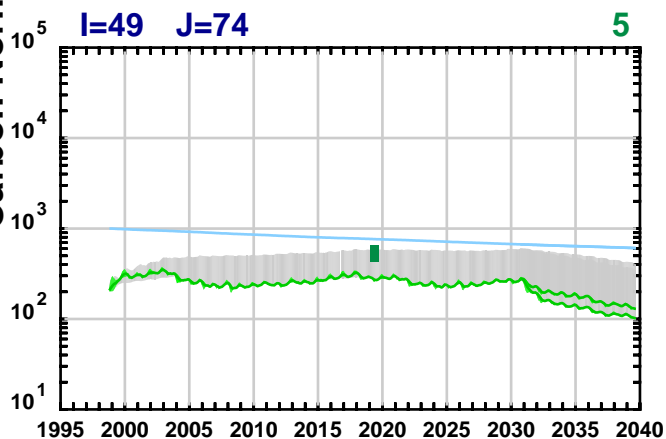
Model: mean and range of values in top sediment
 Model: mean and range of values in bottom sediment

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

Top 15 cm data comparison with model top 10 cm sediment



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

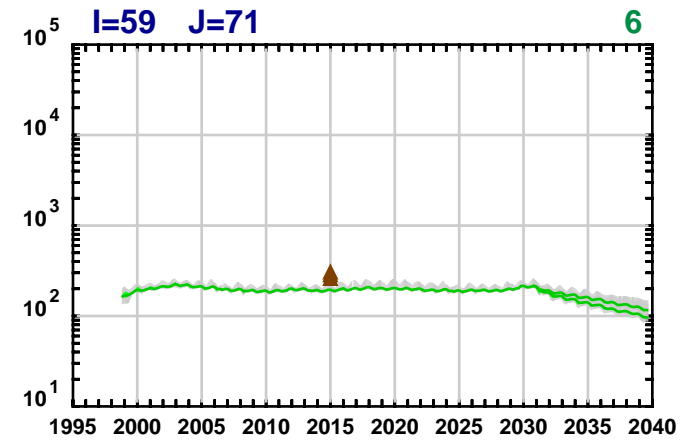
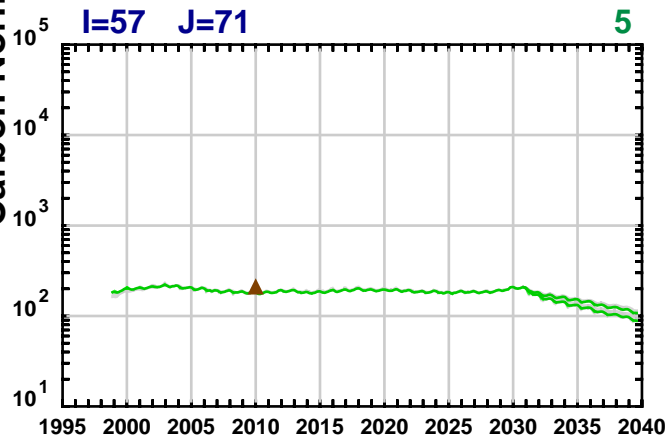
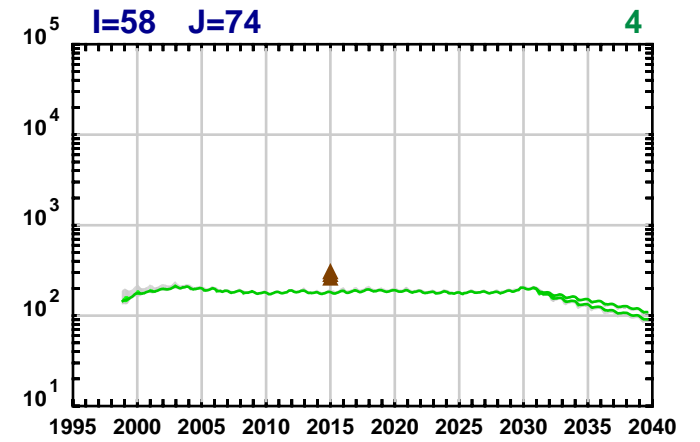
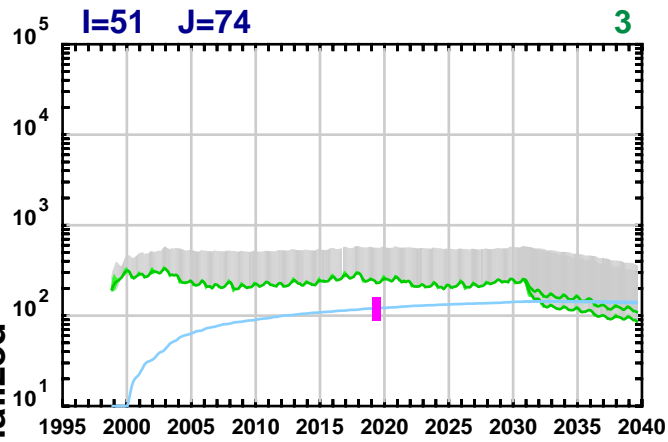
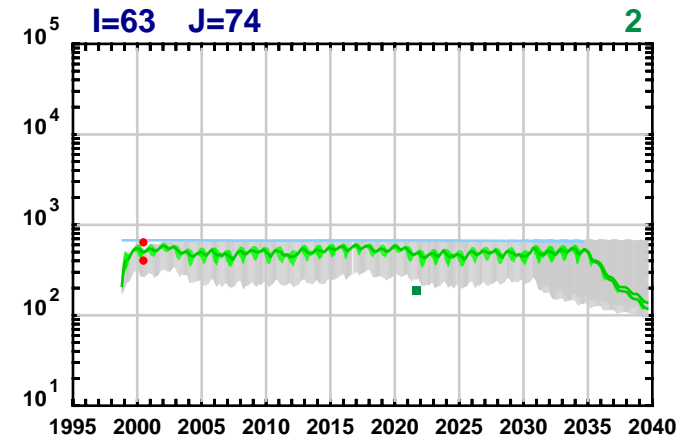
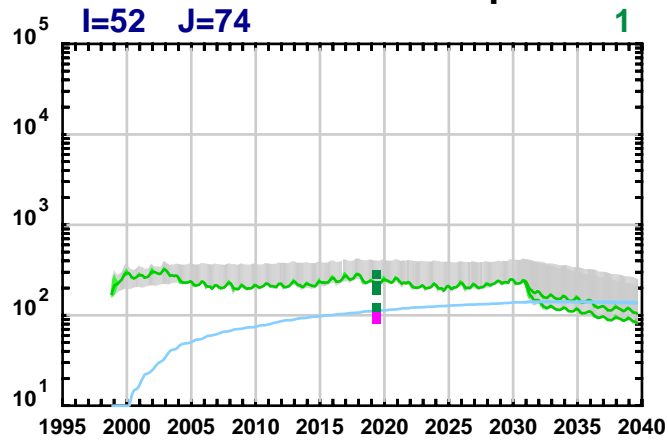
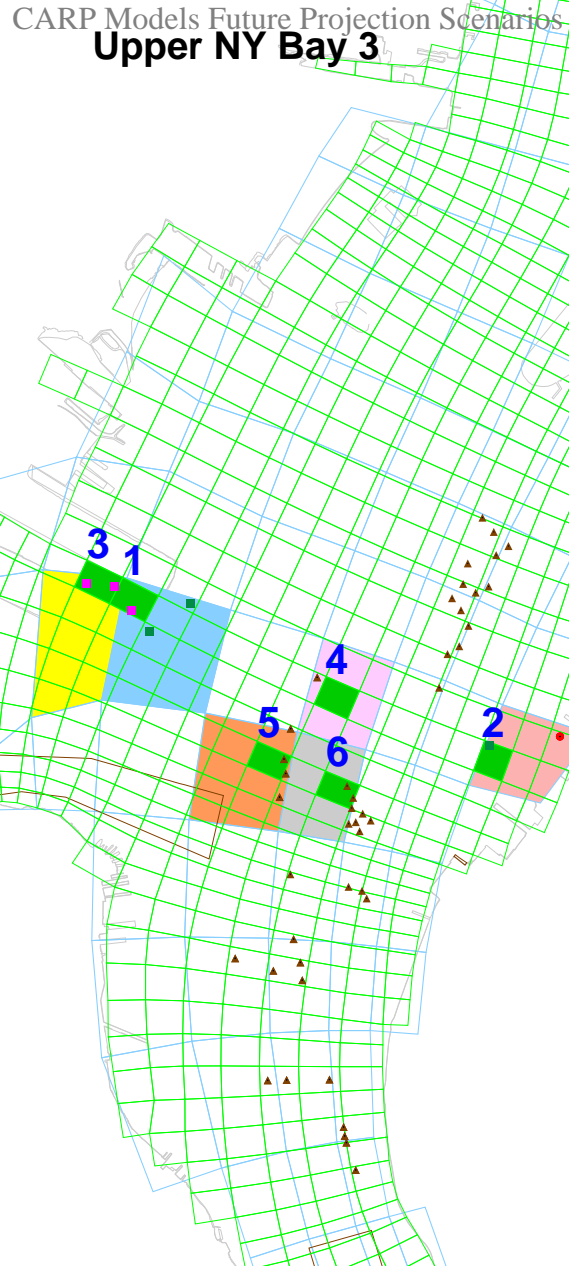


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



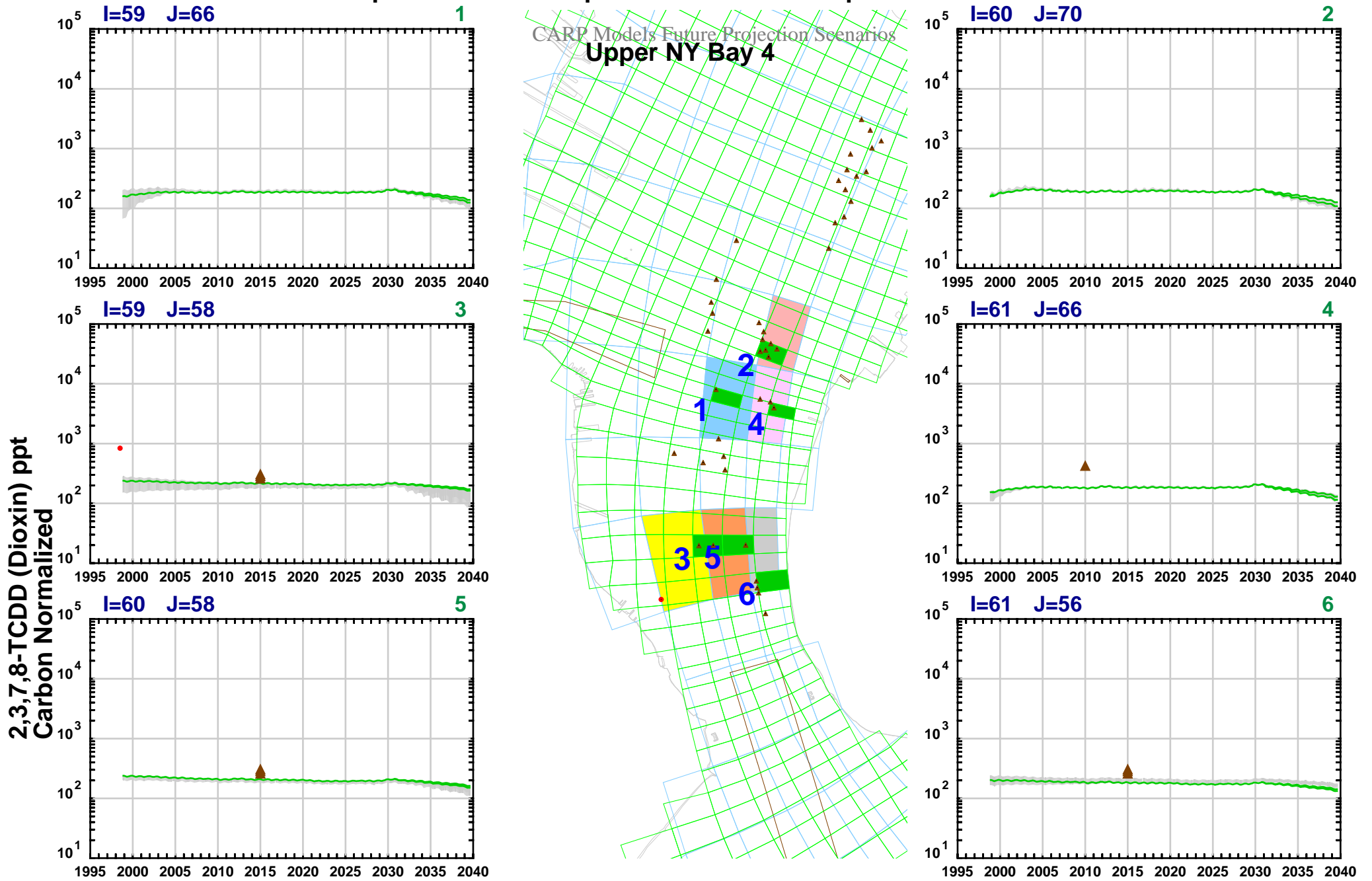
2,3,7,8-TCDD (Dioxin) ppt
Carbon Normalized

RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

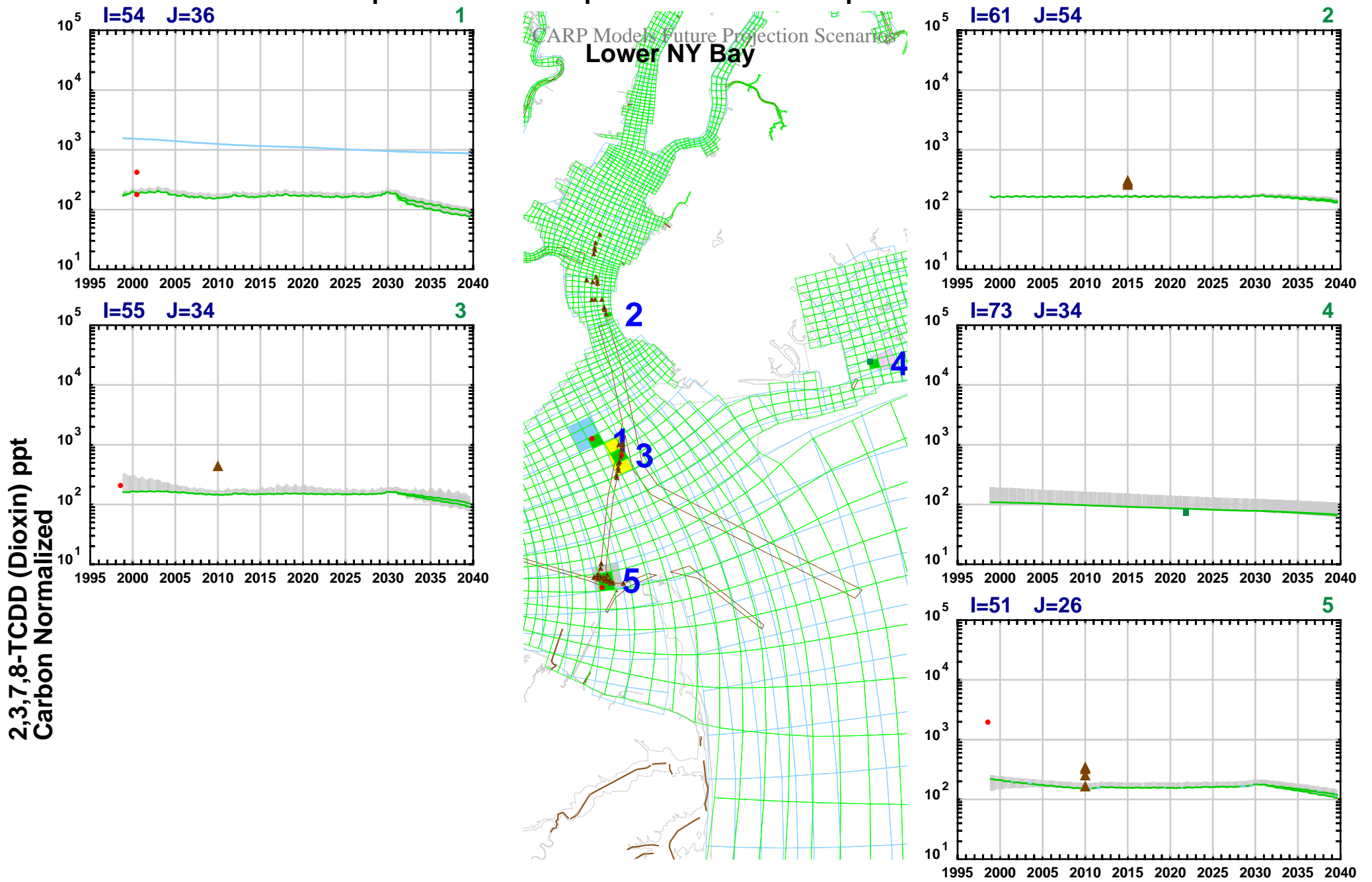


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



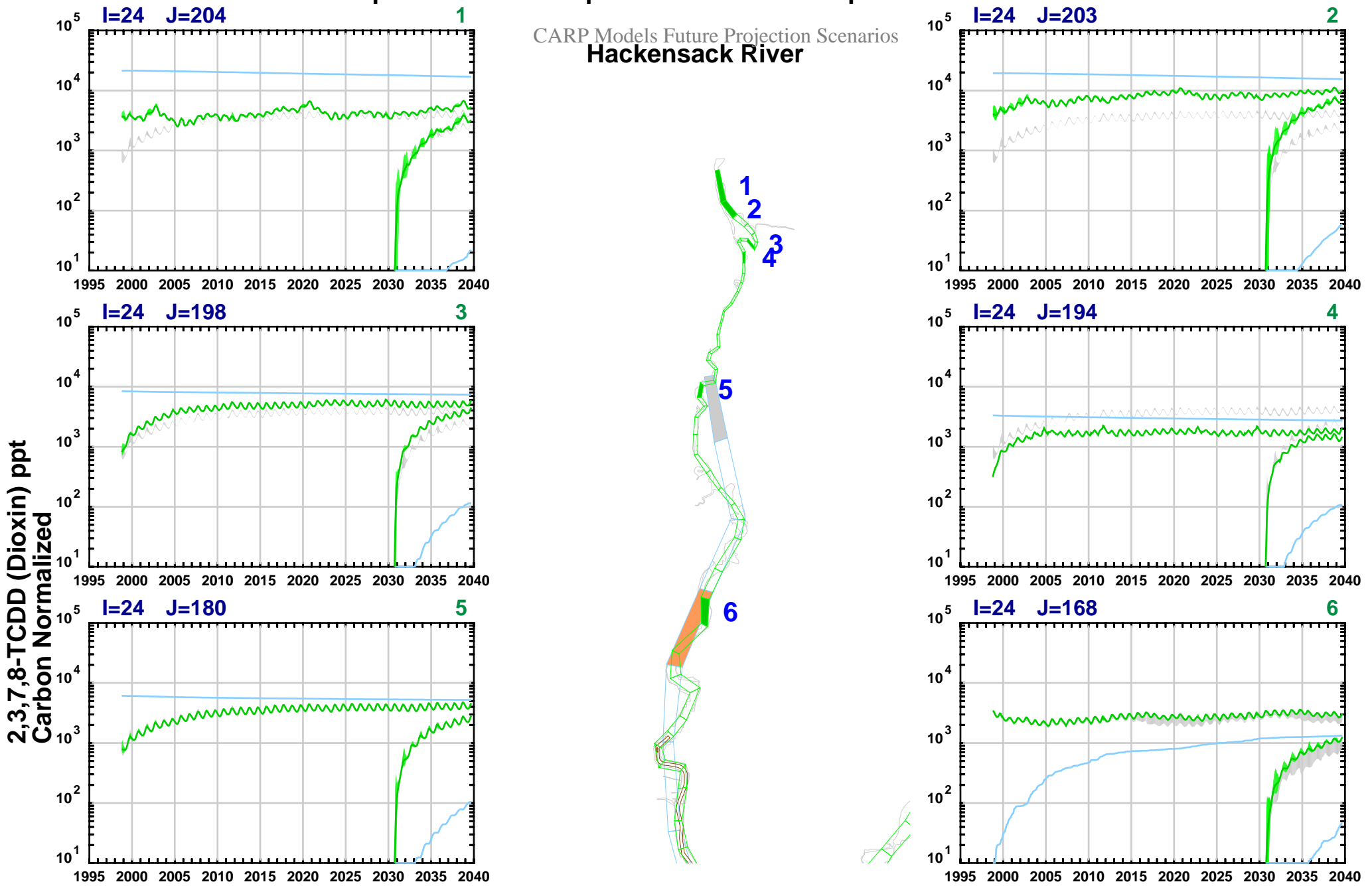
RUN18_PROJ01_PROJ02_R1

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

● In-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



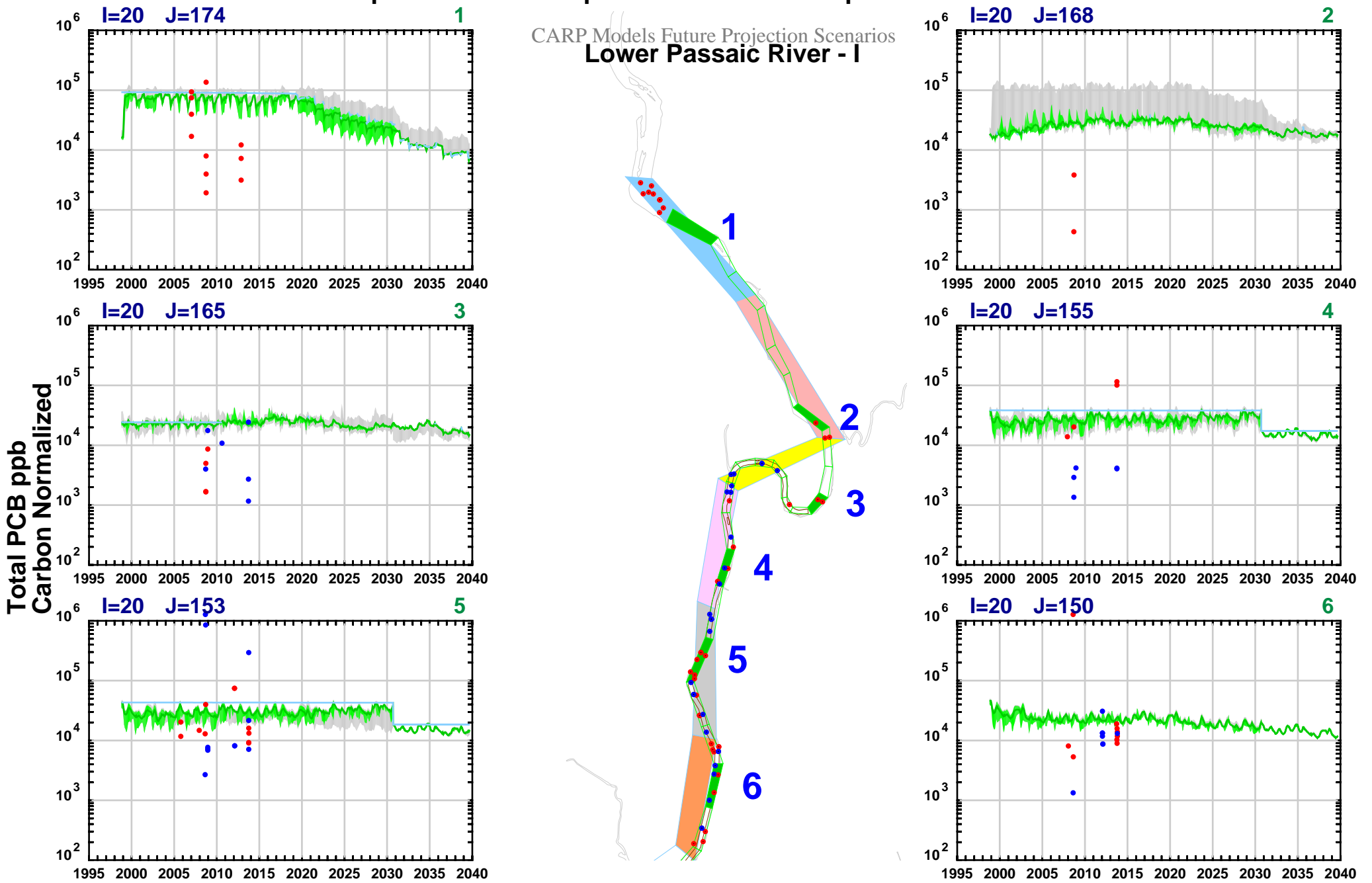
RUN18_PROJ01_PROJ02_R1

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

● In-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



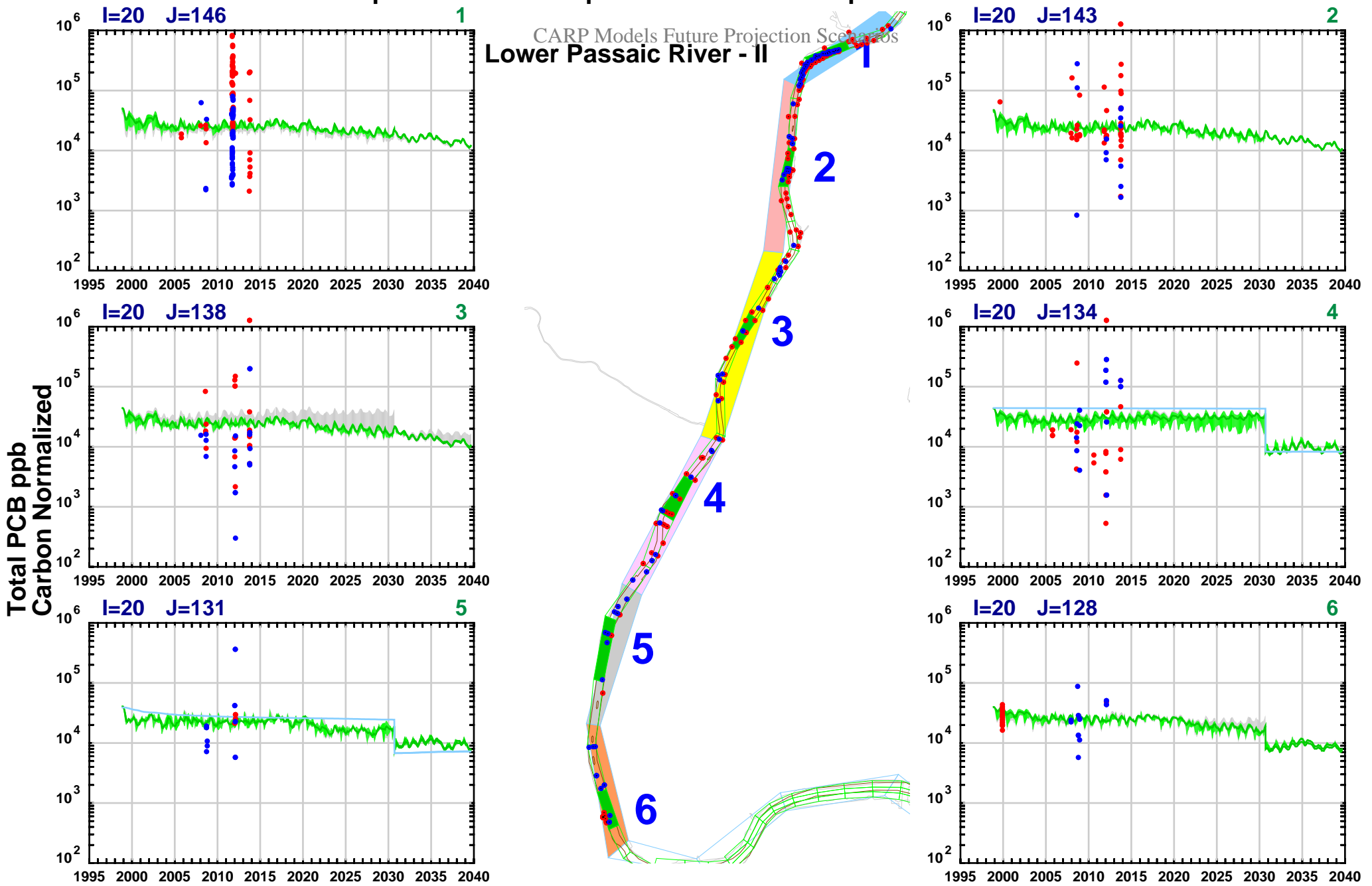
RUN18_PROJ01_PROJ02_R1

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

● In-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

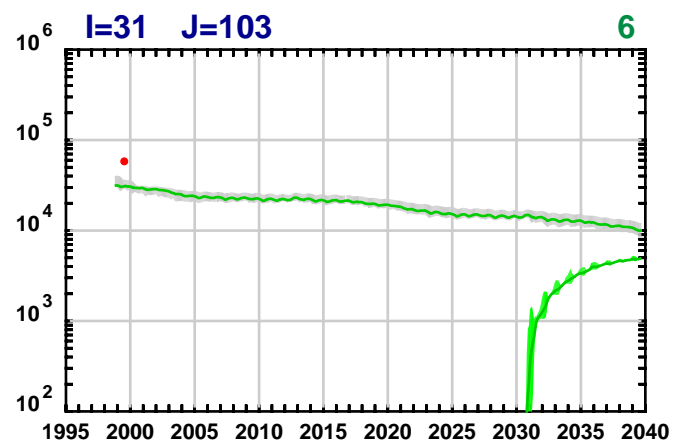
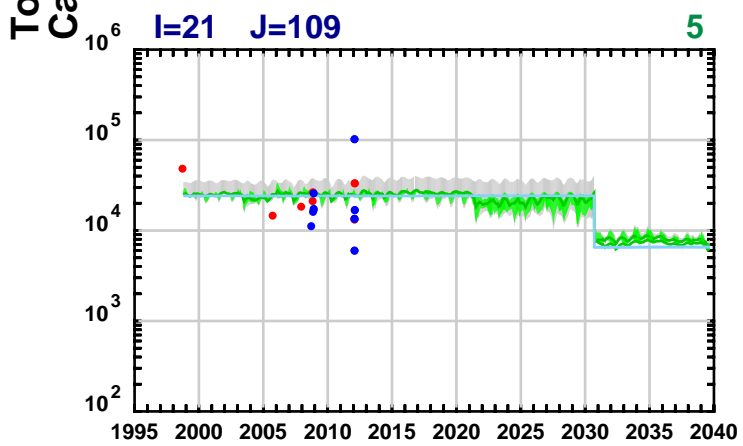
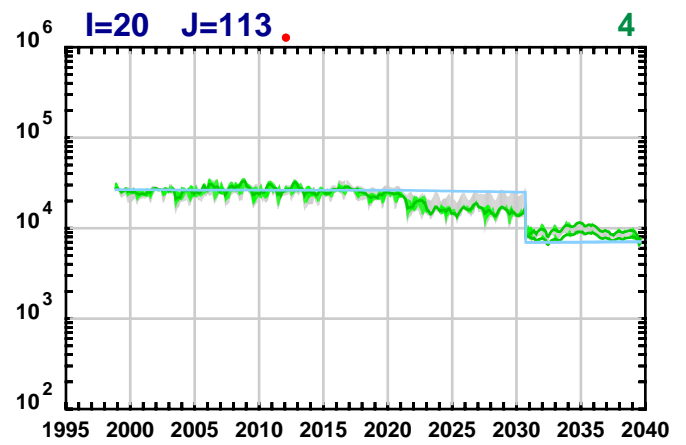
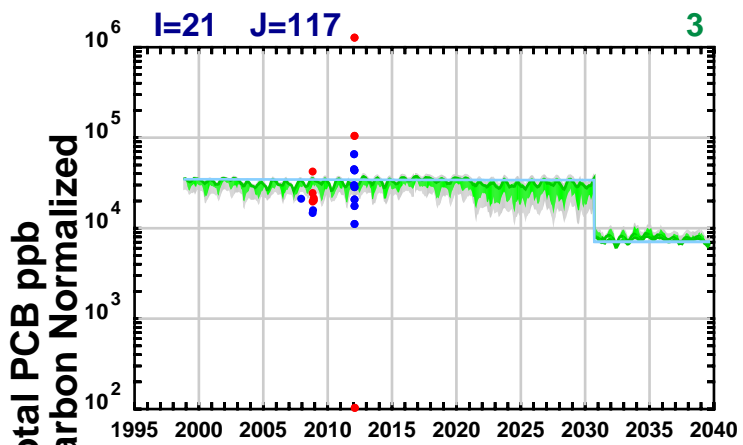
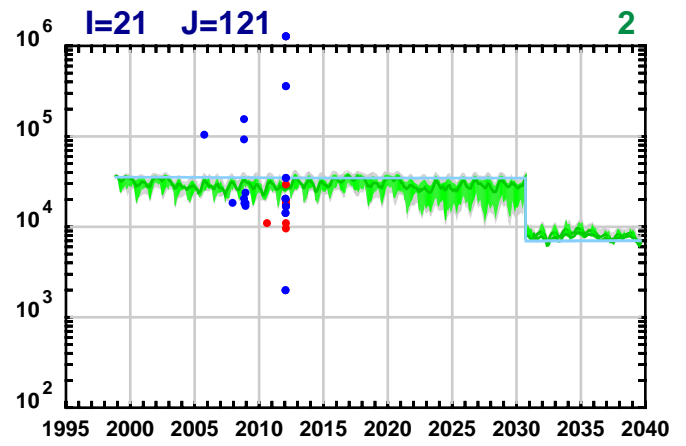
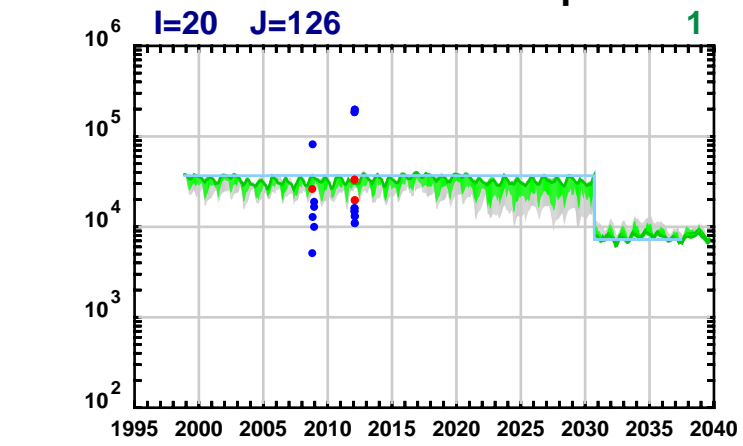
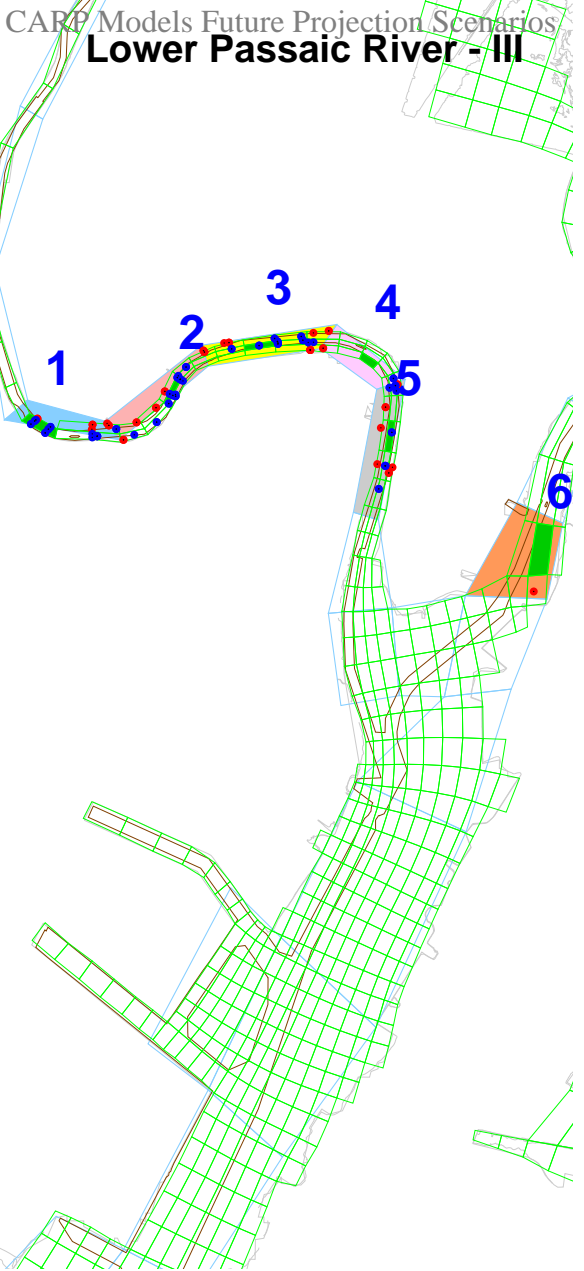


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

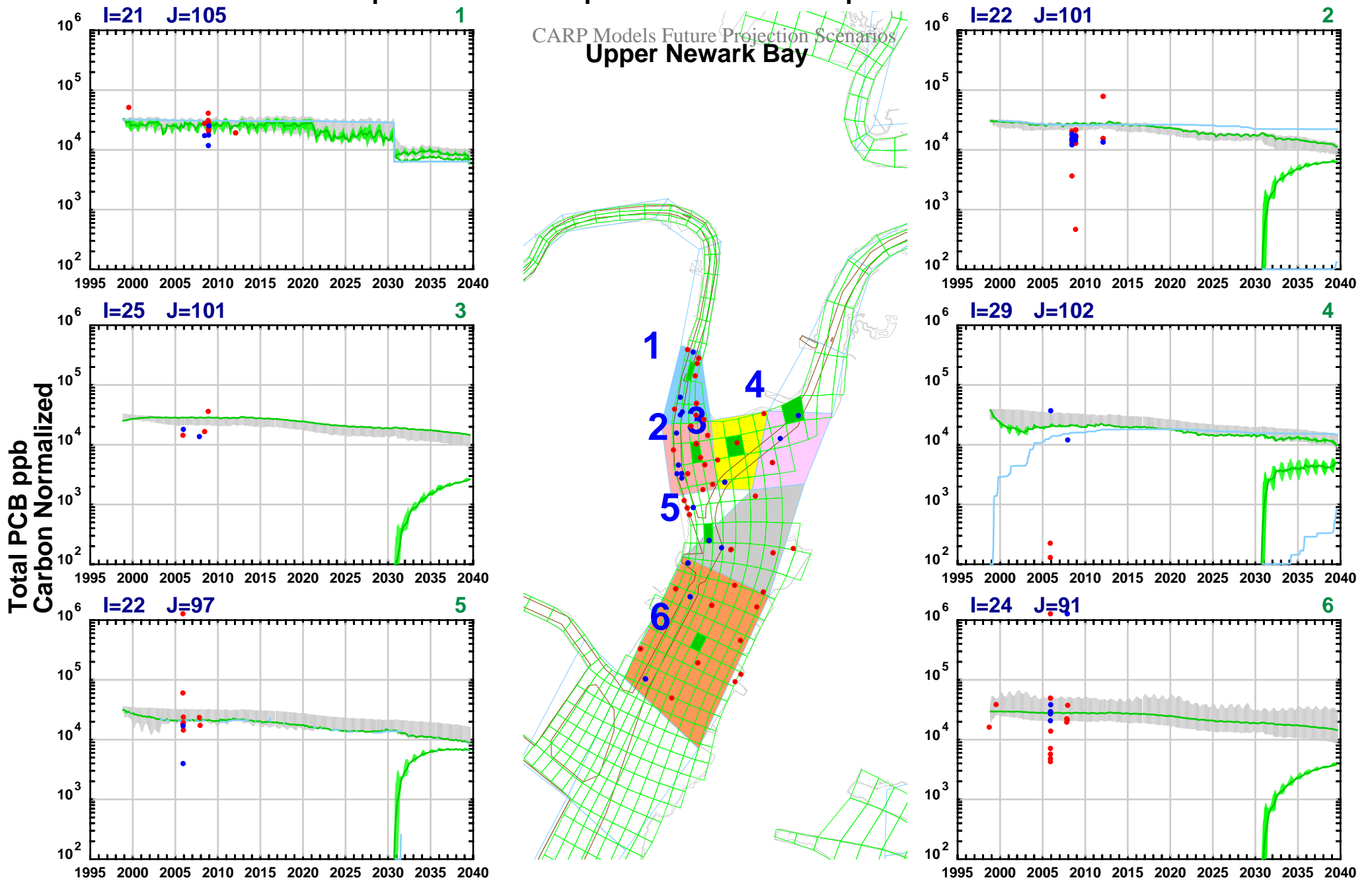


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



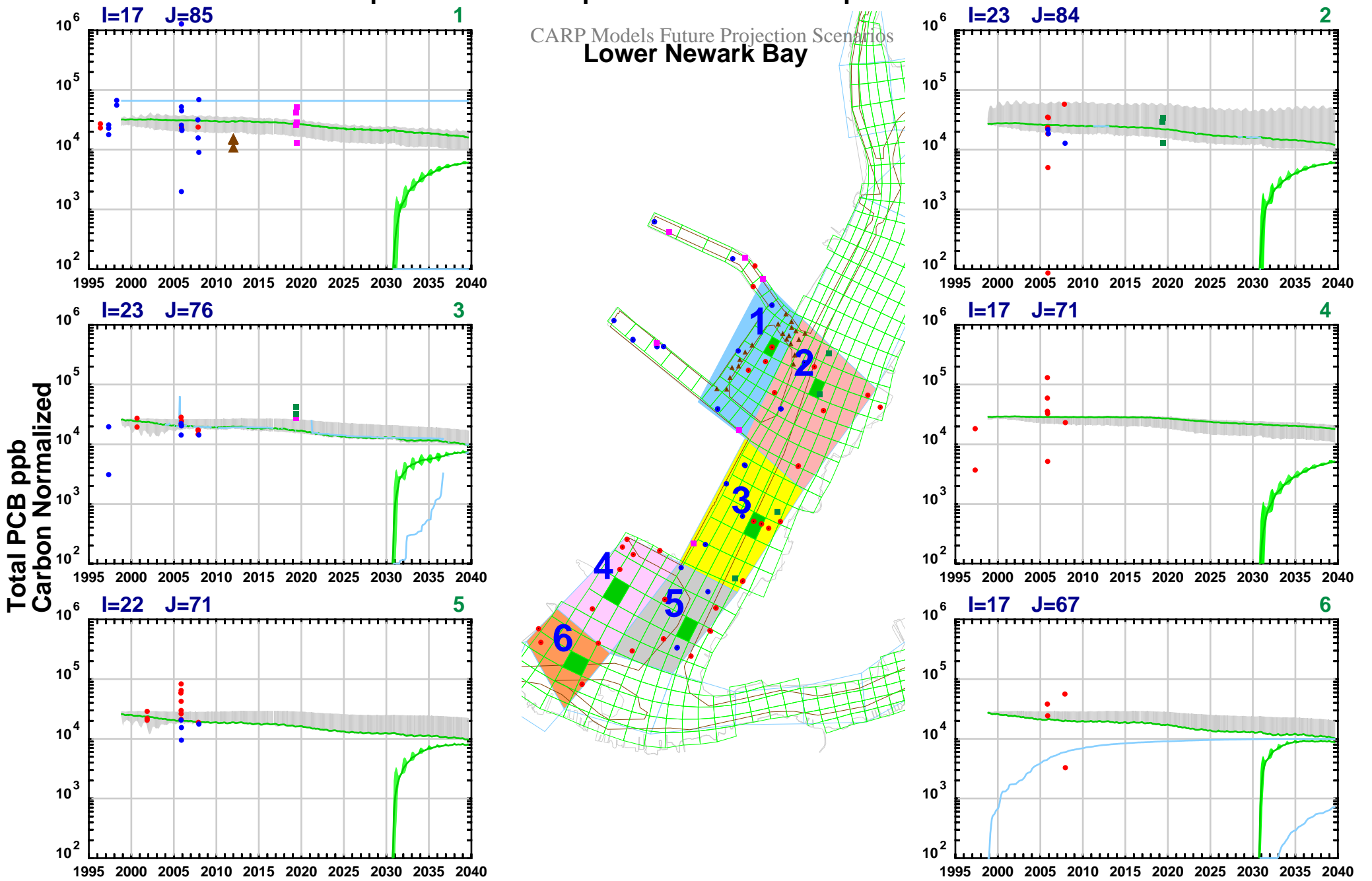
RUN18_PROJ01_PROJ02_R1

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

● In-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



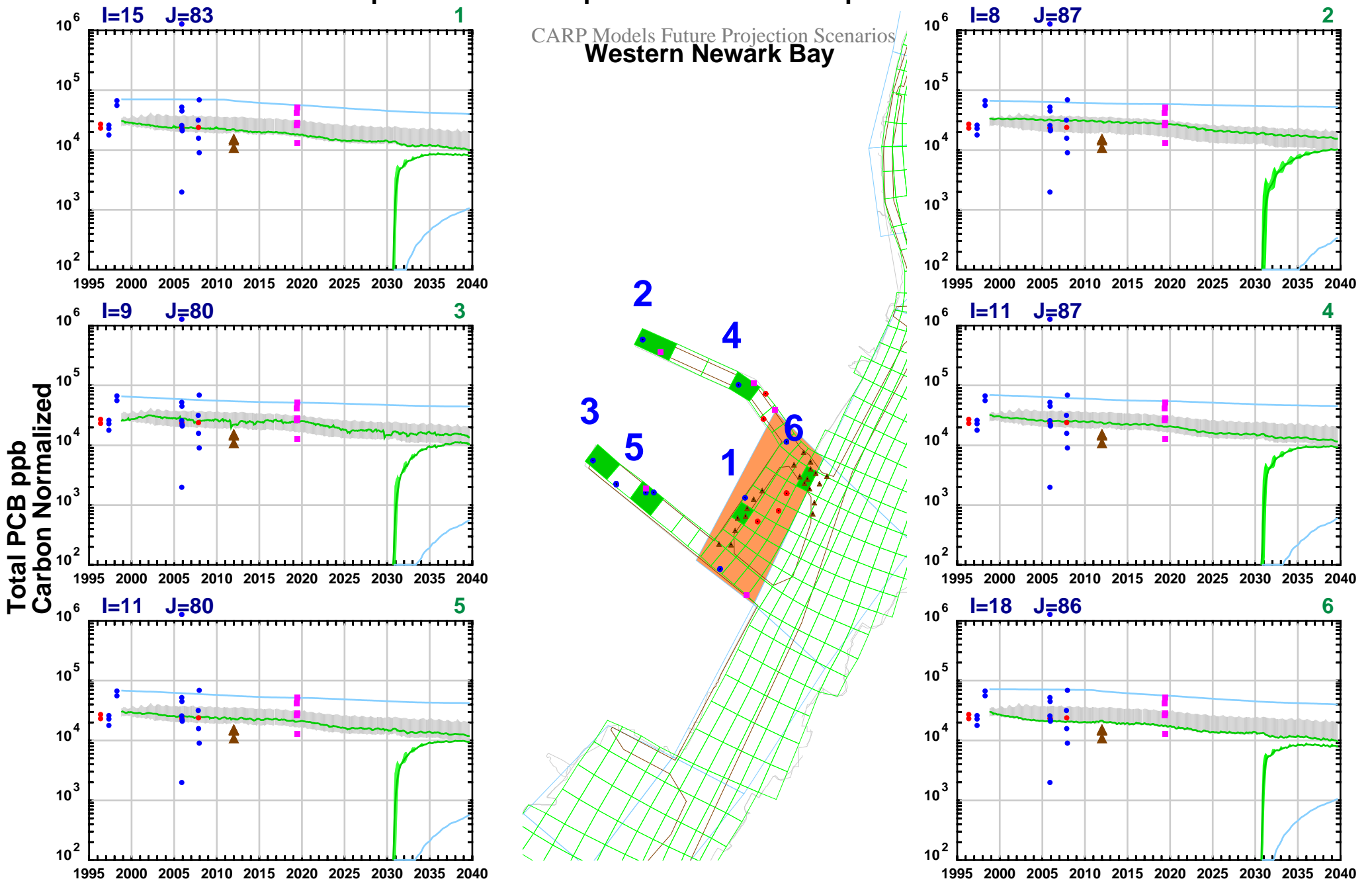
RUN18_PROJ01_PROJ02_R1

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

● In-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



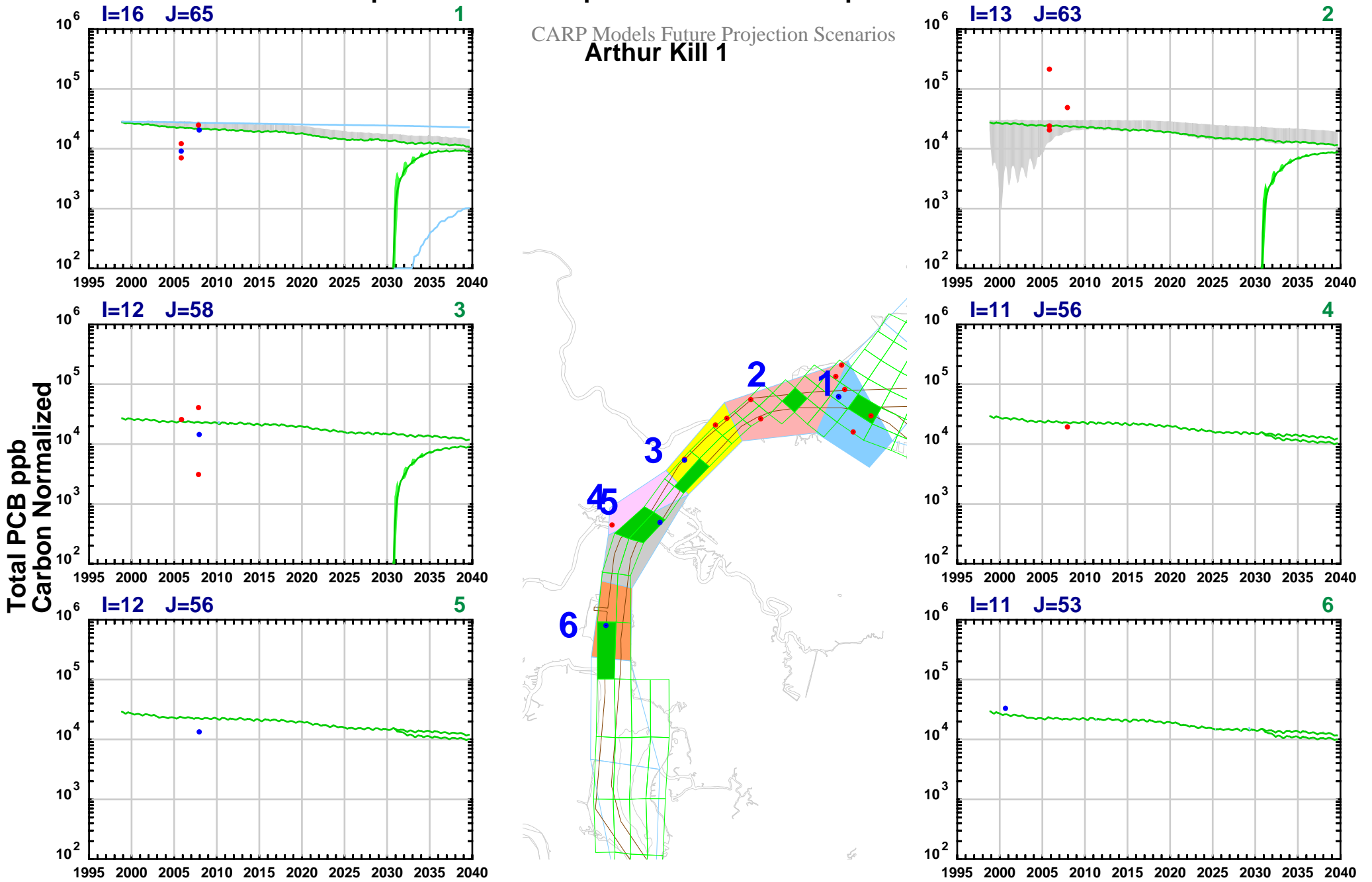
RUN18_PROJ01_PROJ02_R1

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

● In-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

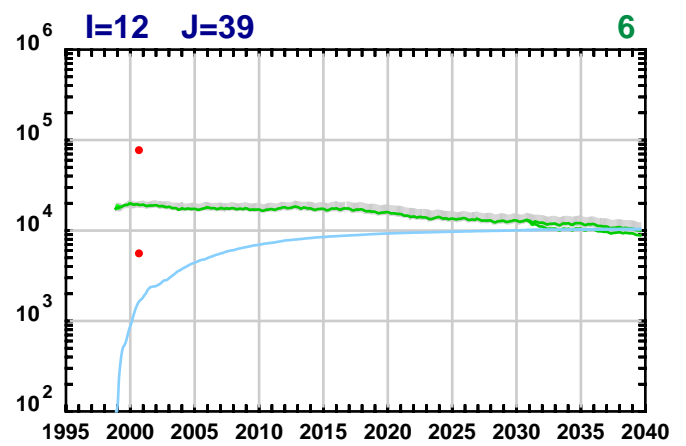
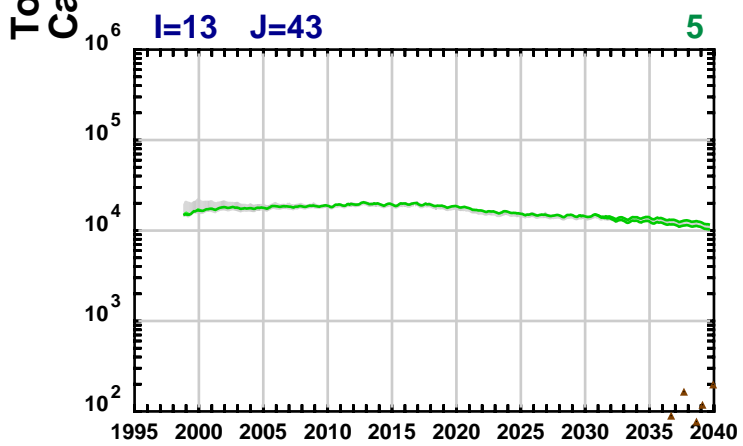
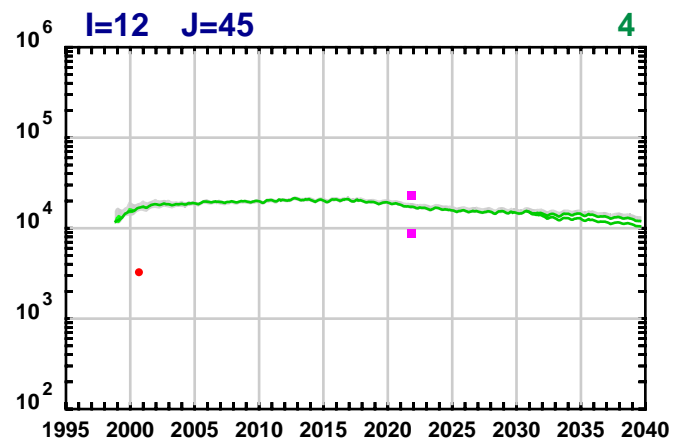
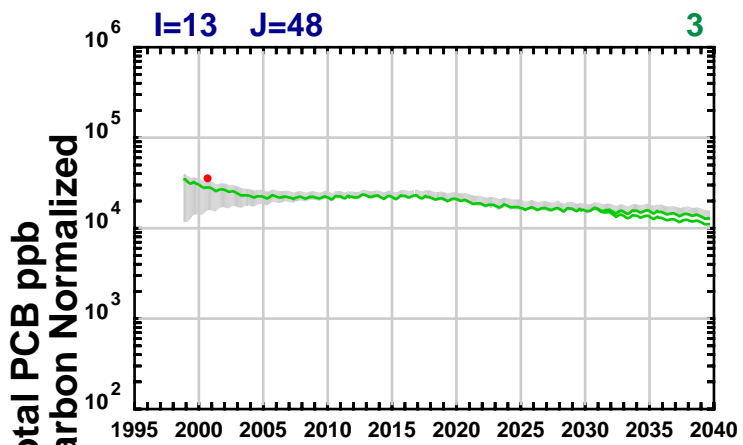
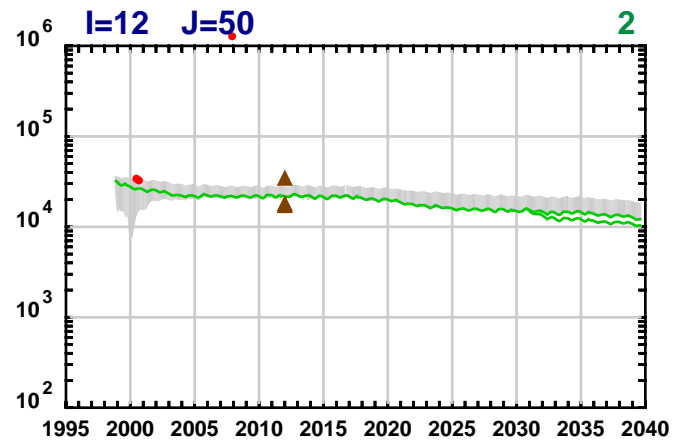
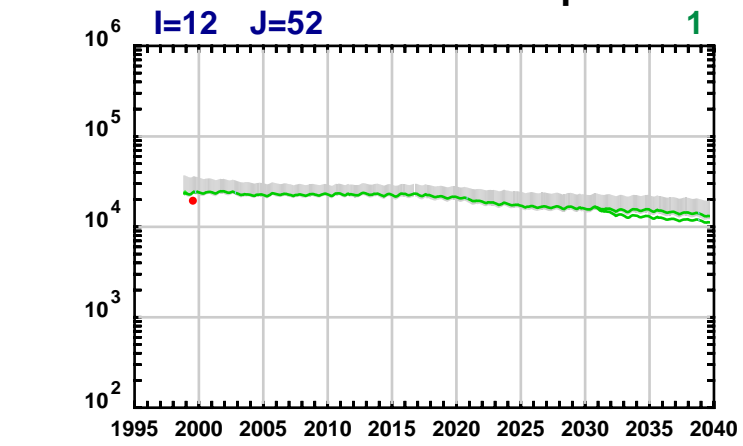
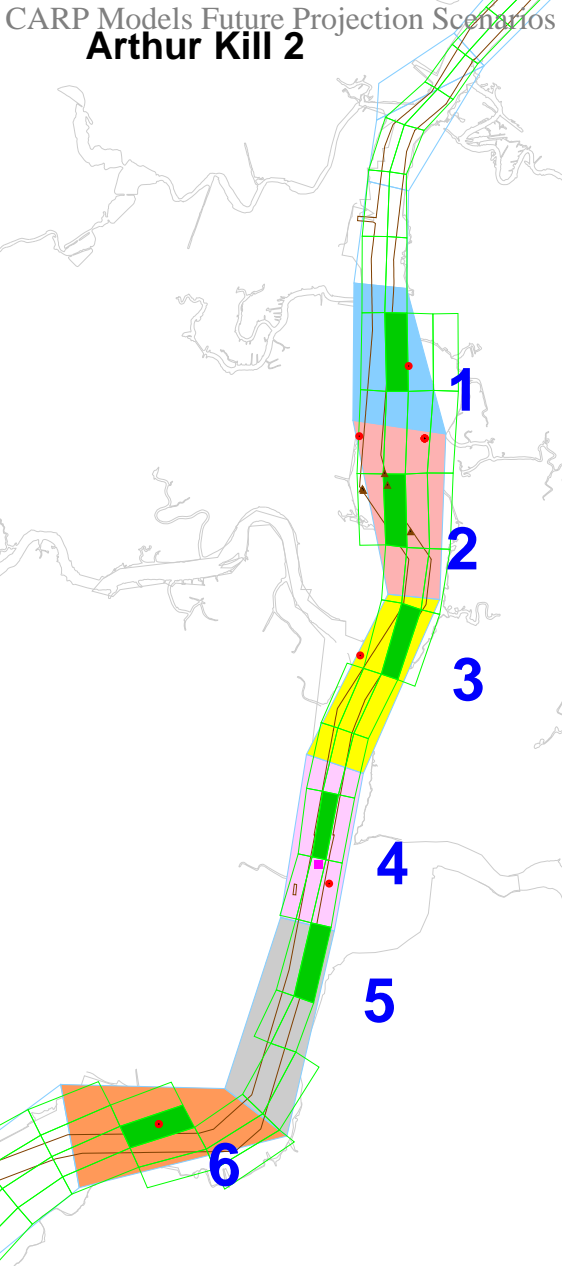


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

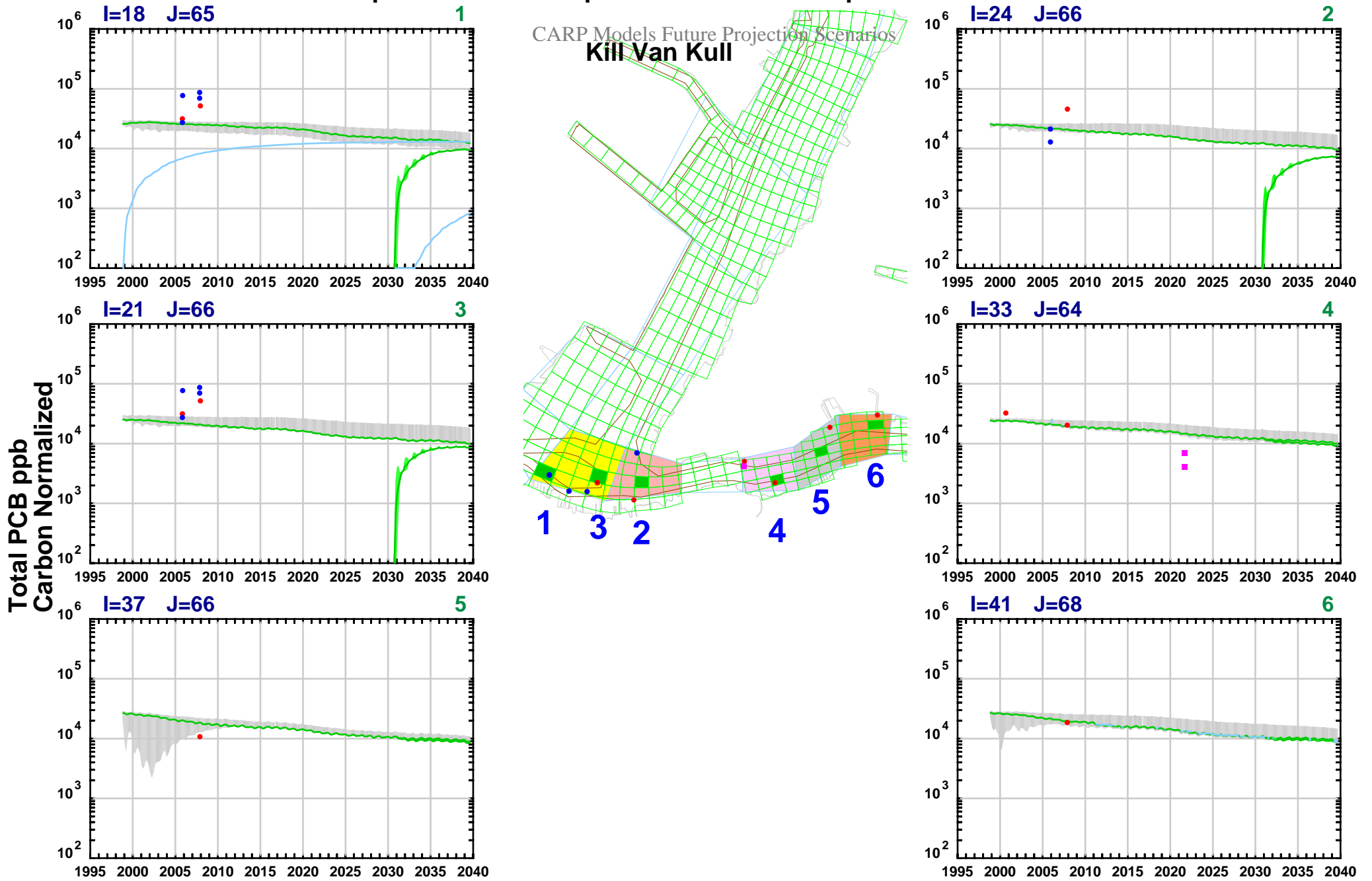


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

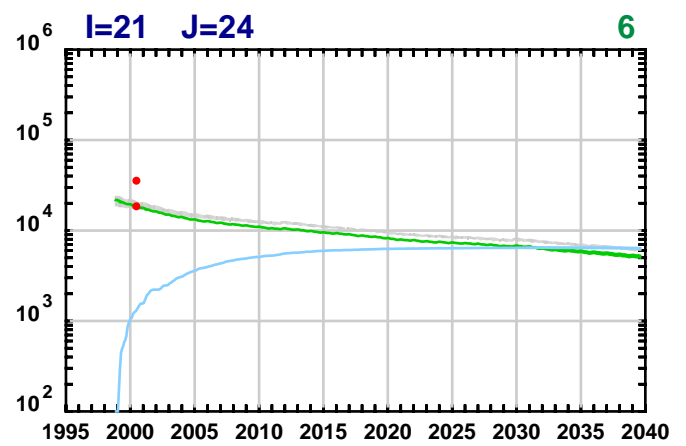
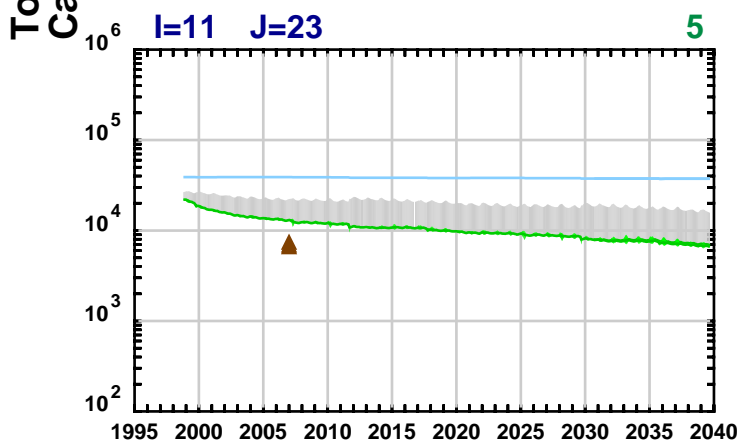
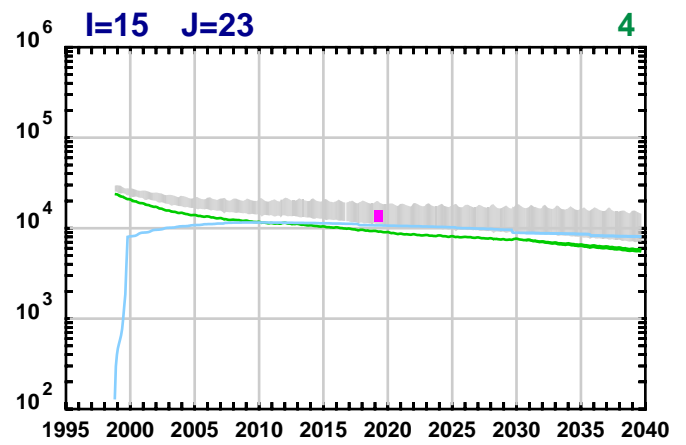
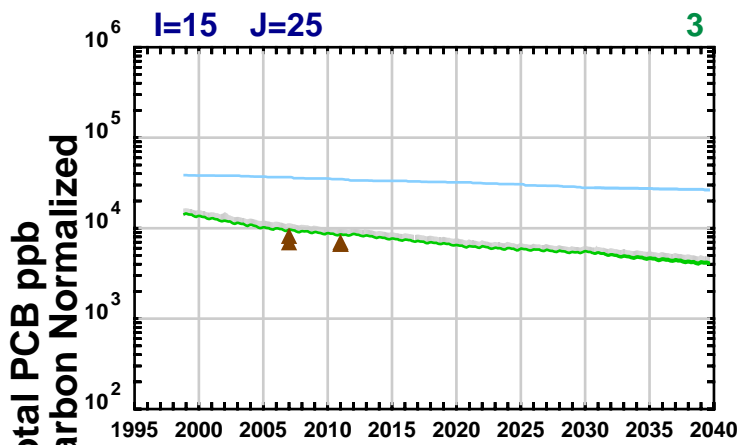
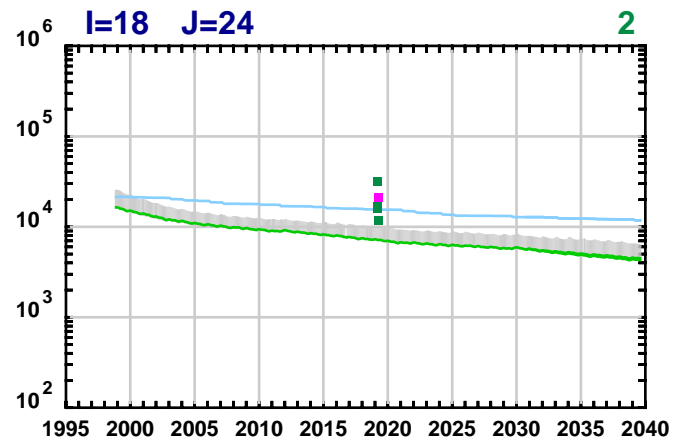
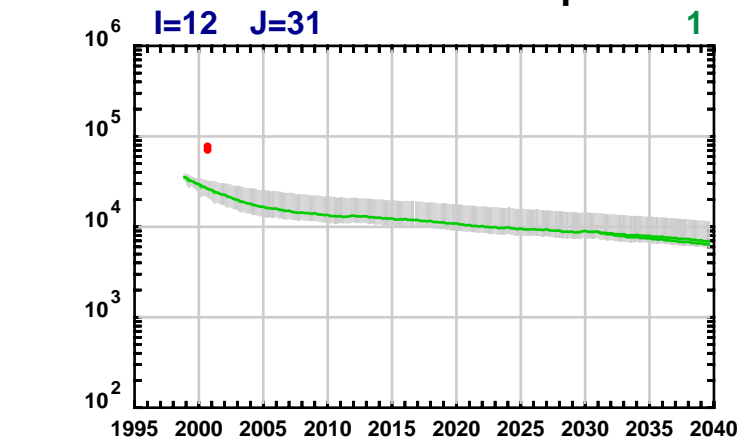
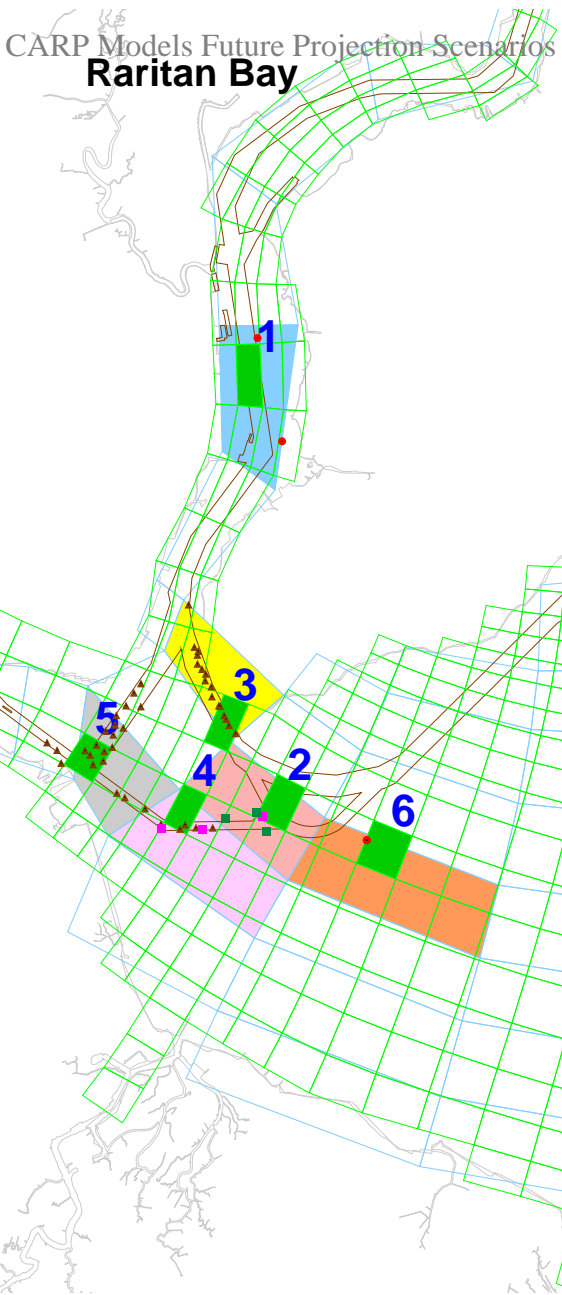


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

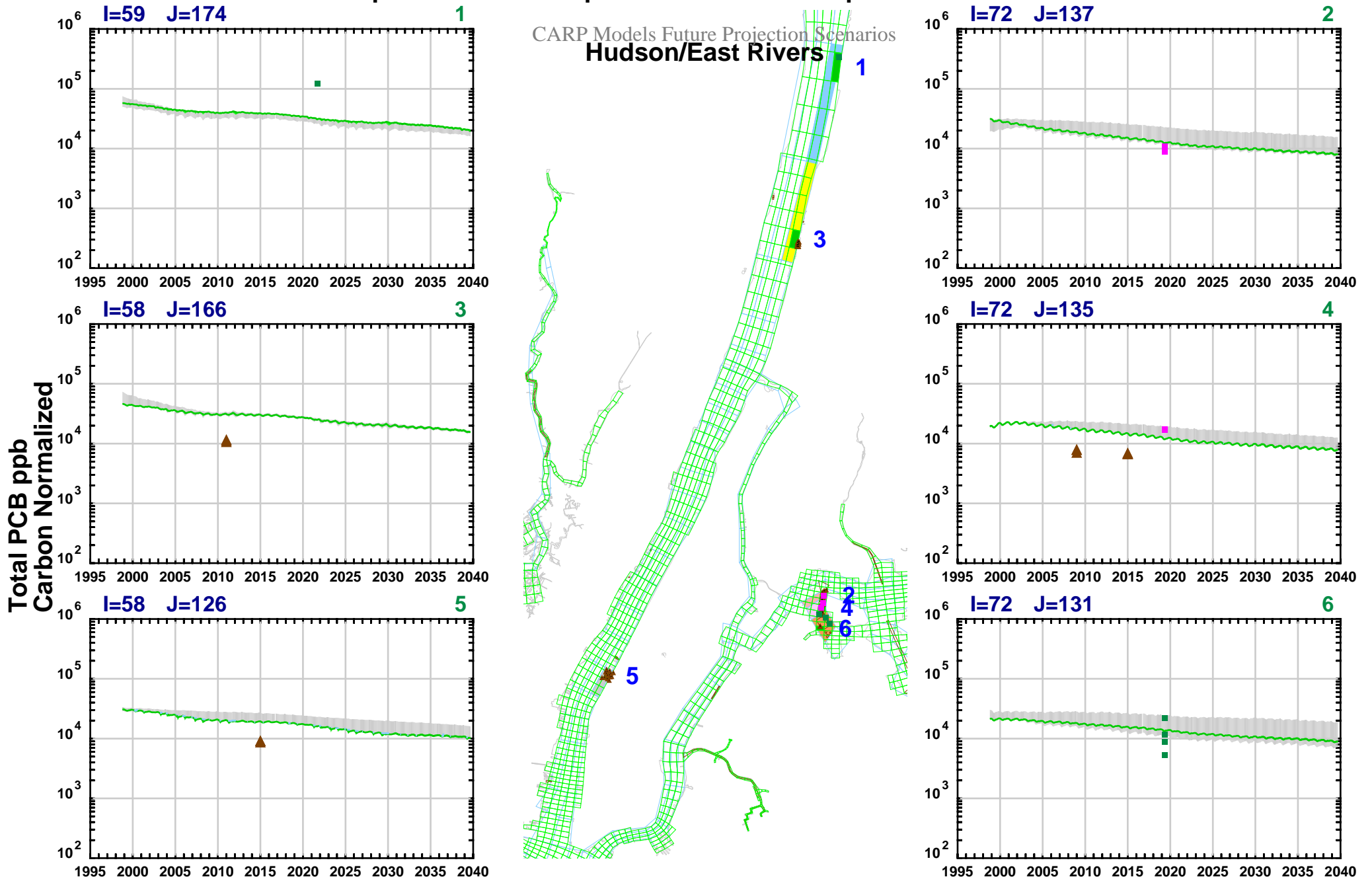


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

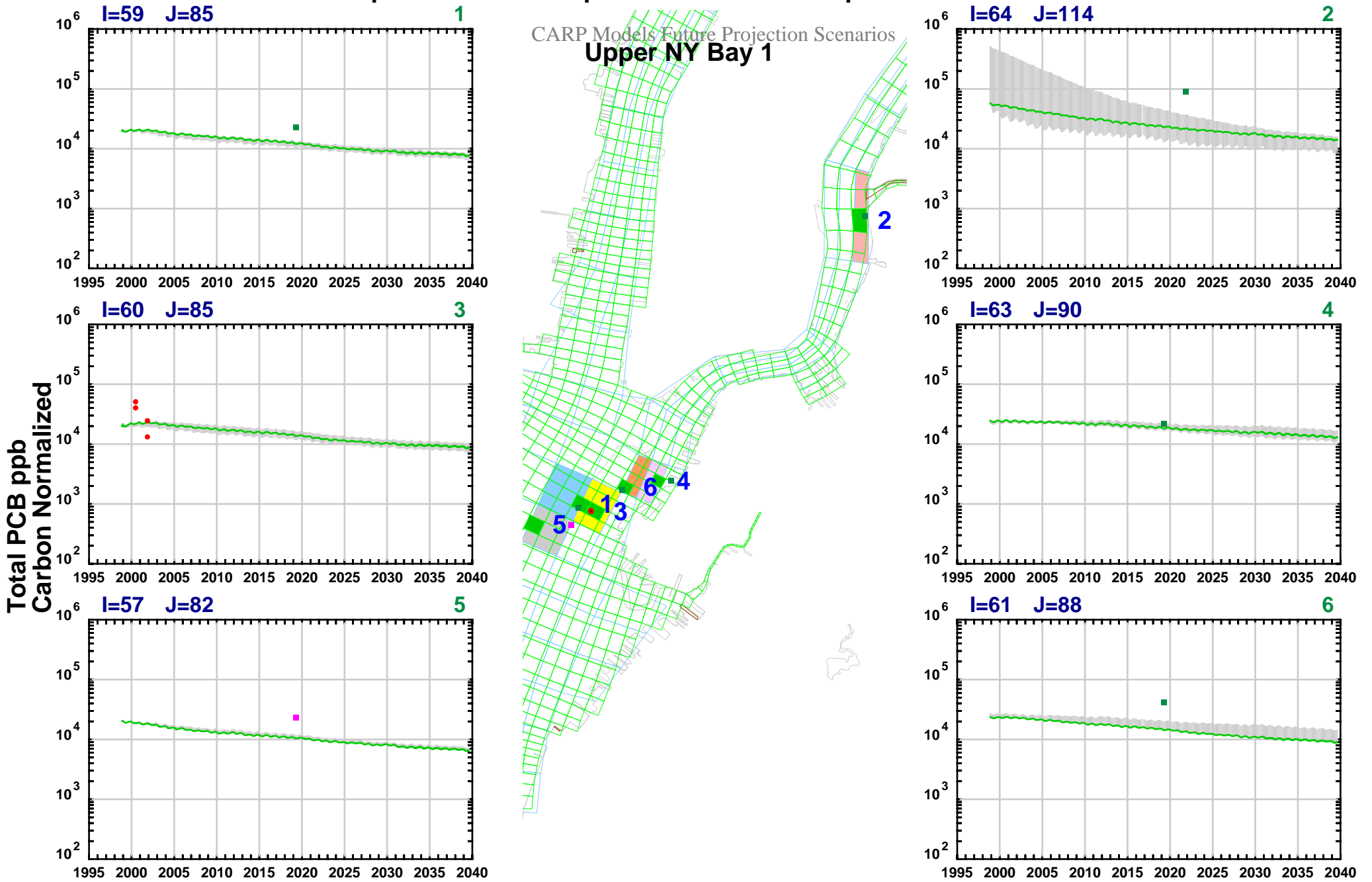


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

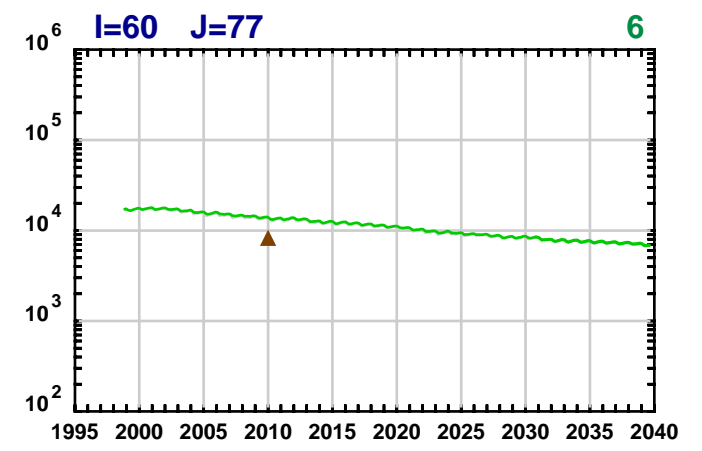
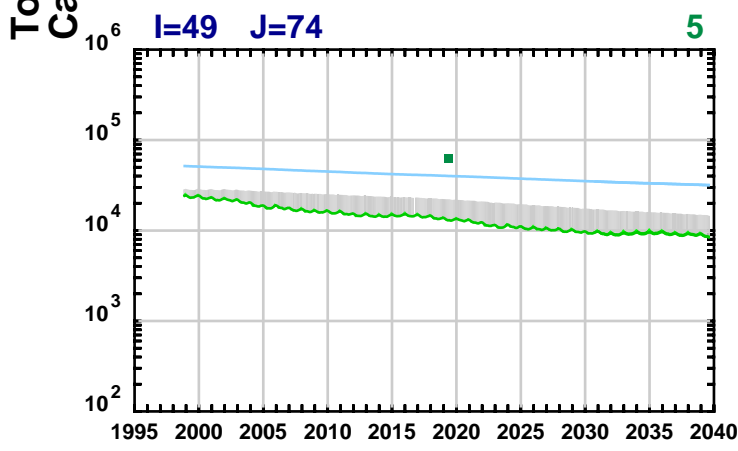
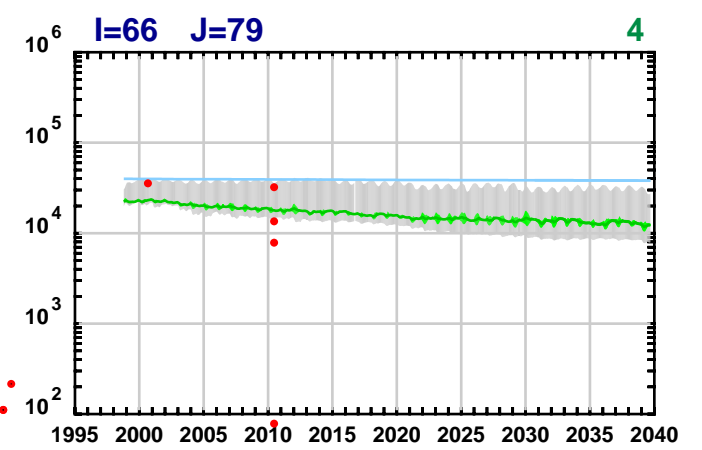
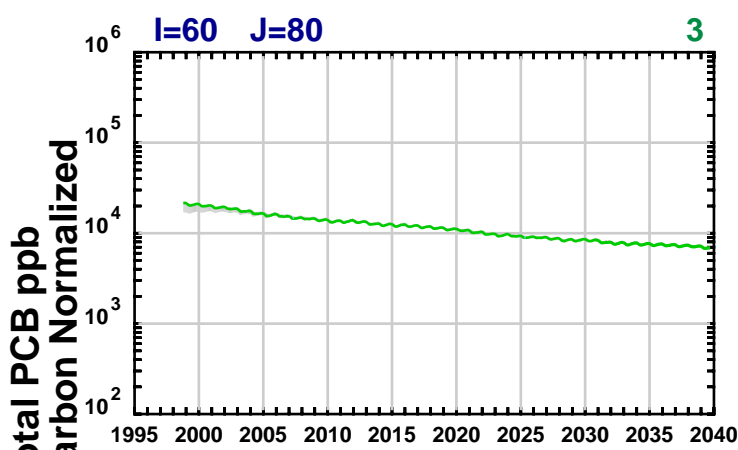
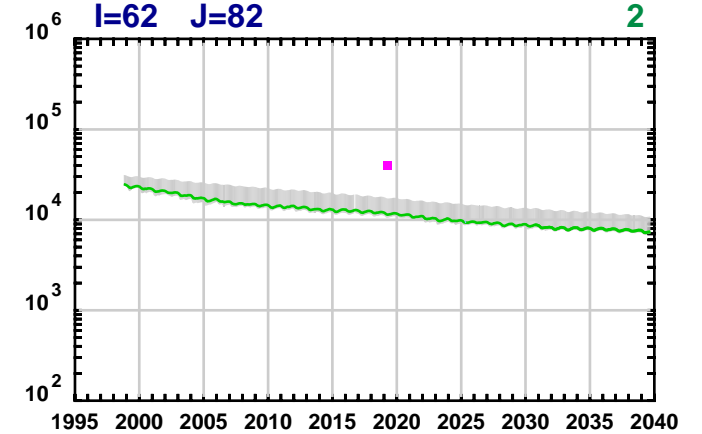
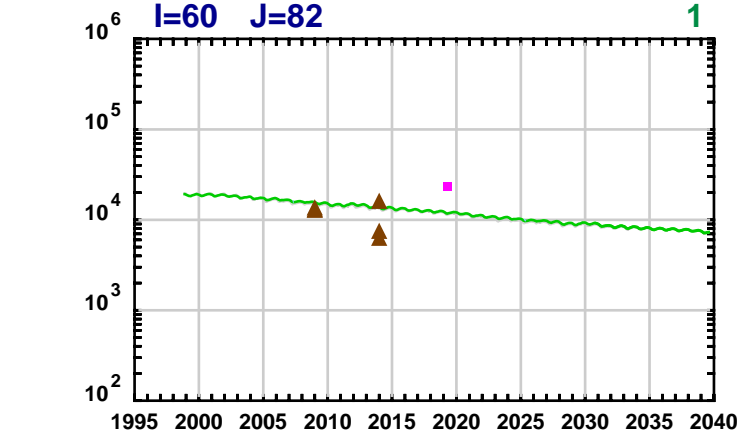
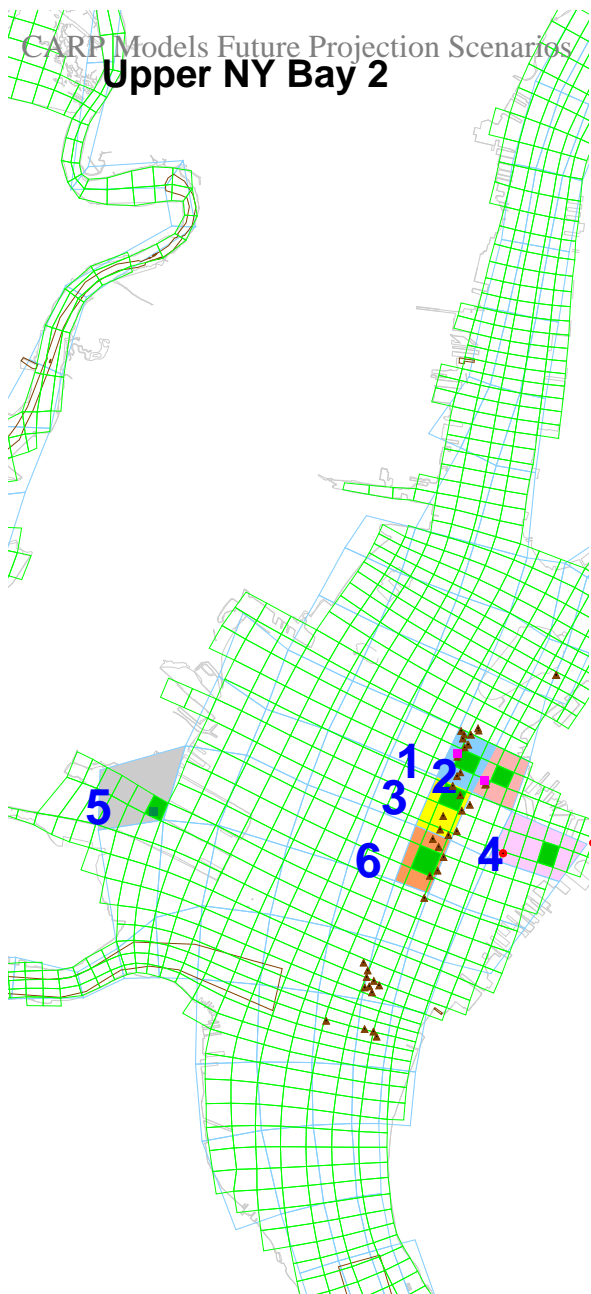


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

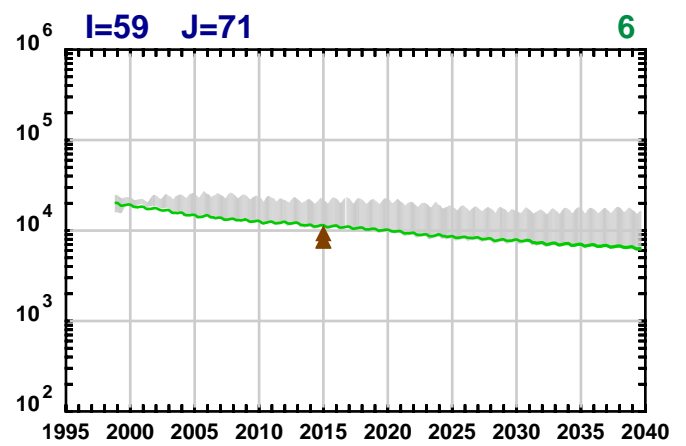
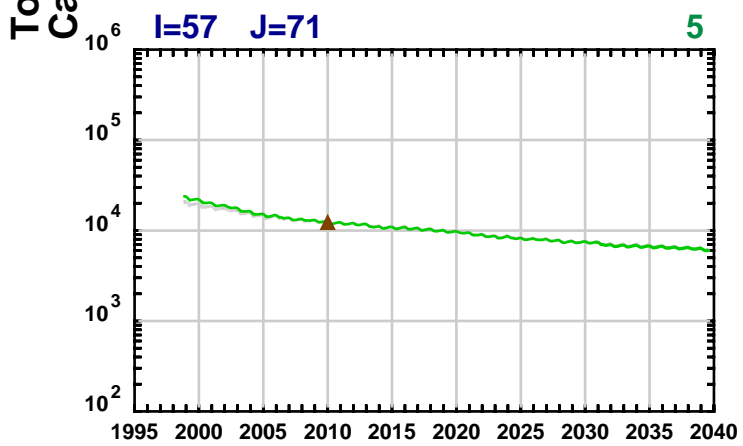
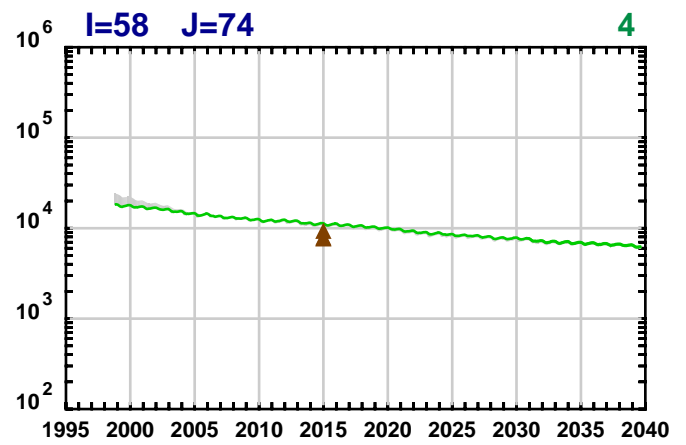
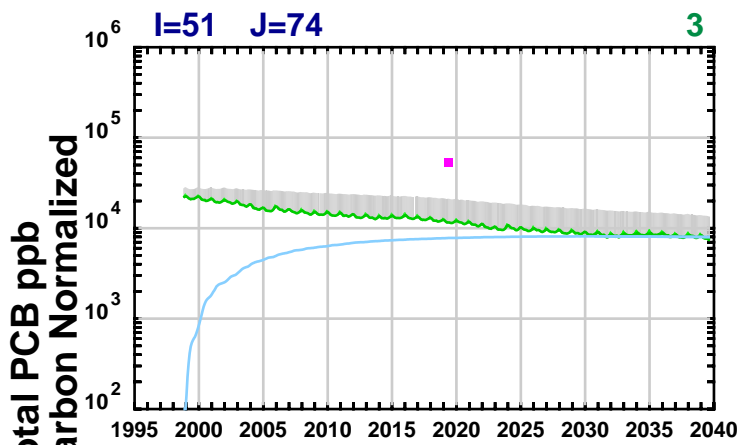
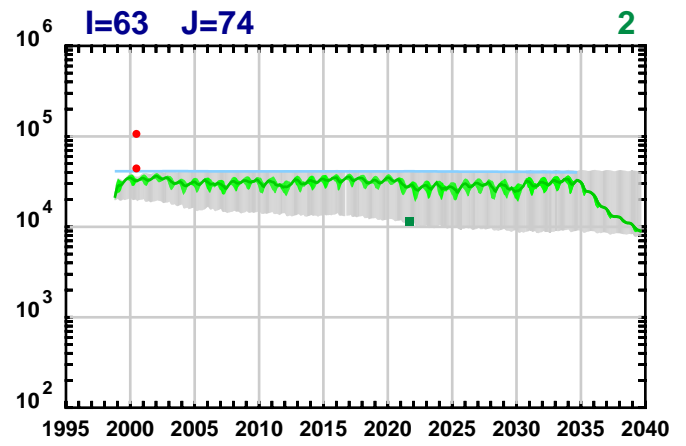
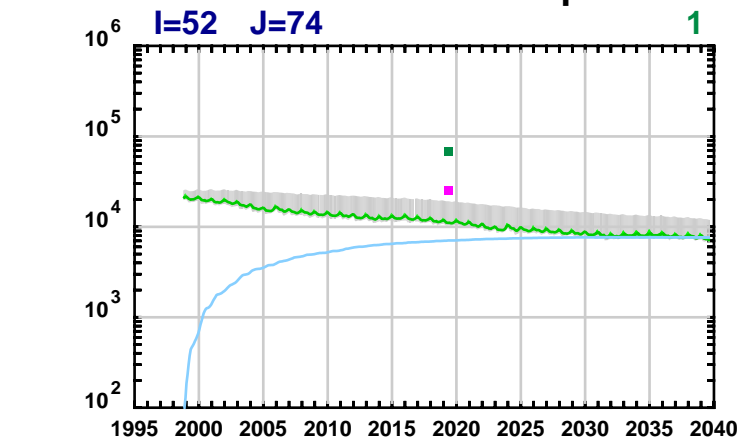
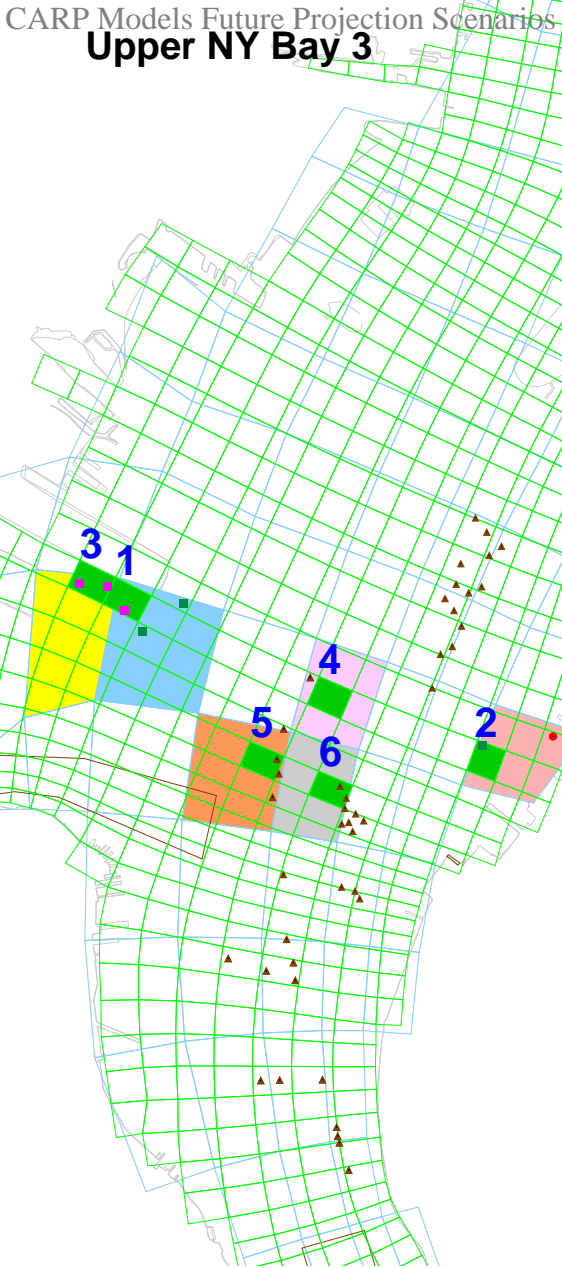


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

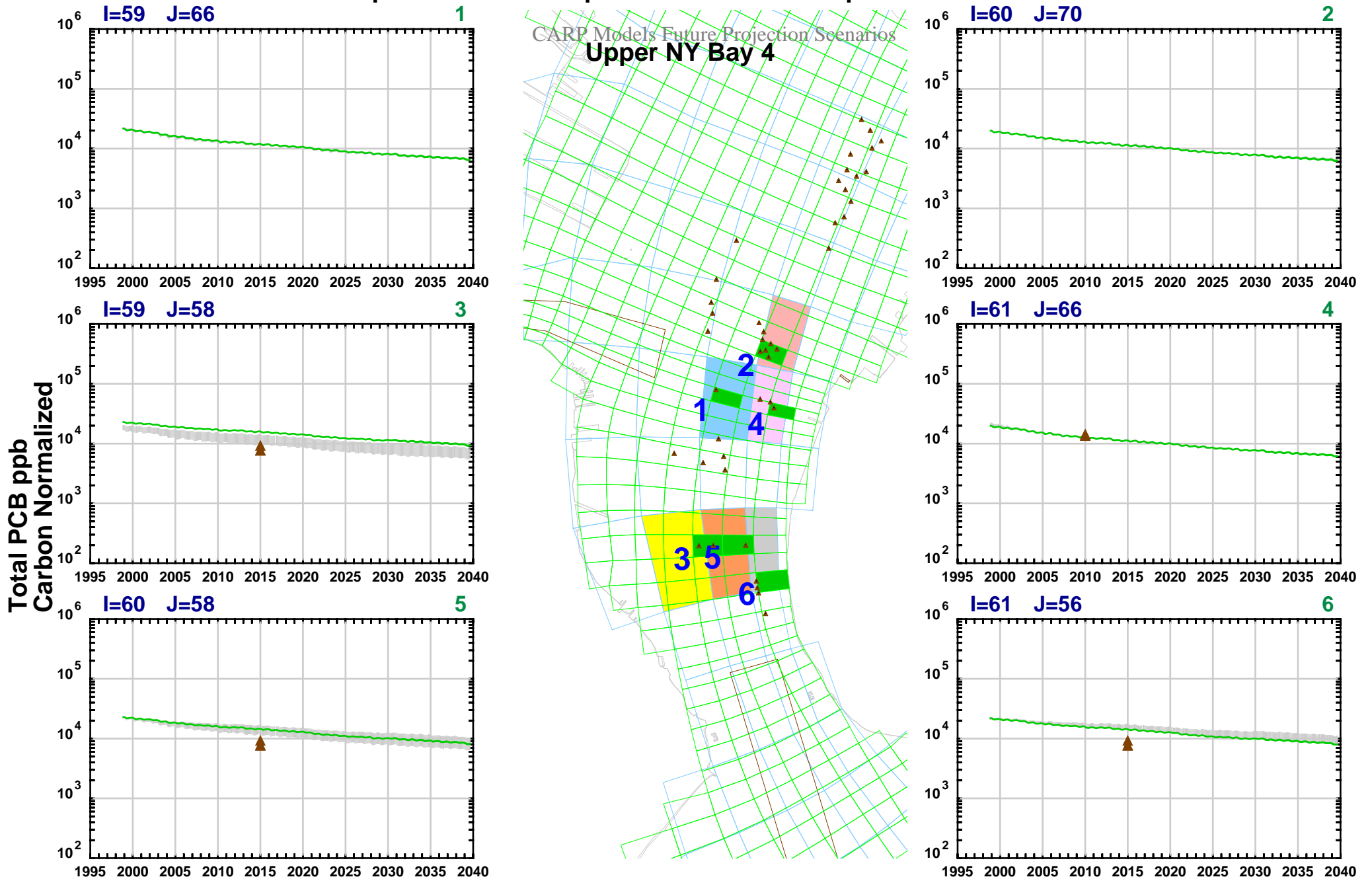


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

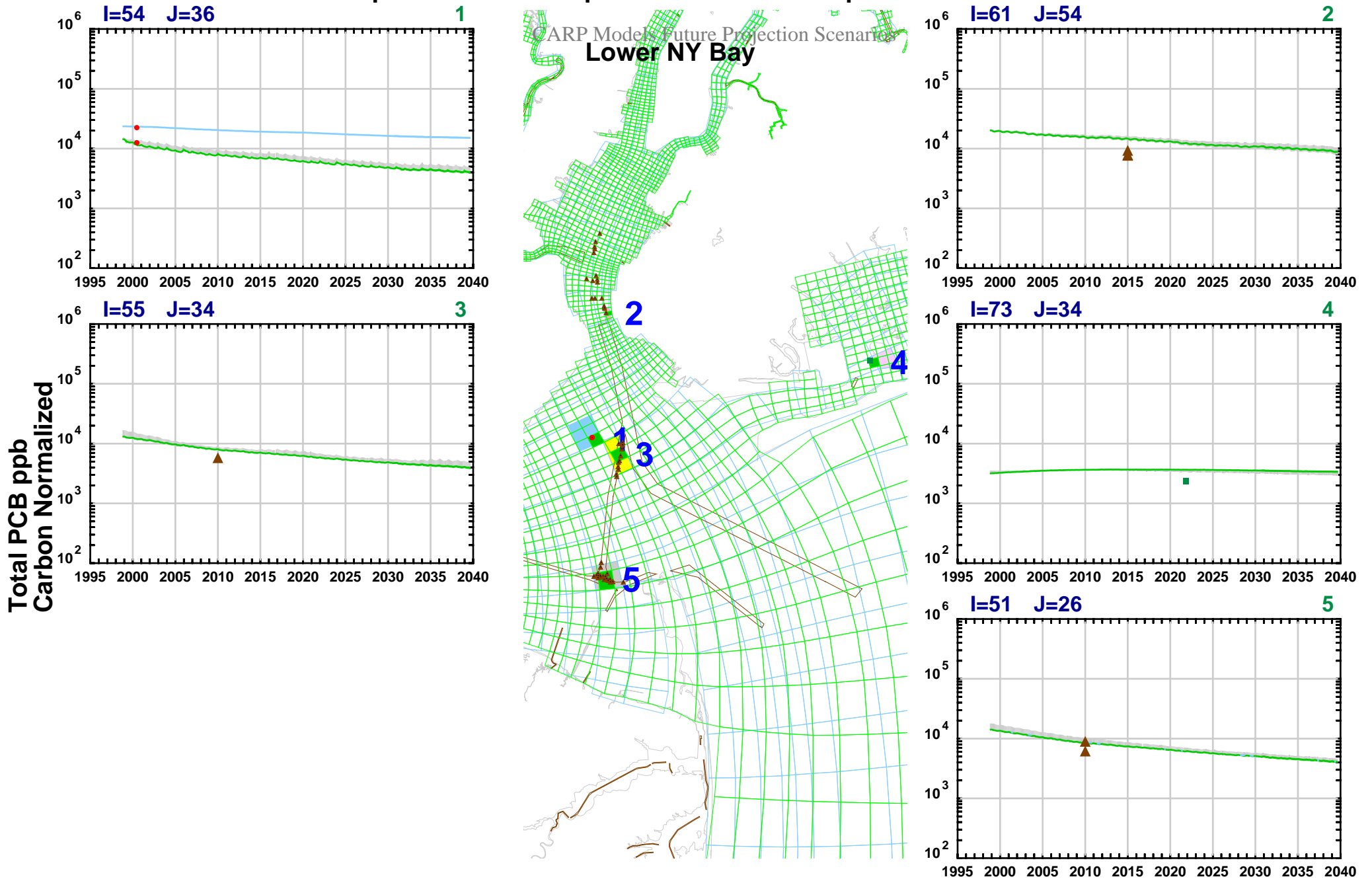


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



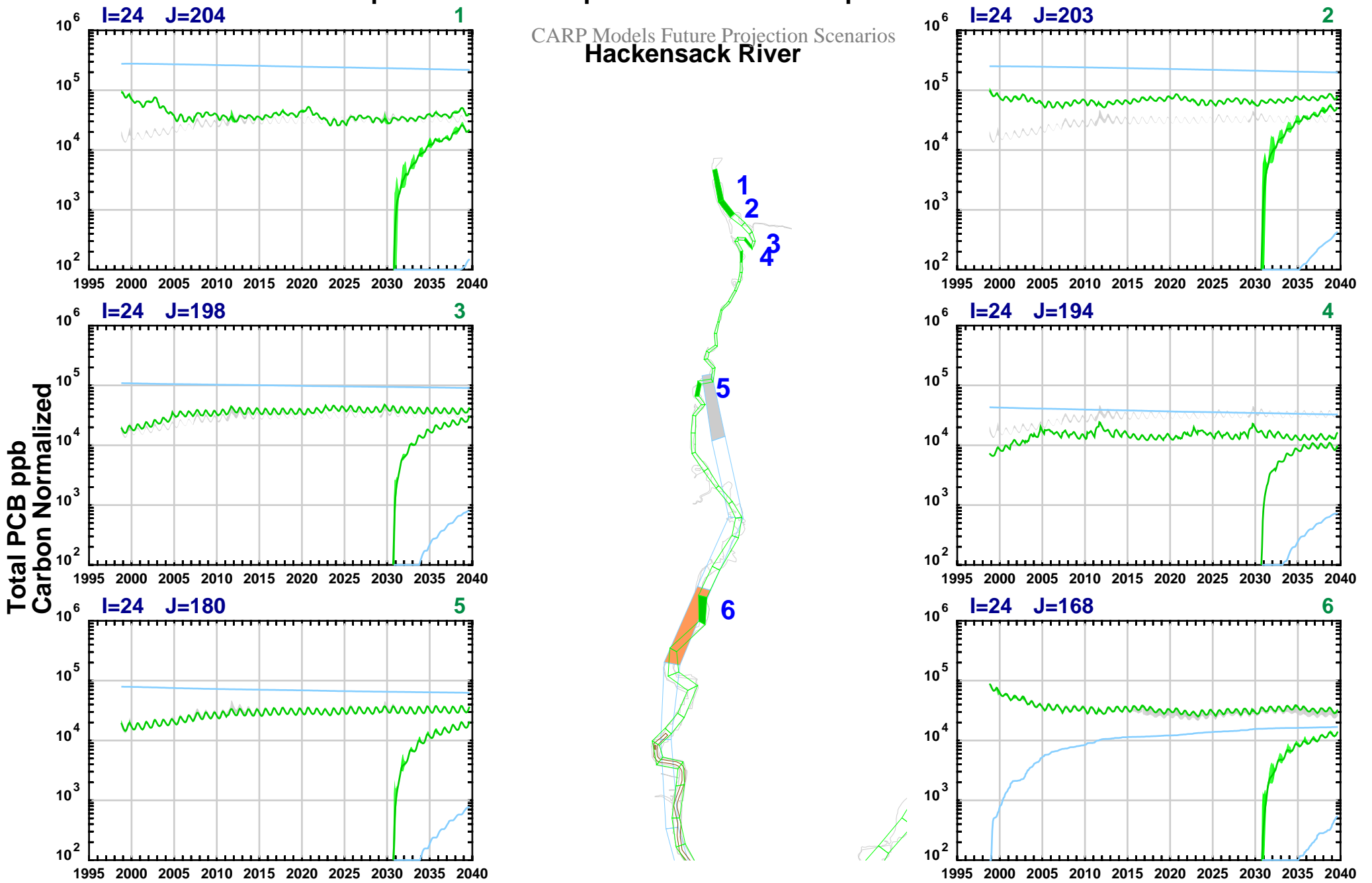
RUN18_PROJ01_PROJ02_R1

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

● In-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



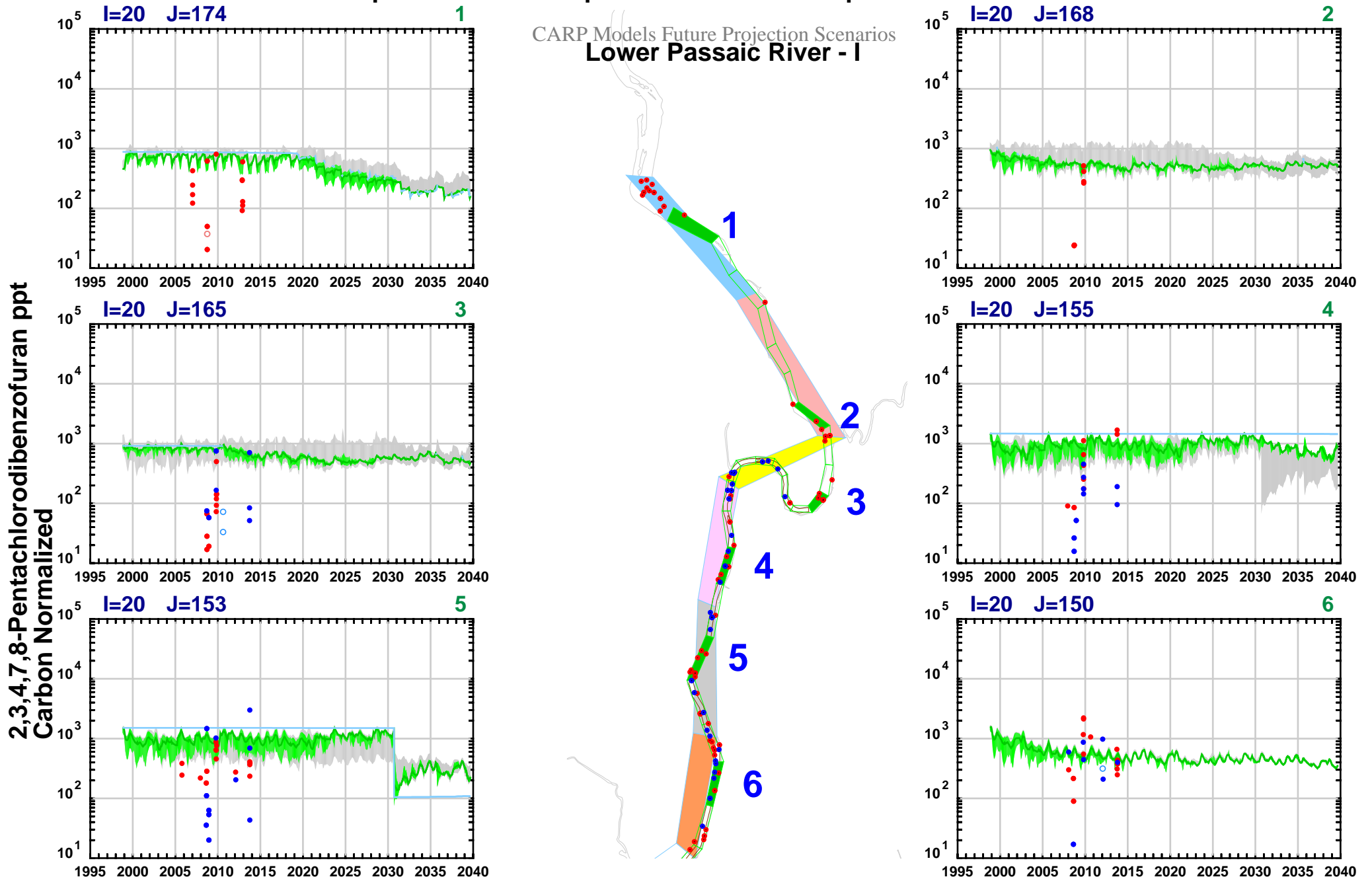
RUN18_PROJ01_PROJ02_R1

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

● In-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

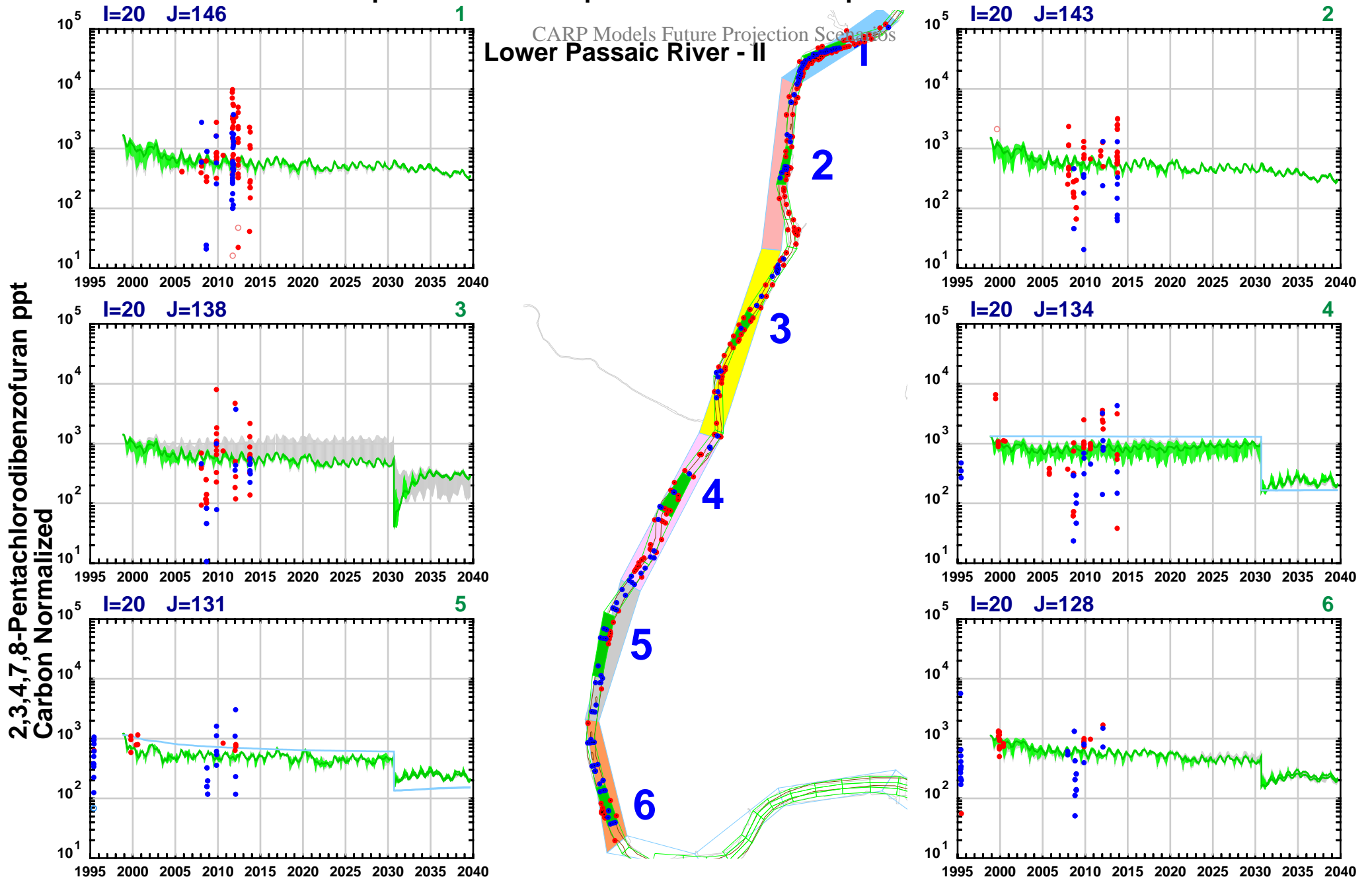


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

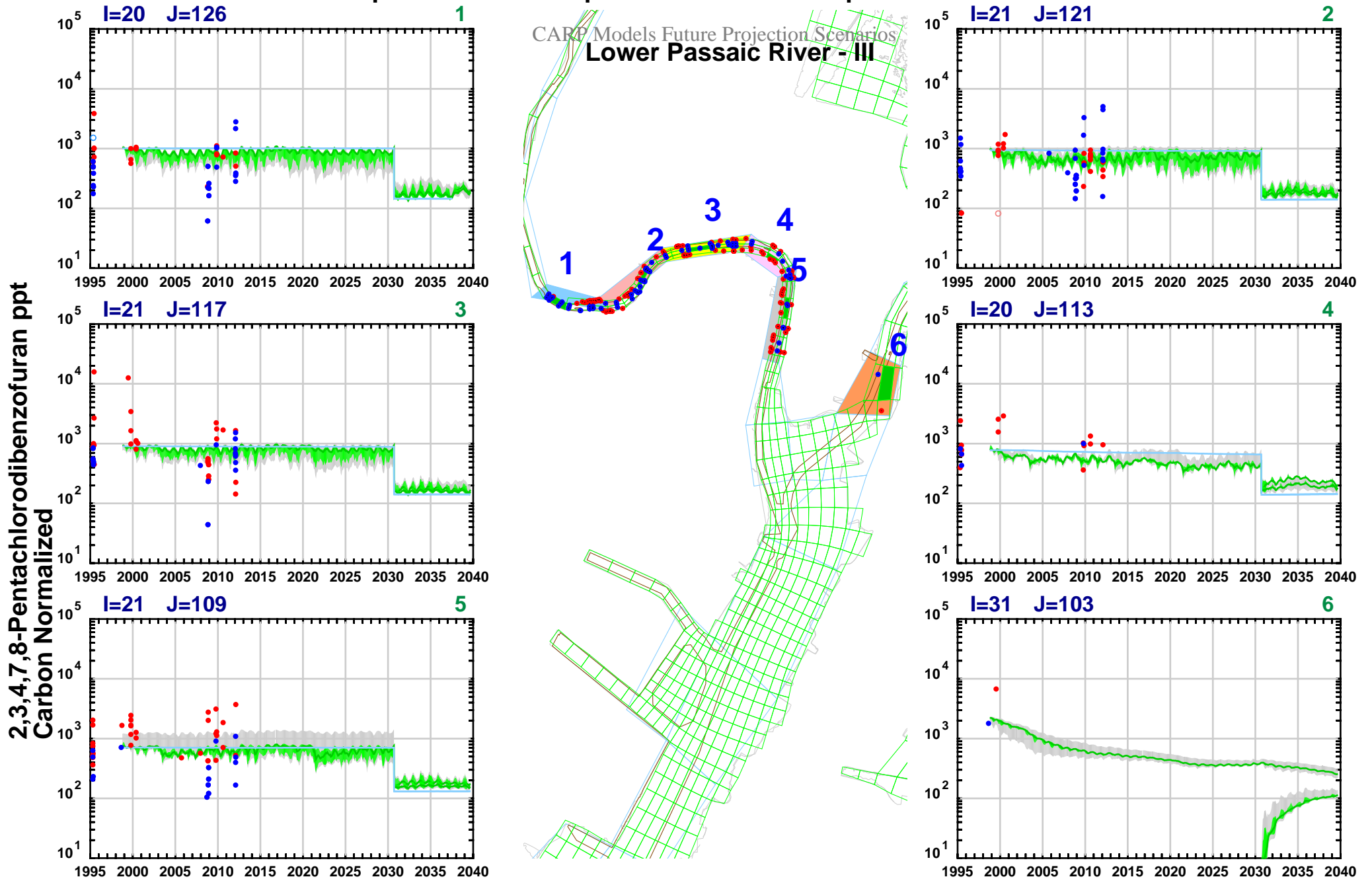


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

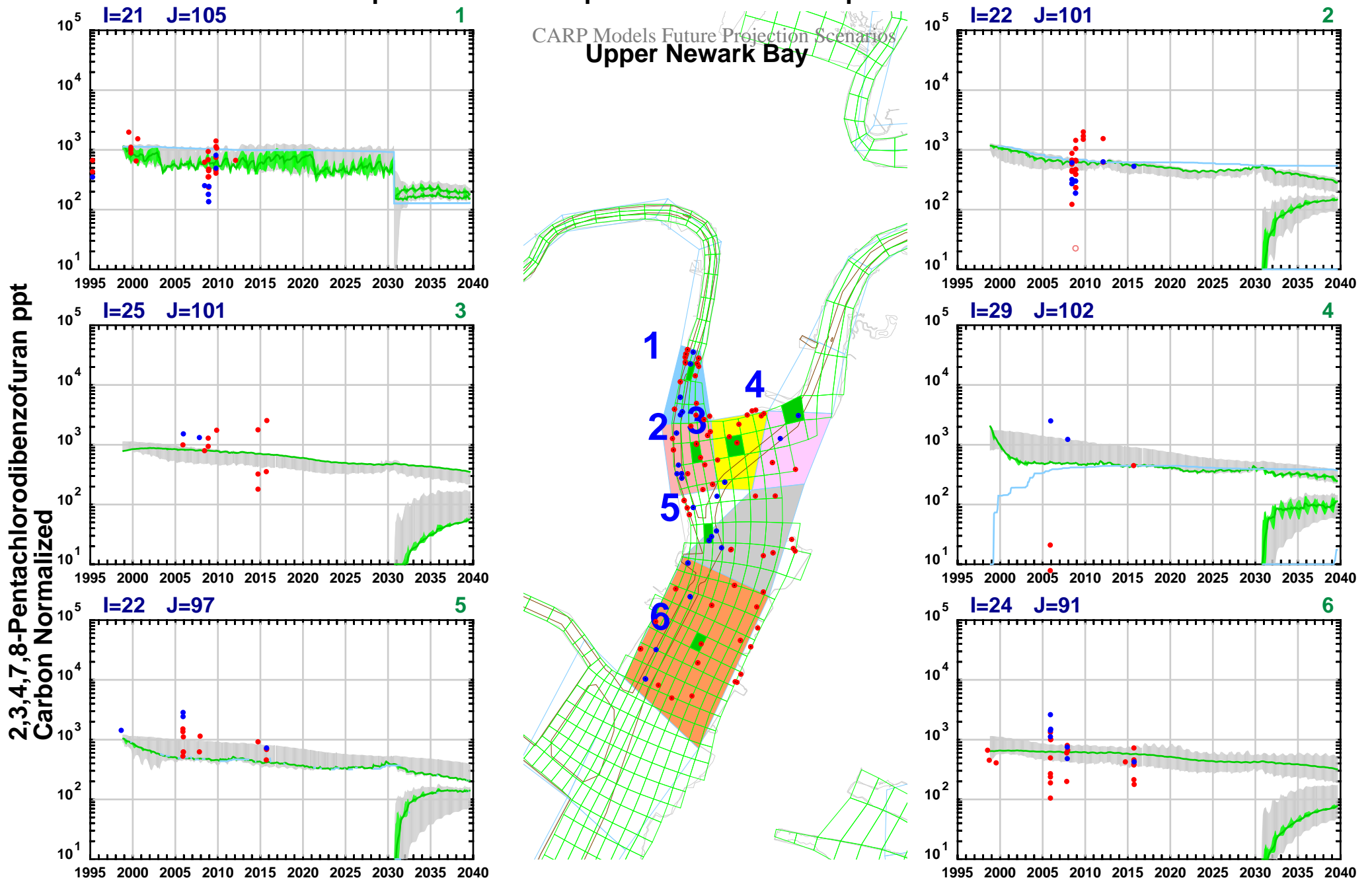


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

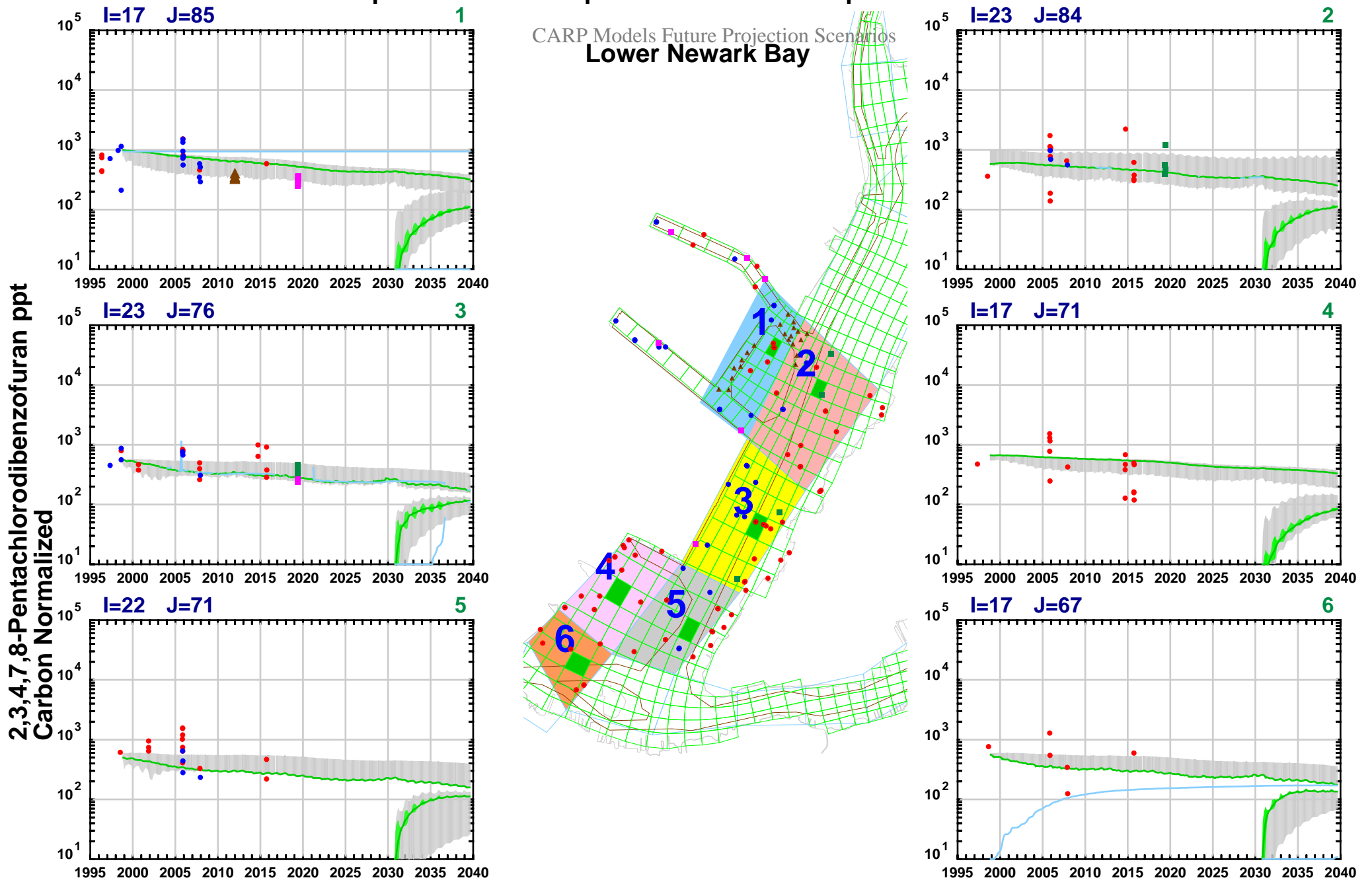


RUN18_PROJ01_PROJ02_R1

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

● In-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

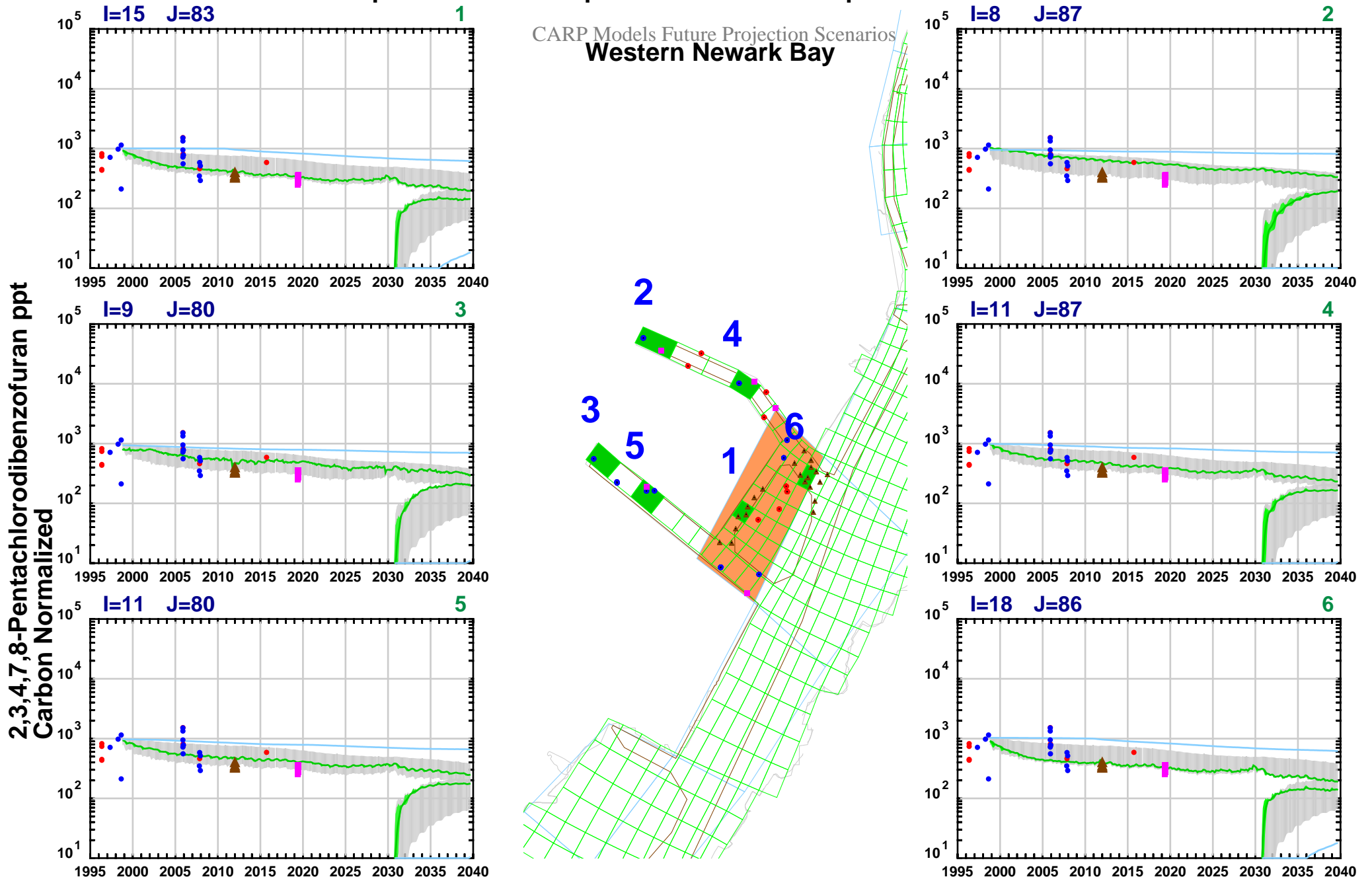
RUN18_PROJ01_PROJ02_R1

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

● In-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



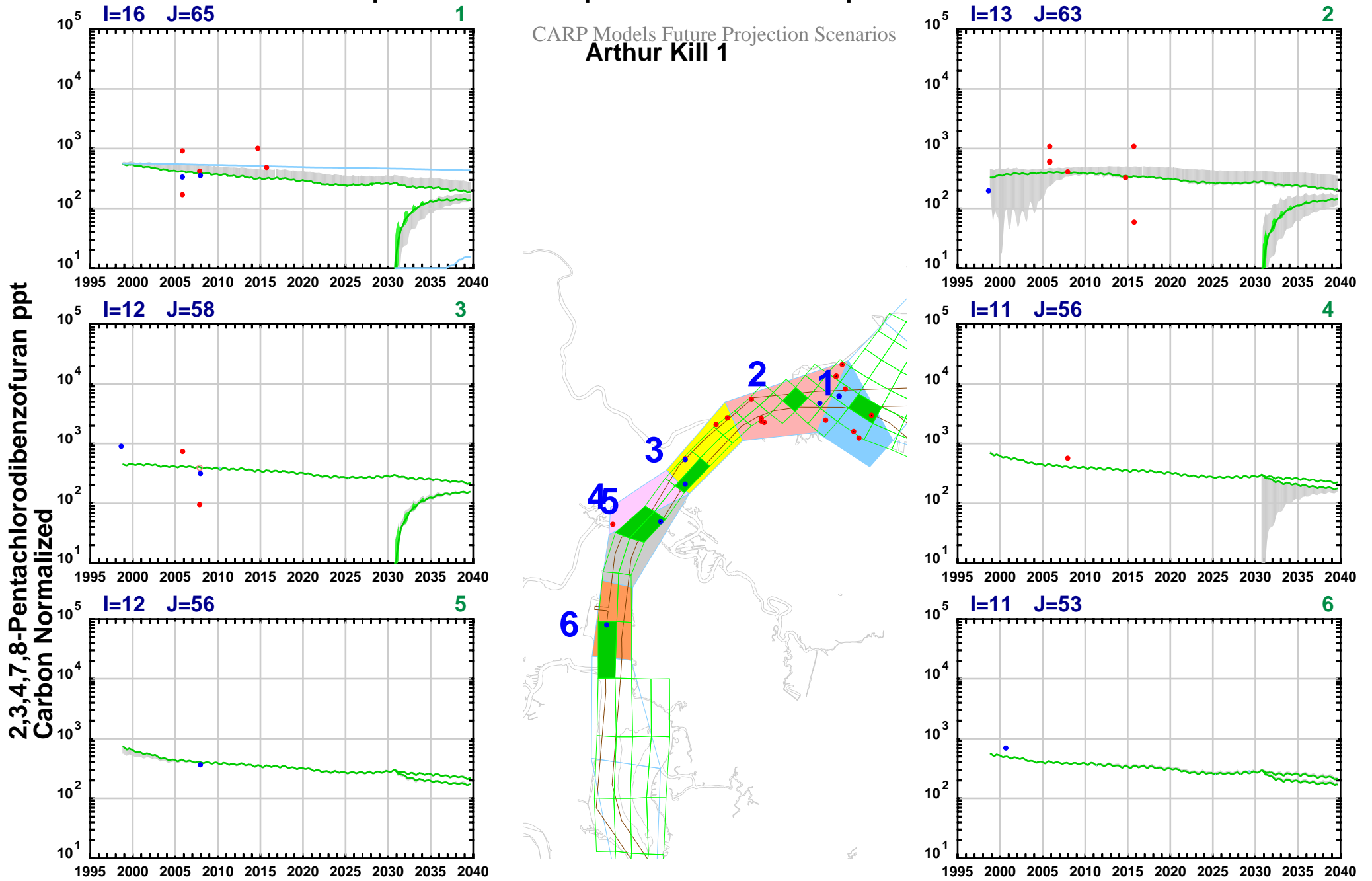
RUN18_PROJ01_PROJ02_R1

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

● In-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

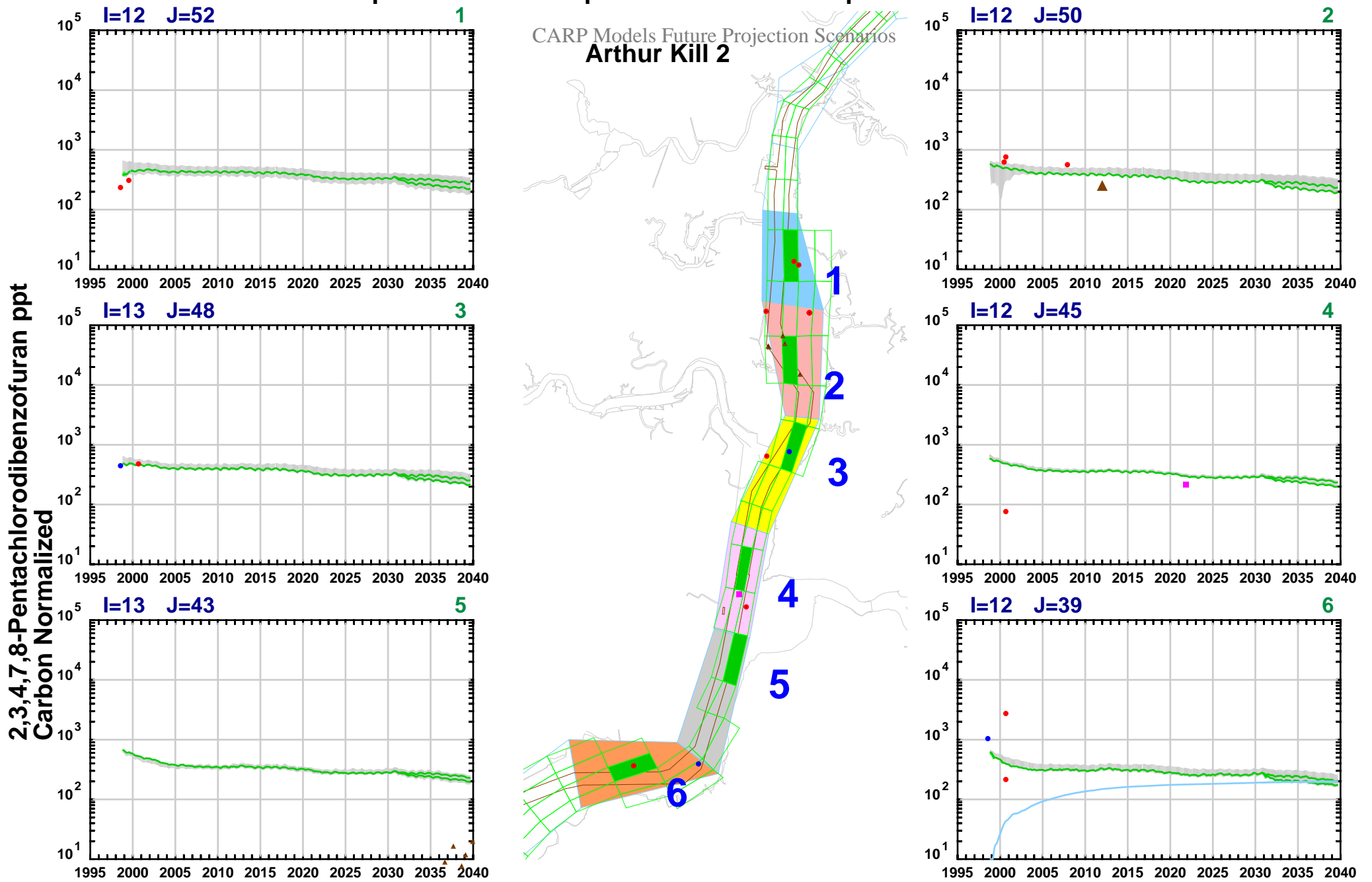


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

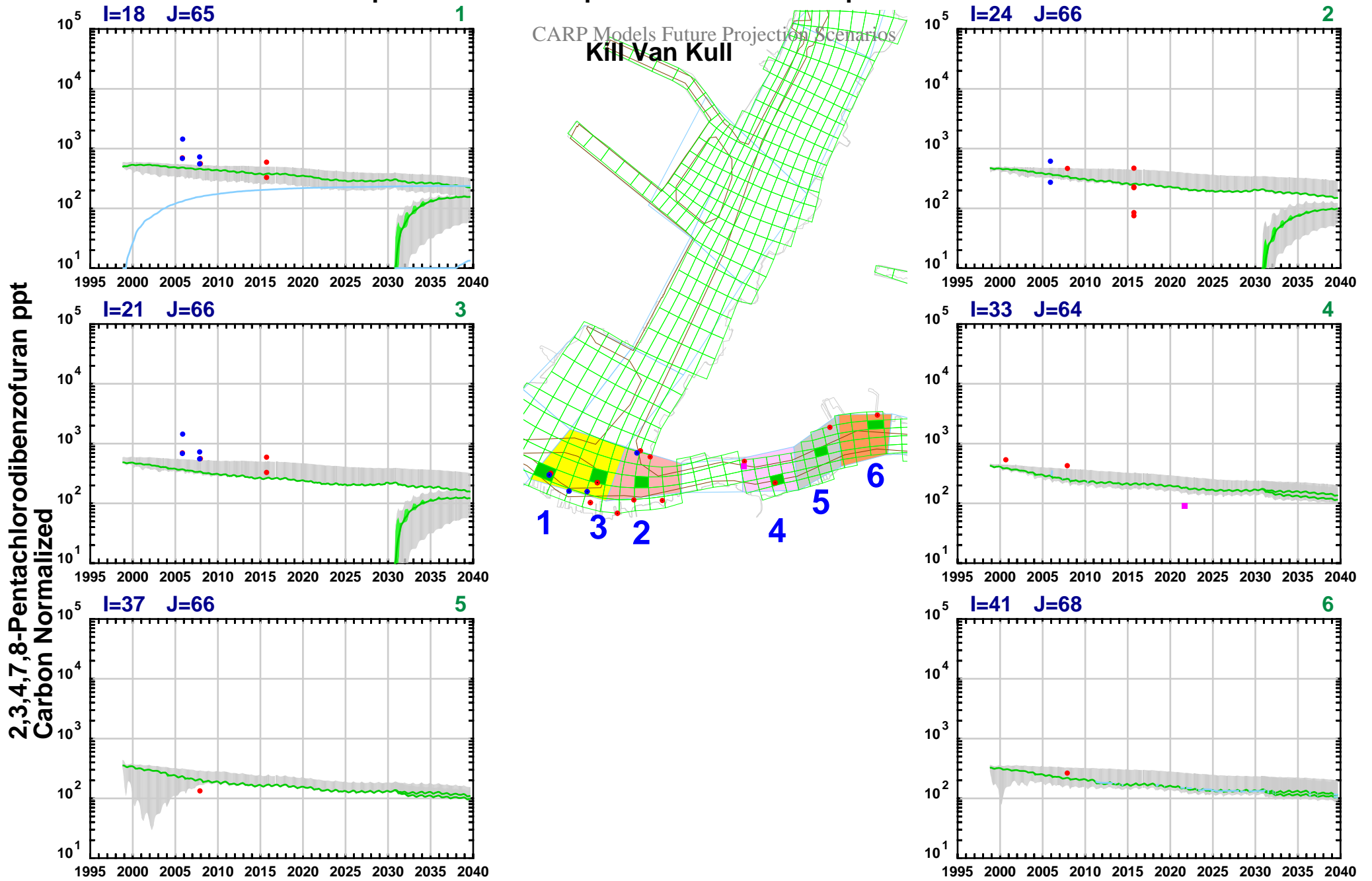


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

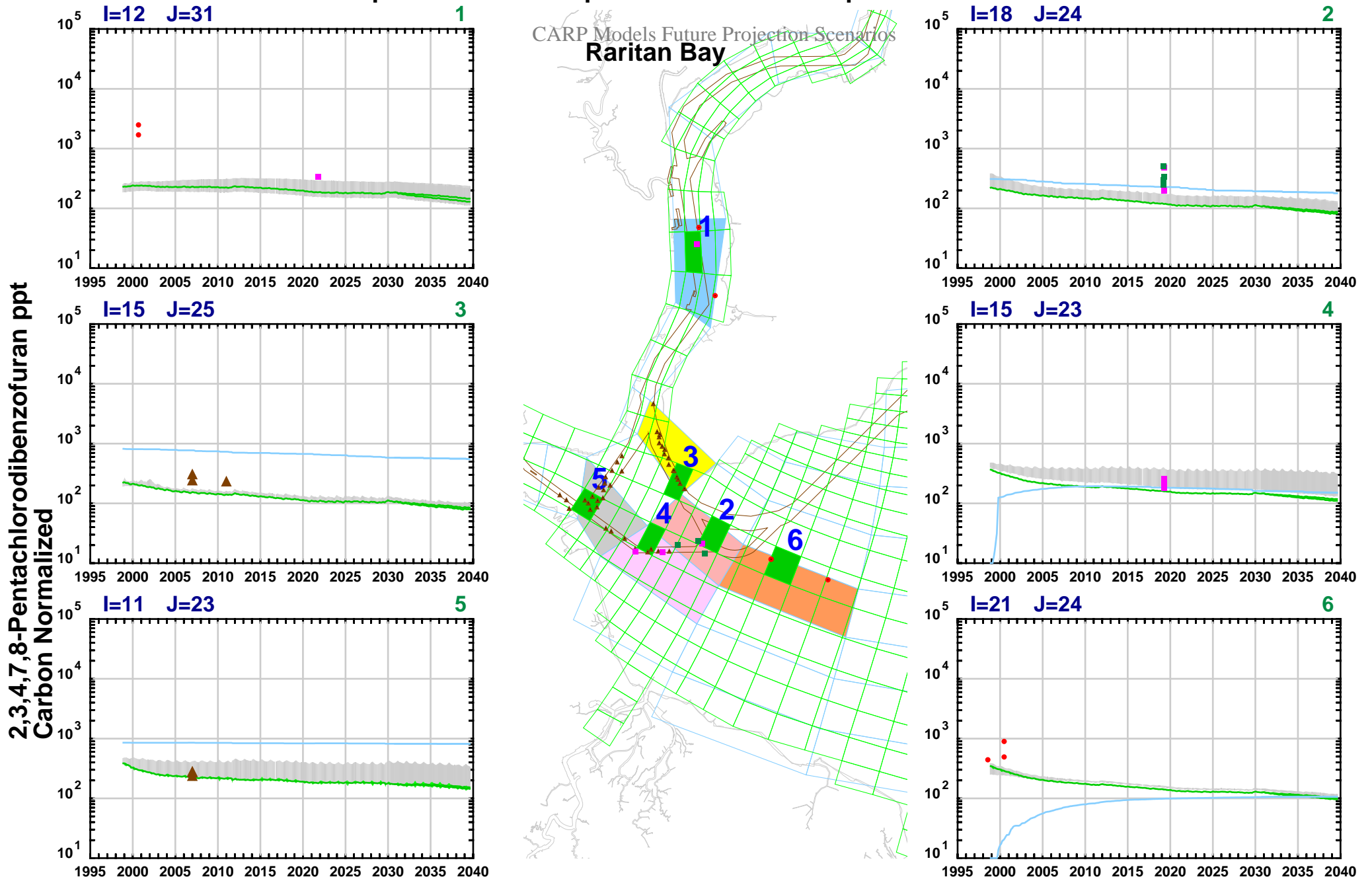


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

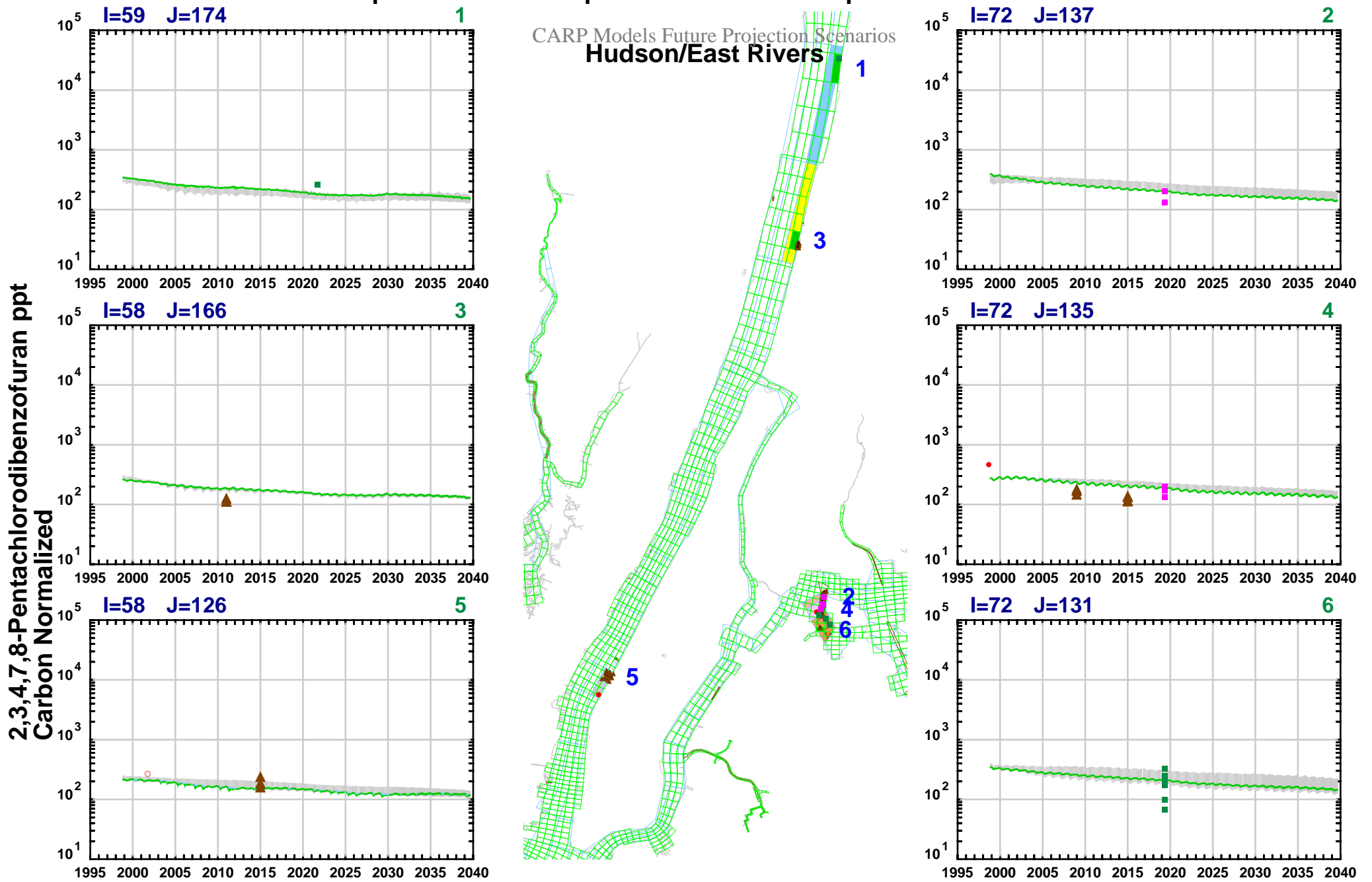


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

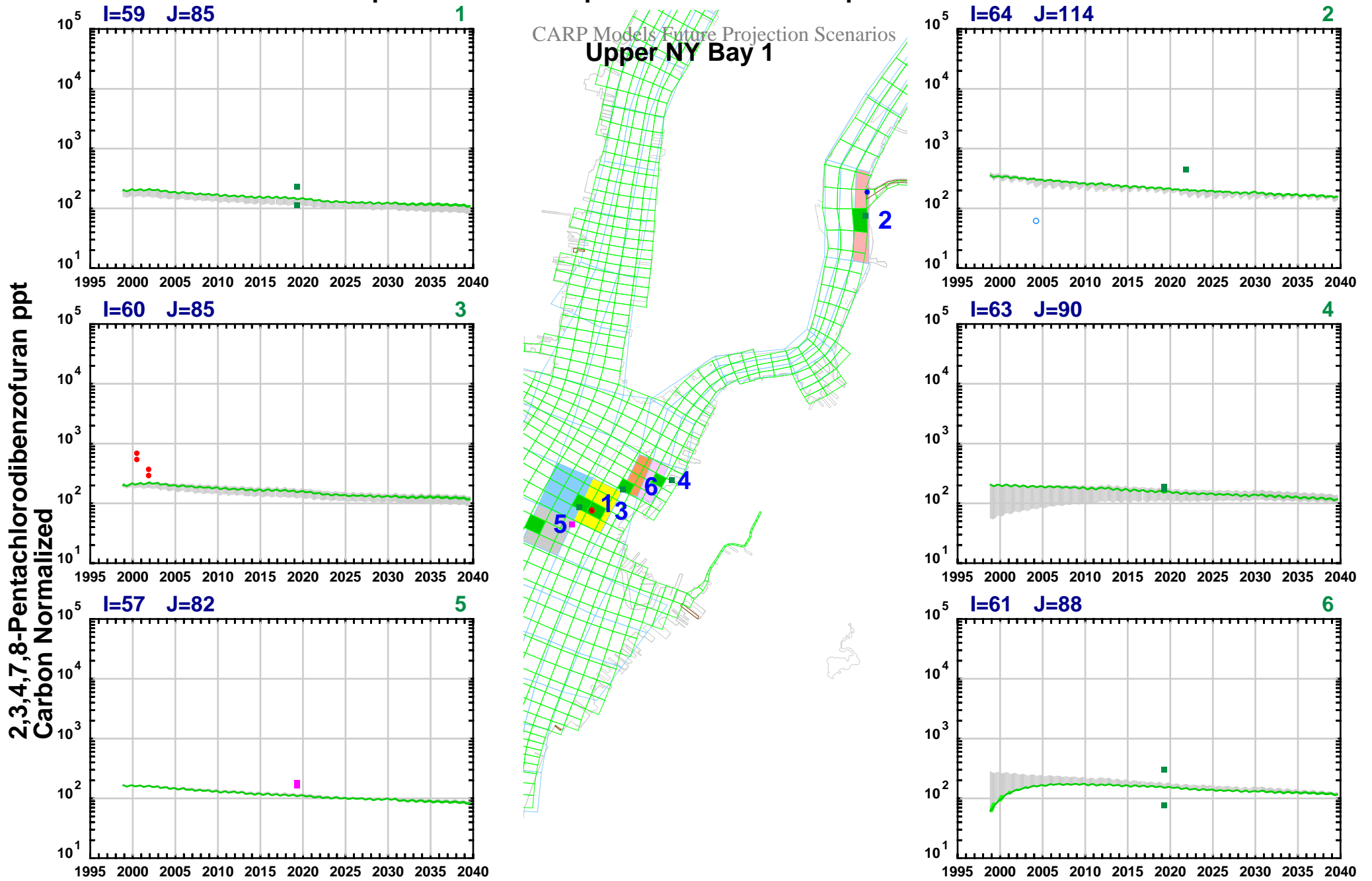


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

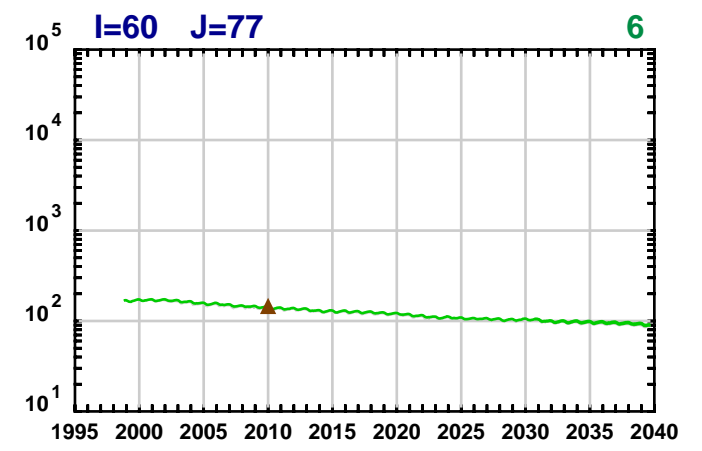
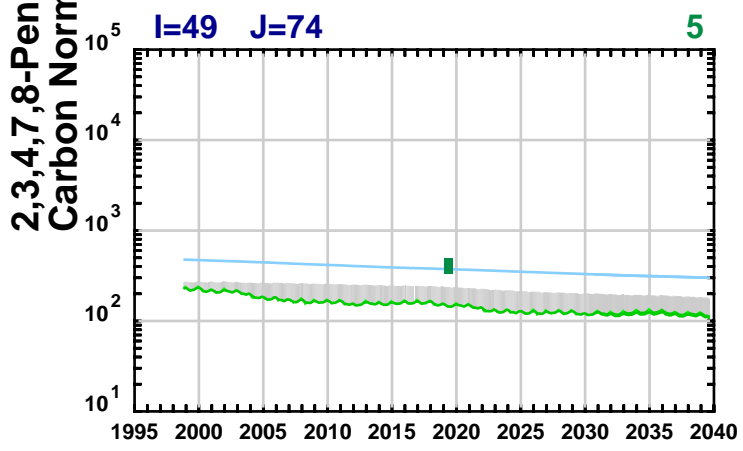
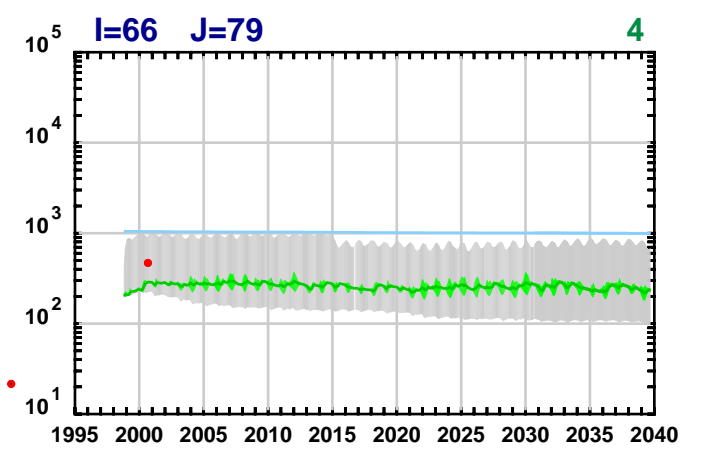
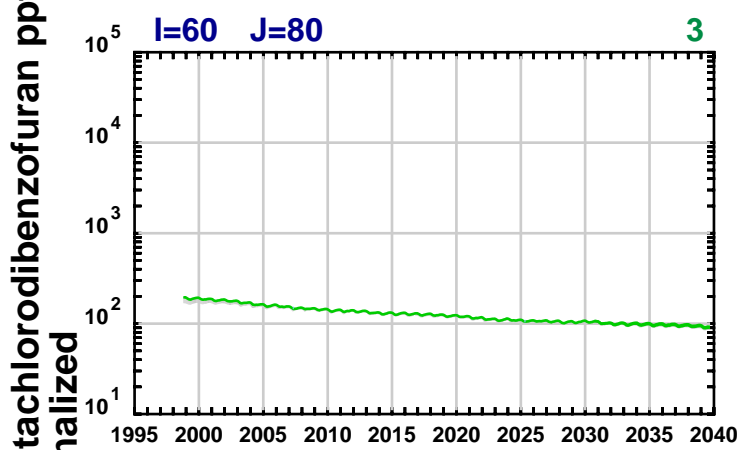
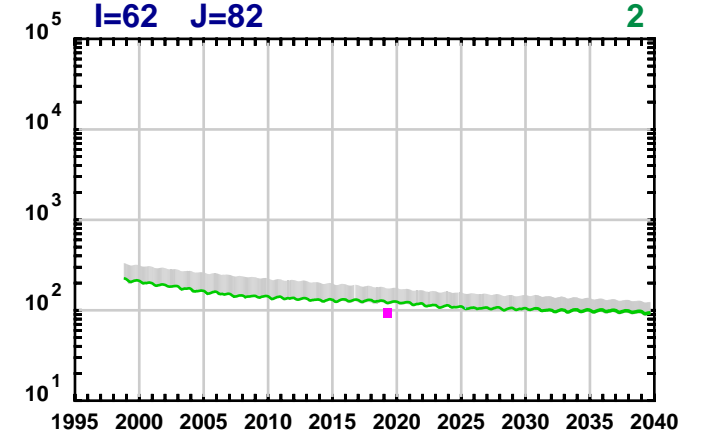
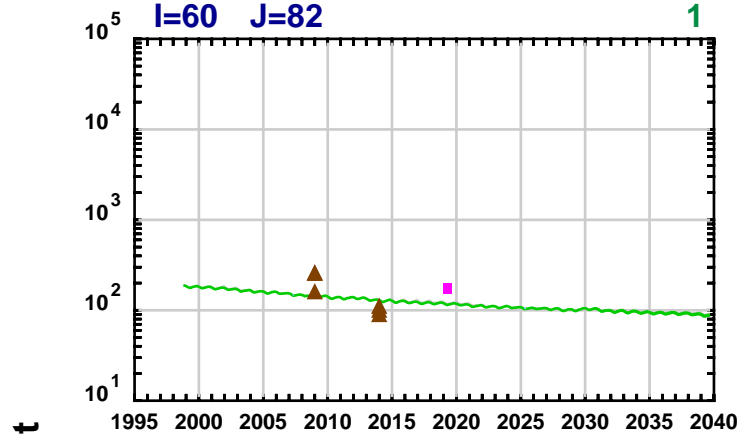
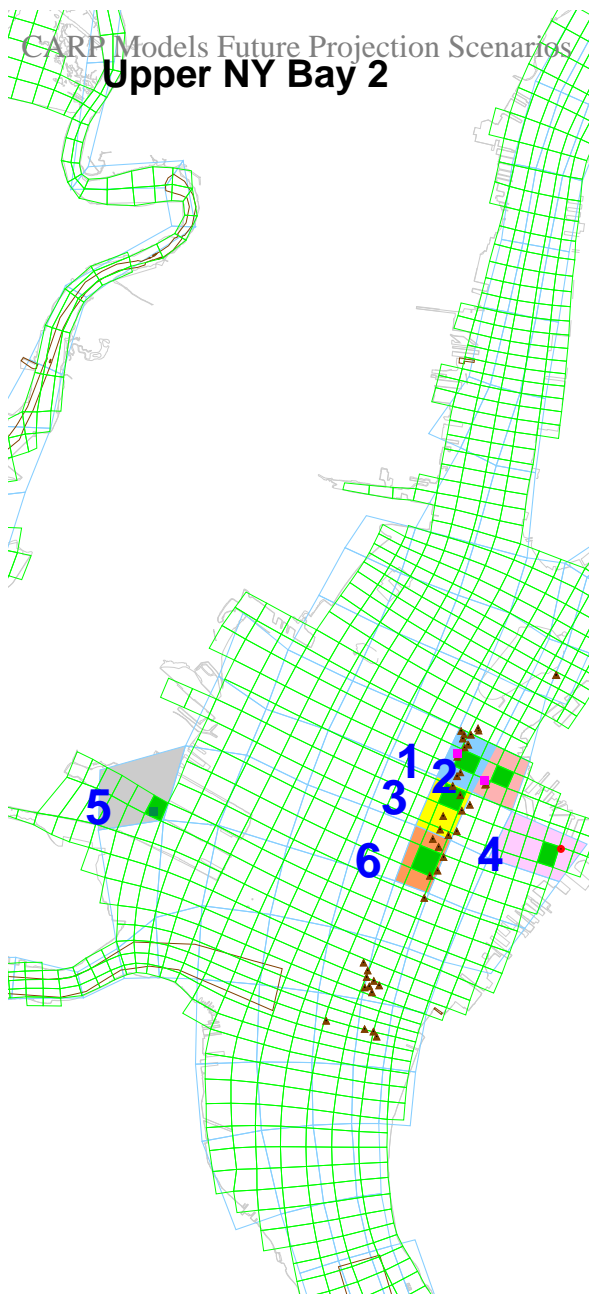


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

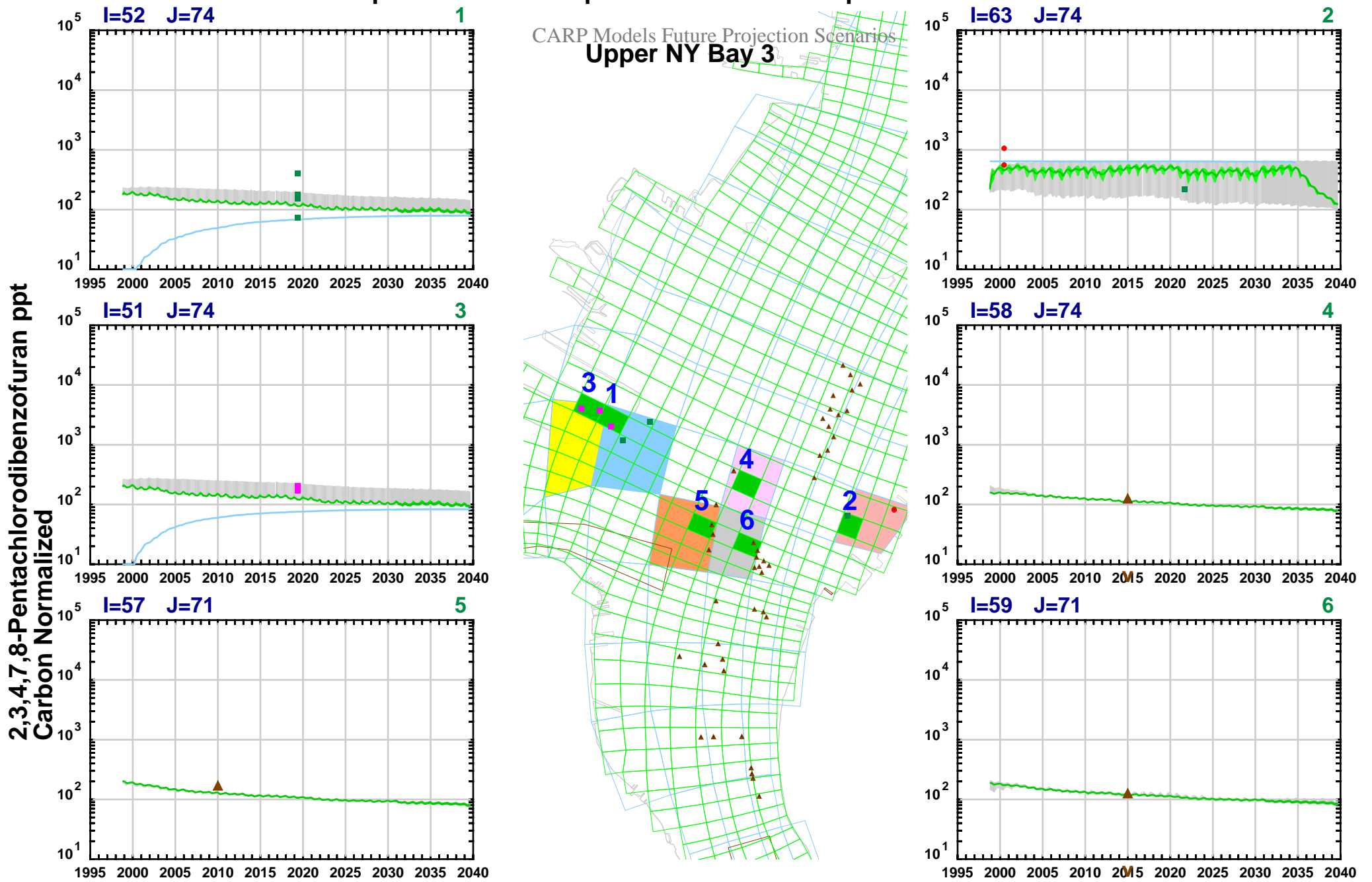


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

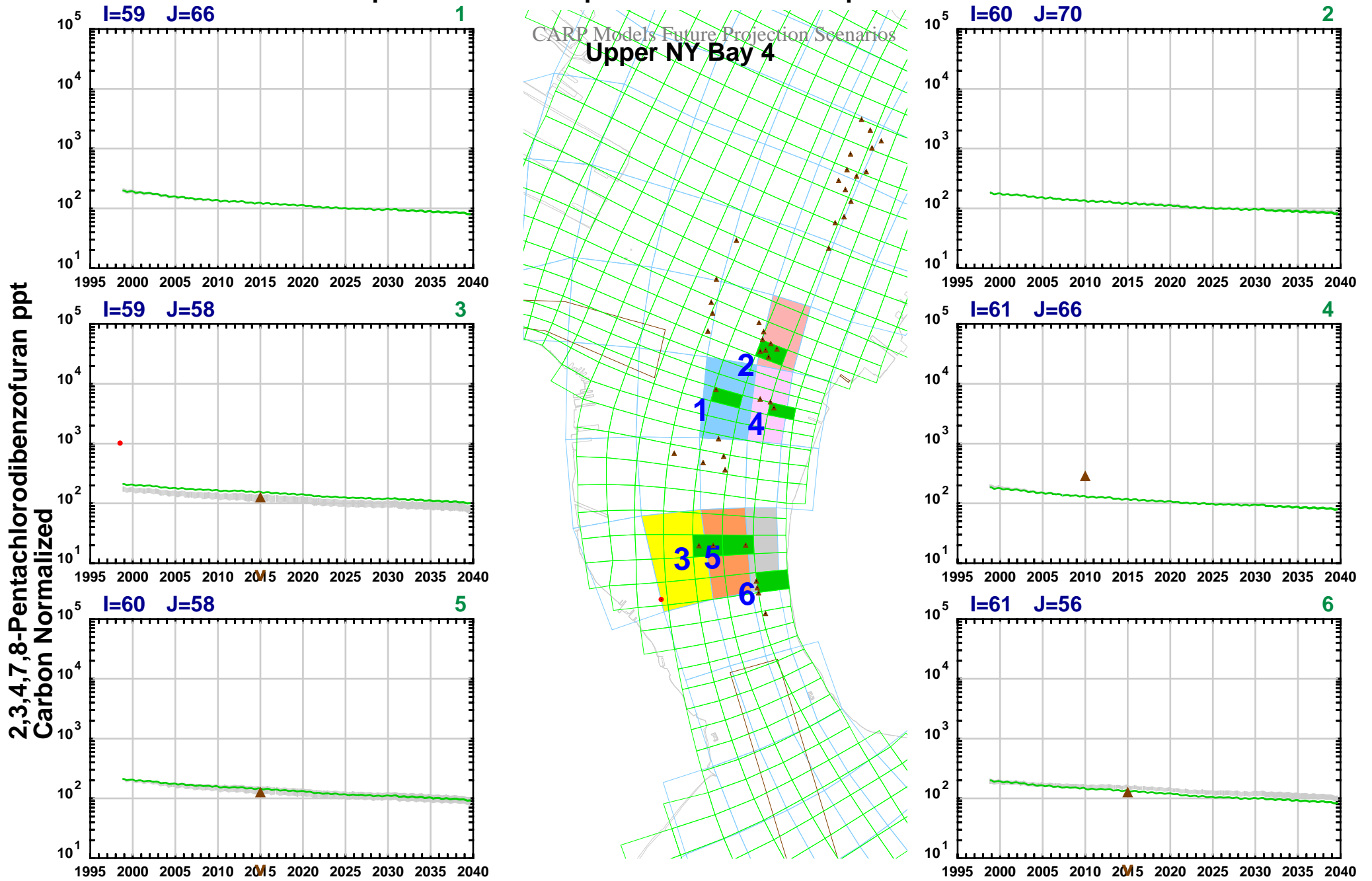


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



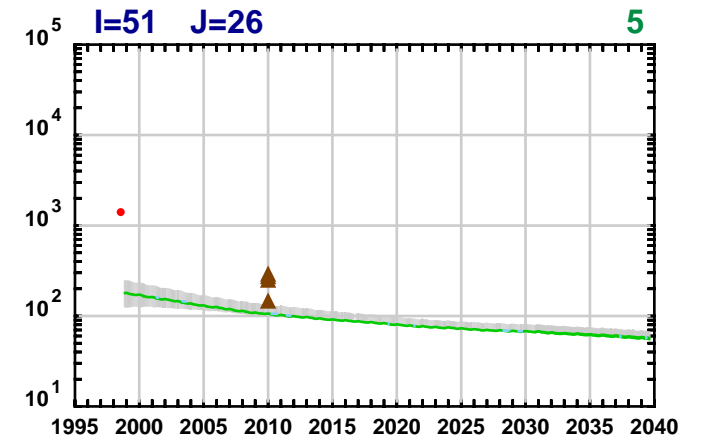
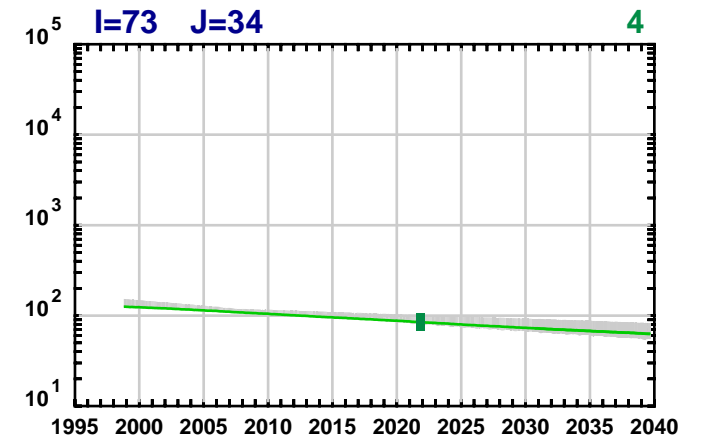
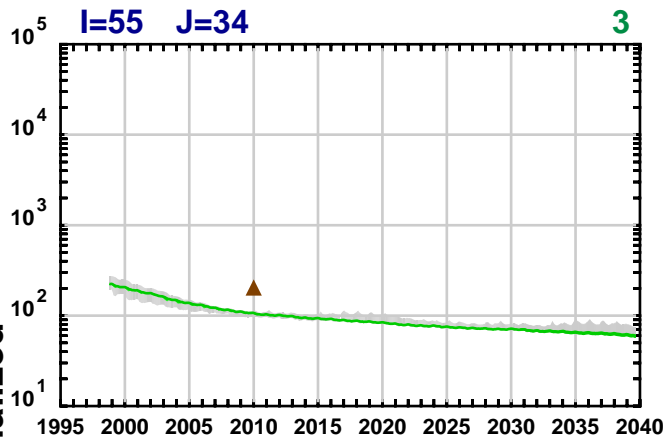
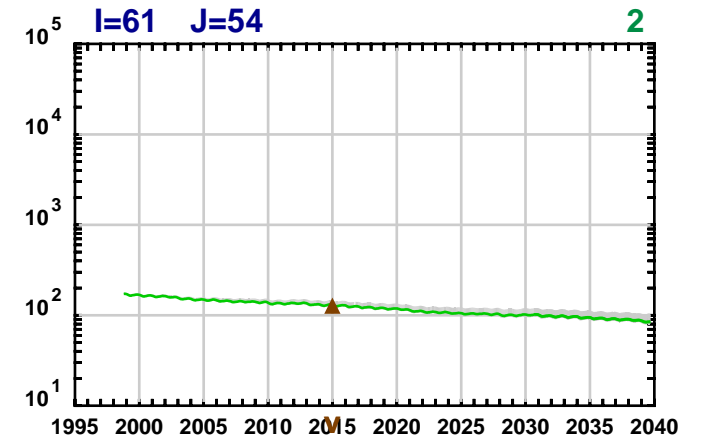
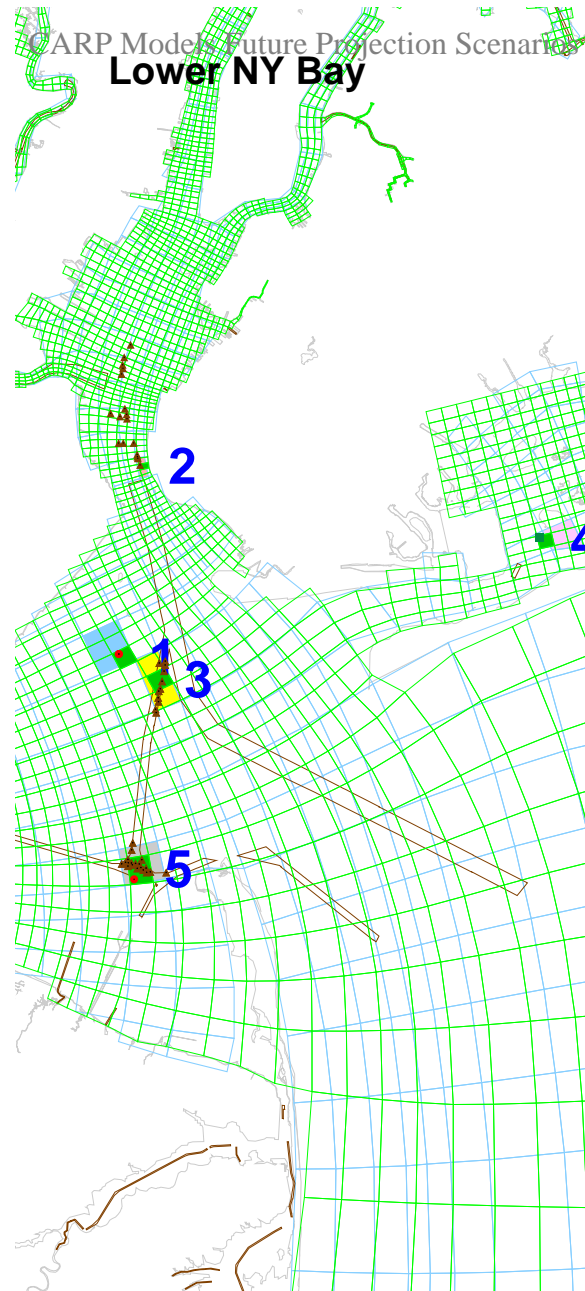
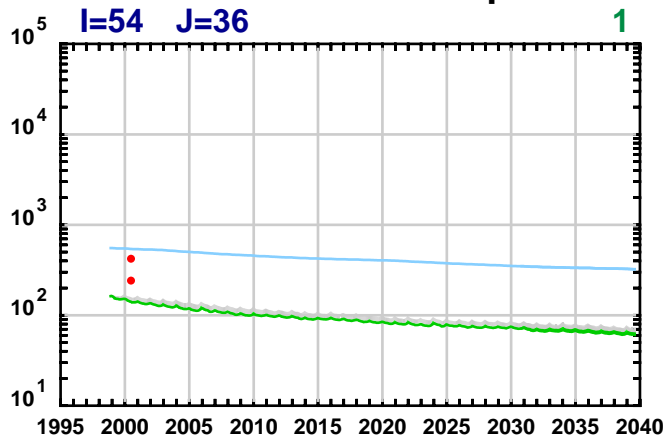
RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

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



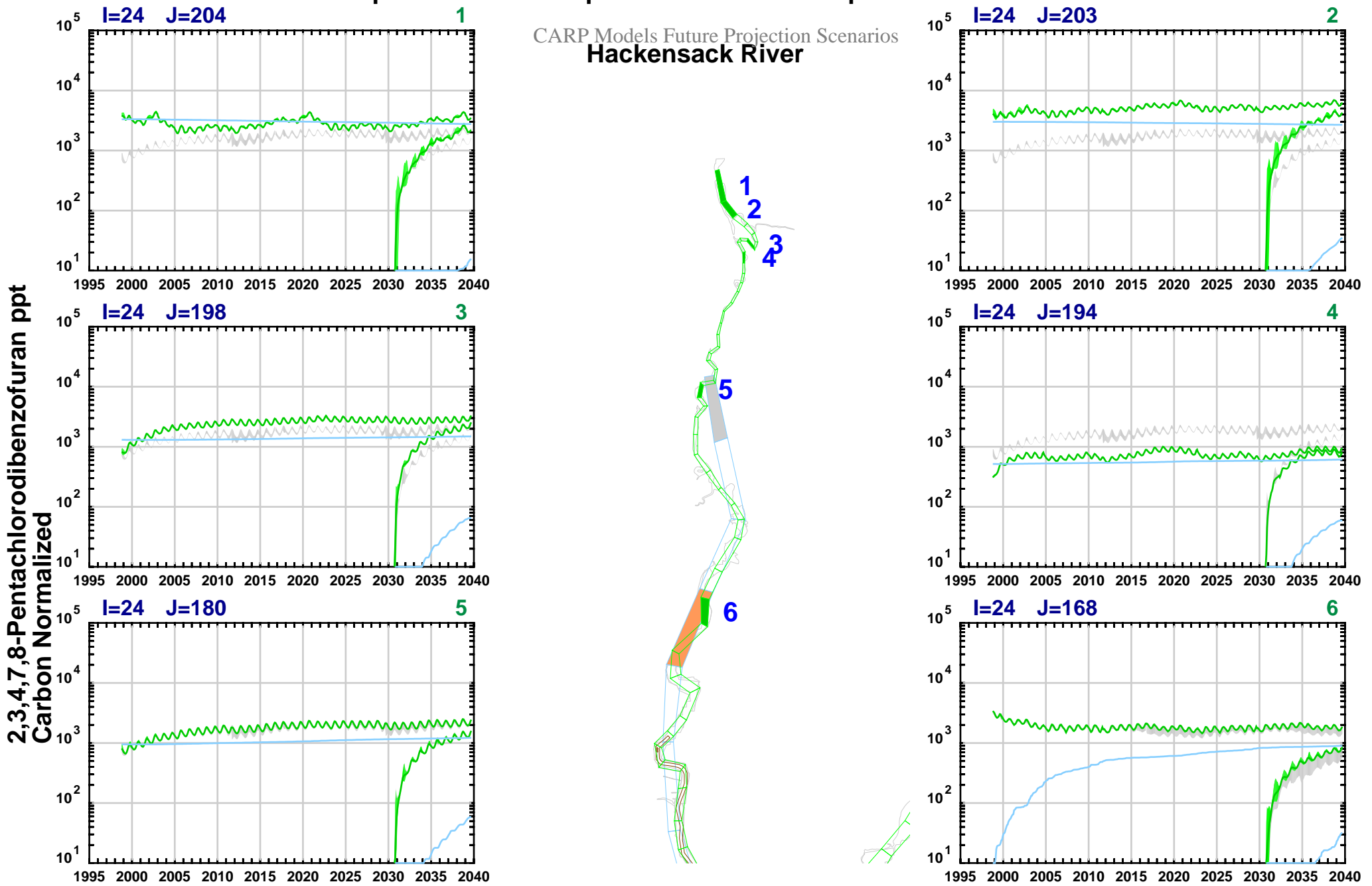
RUN18_PROJ01_PROJ02_R1

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

● In-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



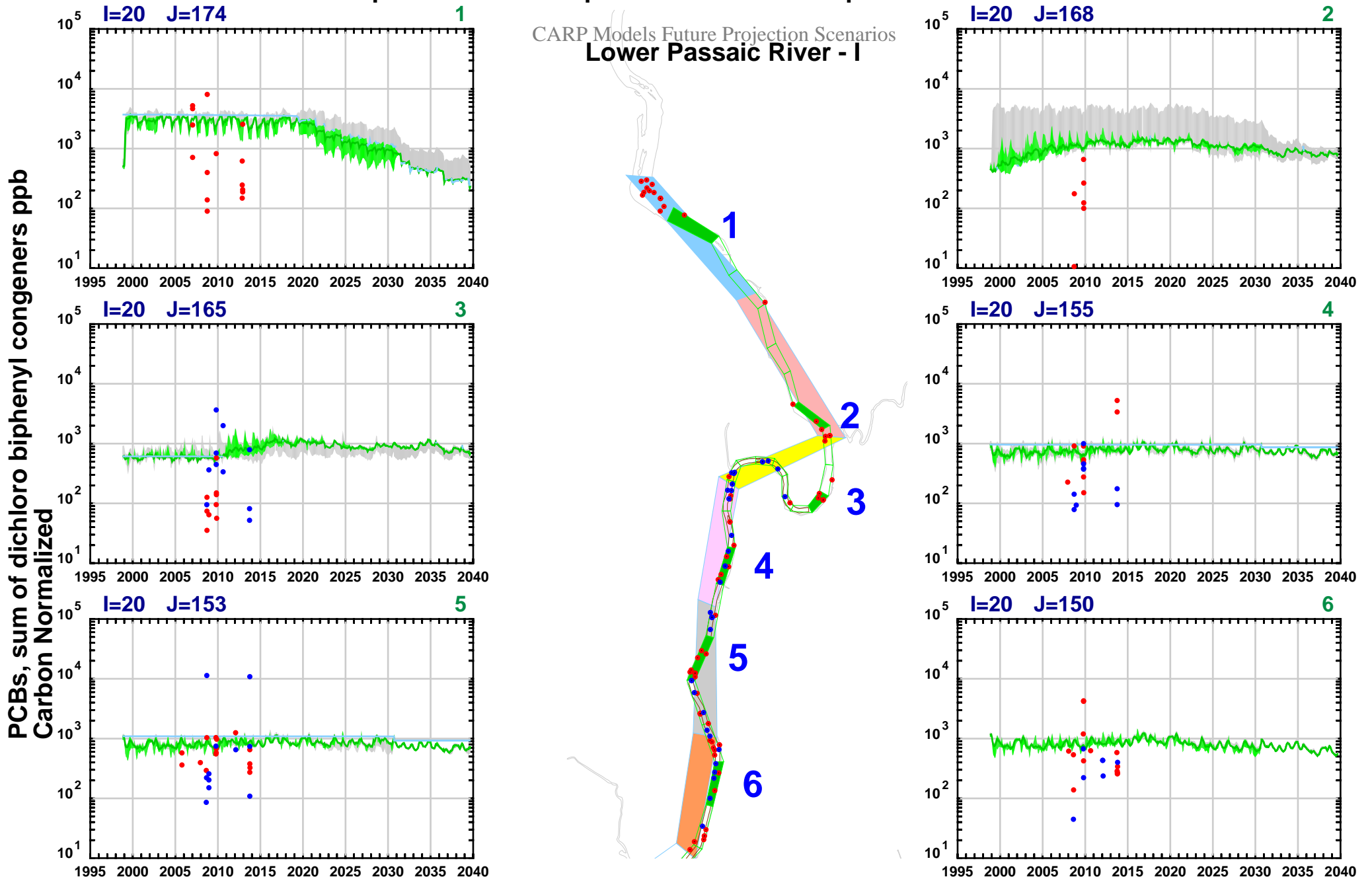
RUN18_PROJ01_PROJ02_R1

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

● In-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

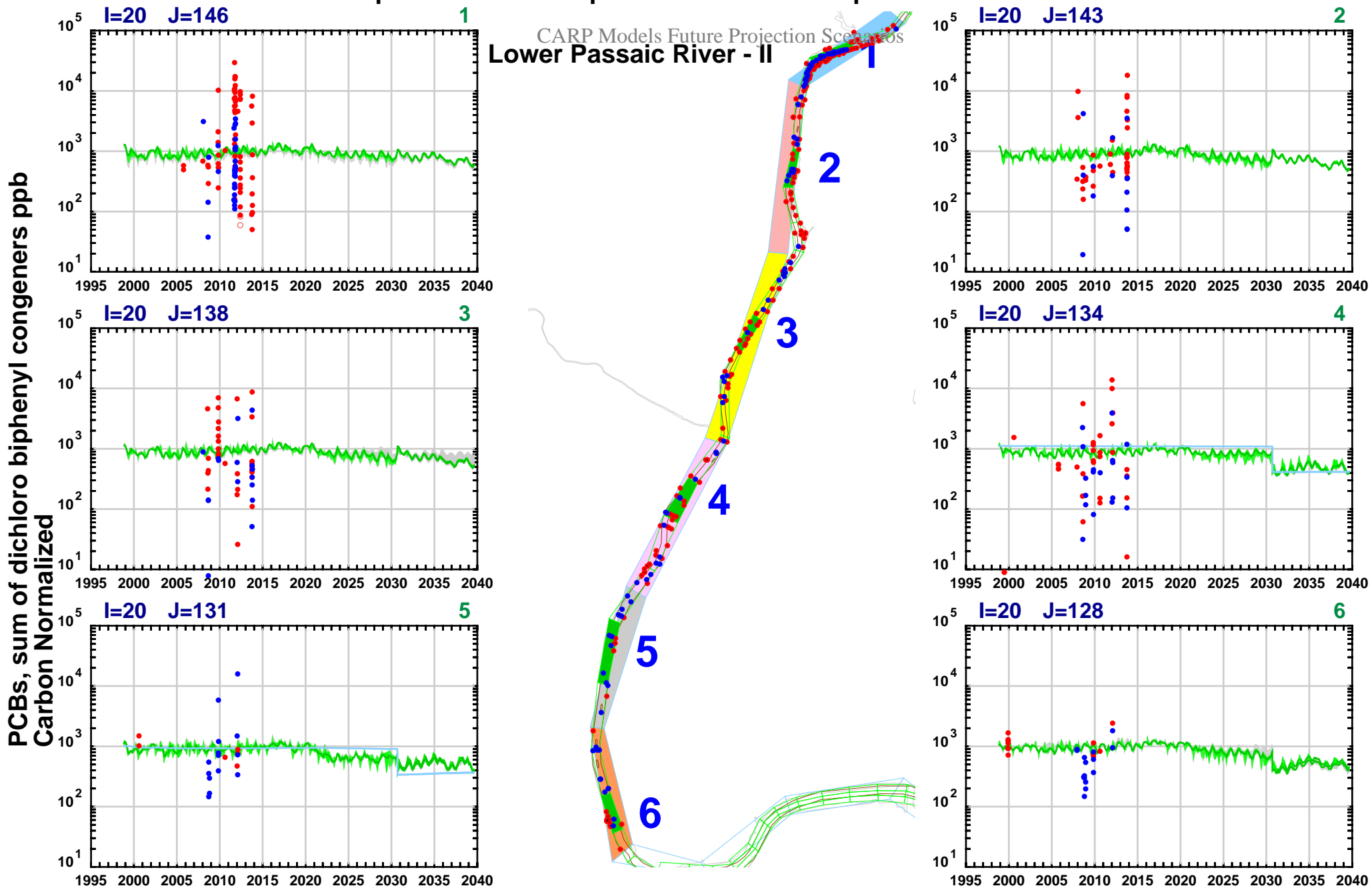


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



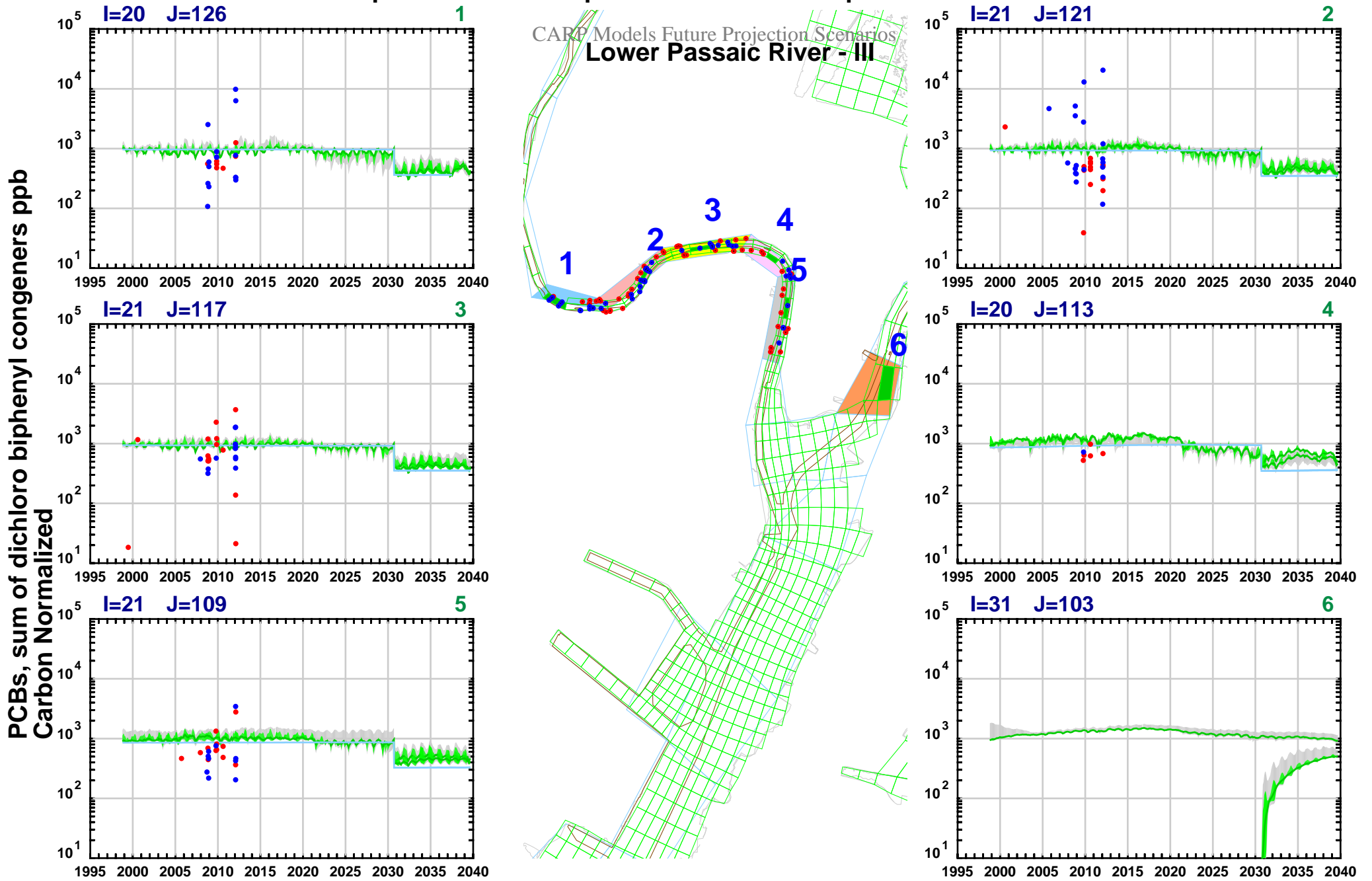
CARP Models Future Projection Scenarios
Lower Passaic River - II

RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

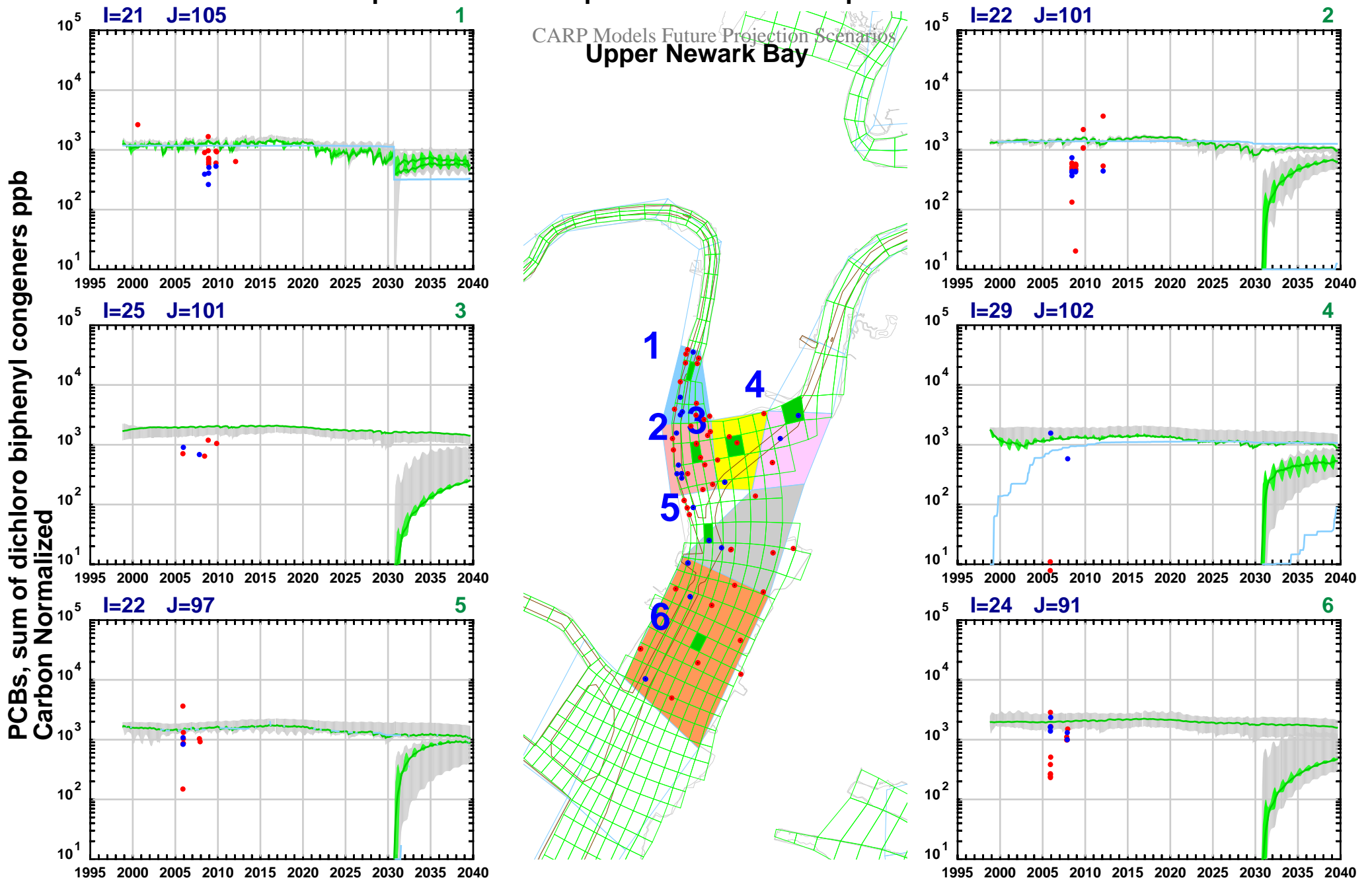


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

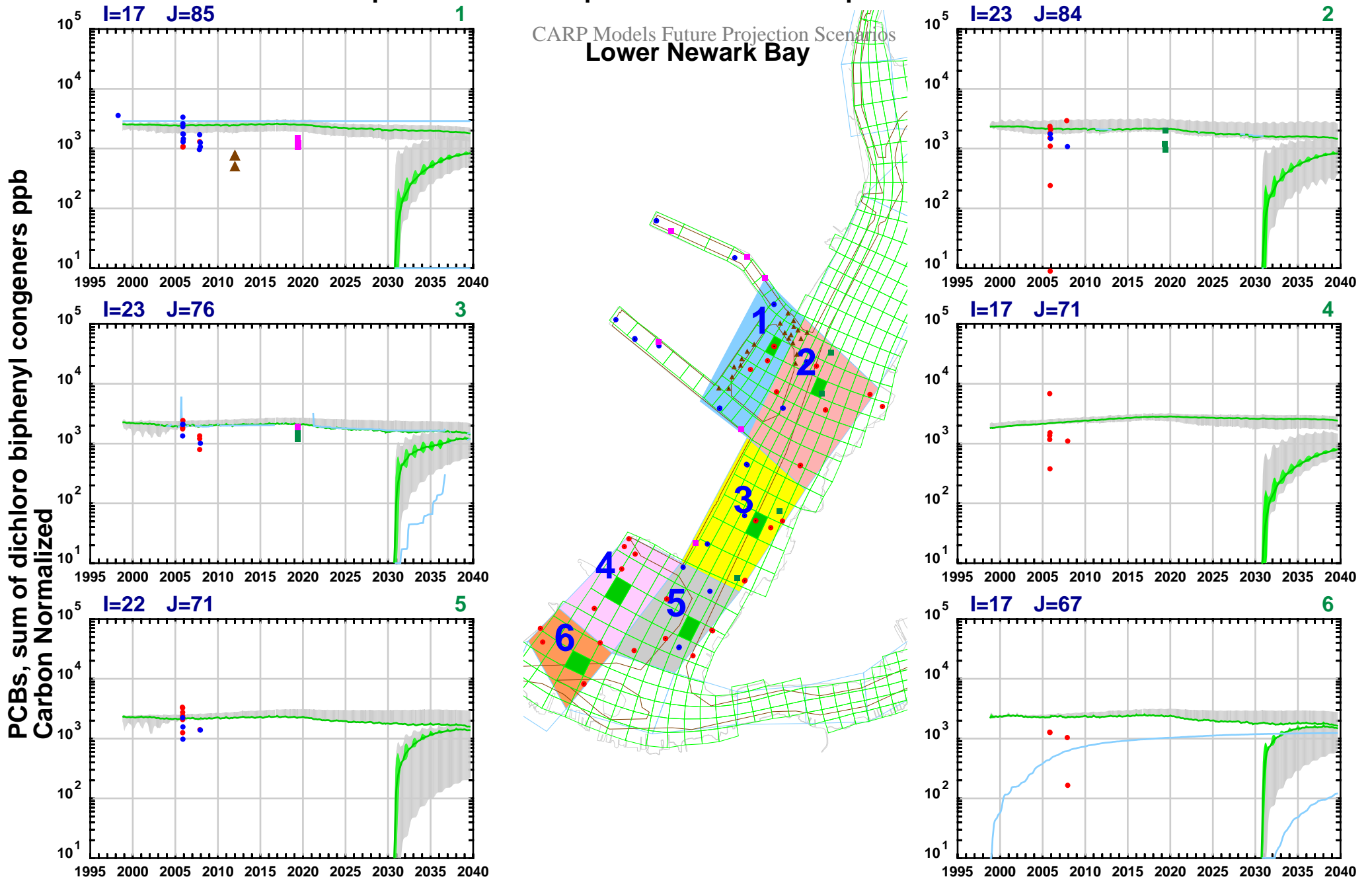


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

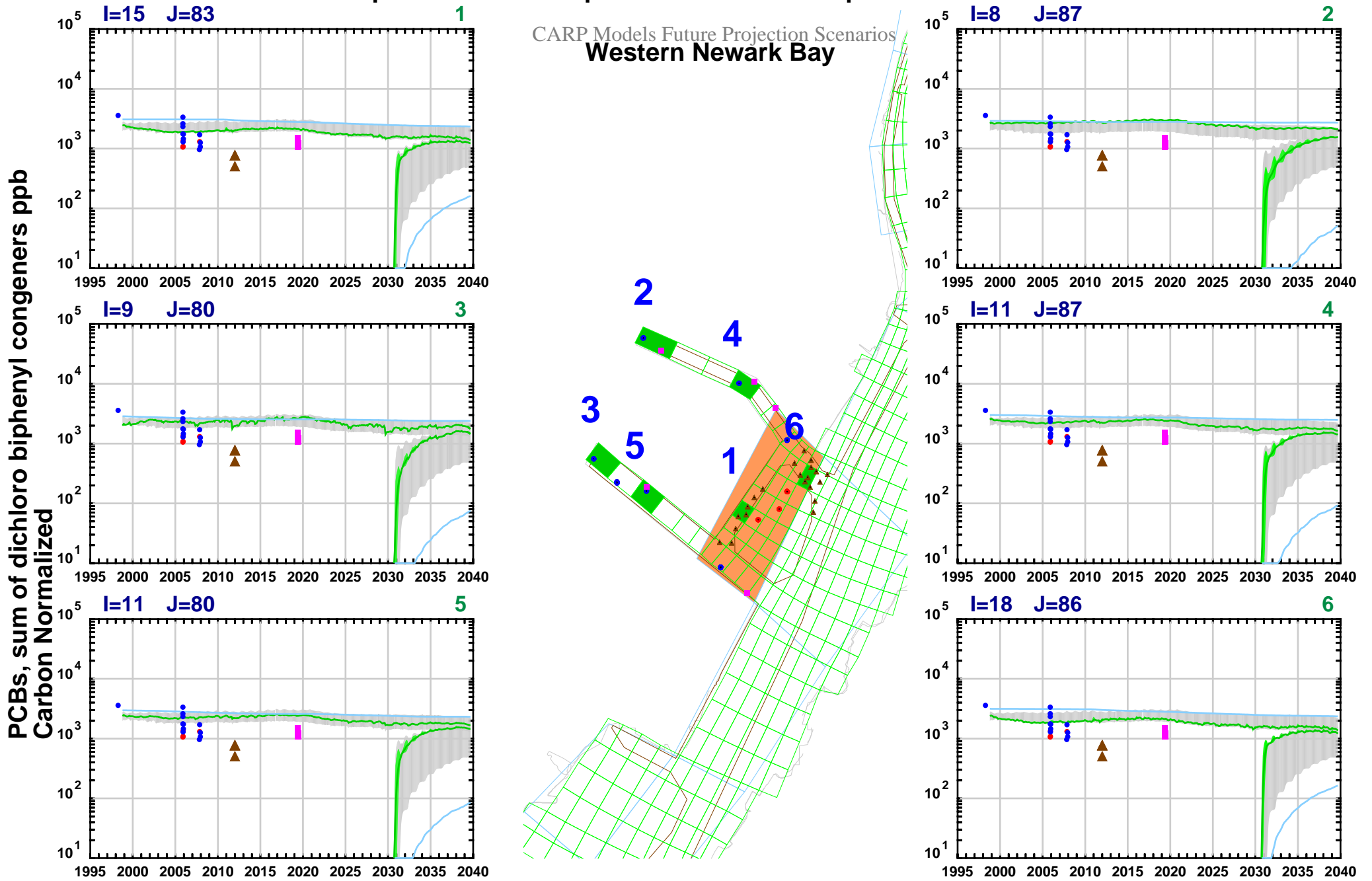


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



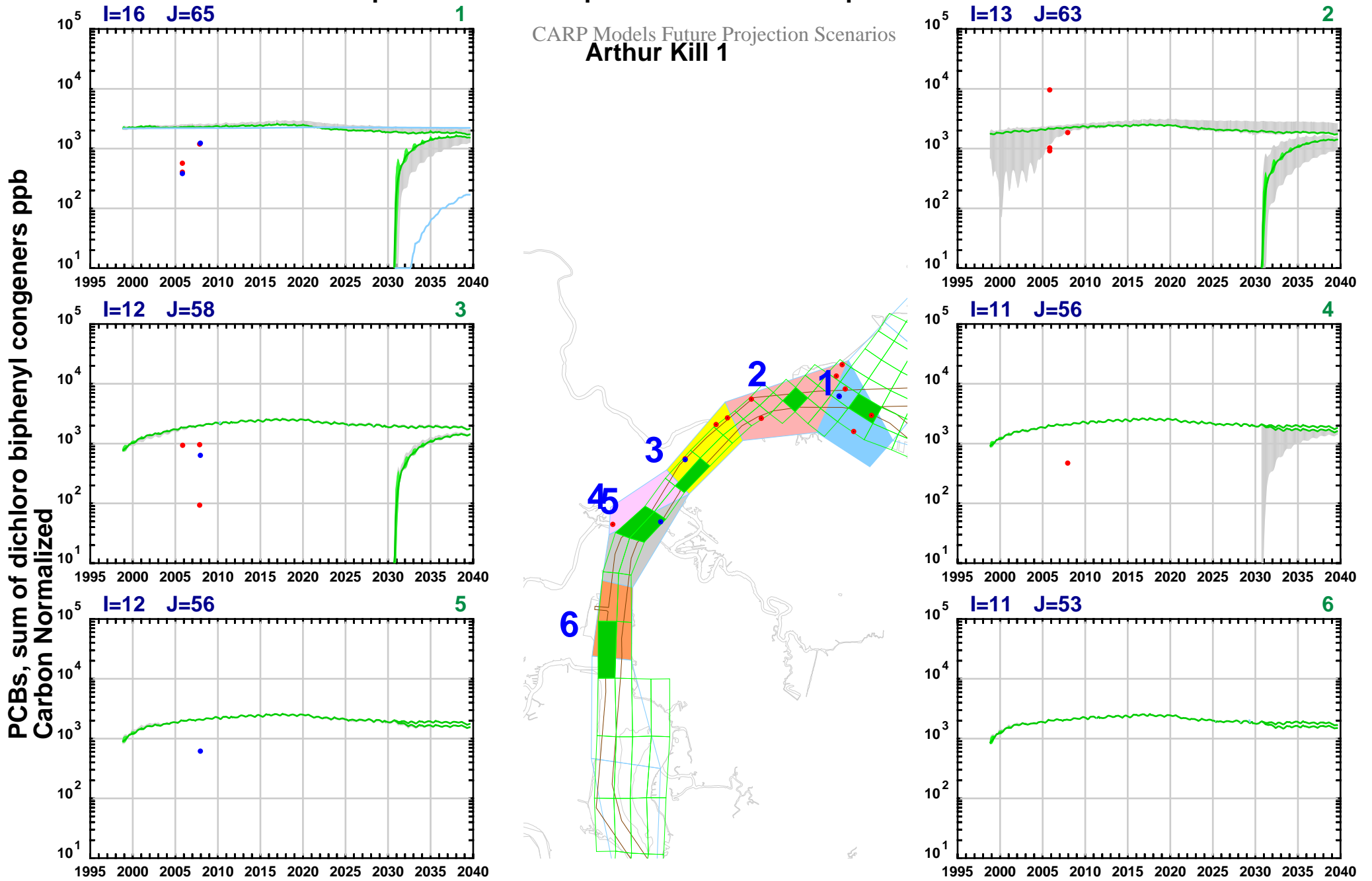
RUN18_PROJ01_PROJ02_R1

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

● In-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

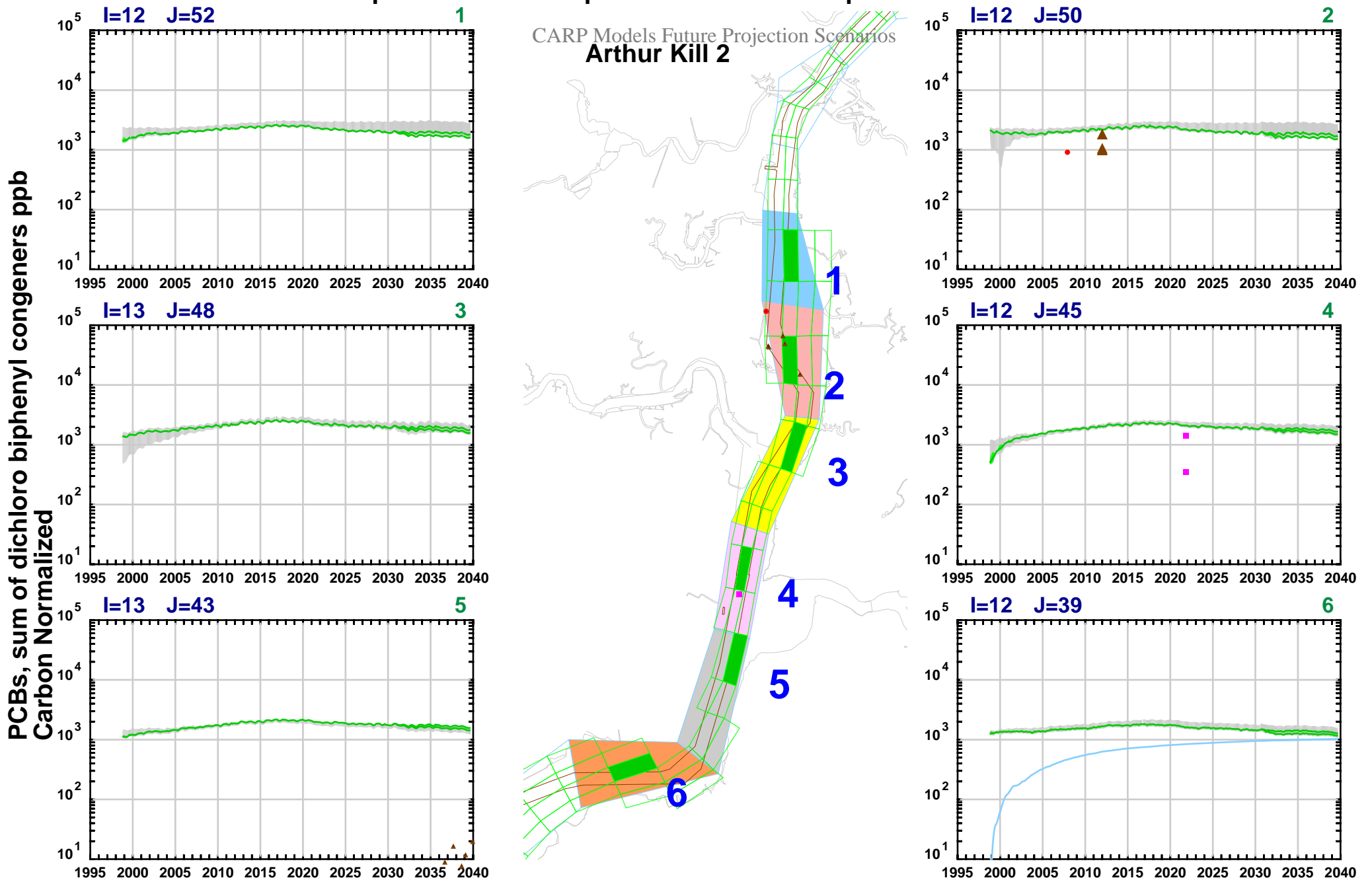


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

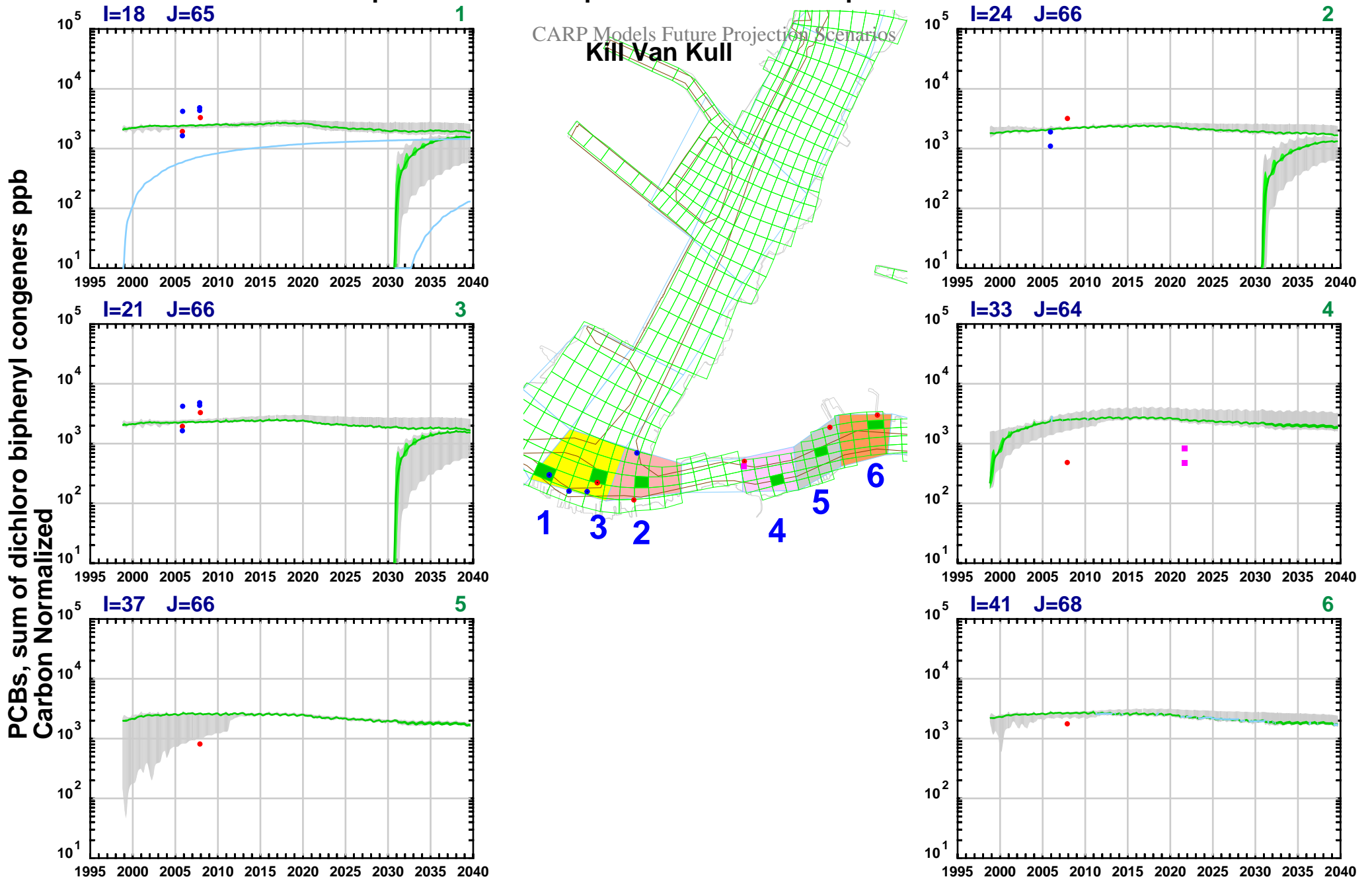


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

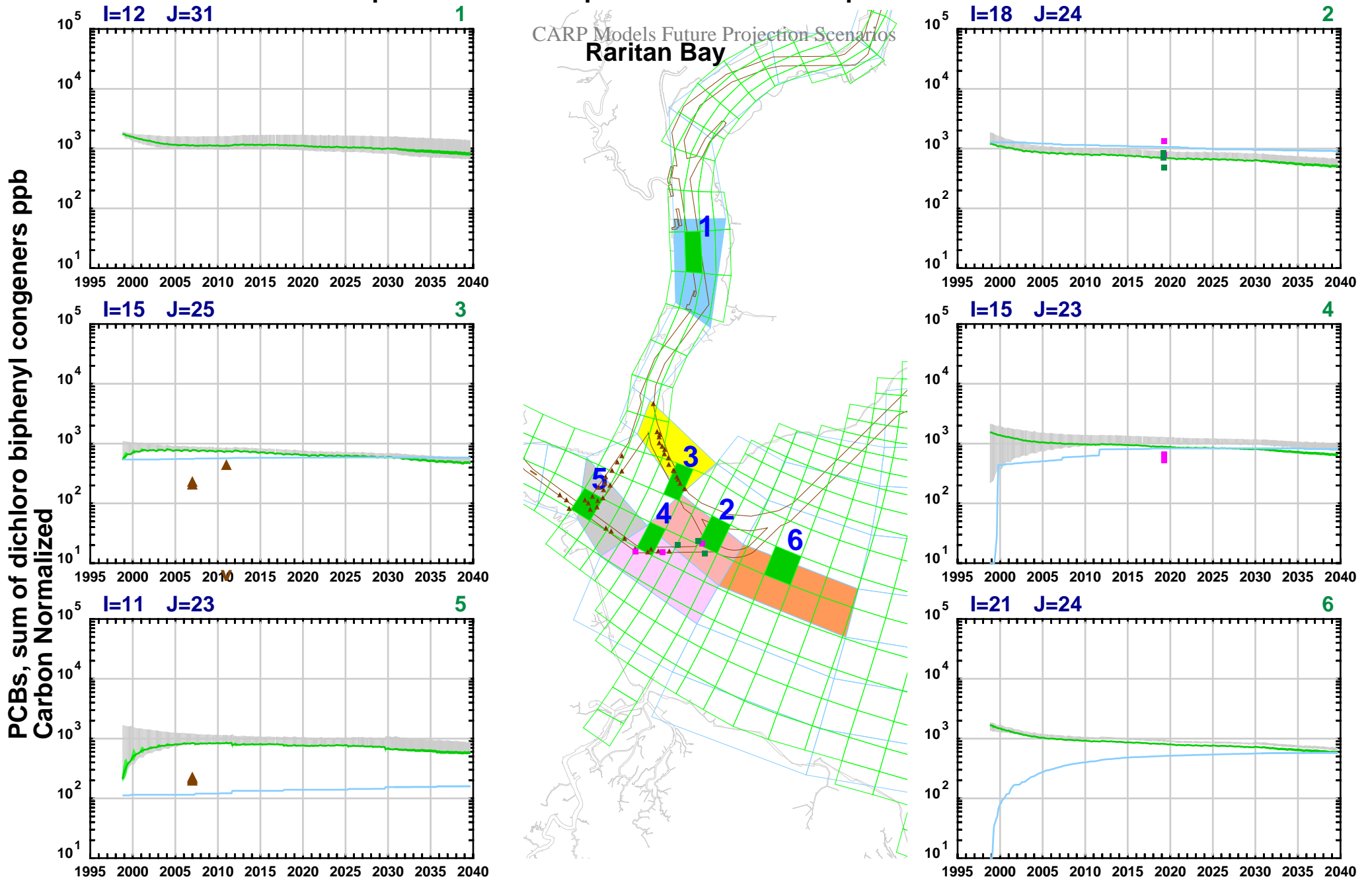


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

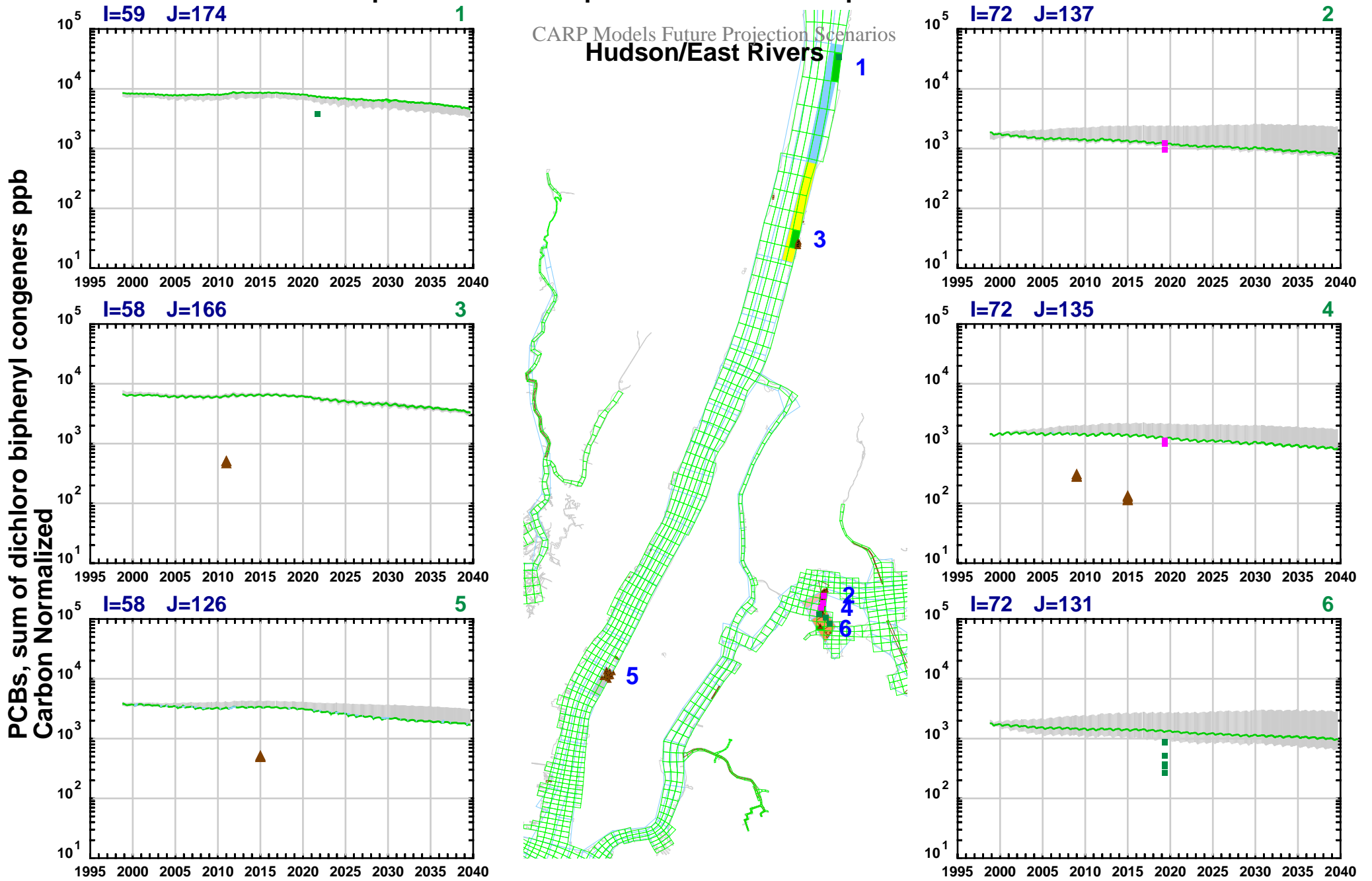


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

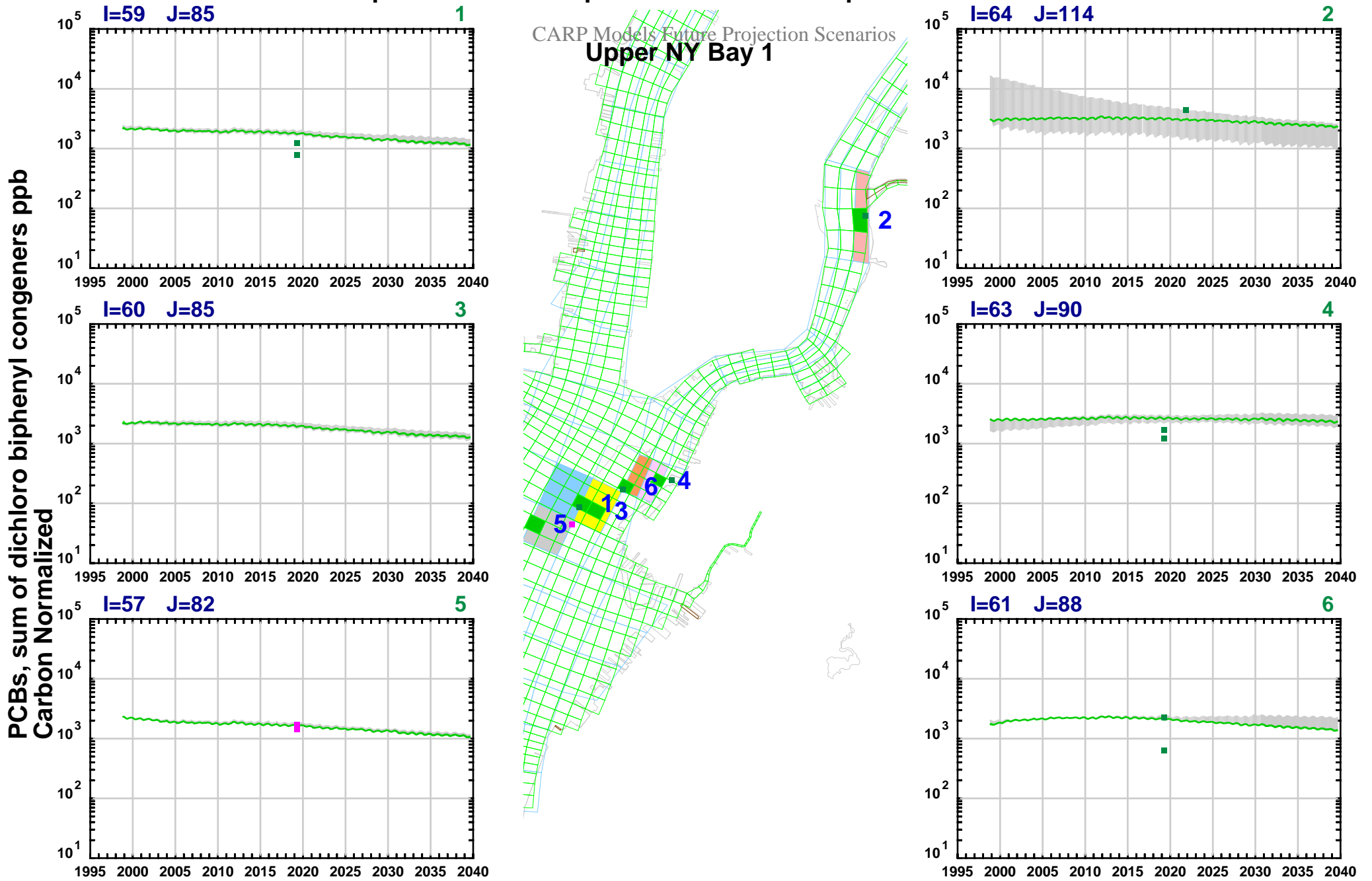


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

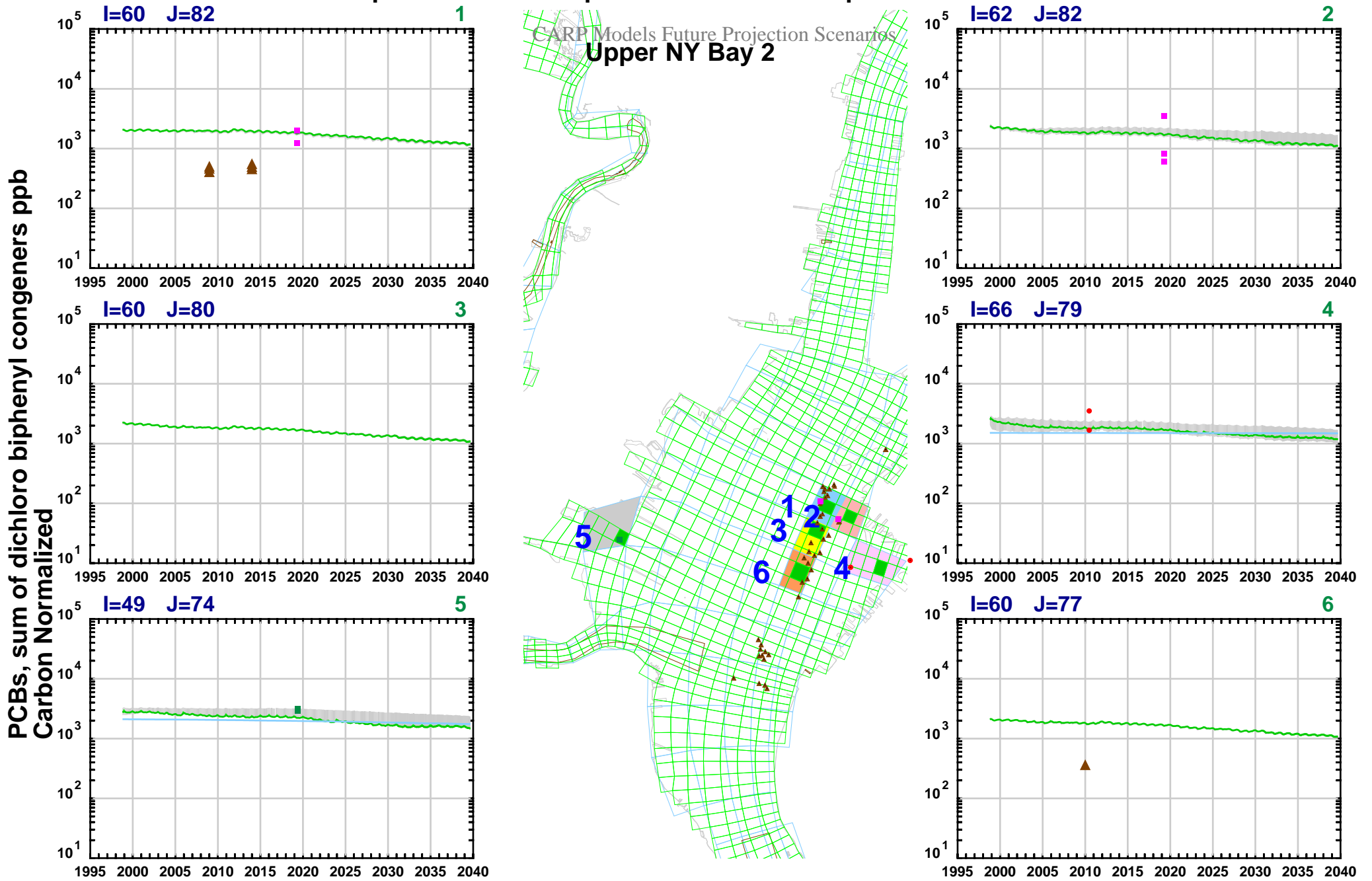


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

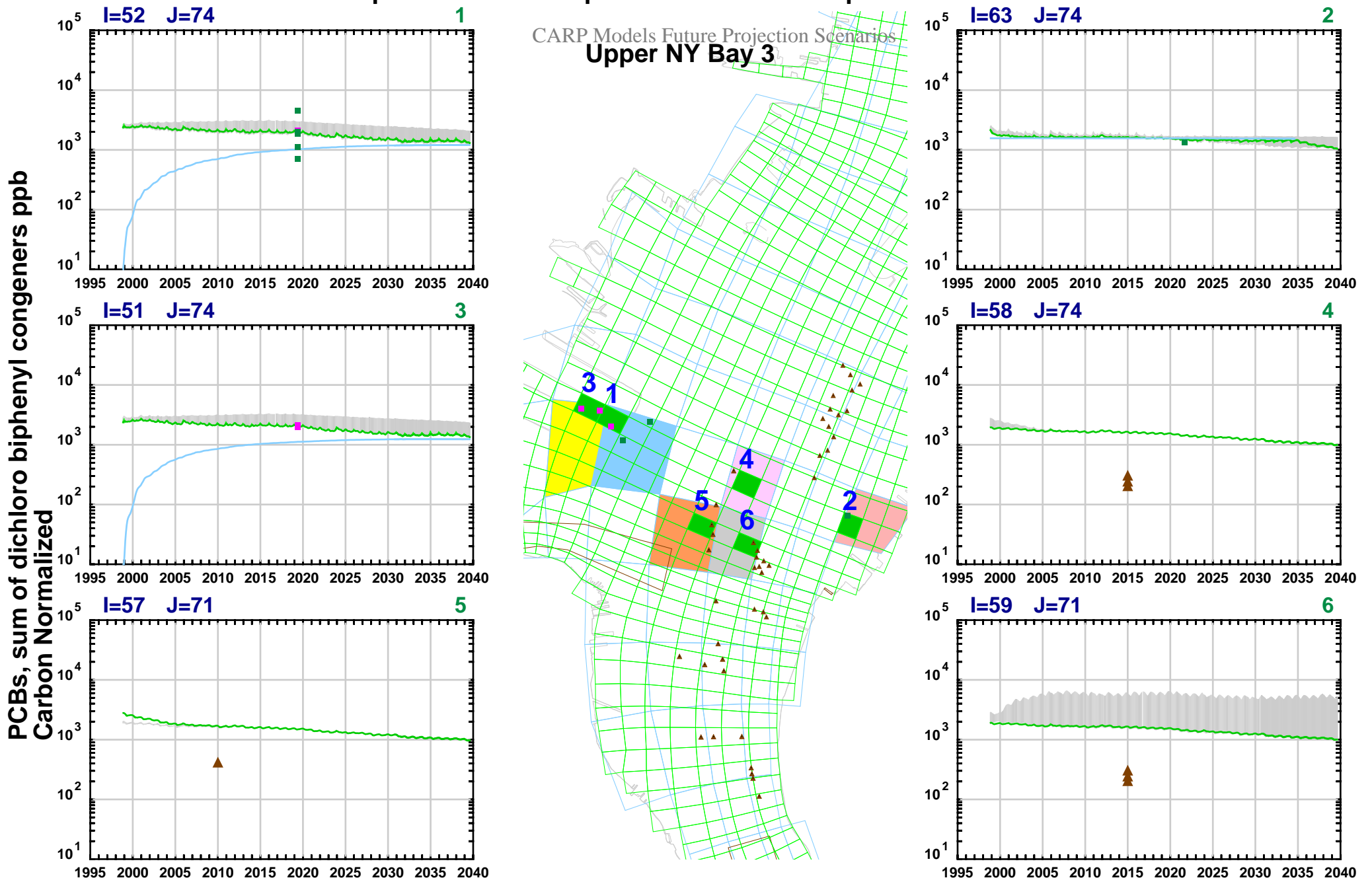


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

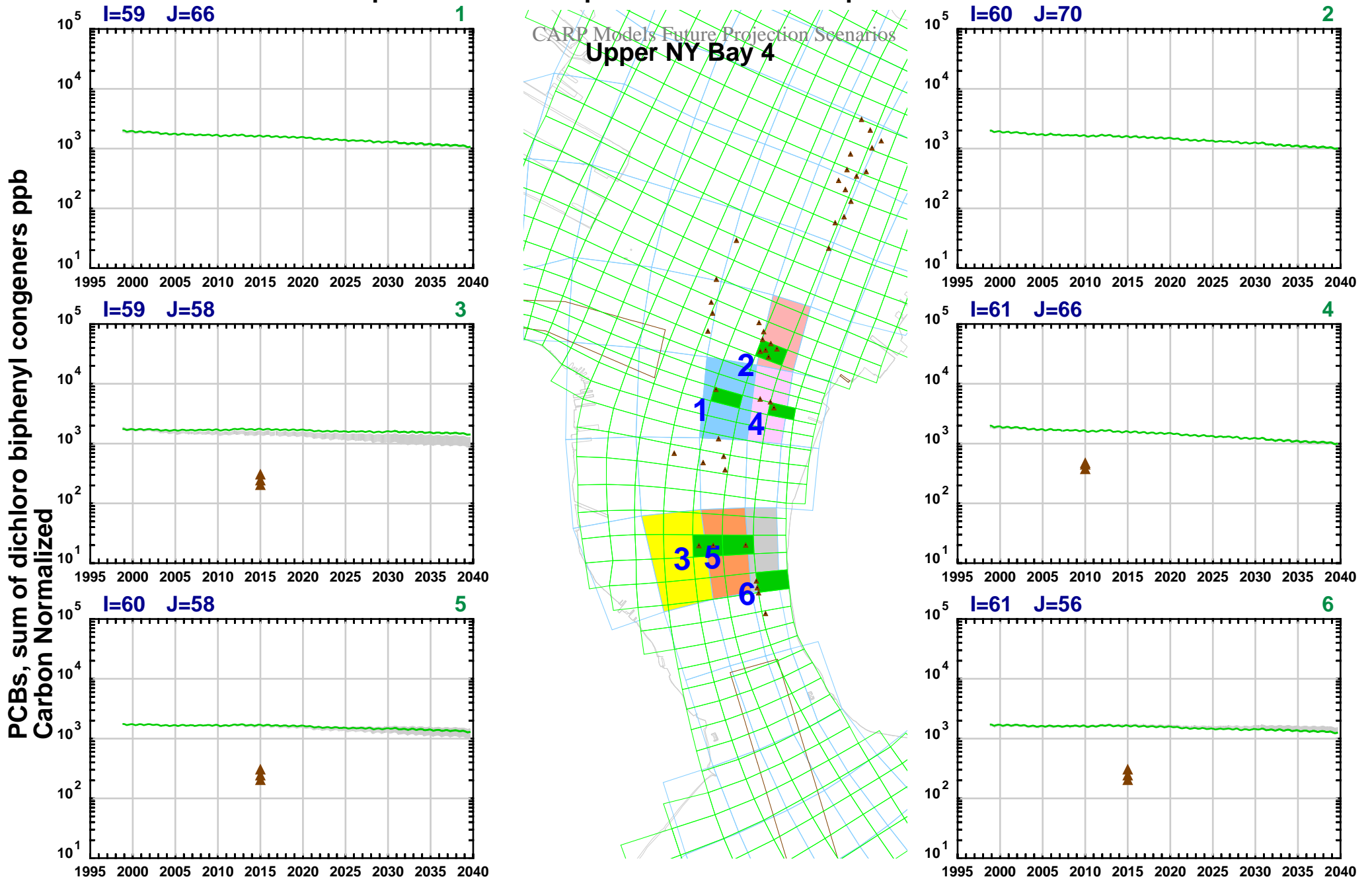


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

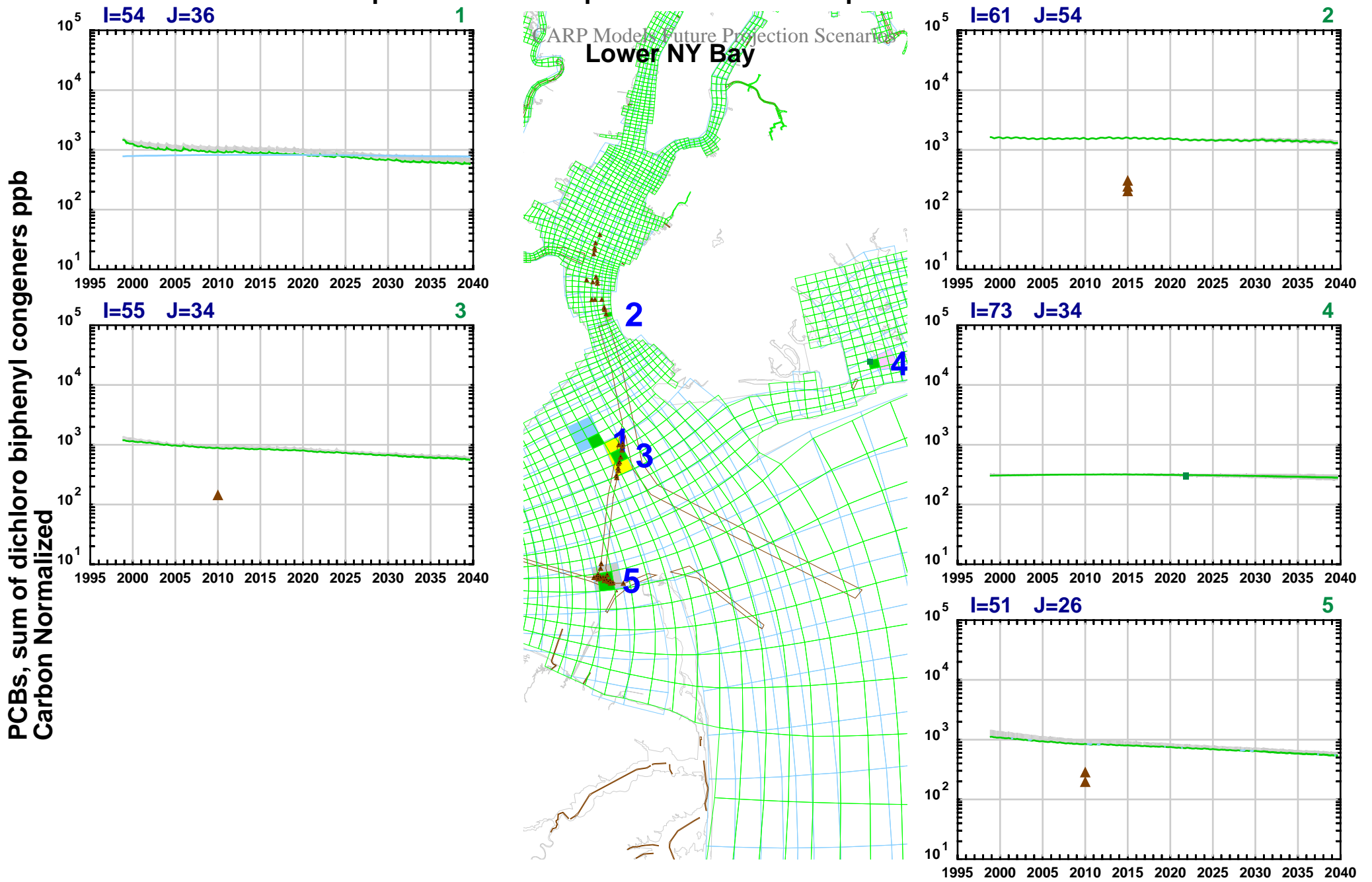


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



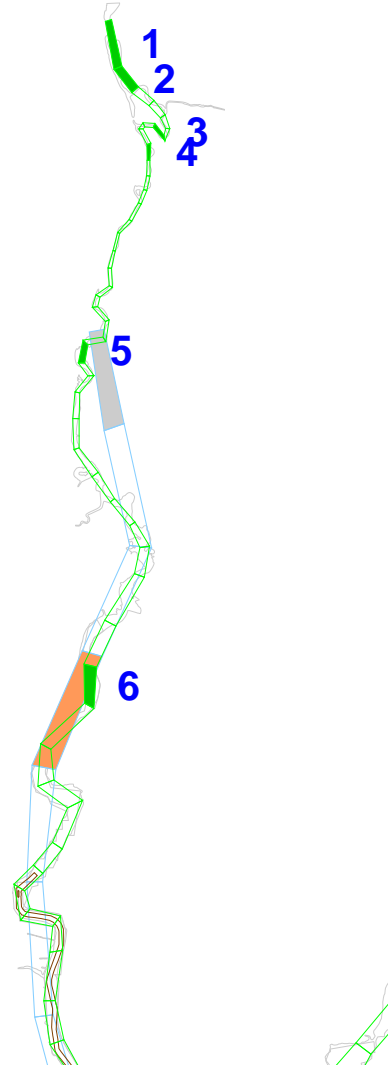
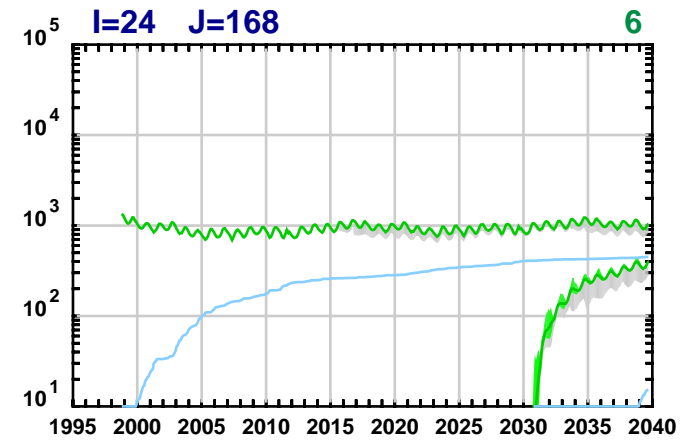
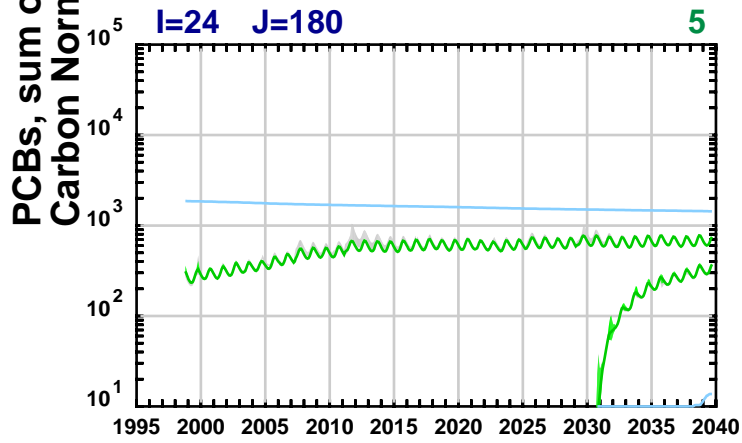
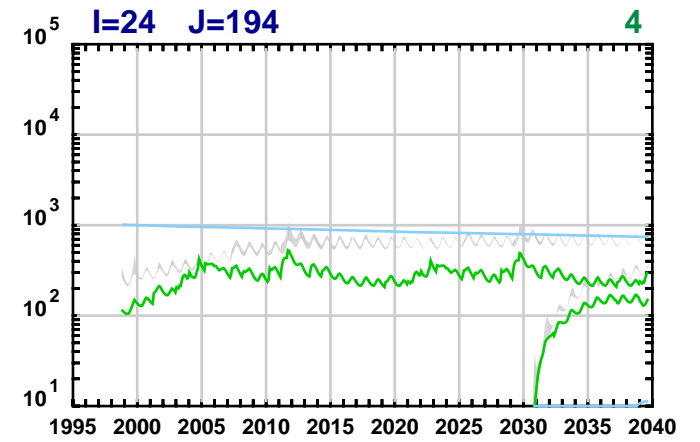
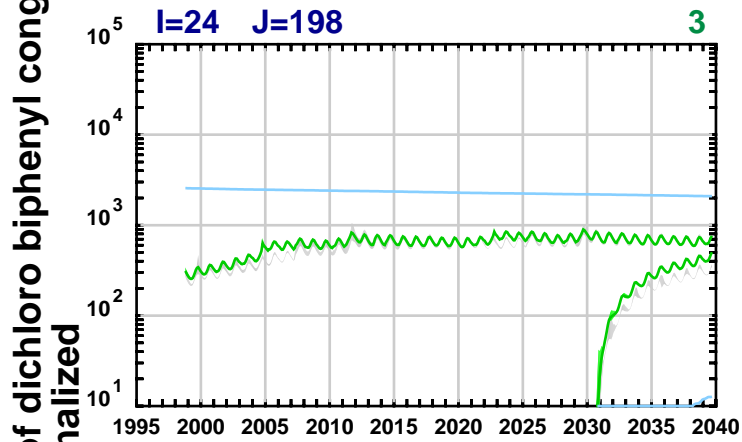
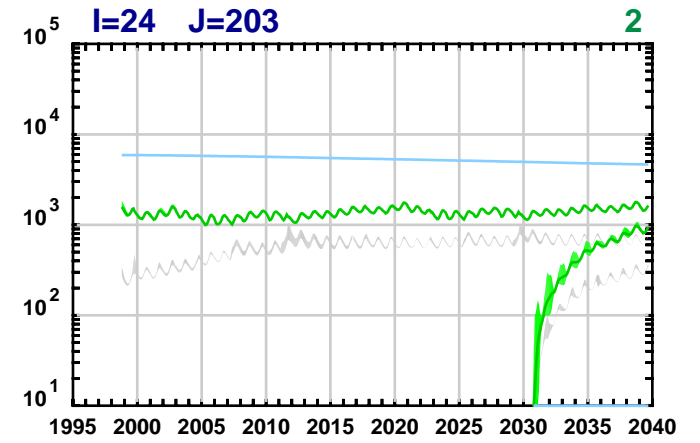
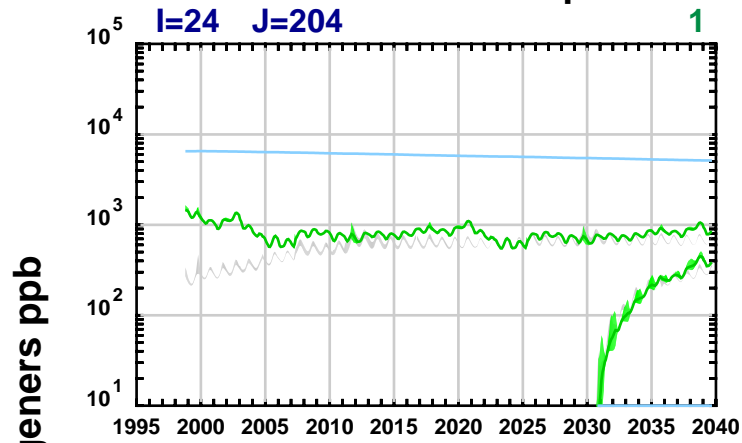
RUN18_PROJ01_PROJ02_R1

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

● In-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



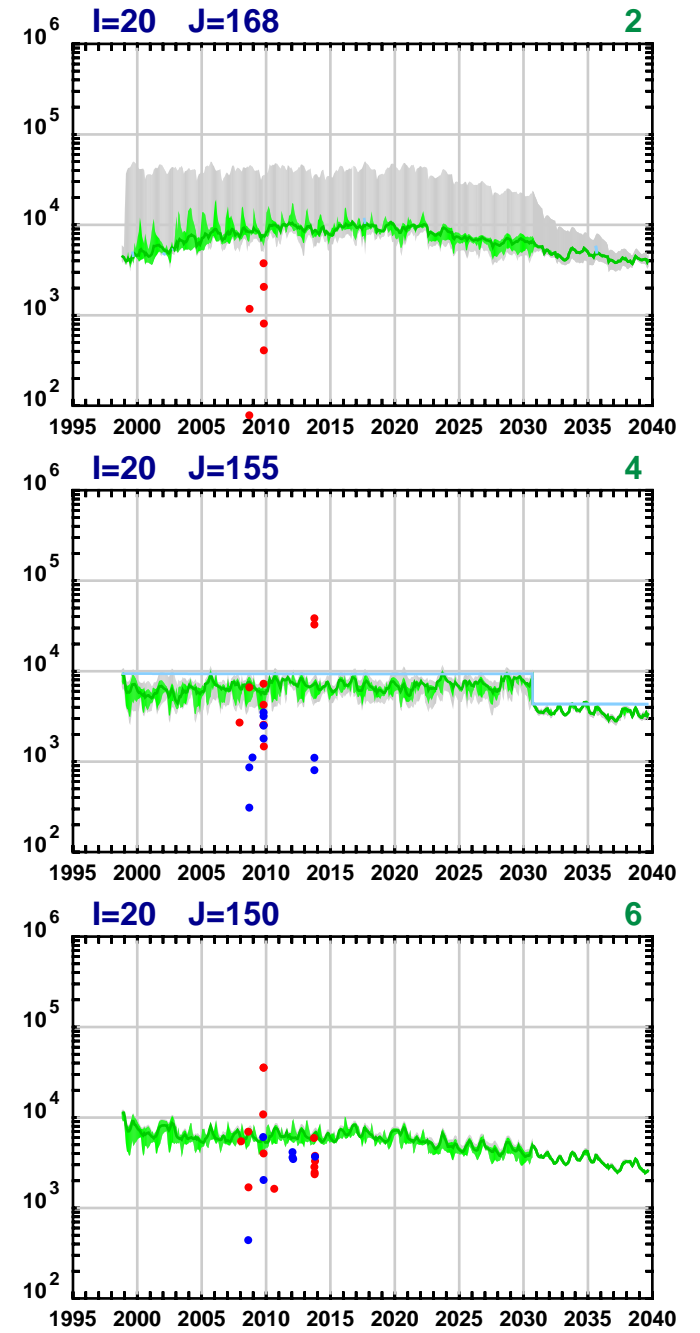
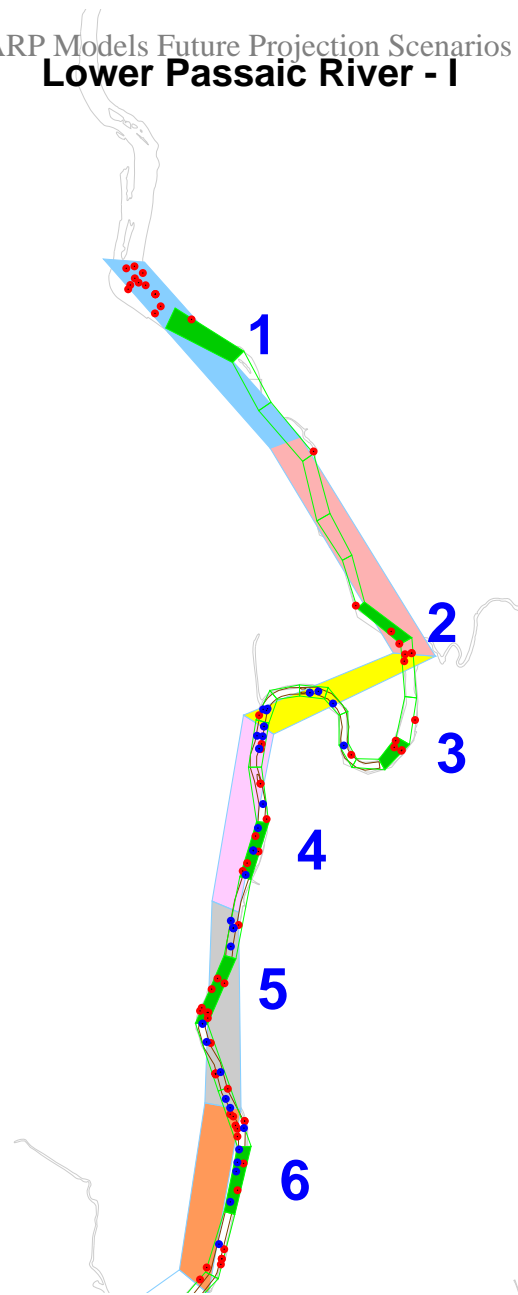
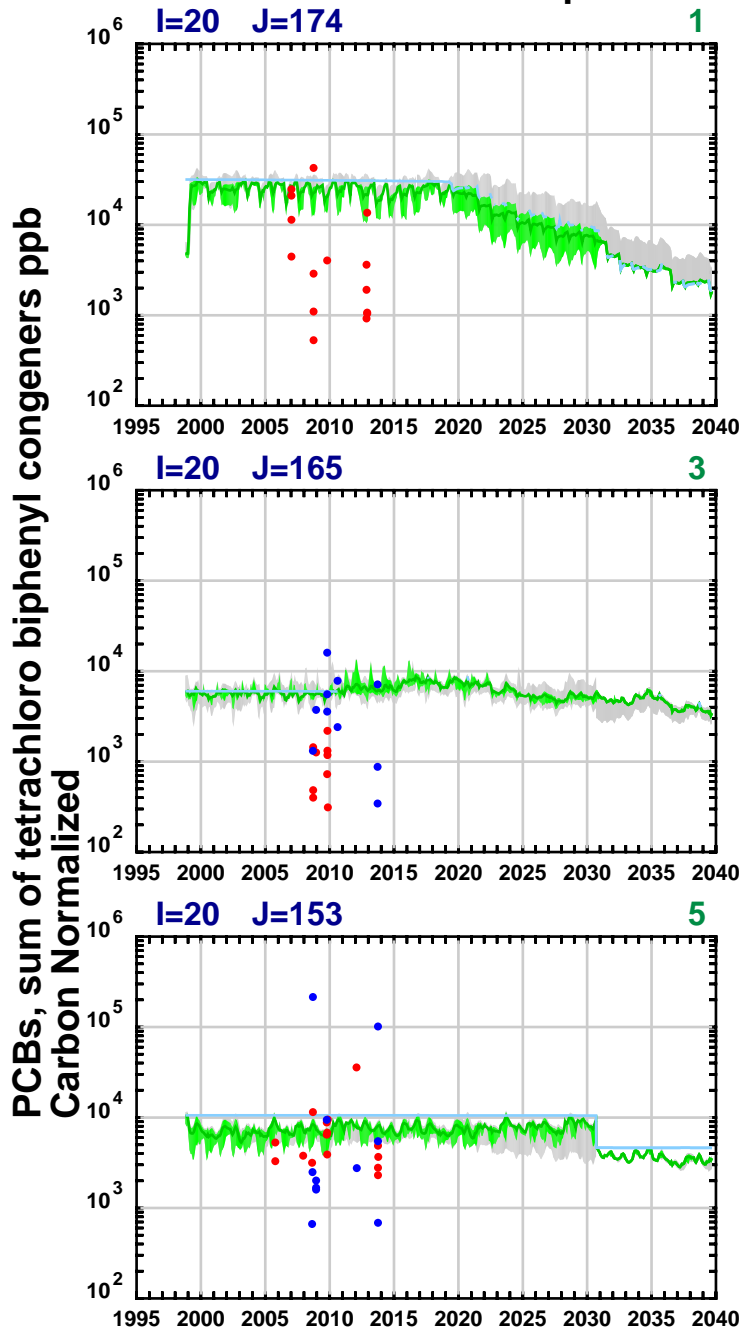
RUN18_PROJ01_PROJ02_R1

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

● In-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

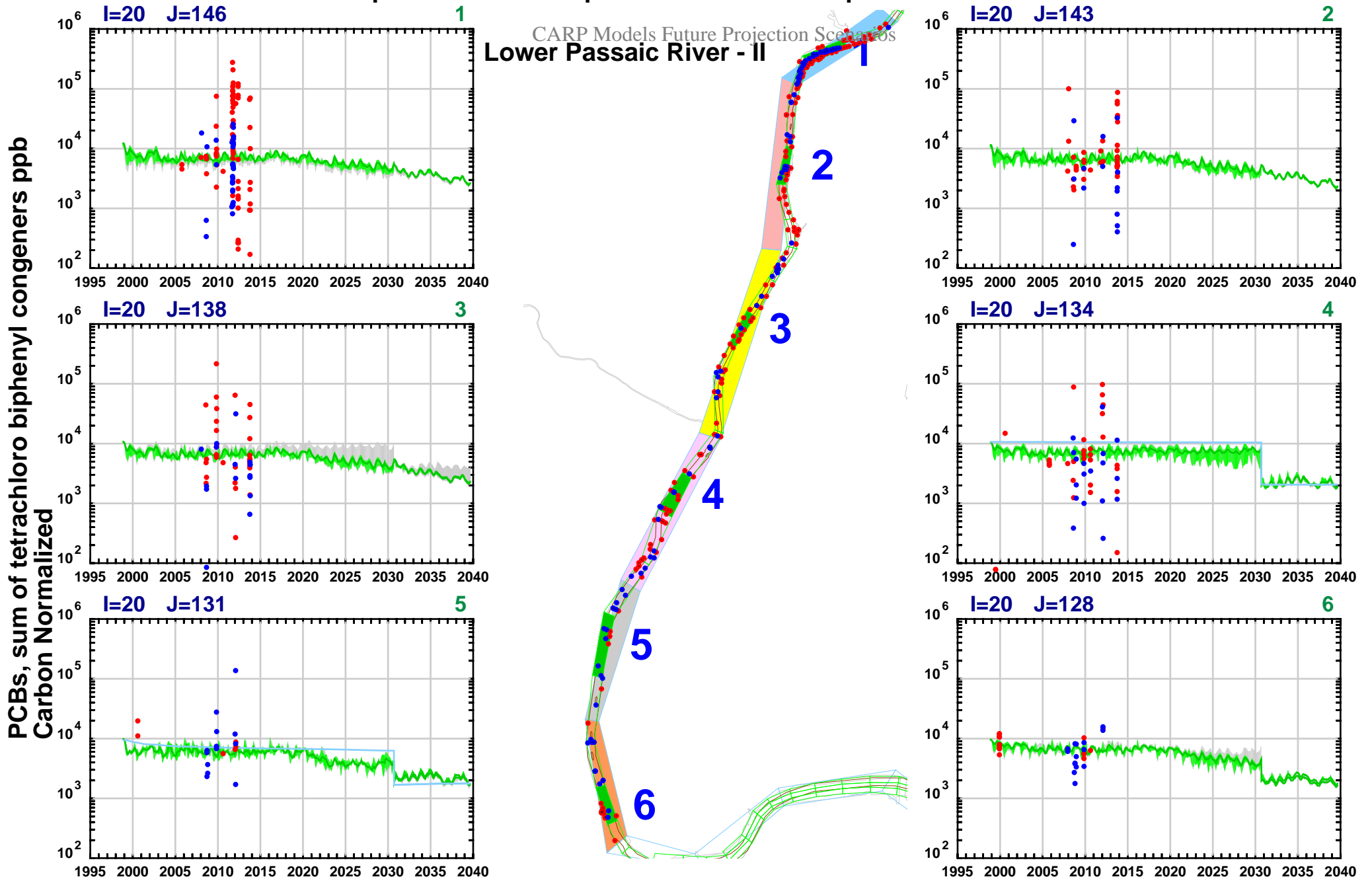


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

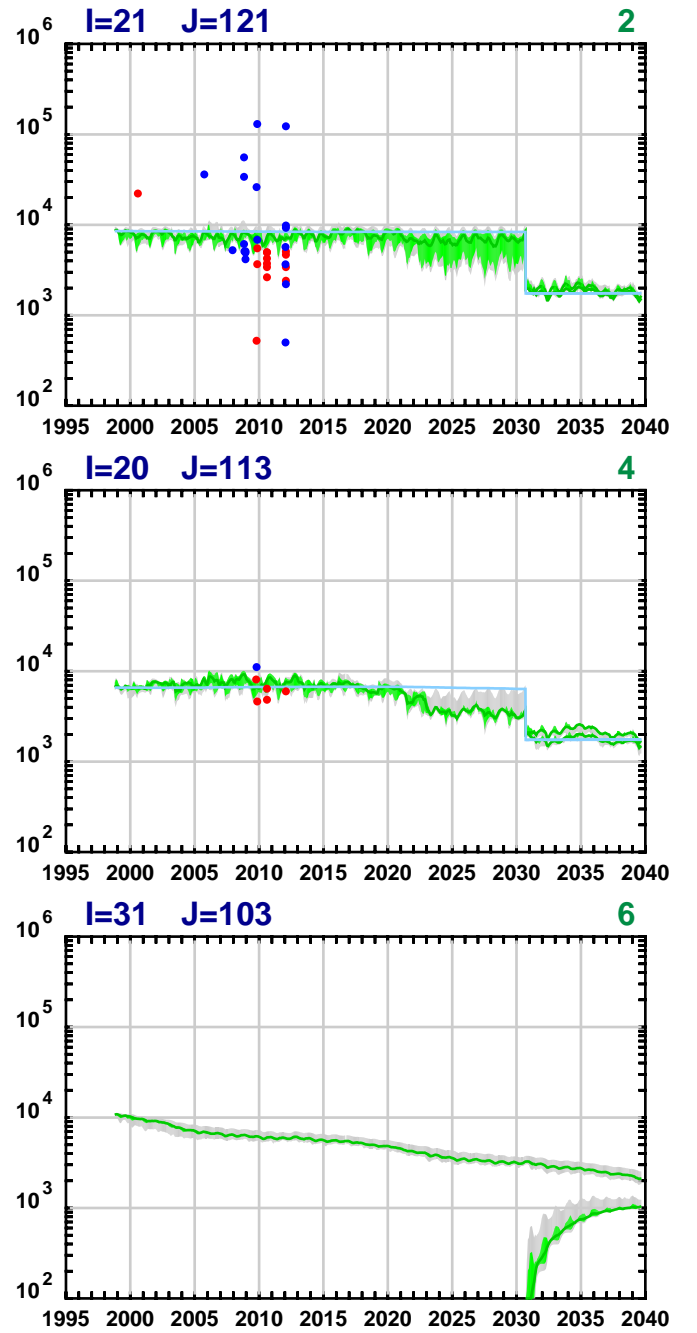
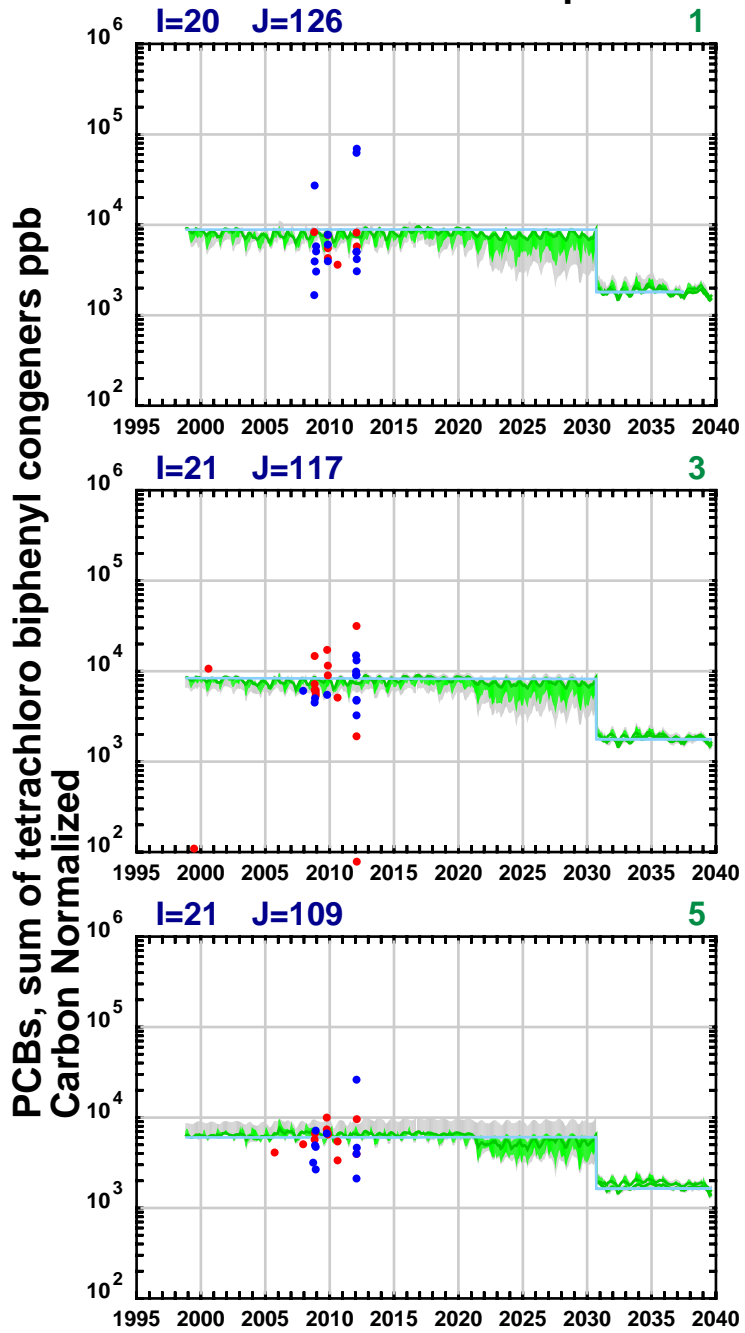


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

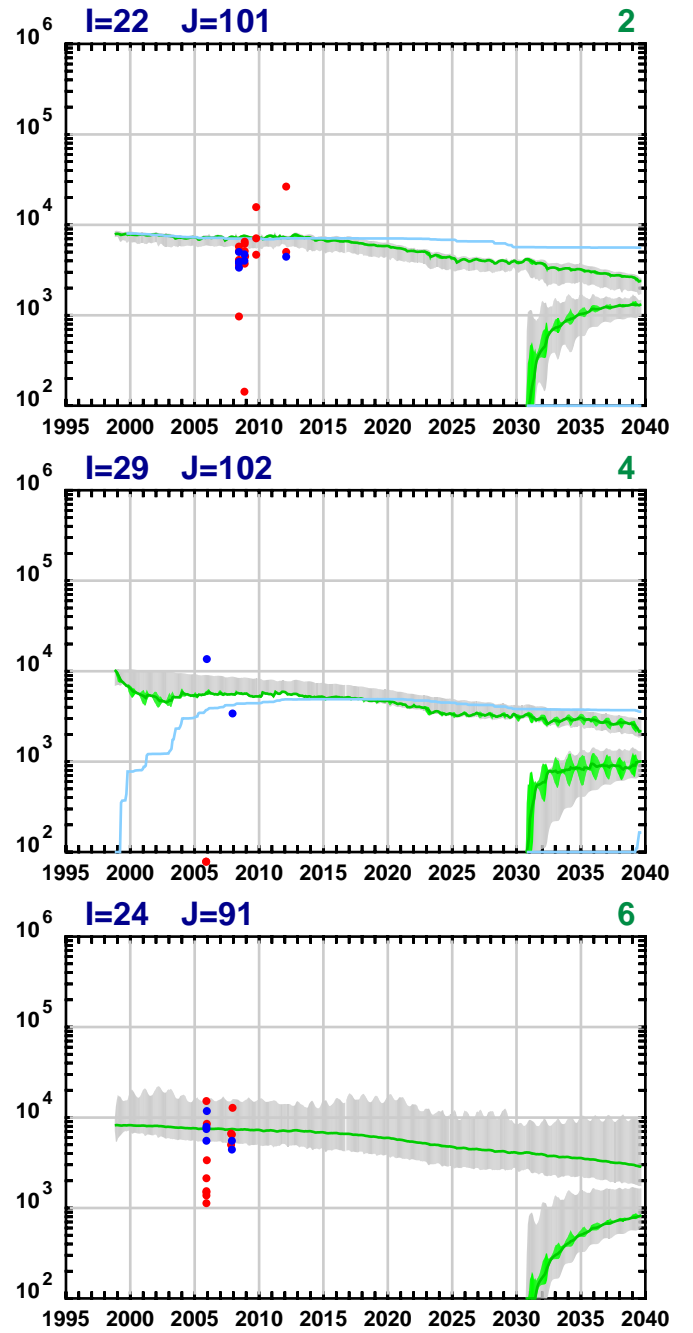
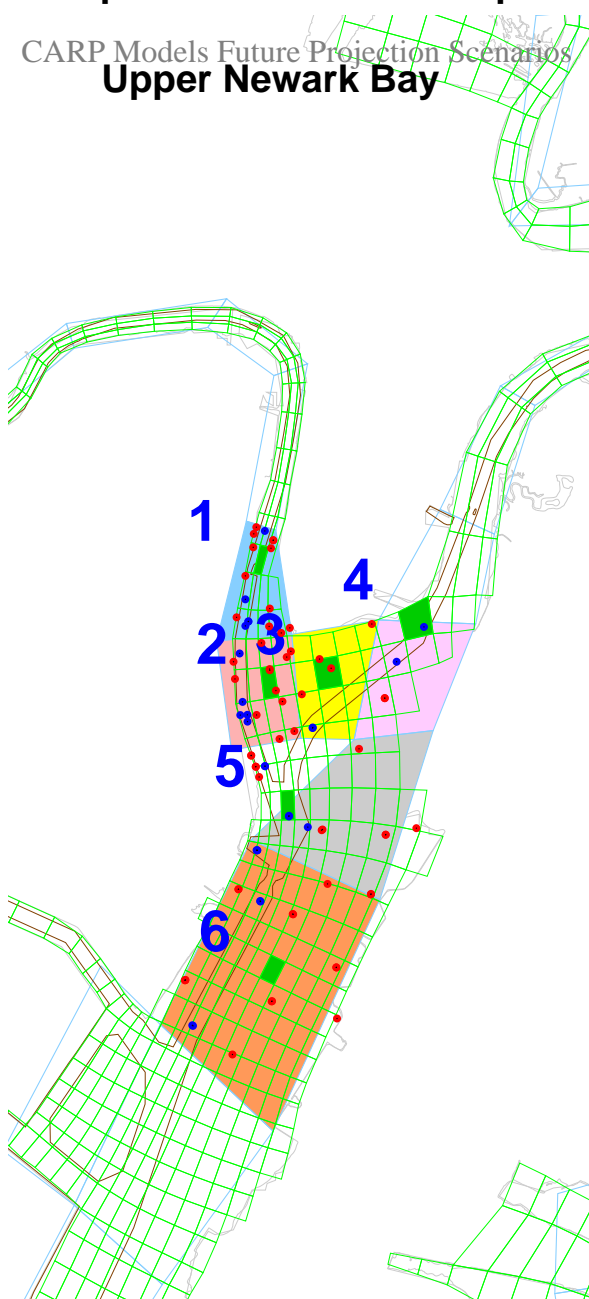
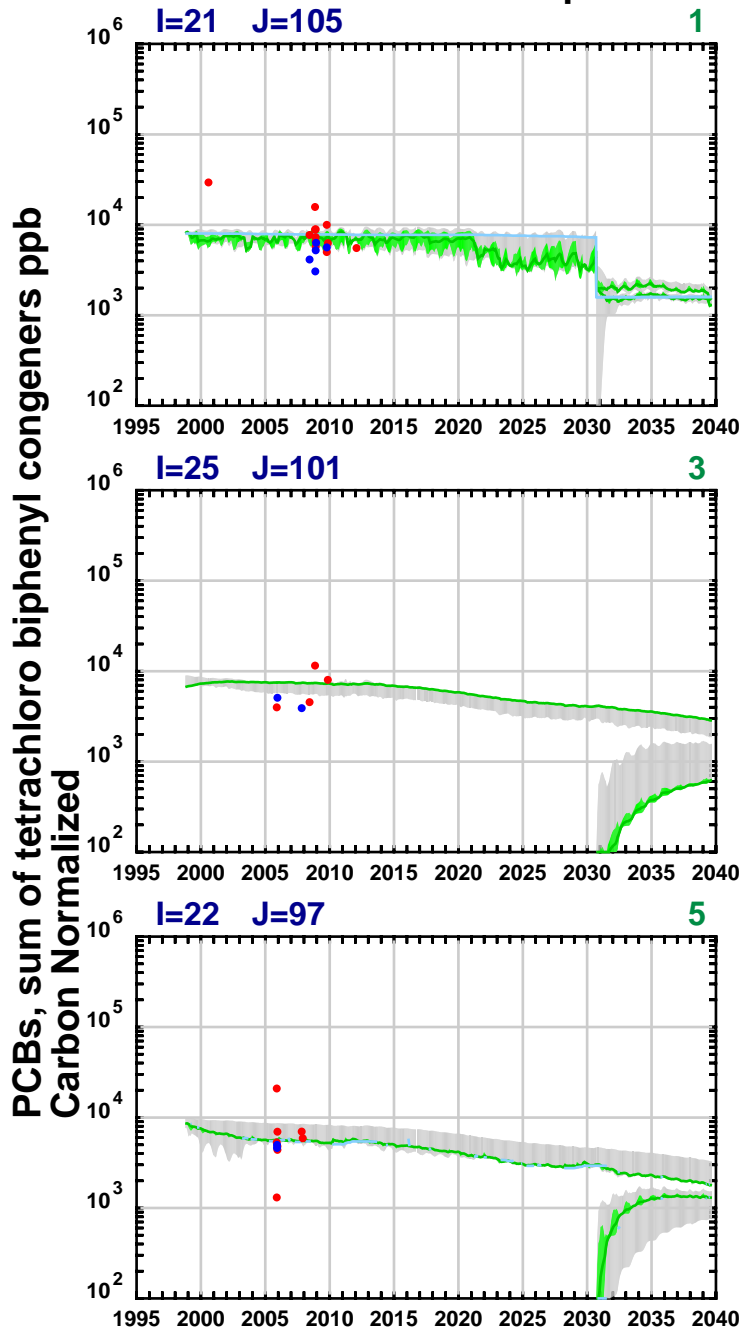


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

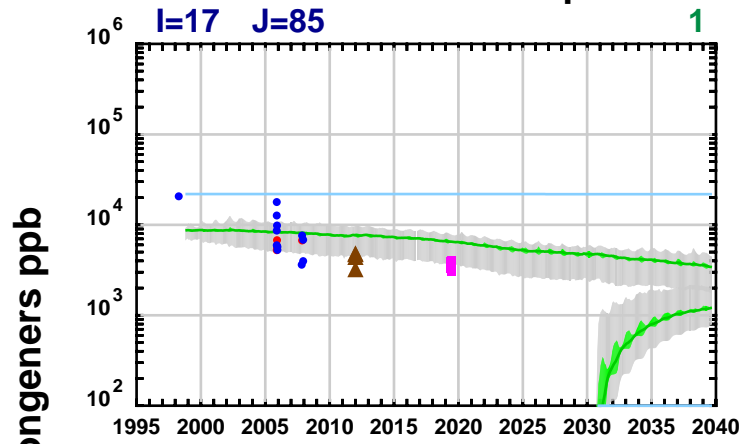


RUN18_PROJ01_PROJ02_R1

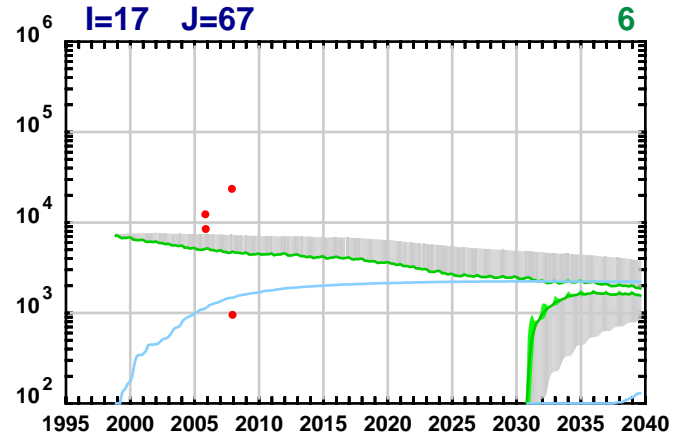
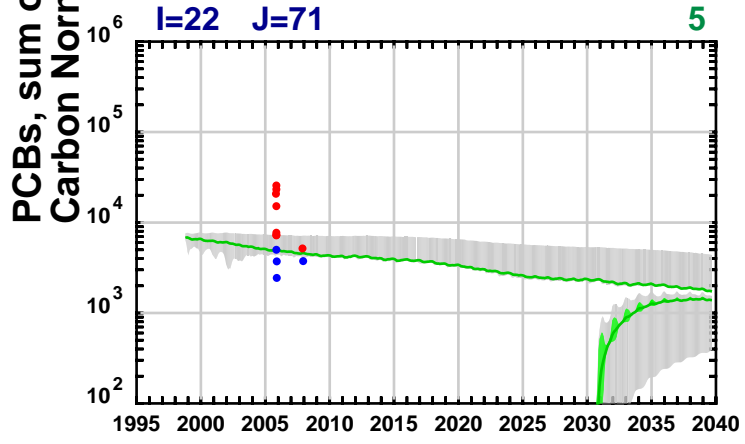
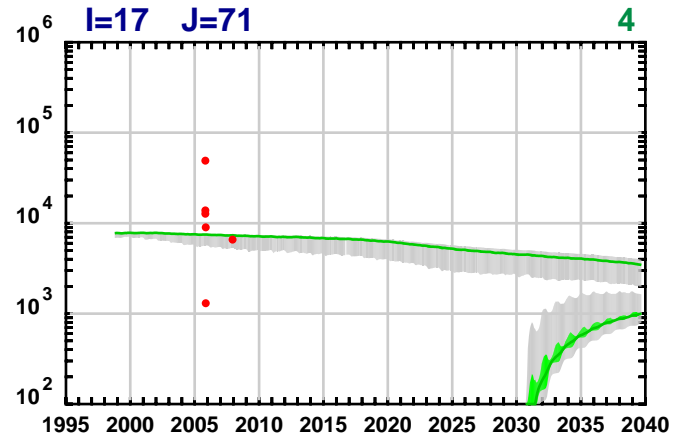
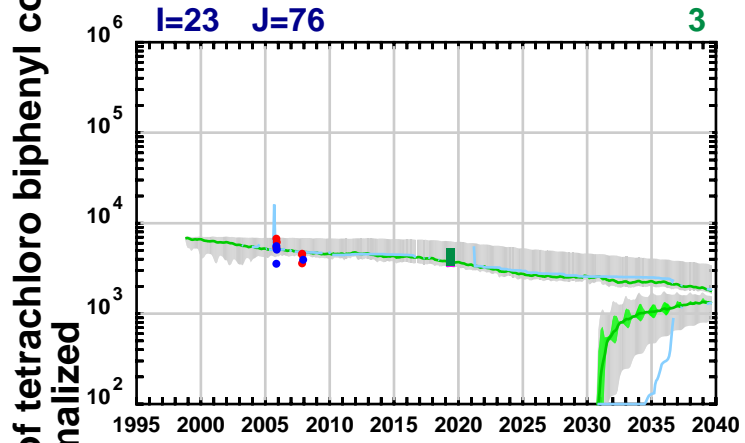
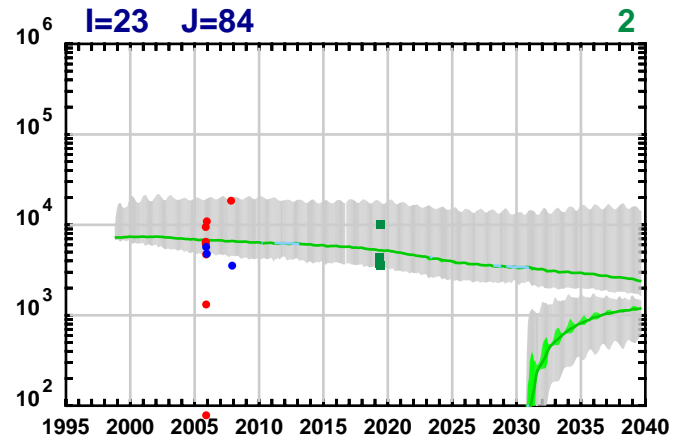
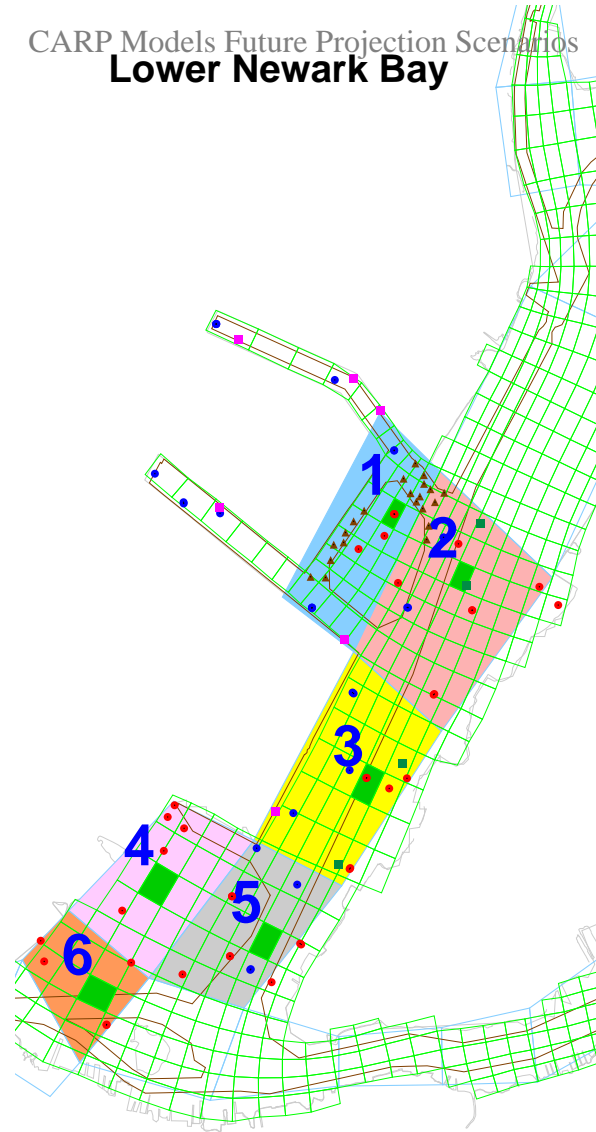
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-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



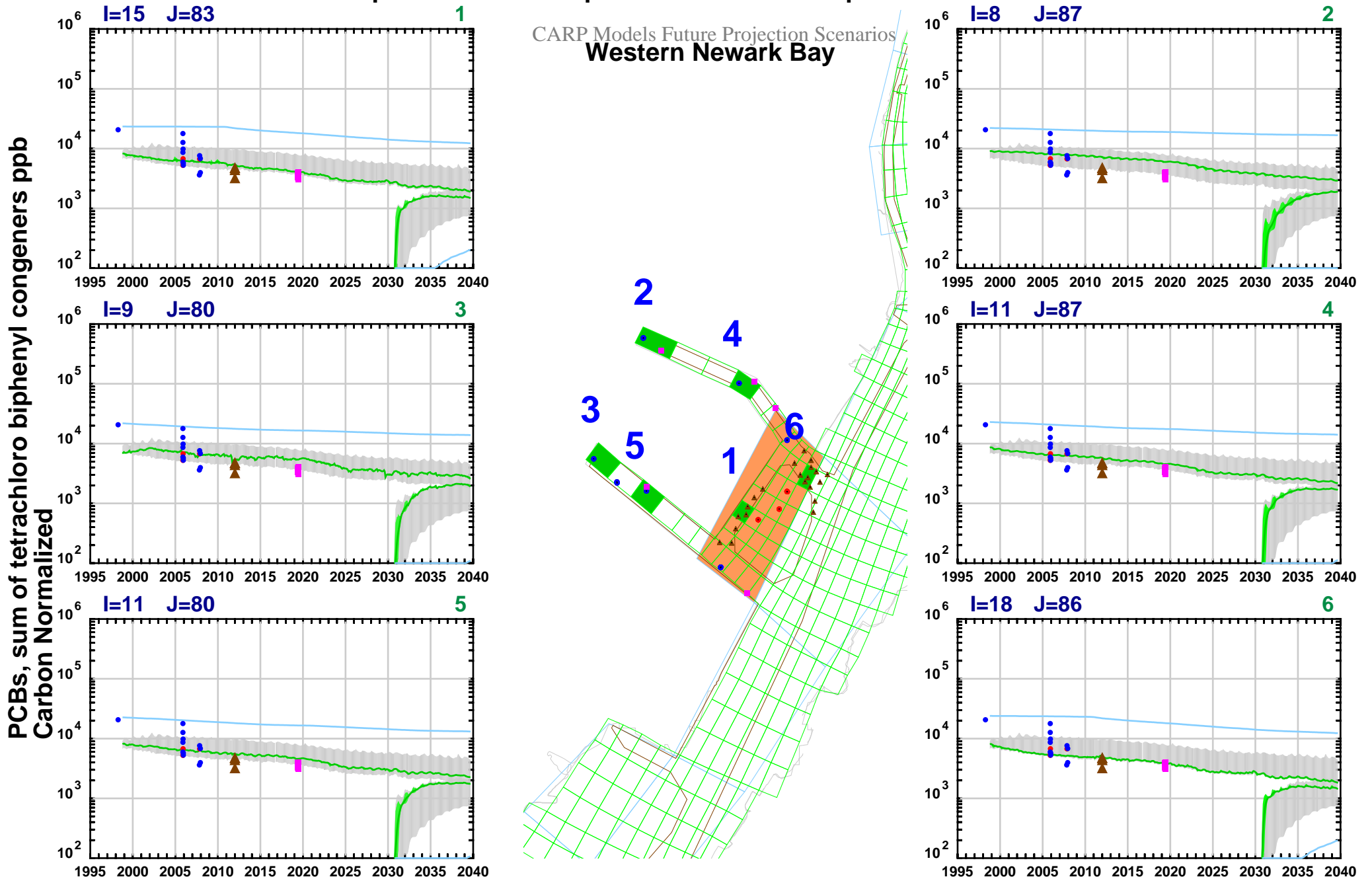
RUN18_PROJ01_PROJ02_R1

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

● In-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



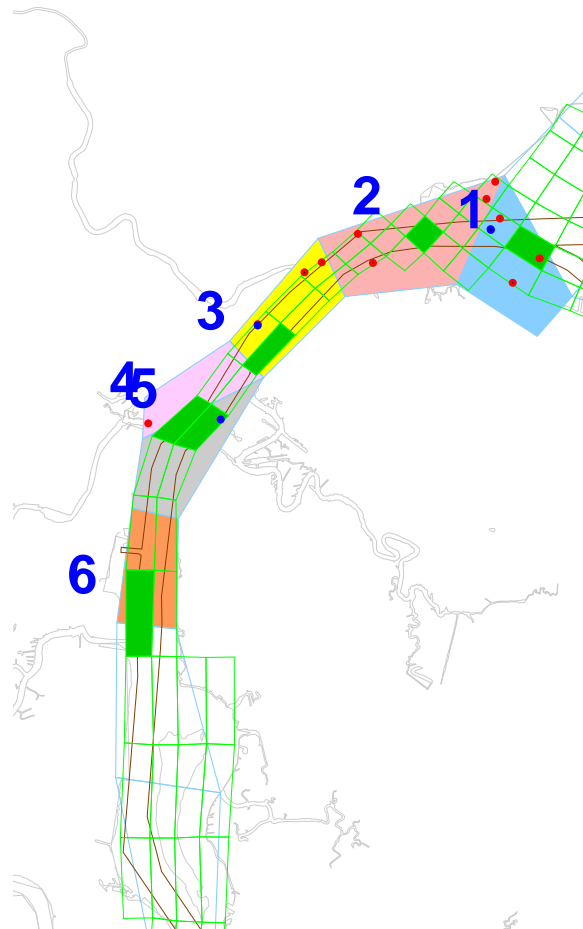
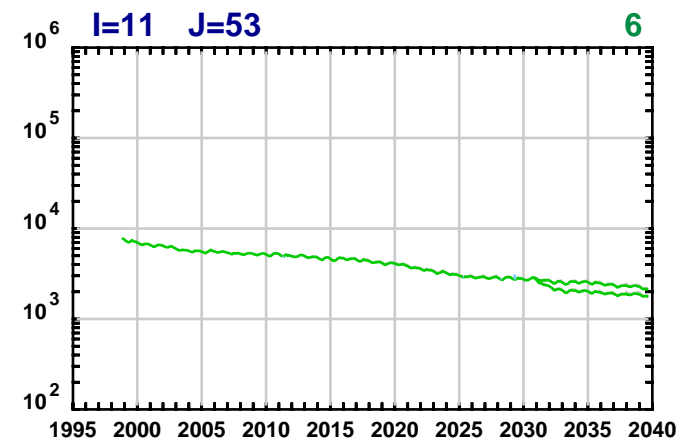
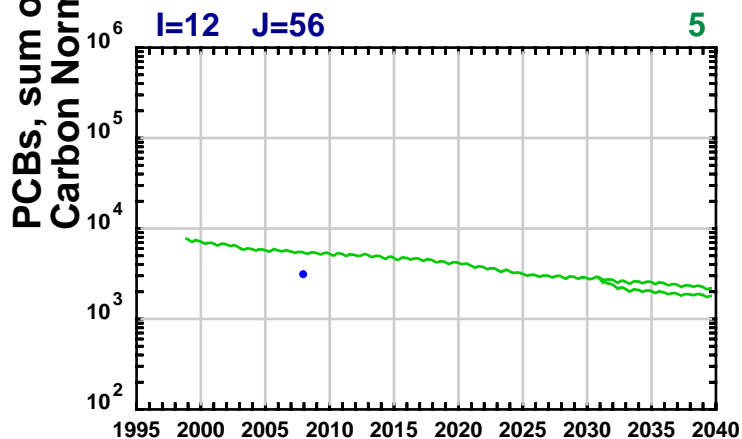
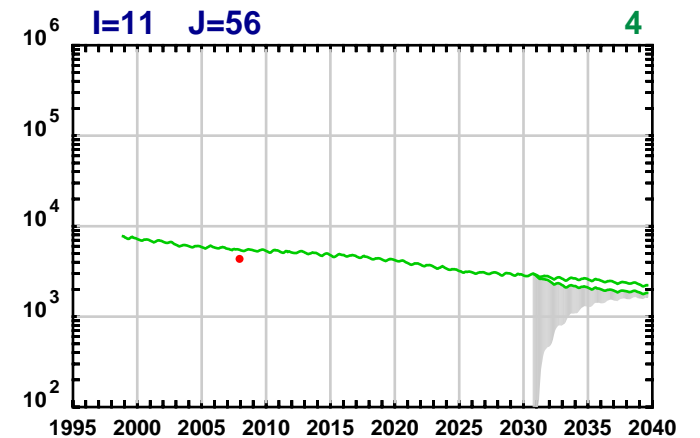
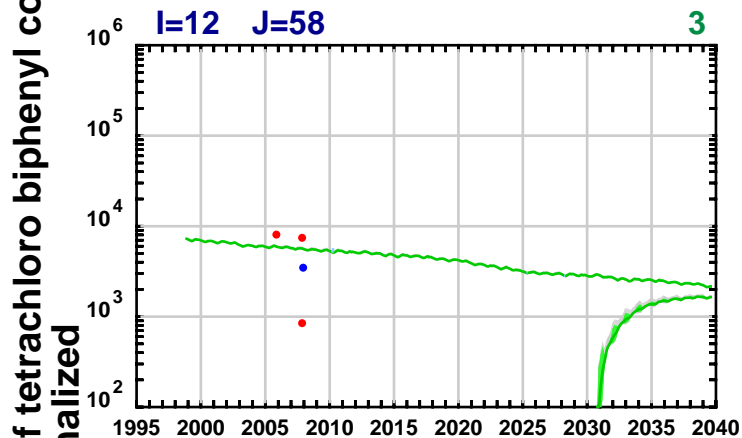
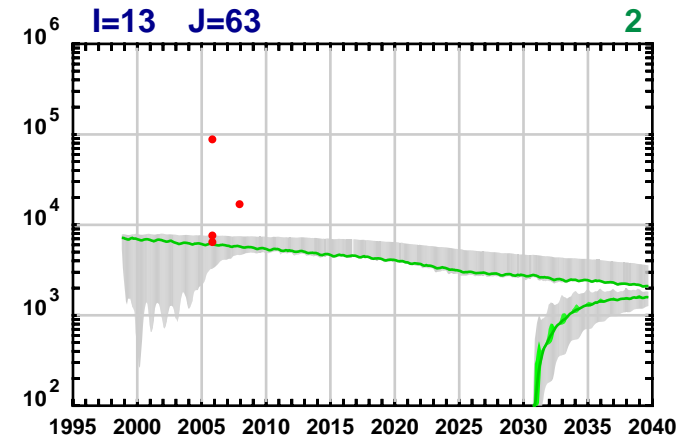
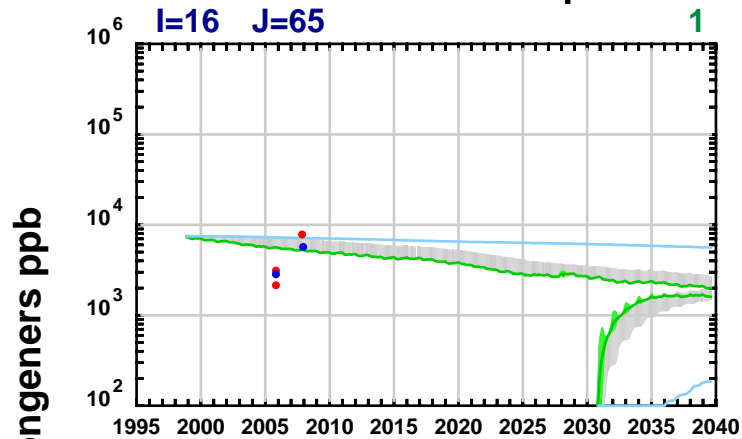
RUN18_PROJ01_PROJ02_R1

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

● In-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

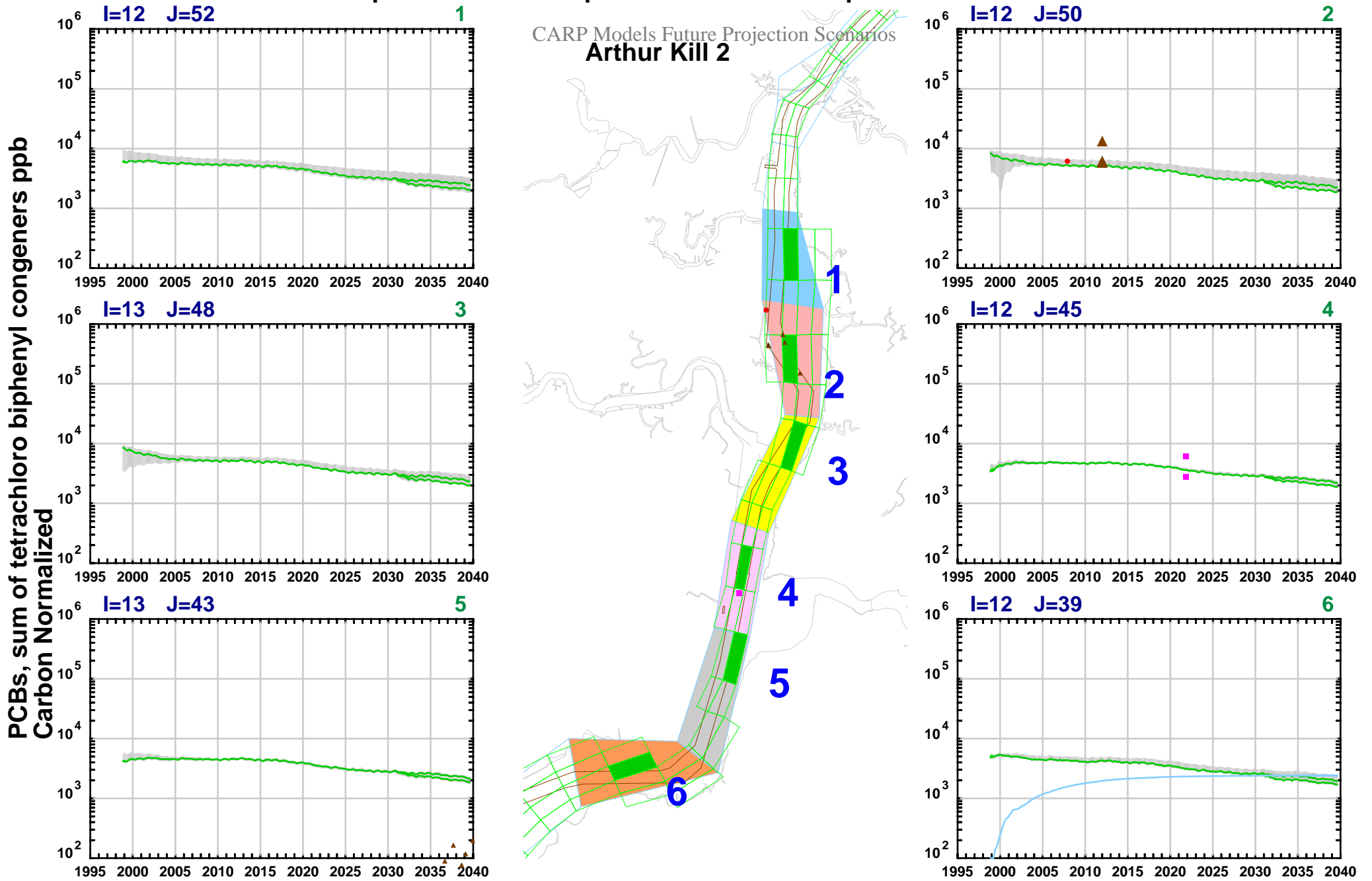


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

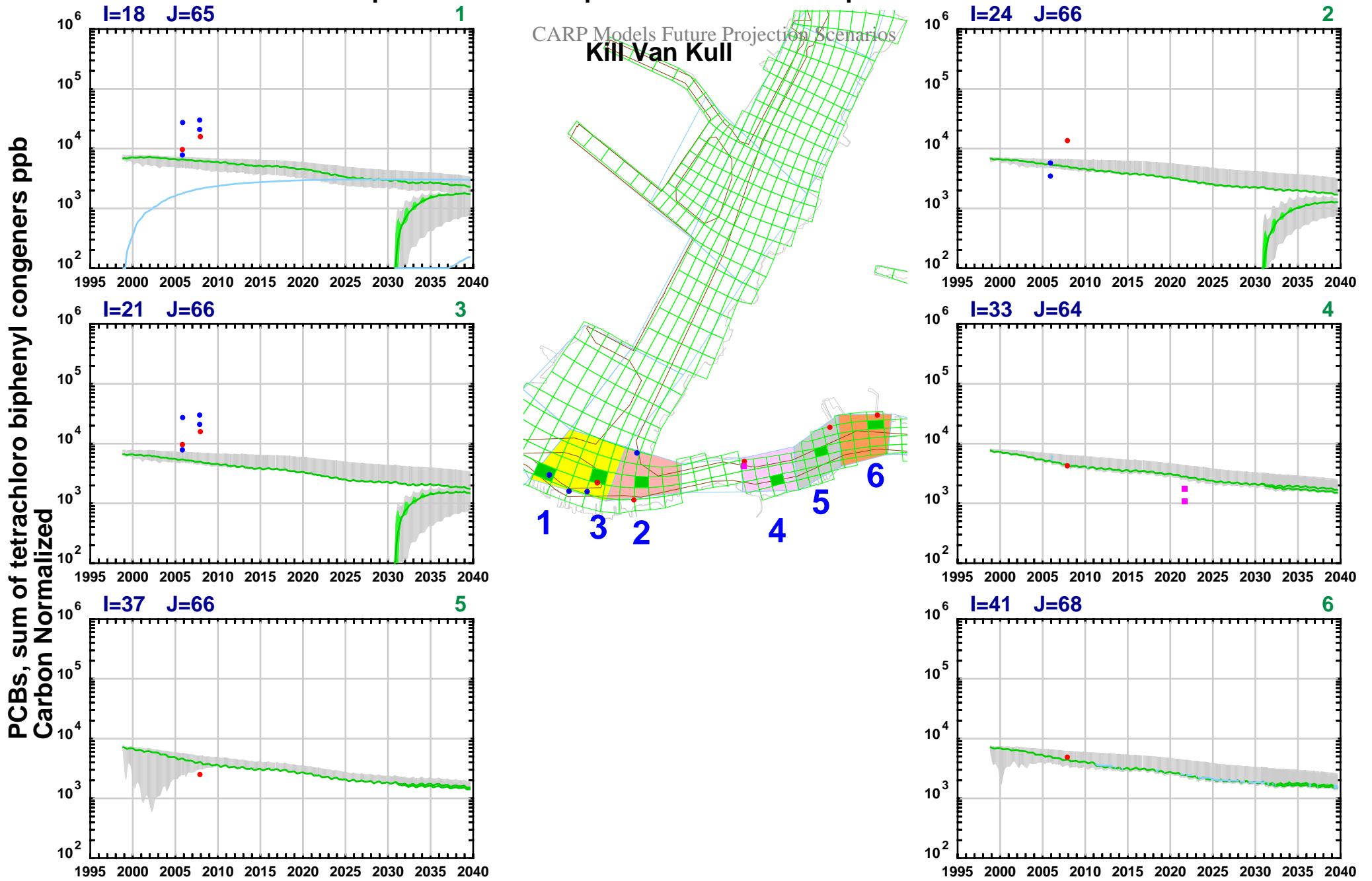


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

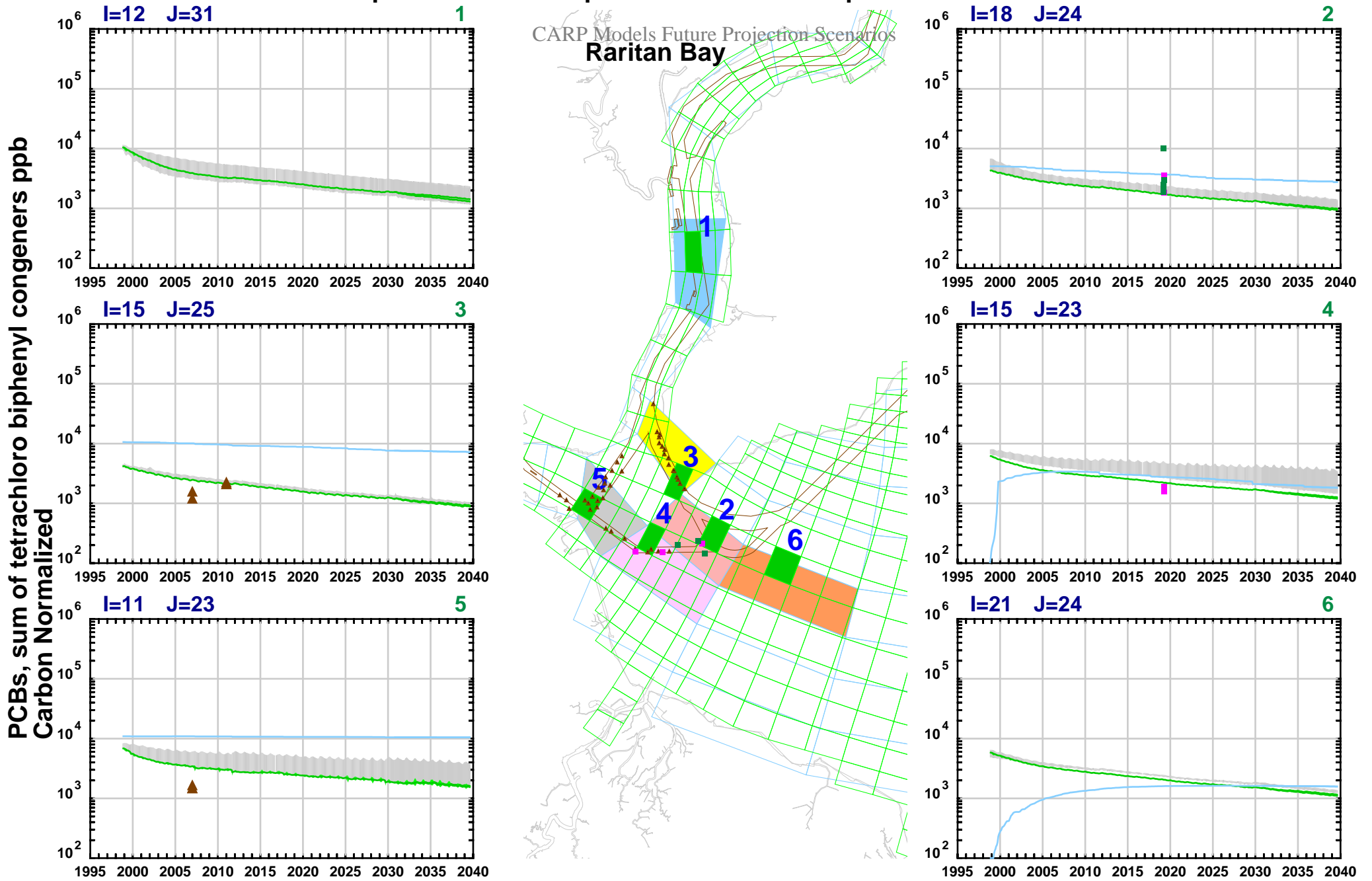


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

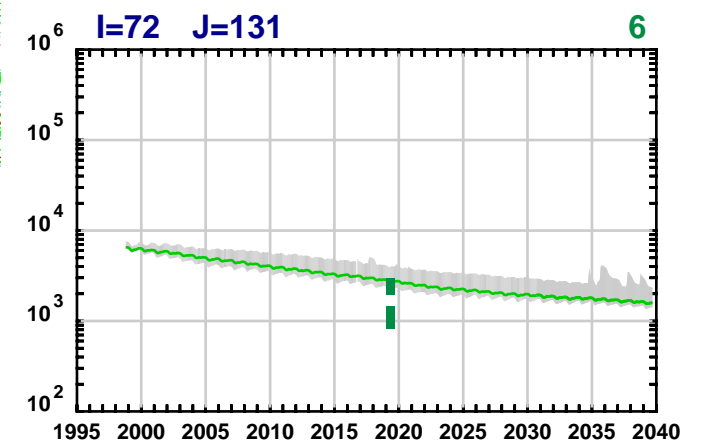
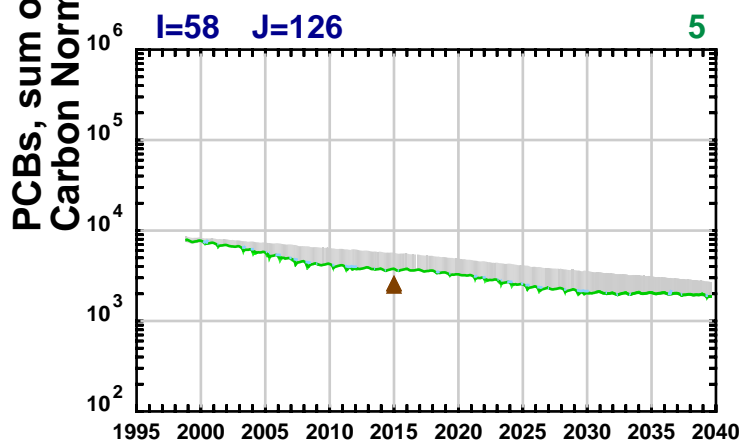
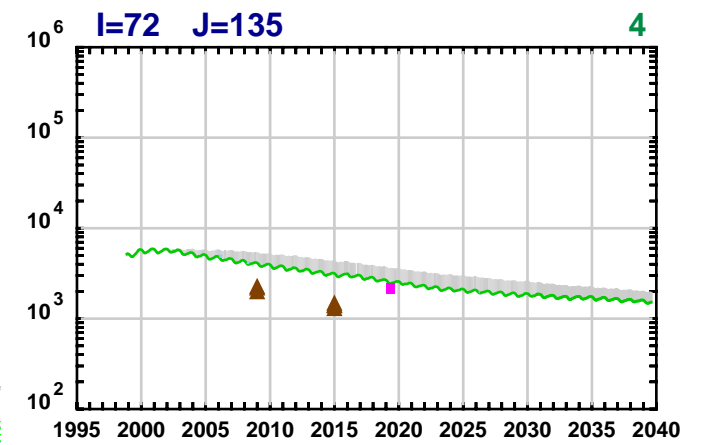
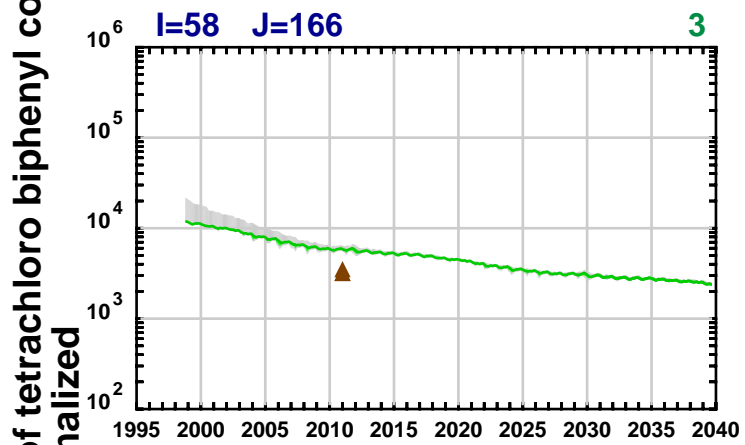
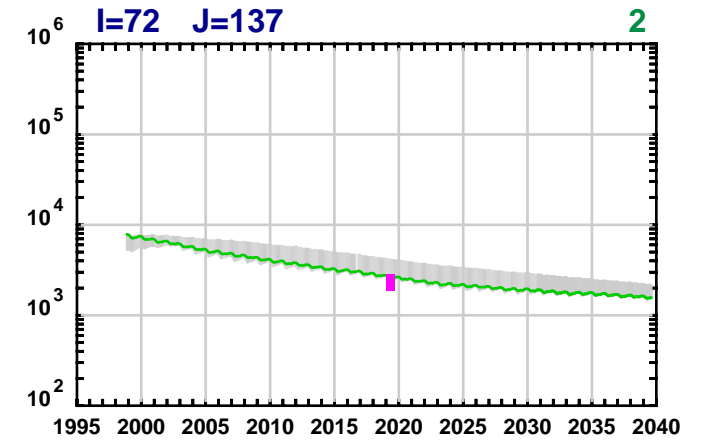
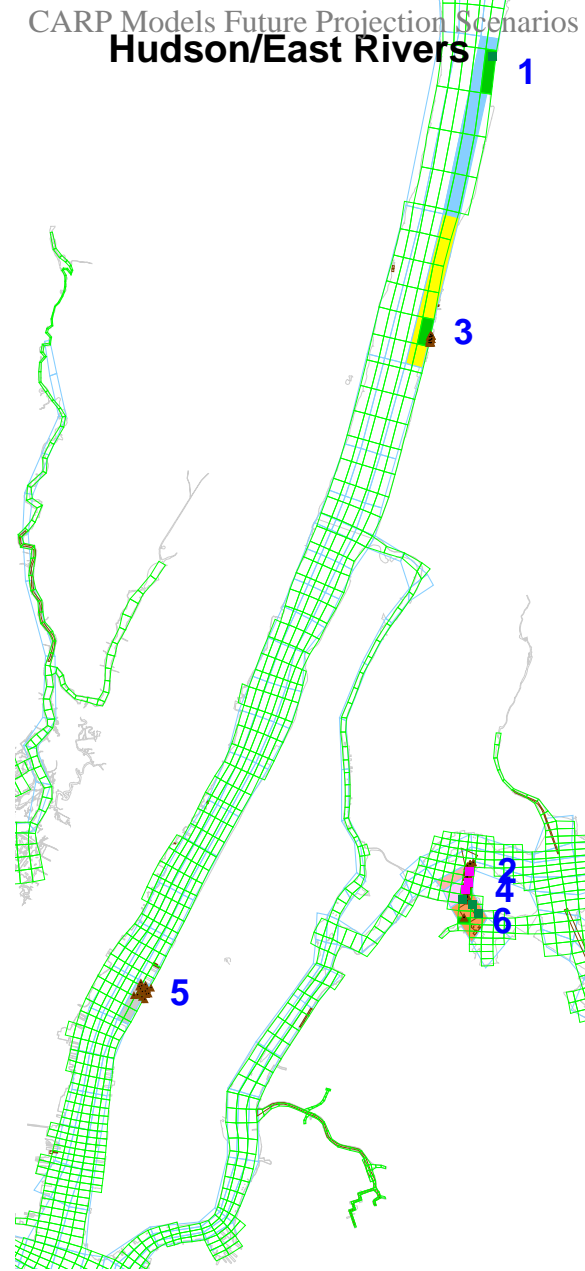
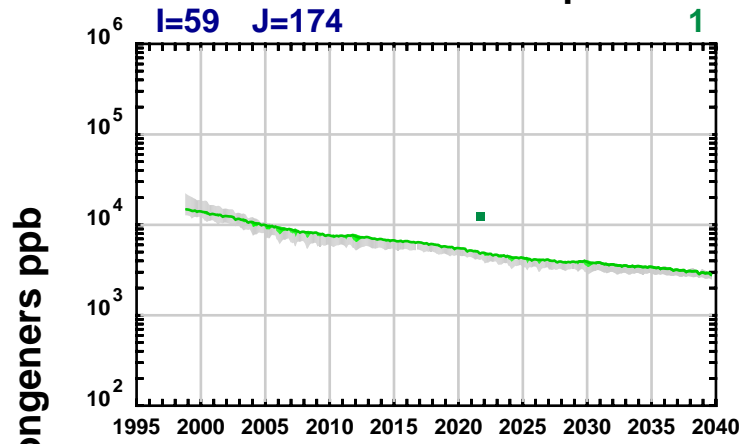


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

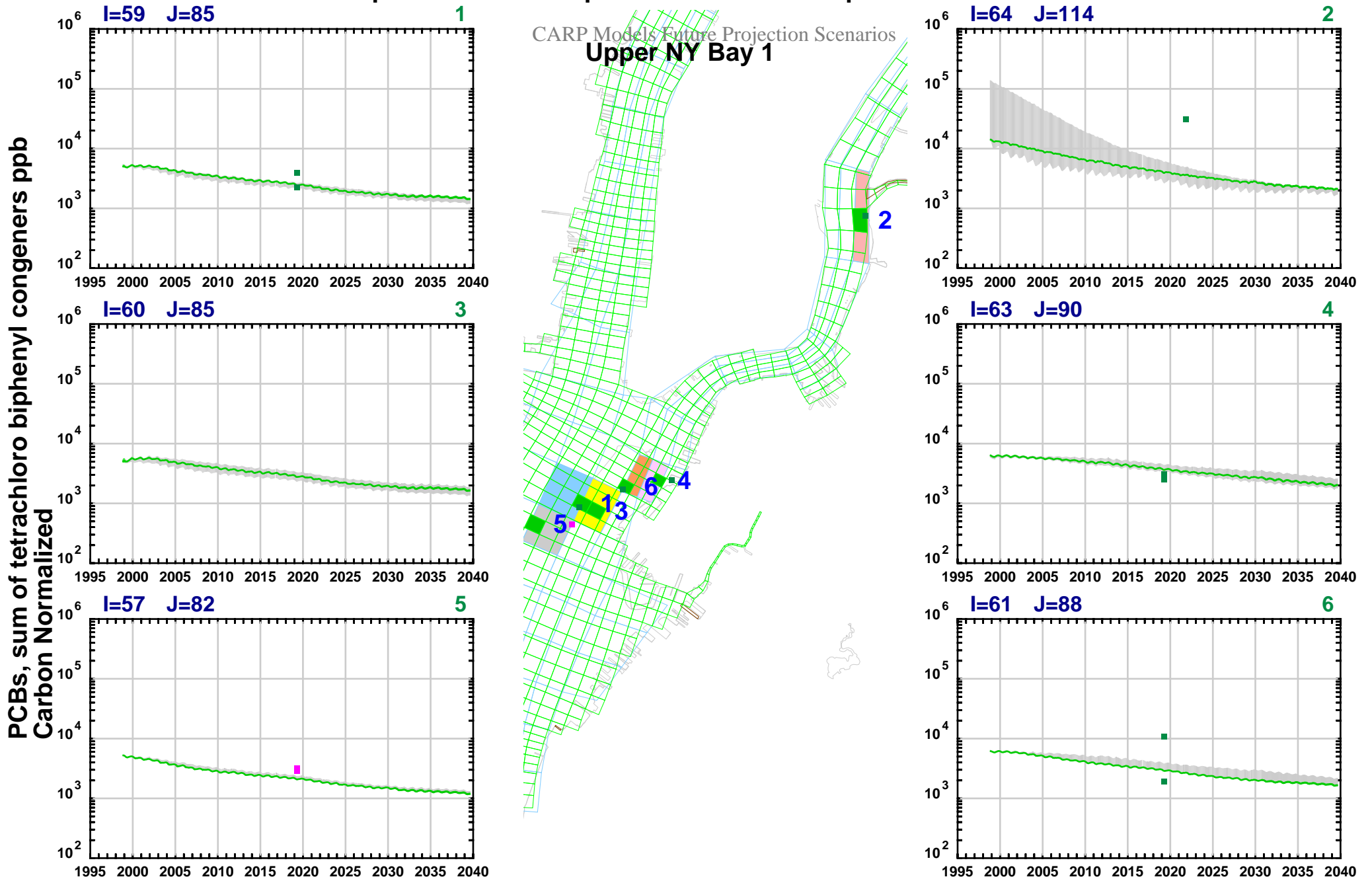


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

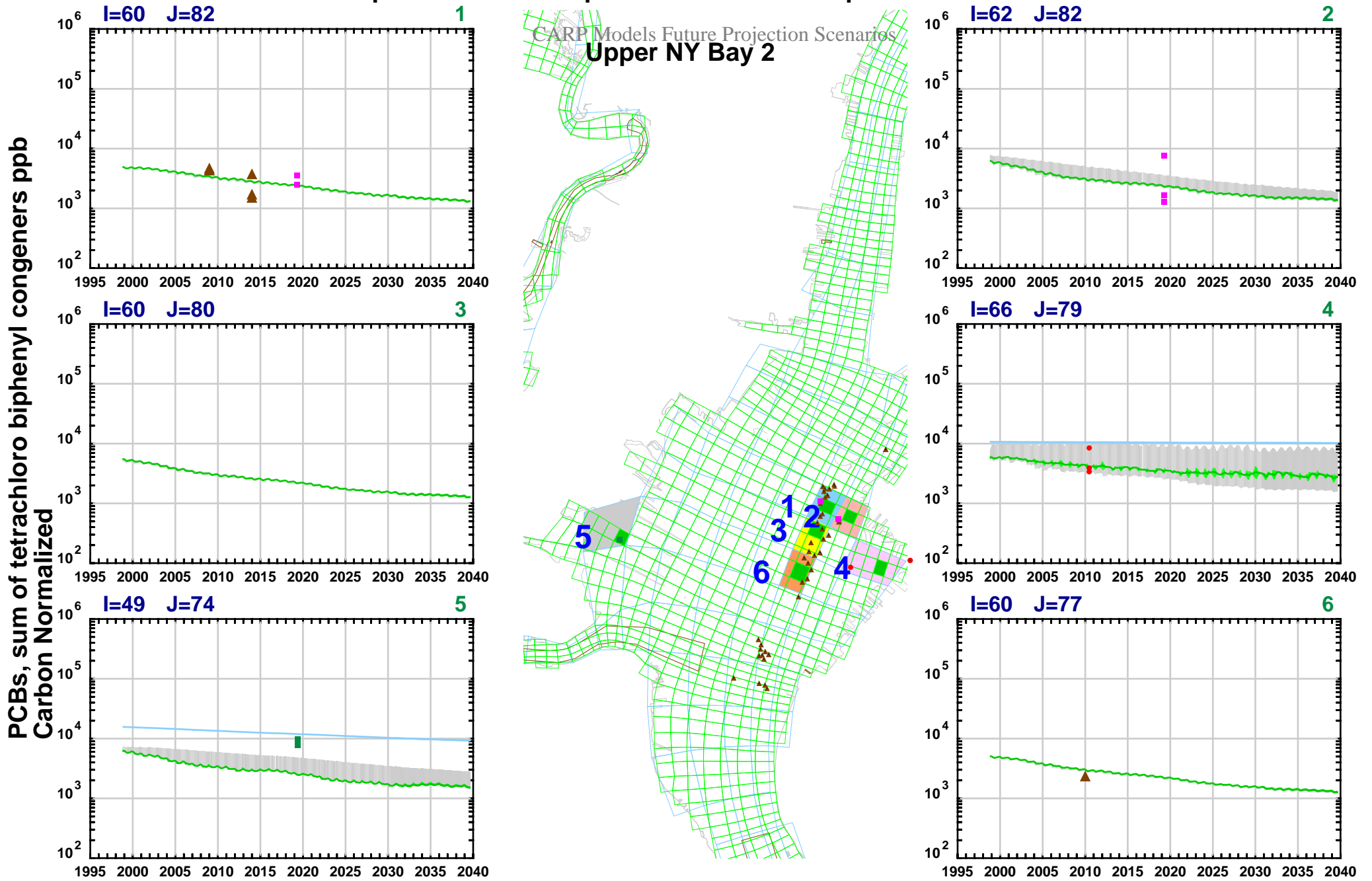


RUN18_PROJ01_PROJ02_R1

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

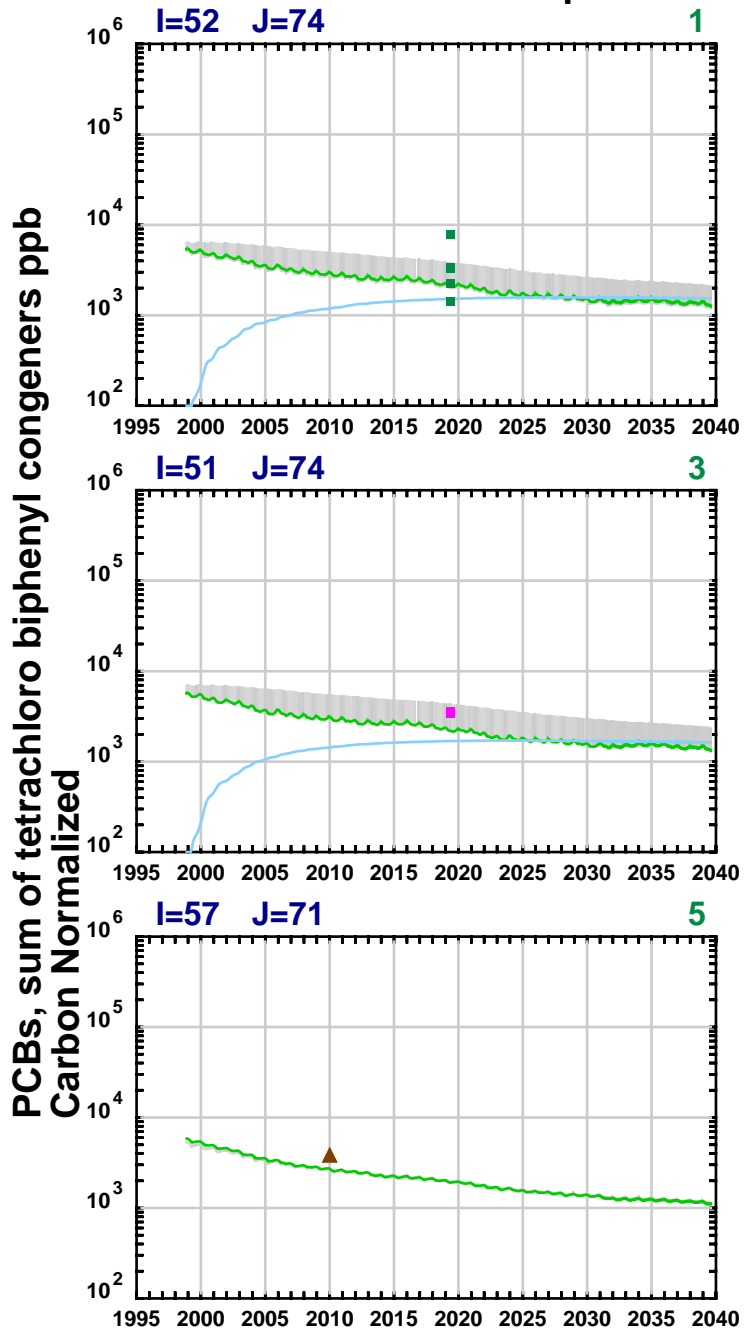
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment

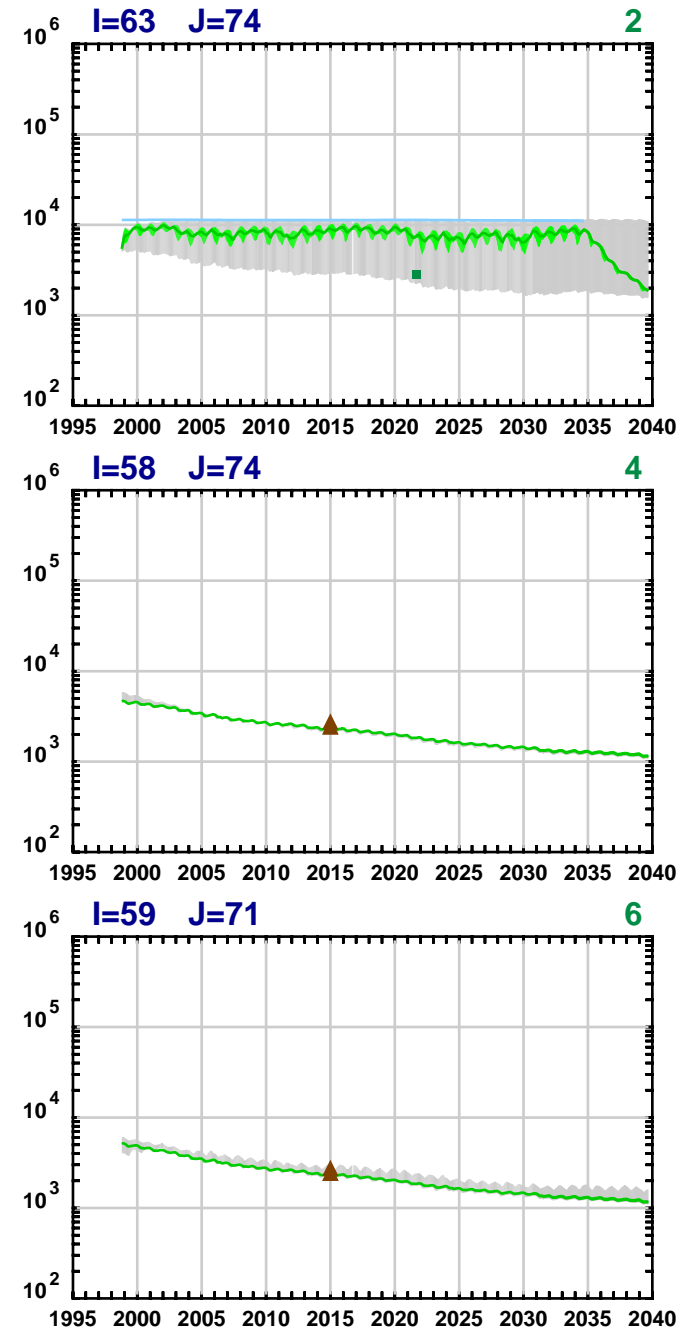
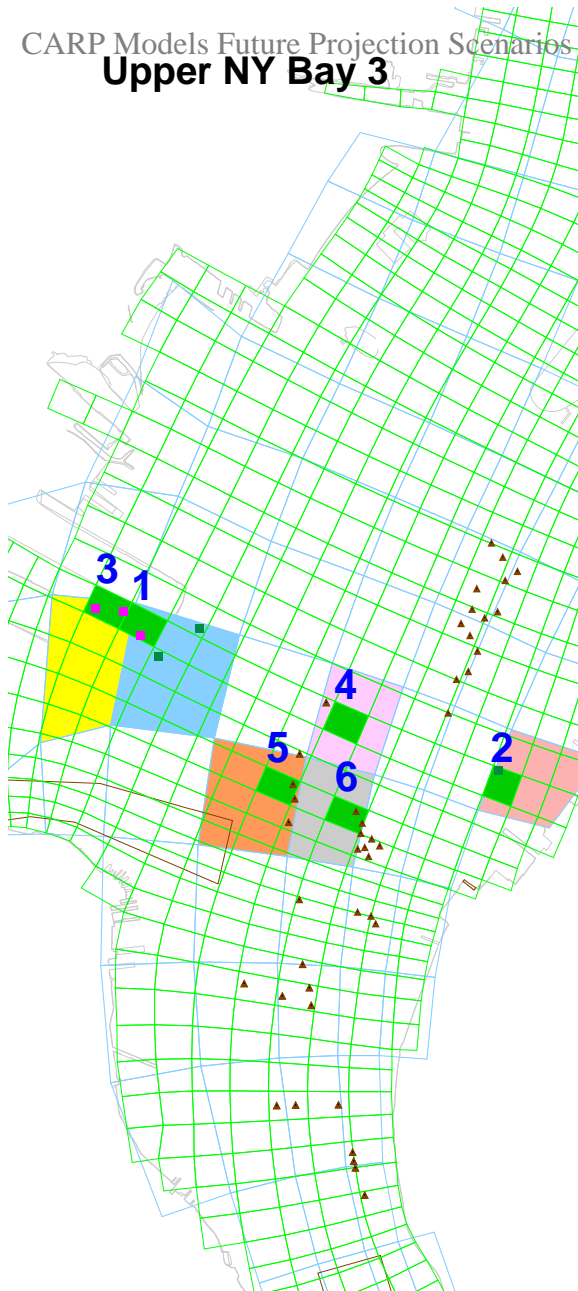


RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment



CARP Models Future Projection Scenarios Upper NY Bay 3

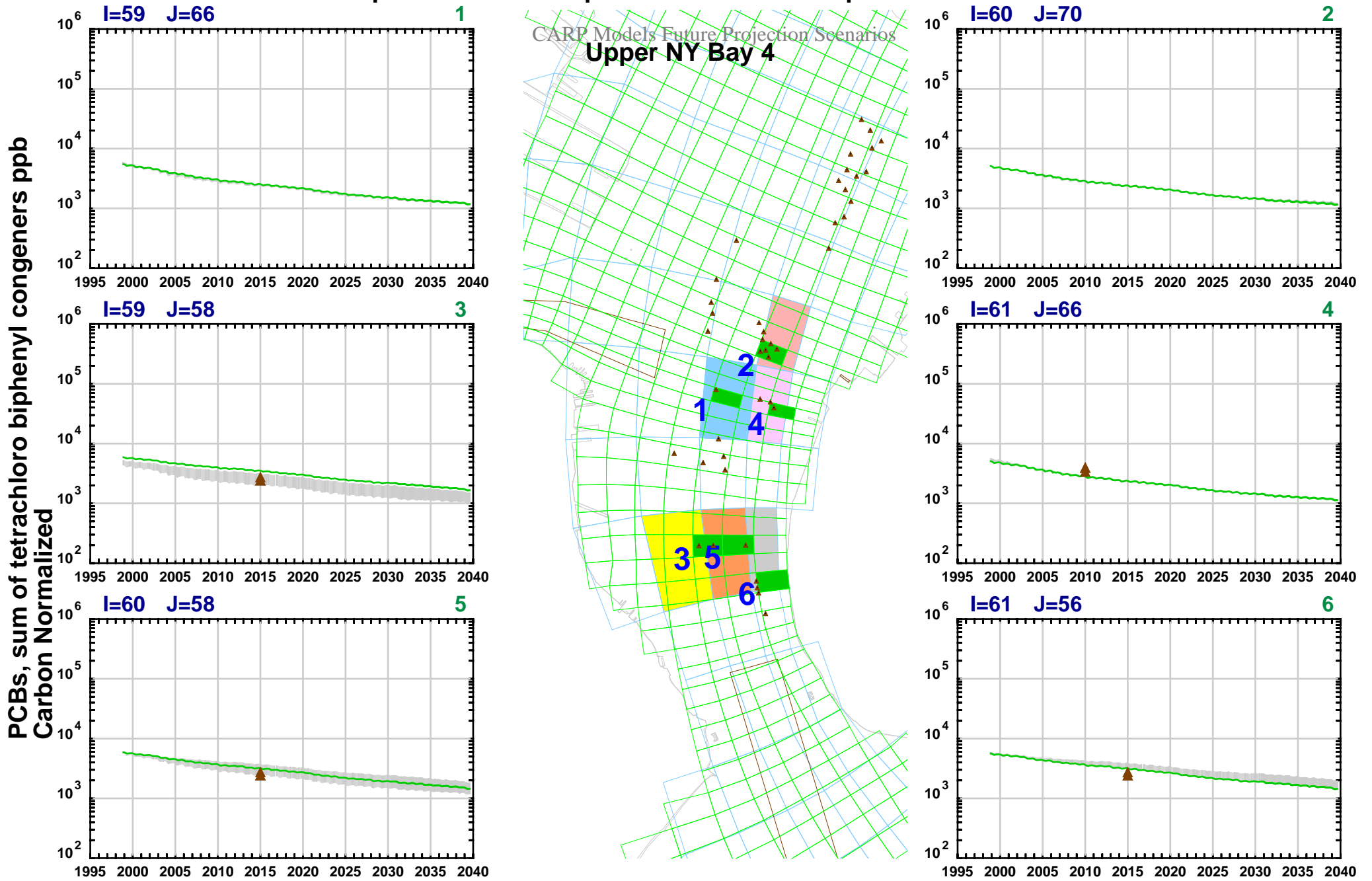


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

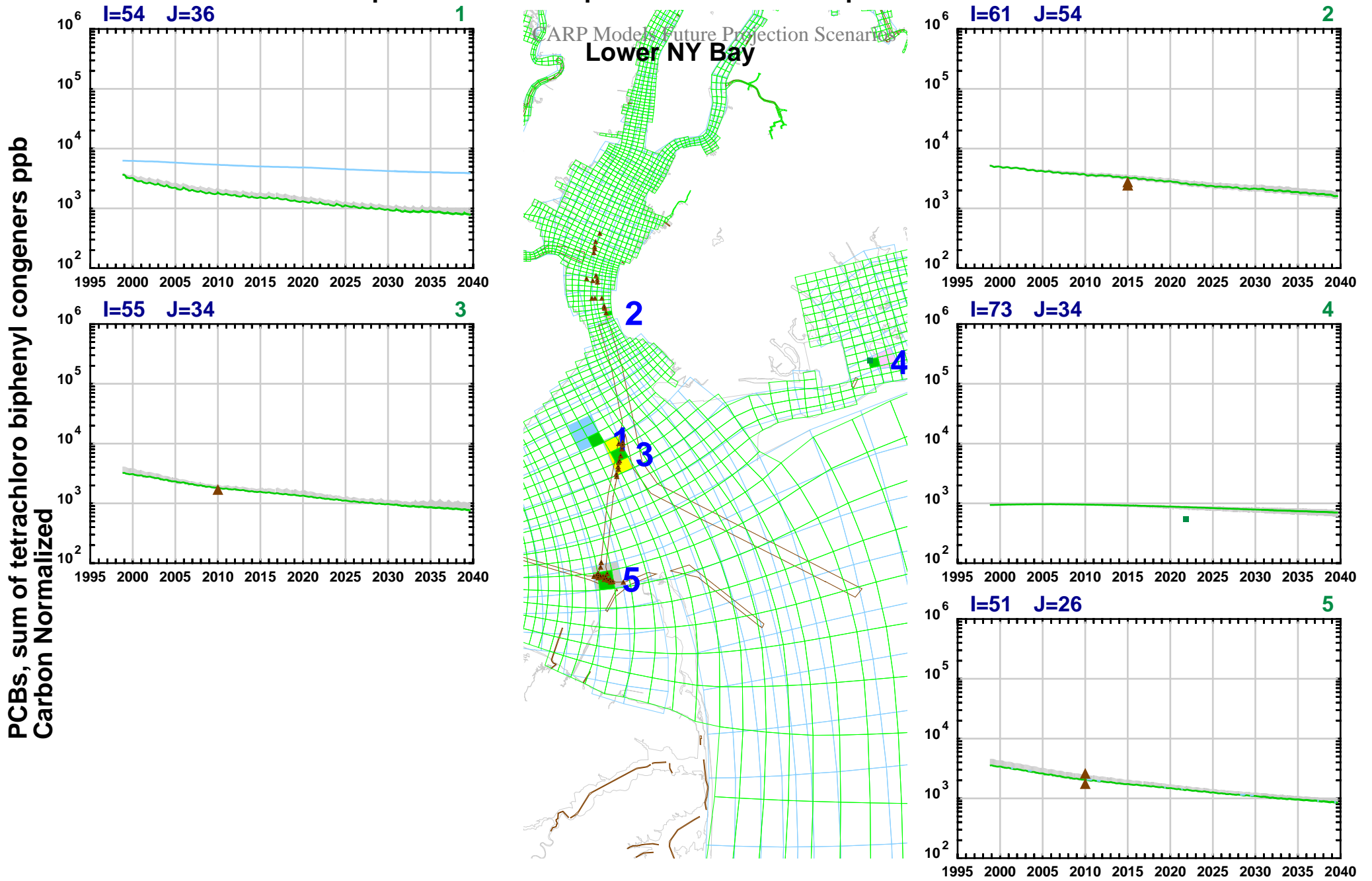


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



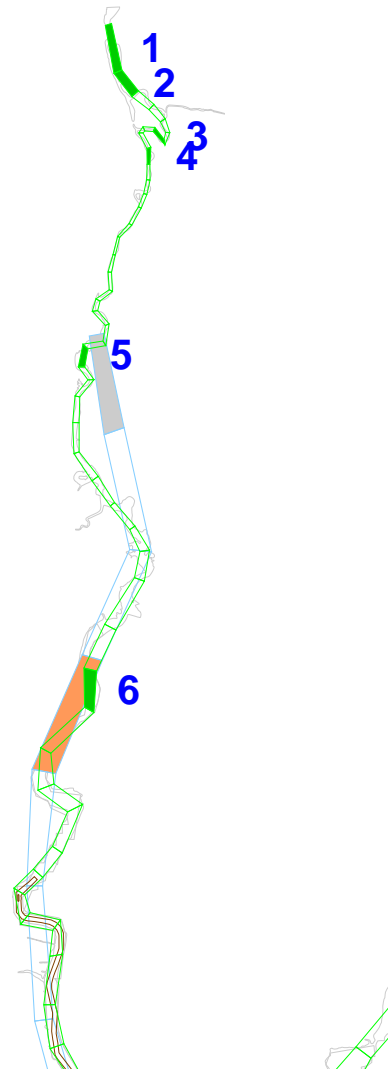
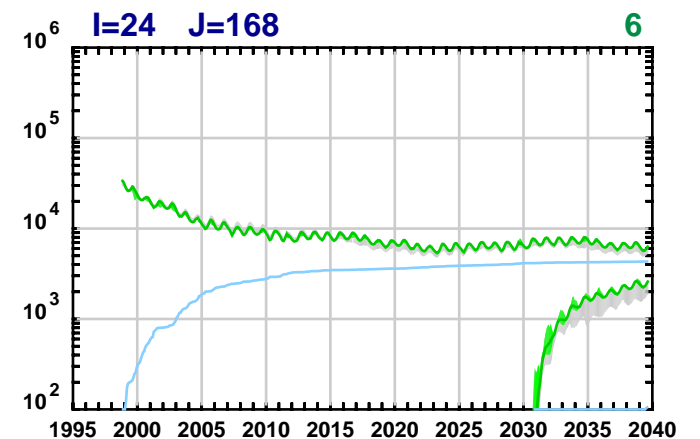
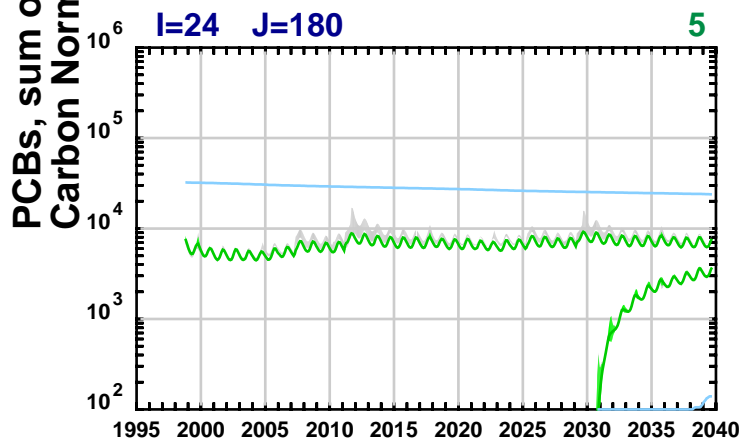
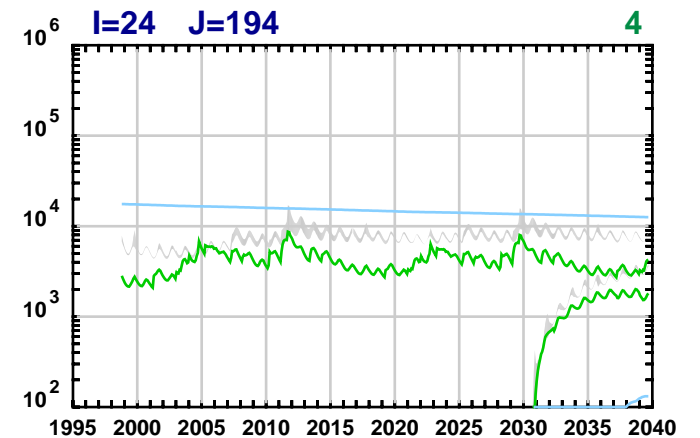
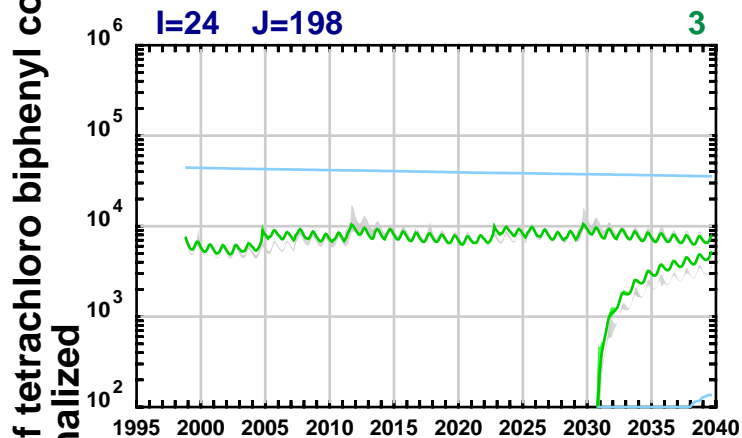
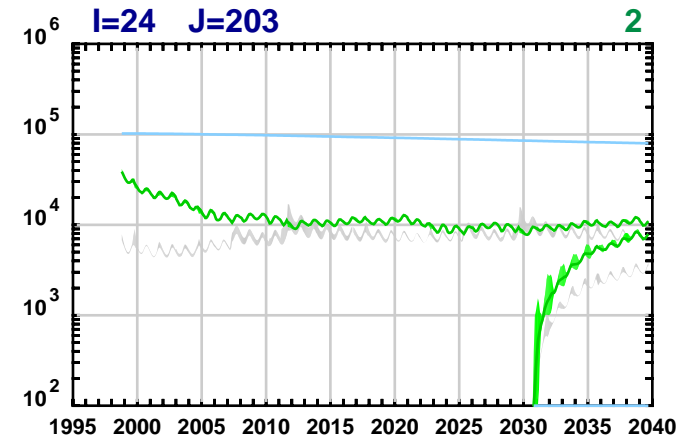
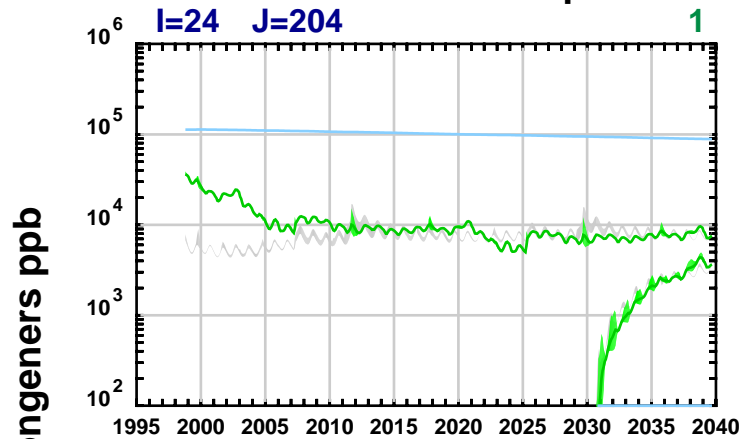
RUN18_PROJ01_PROJ02_R1

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

● In-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



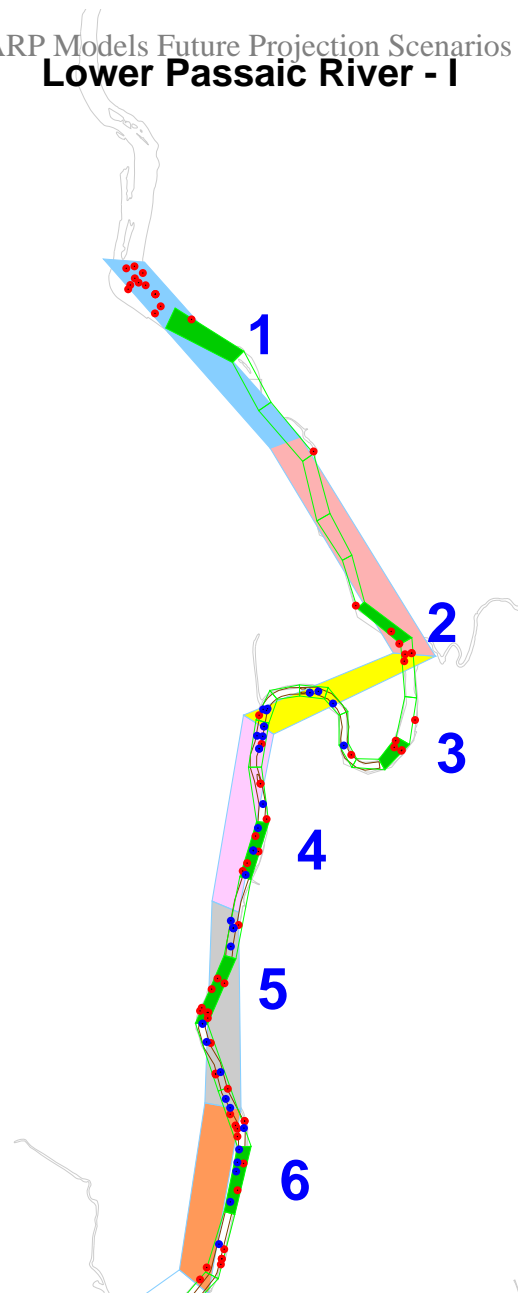
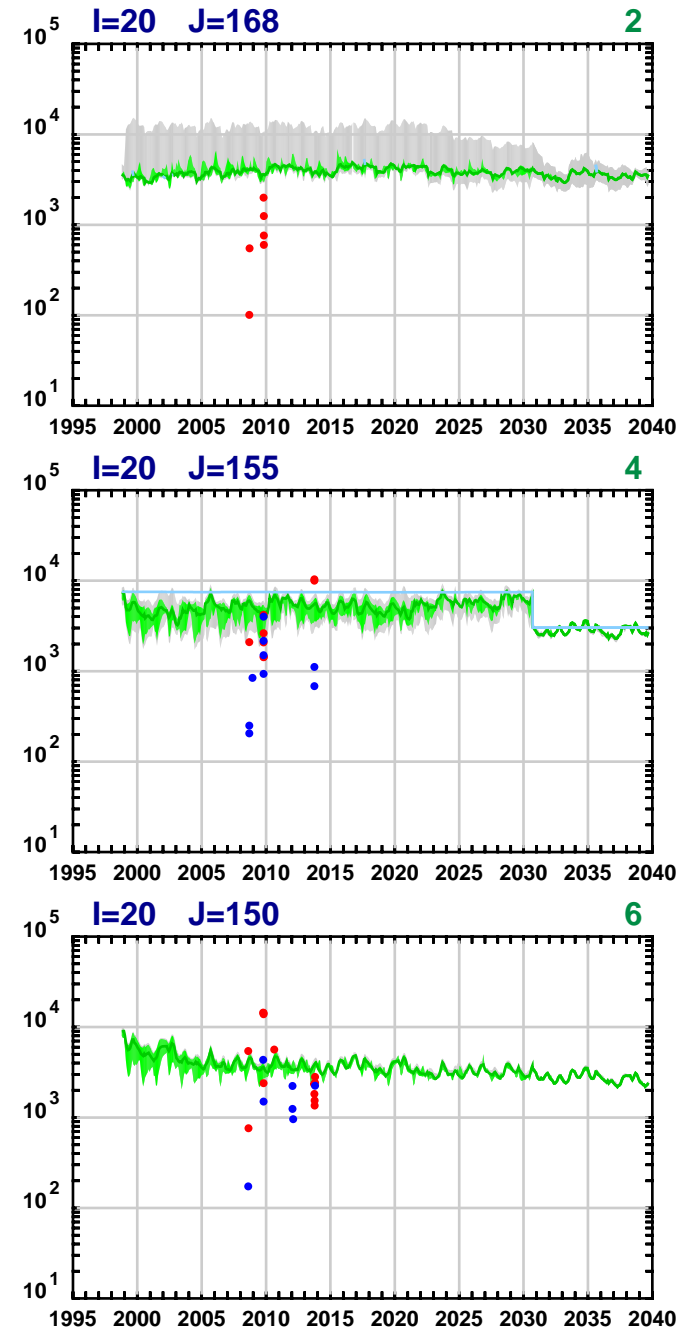
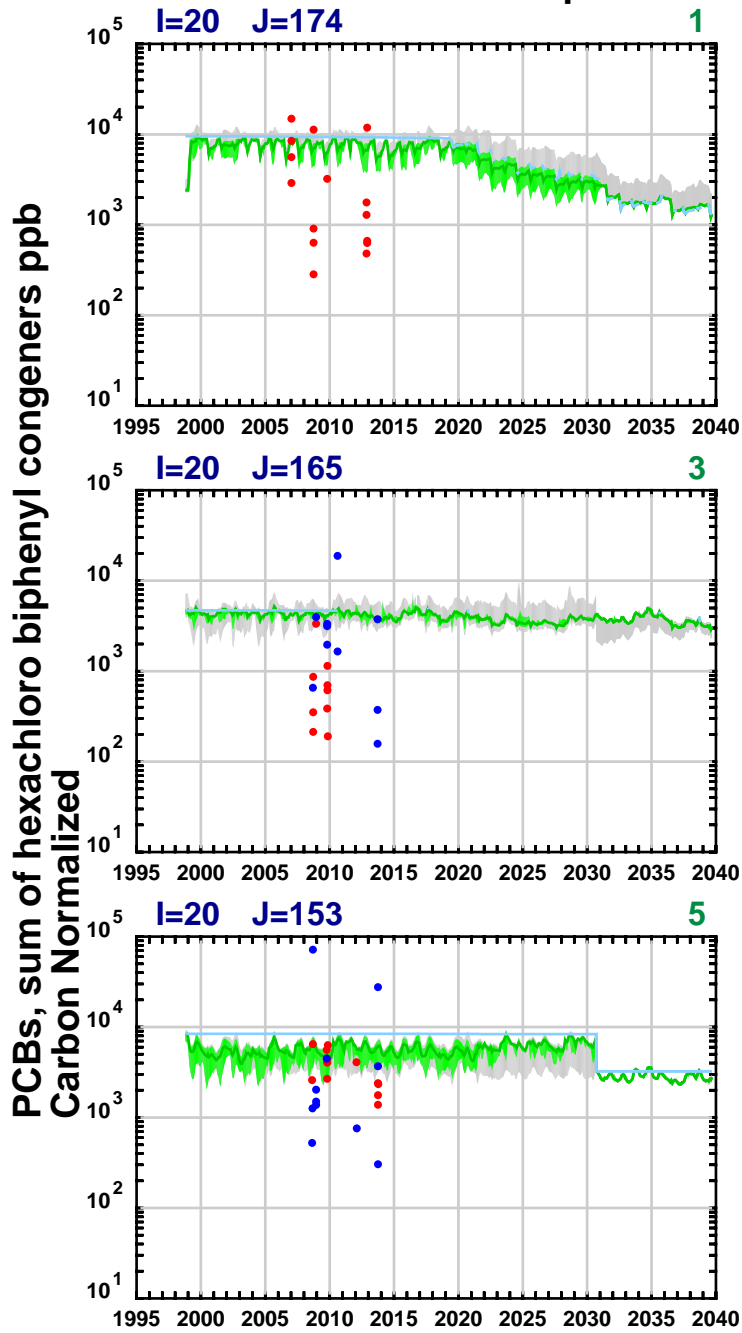
RUN18_PROJ01_PROJ02_R1

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

● In-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

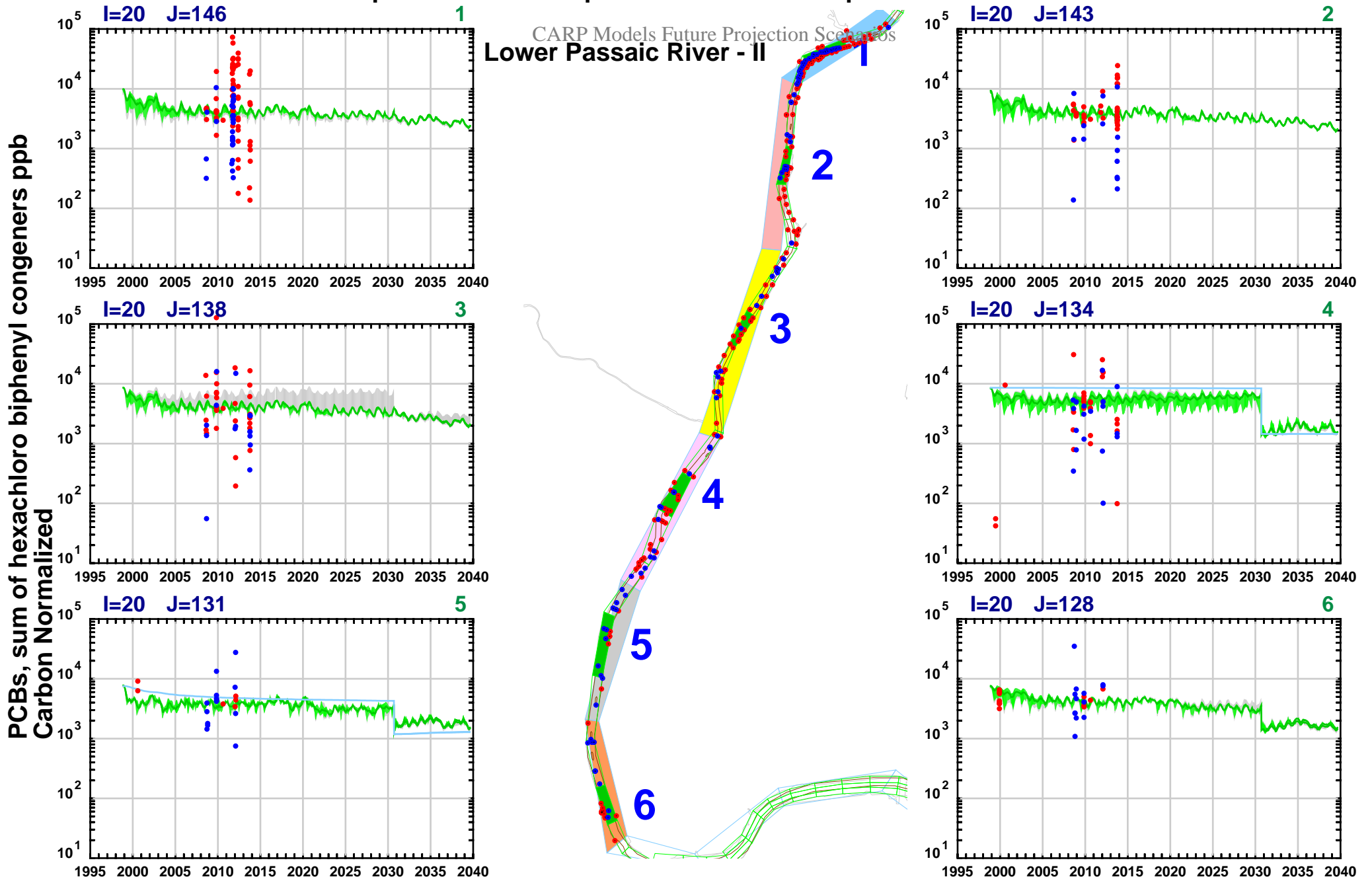


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

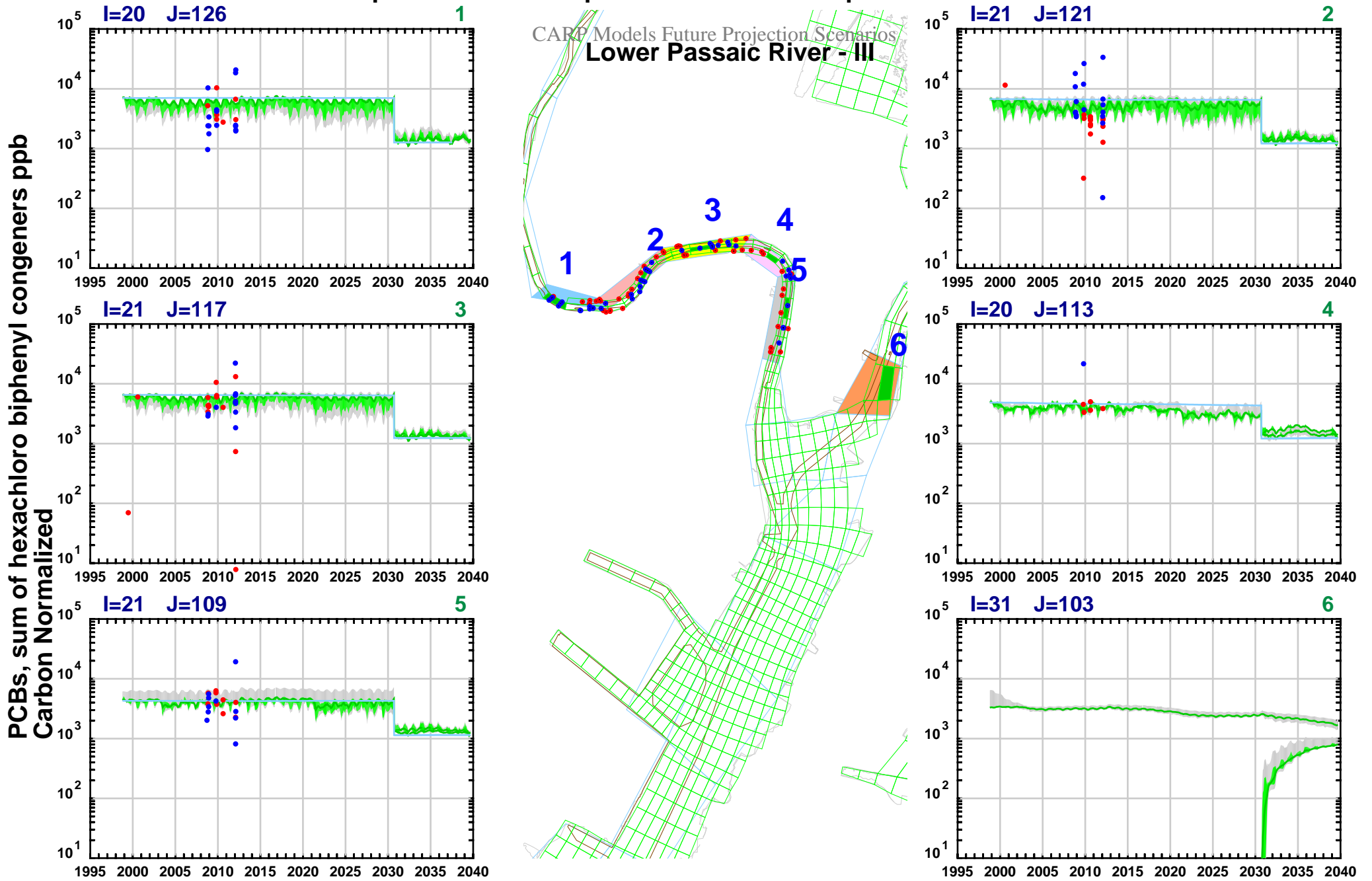


RUN18_PROJ01_PROJ02_R1

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

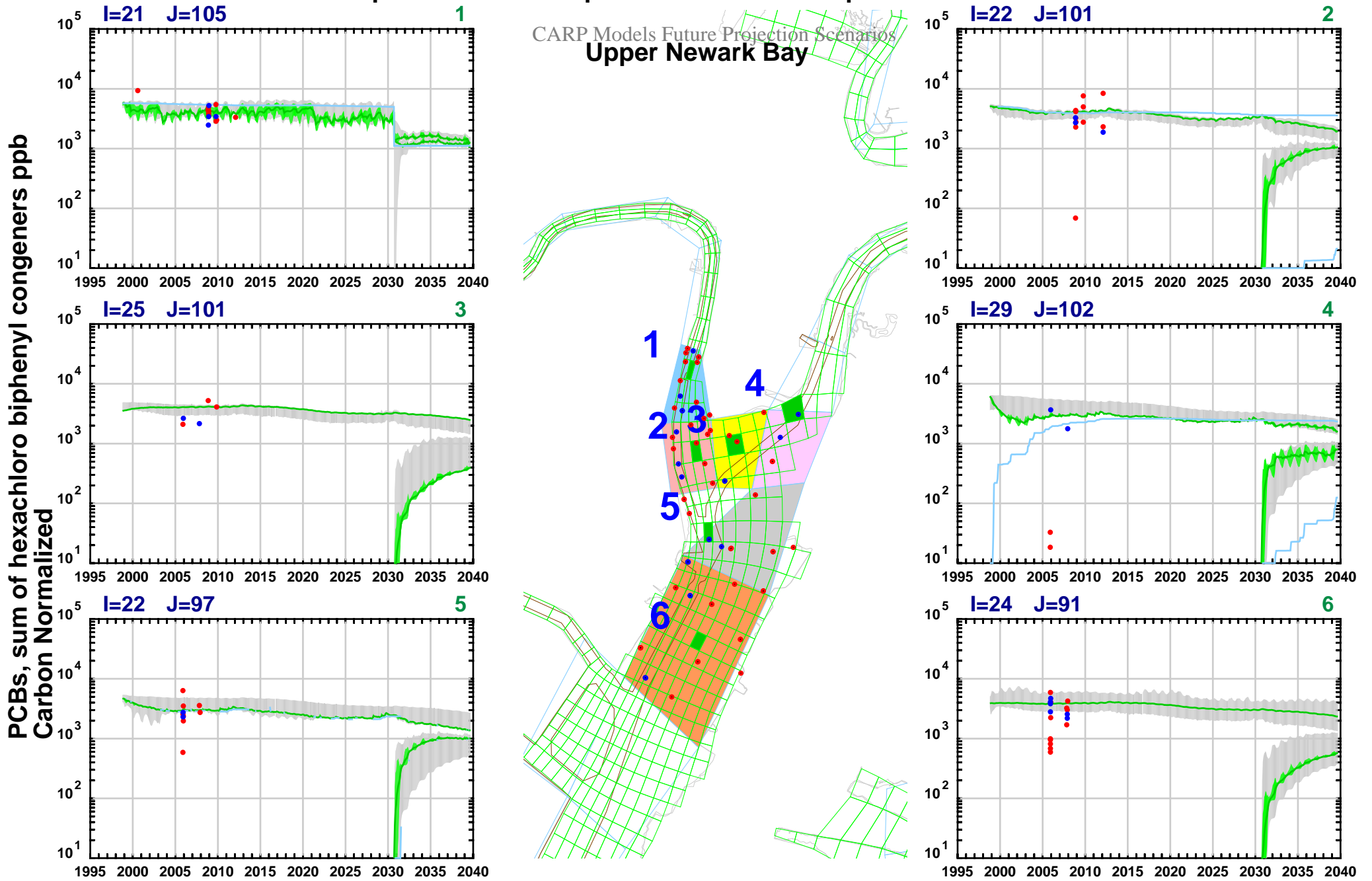
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

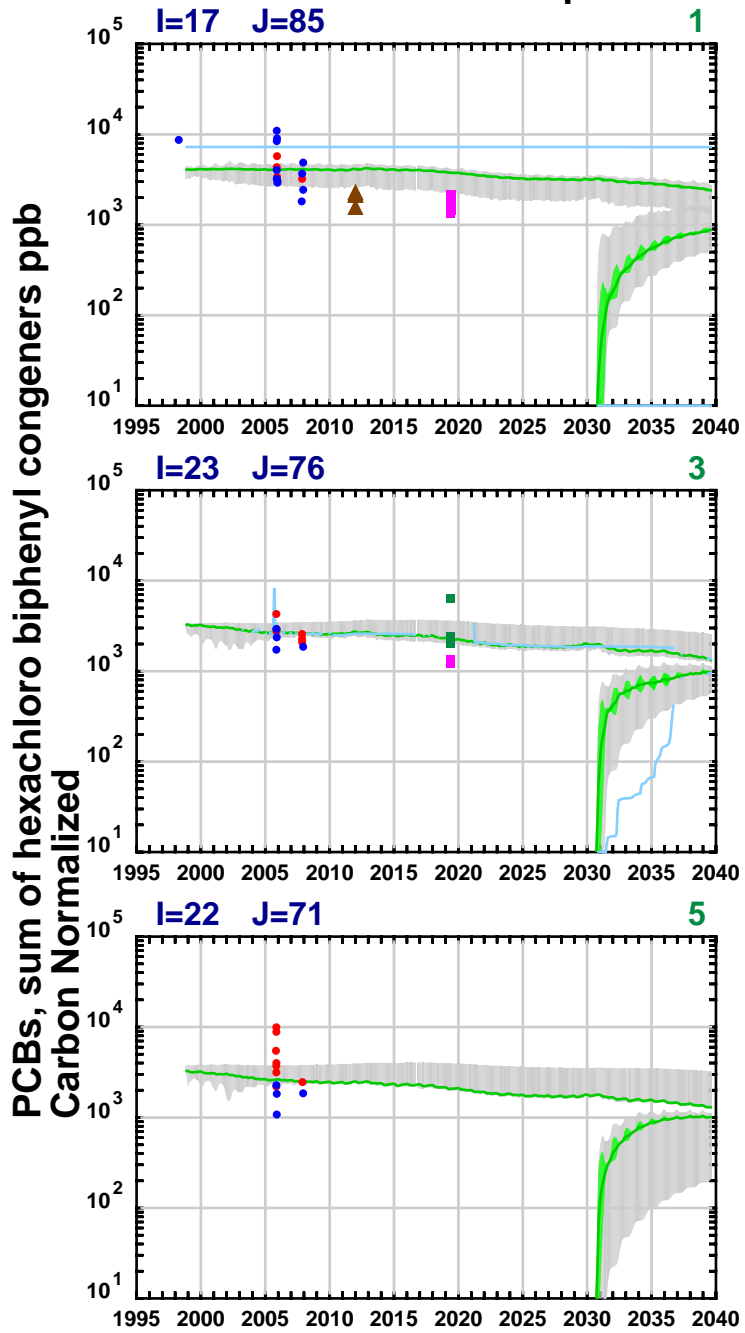


RUN18_PROJ01_PROJ02_R1

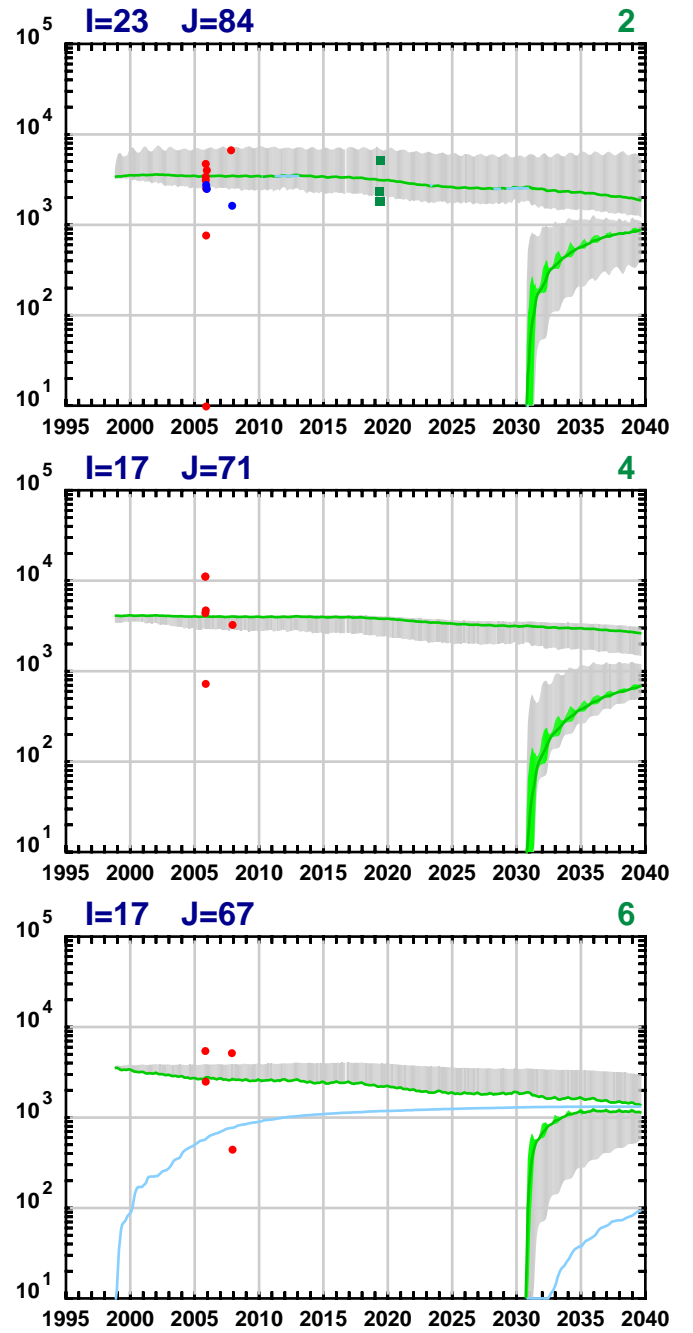
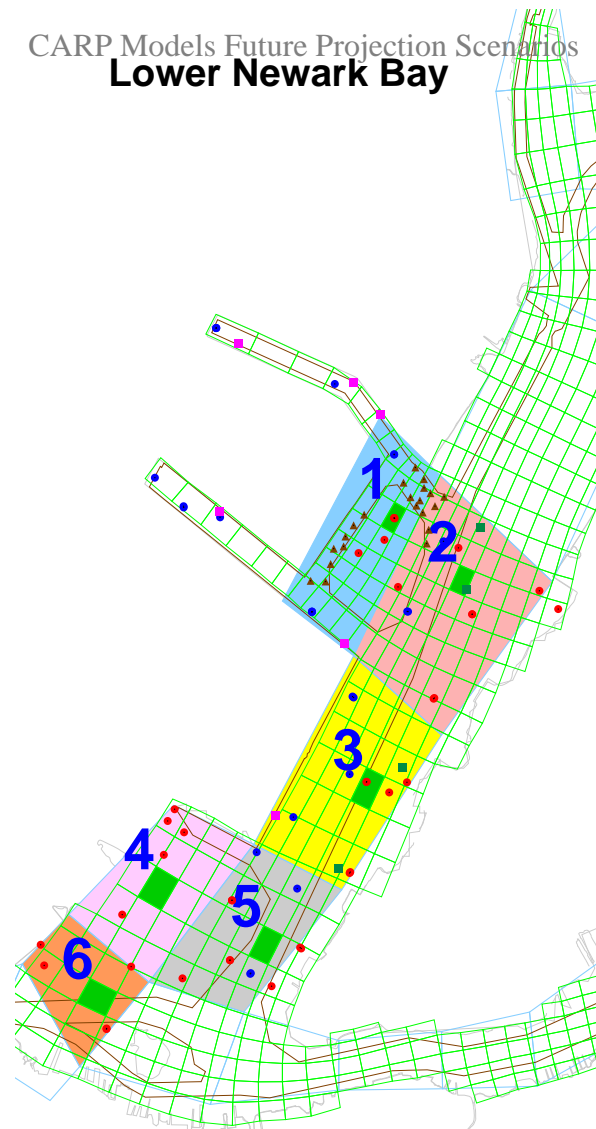
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-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

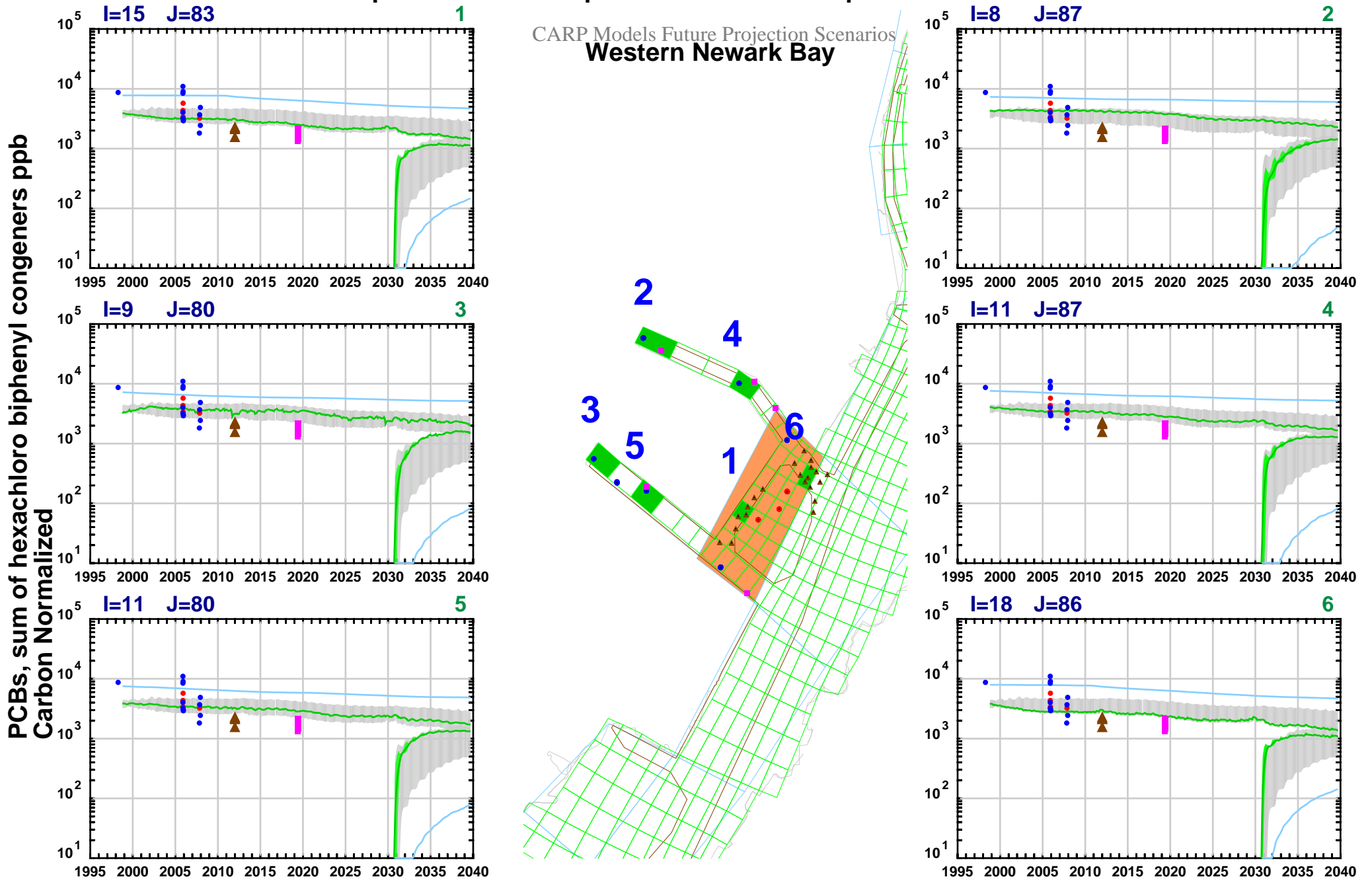


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



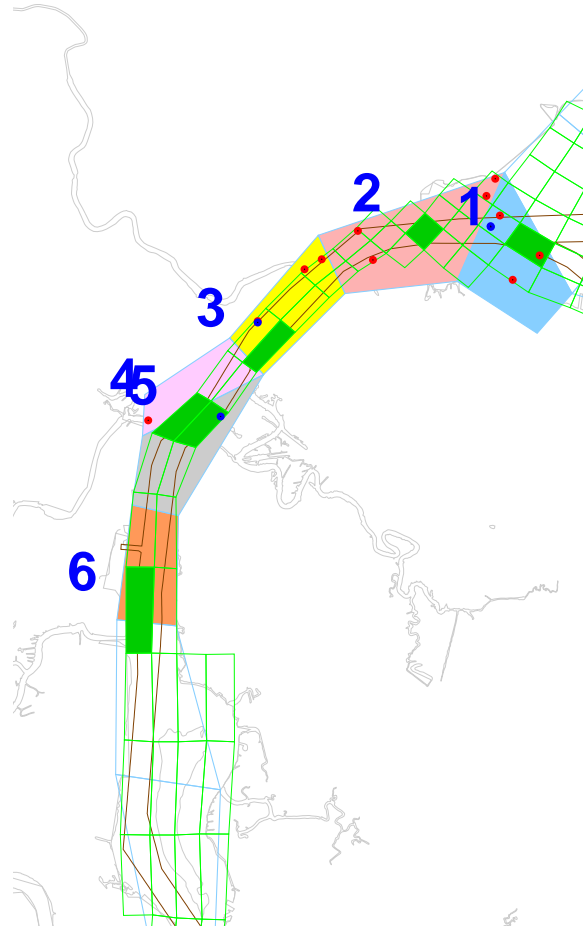
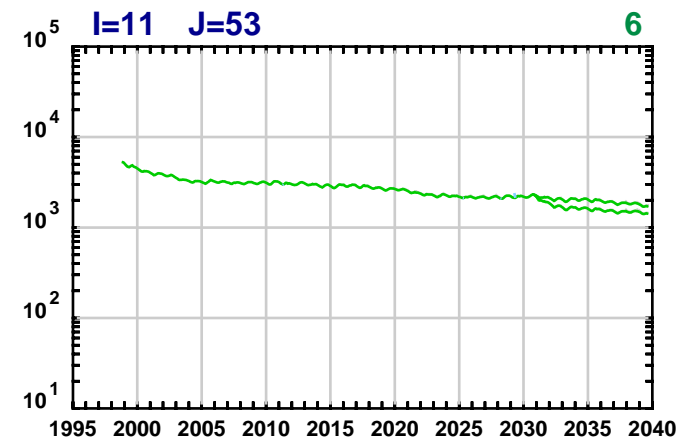
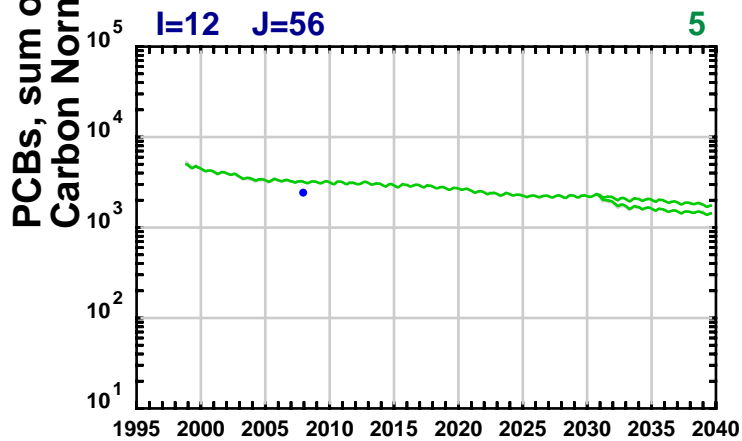
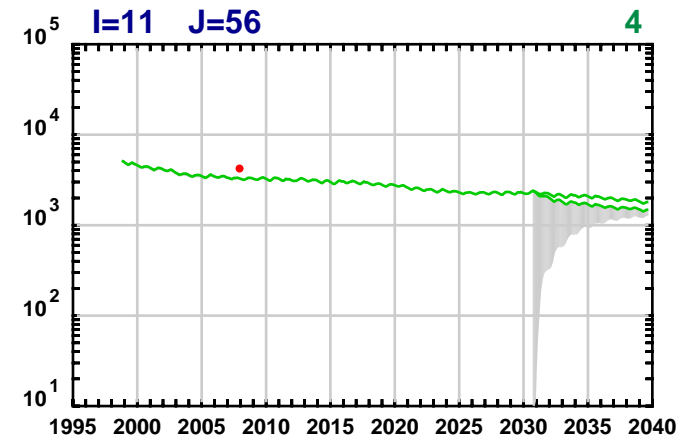
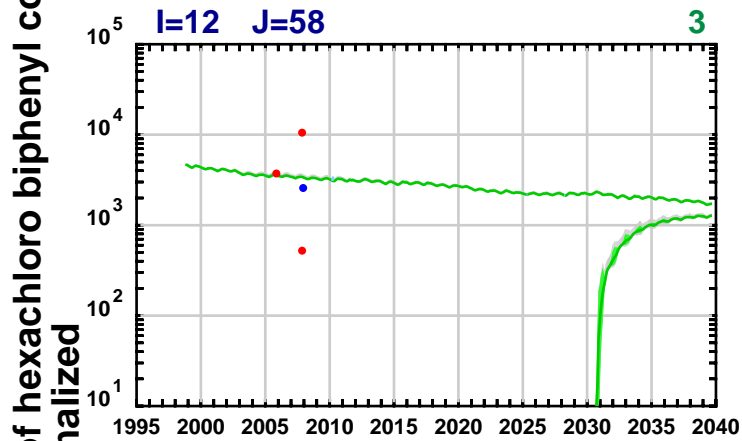
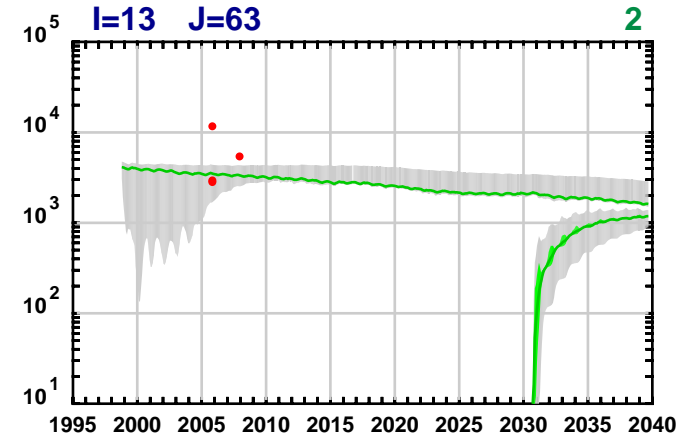
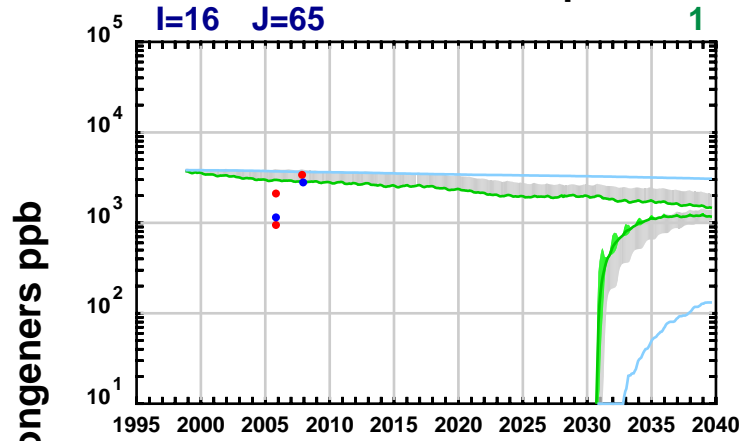
RUN18_PROJ01_PROJ02_R1

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

● In-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

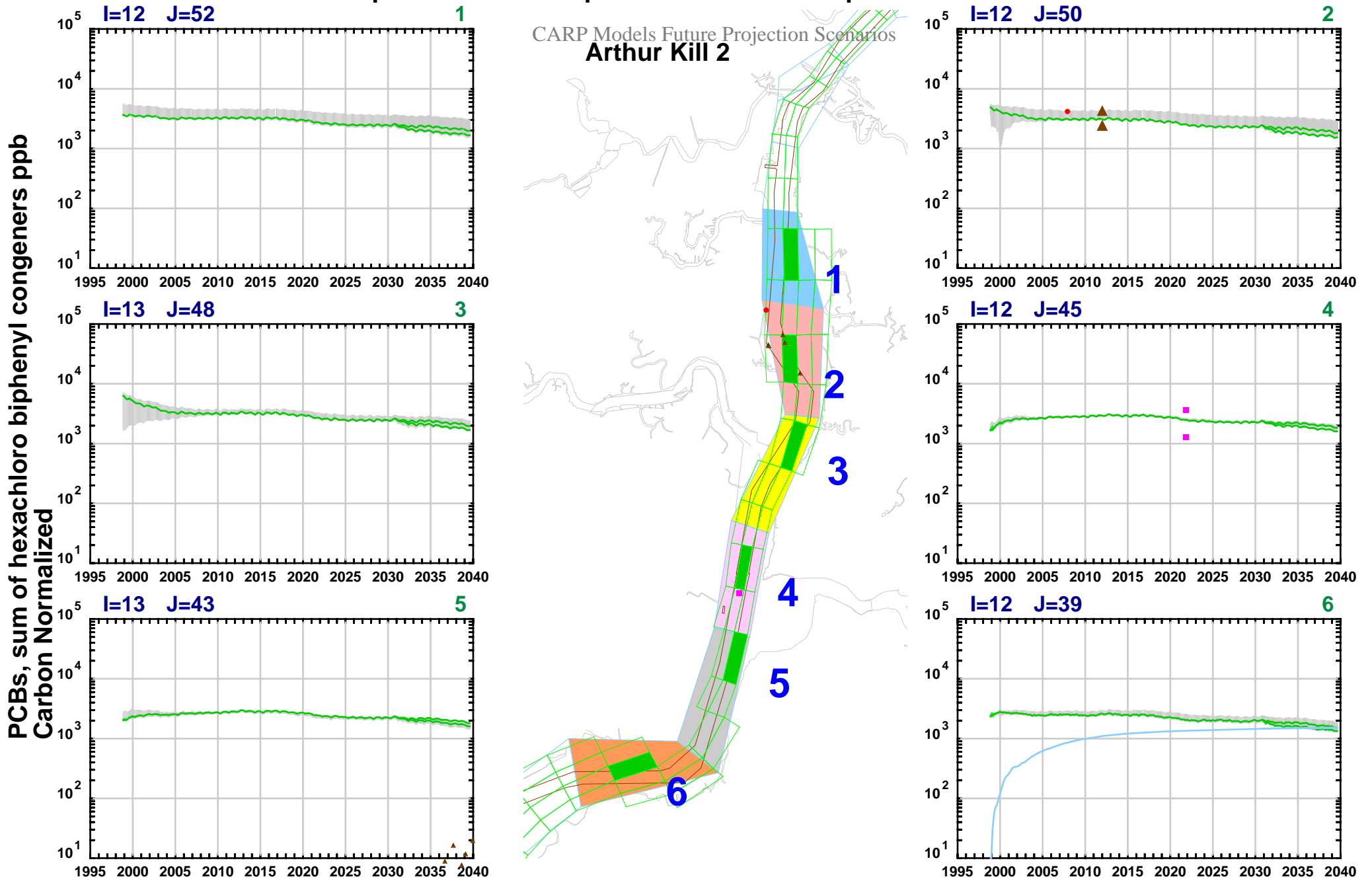


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

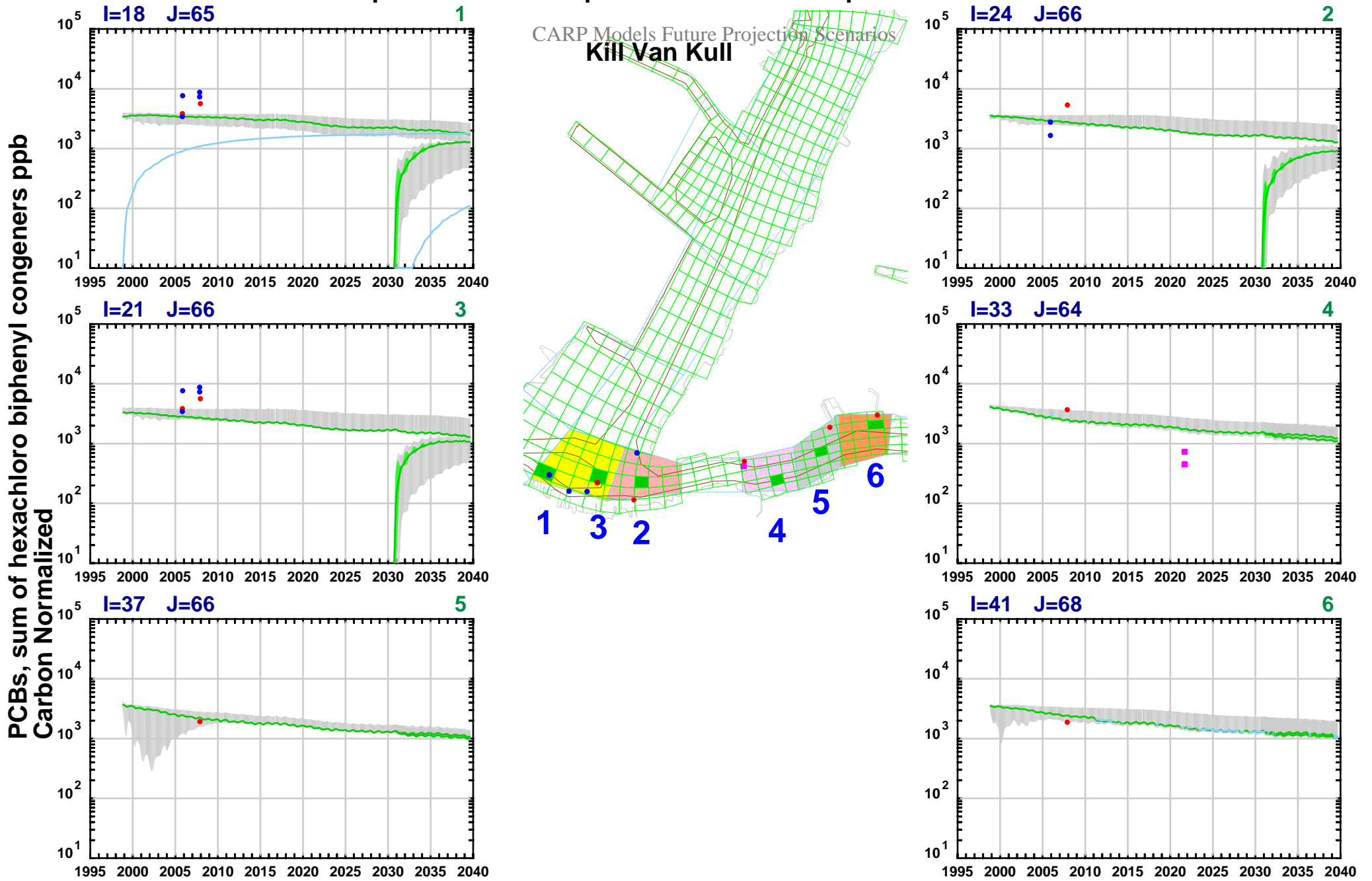


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

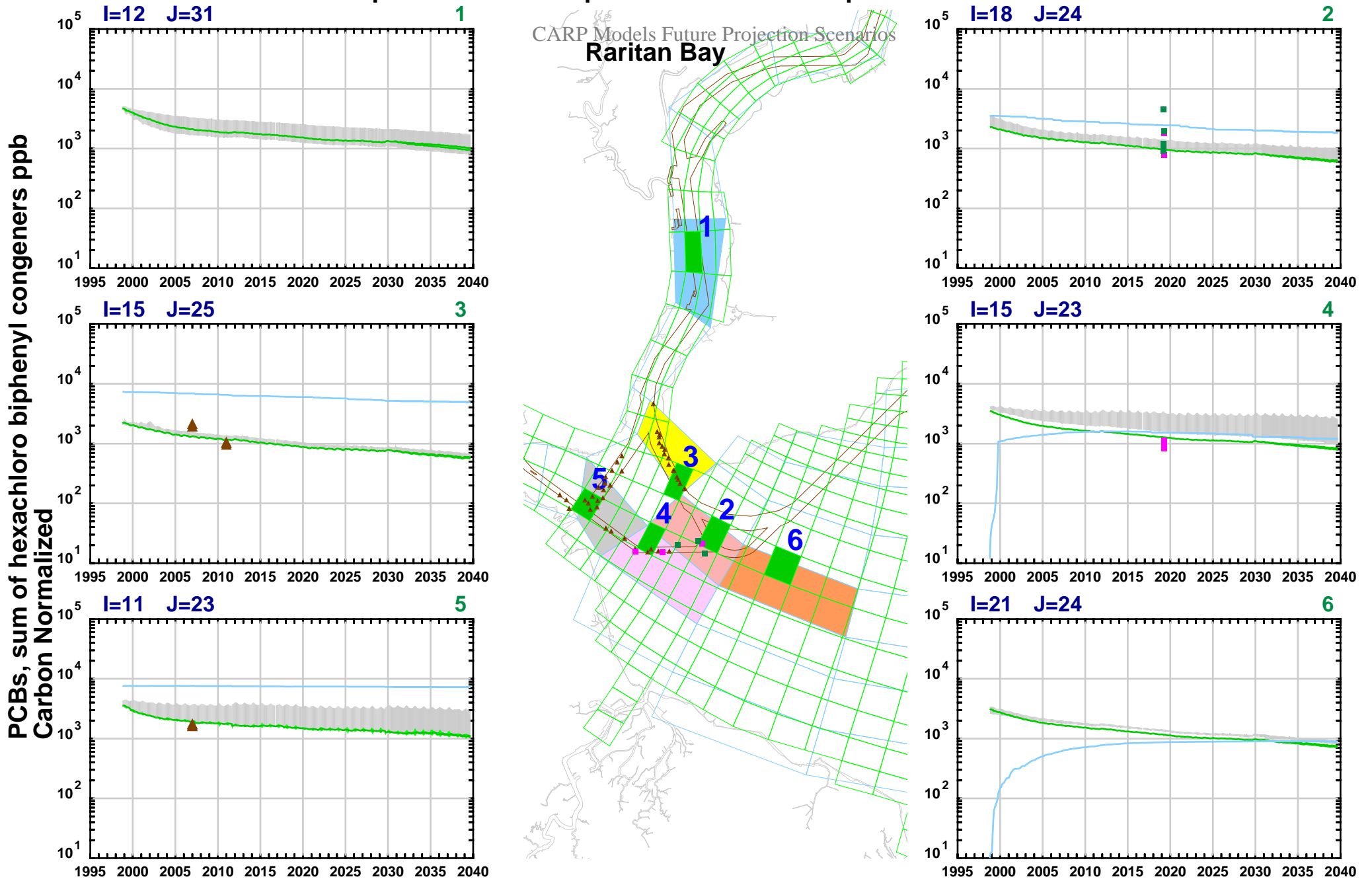


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

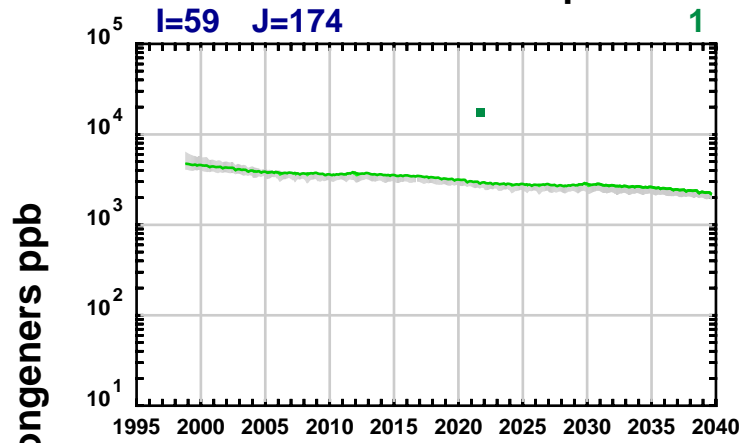


RUN18_PROJ01_PROJ02_R1

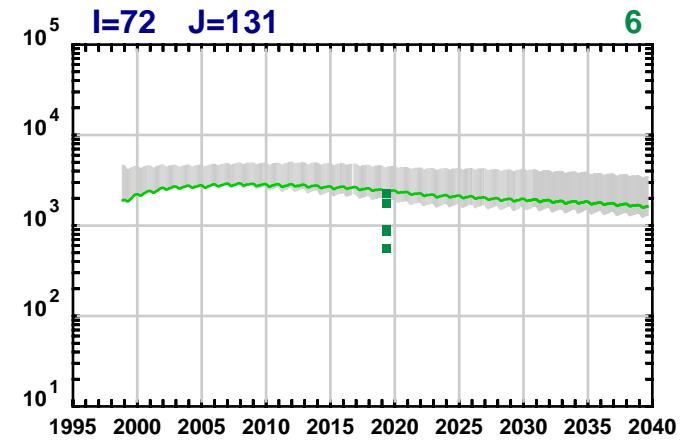
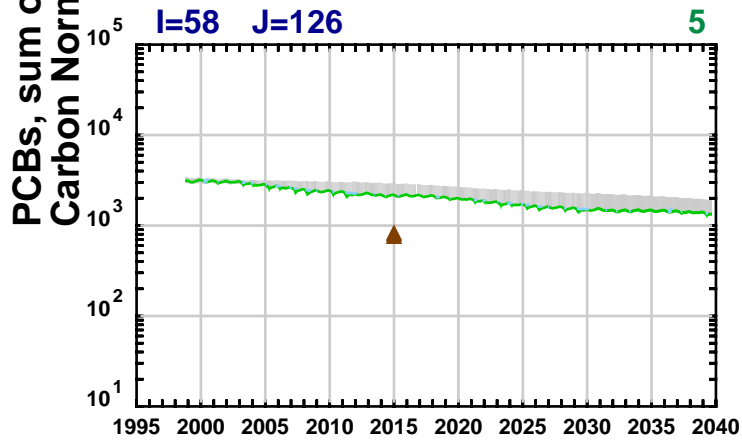
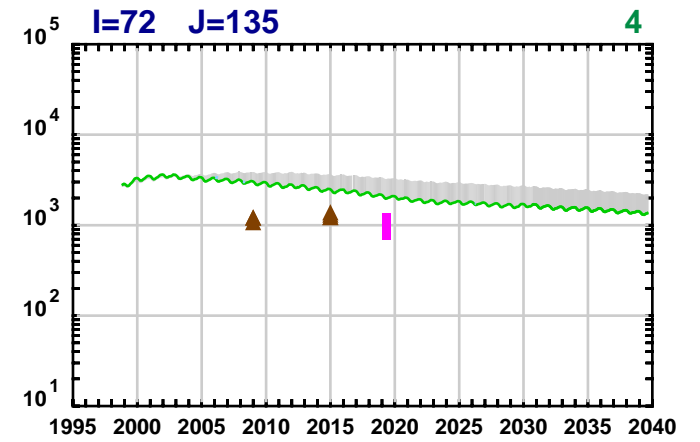
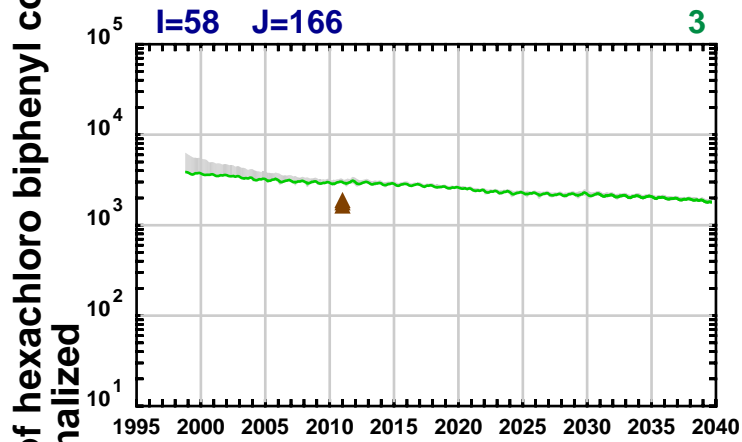
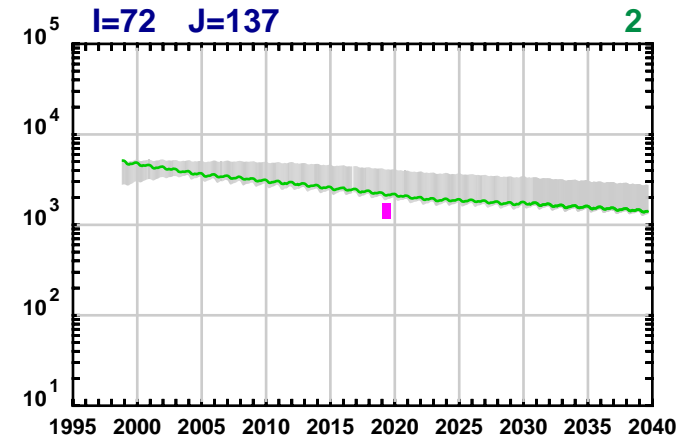
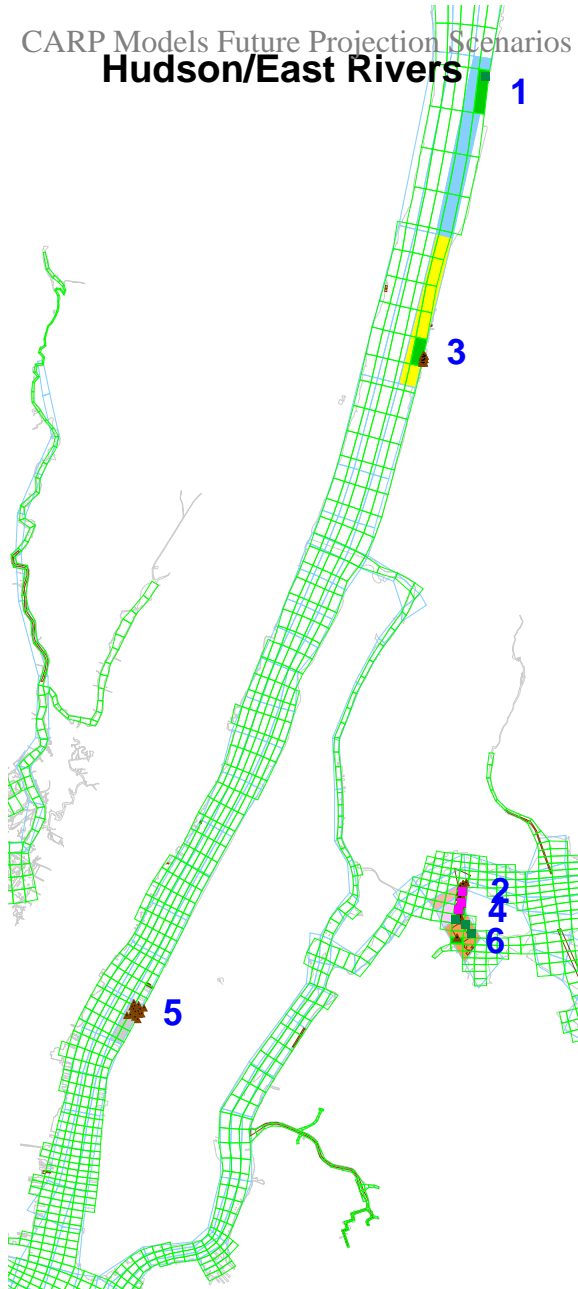
Model: mean and range of values in top sediment
 Model: mean and range of values in bottom sediment

● In-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

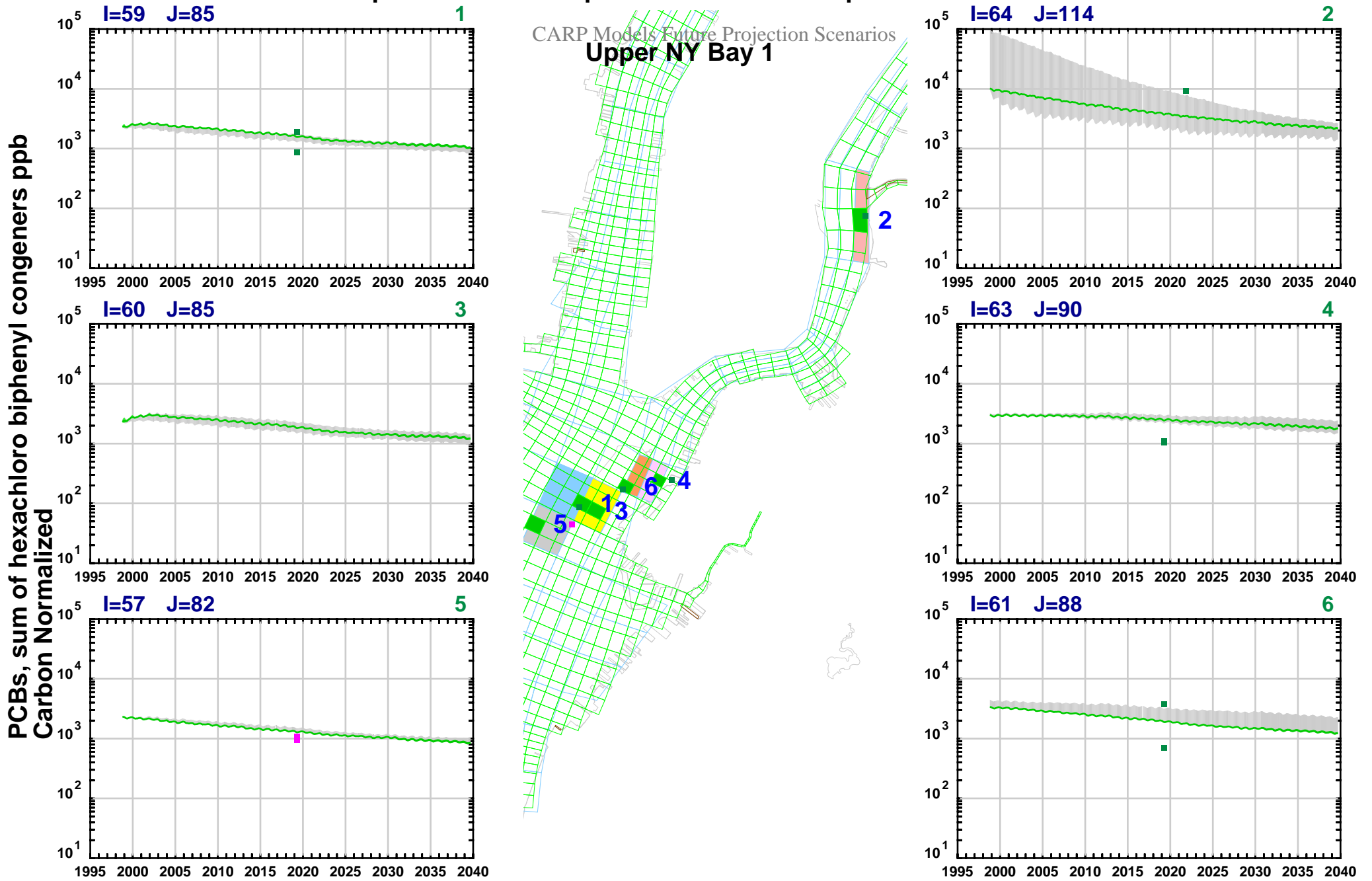


RUN18_PROJ01_PROJ02_R1

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

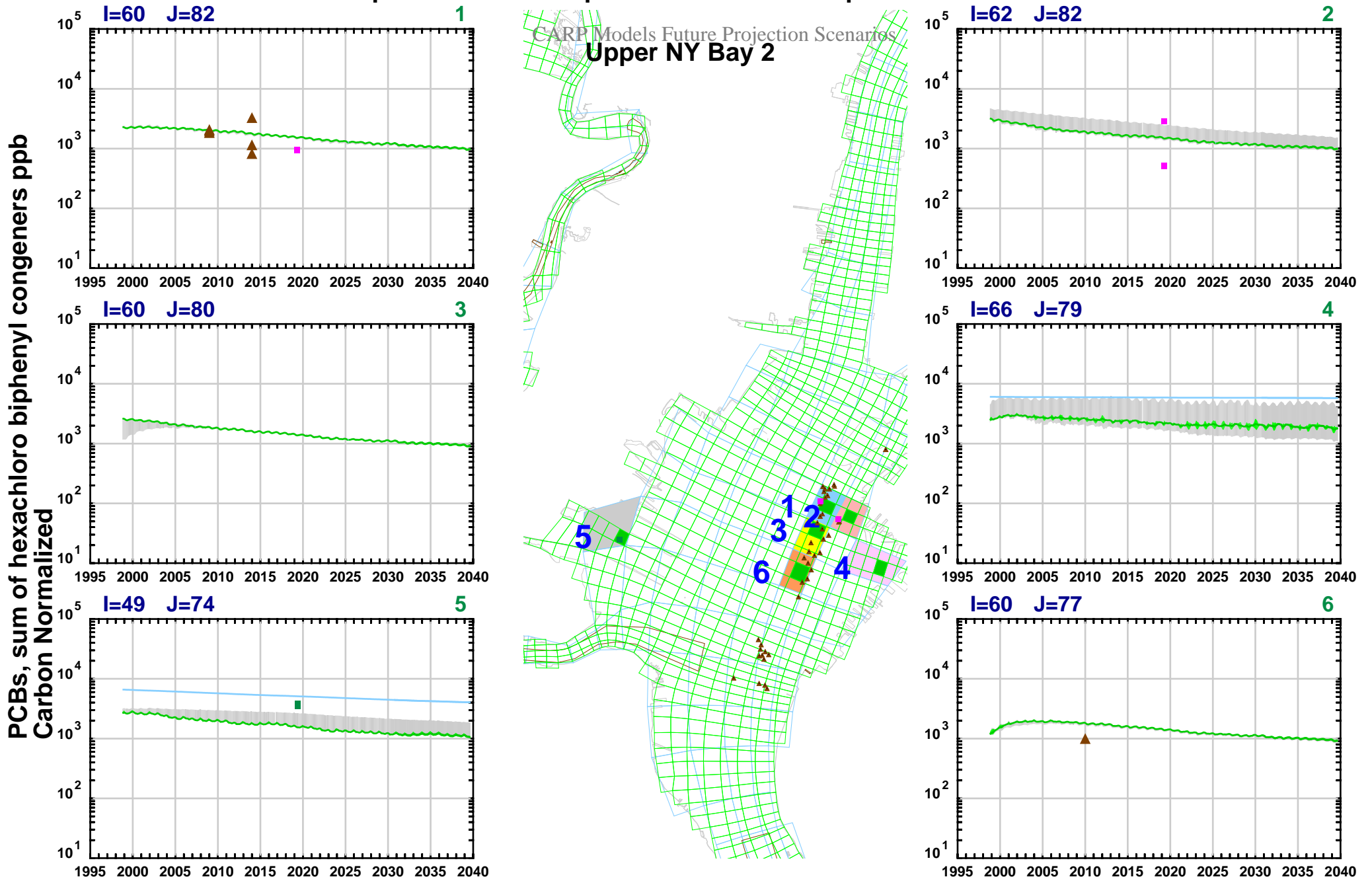
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

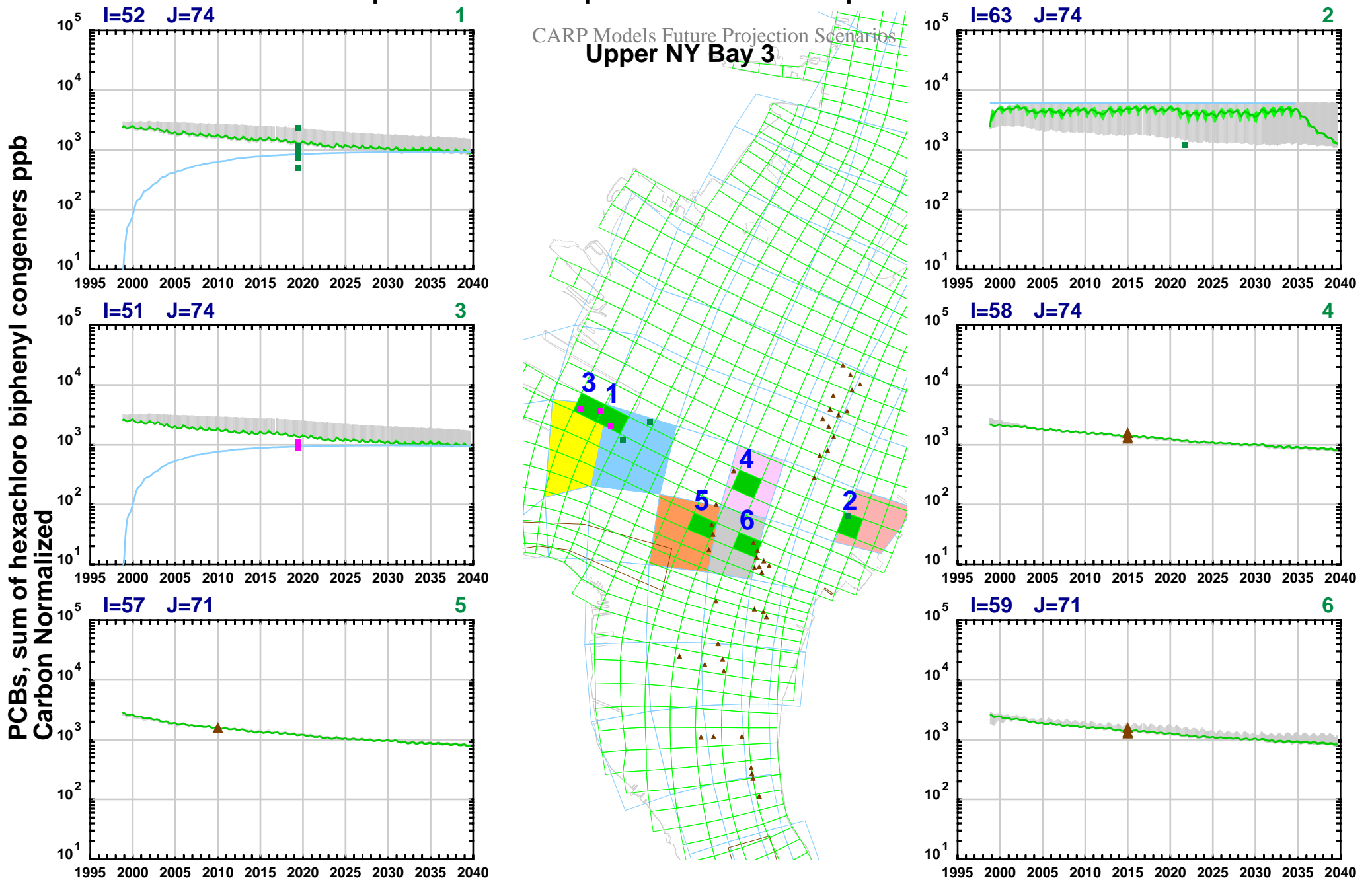


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

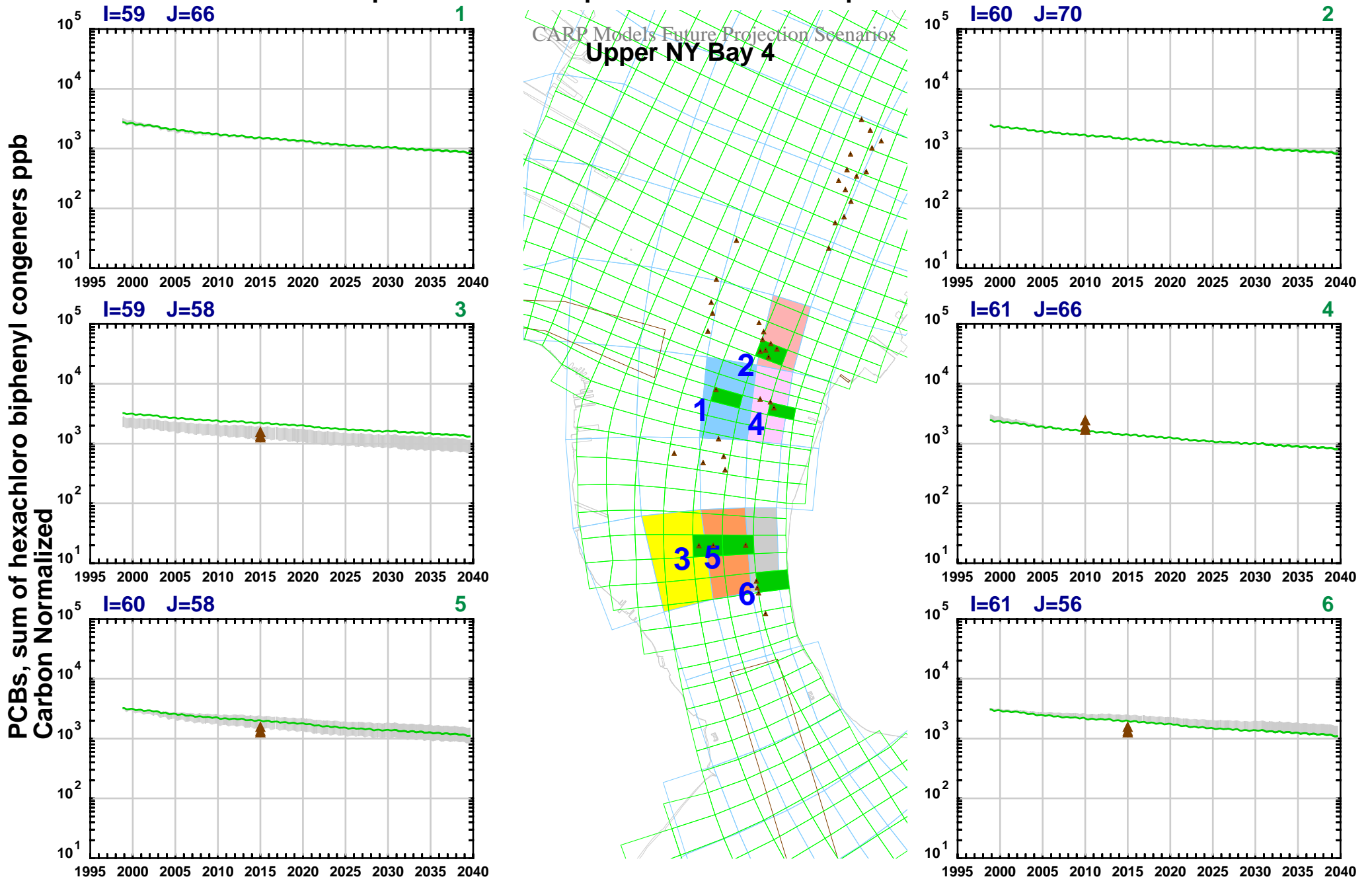


RUN18_PROJ01_PROJ02_R1

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

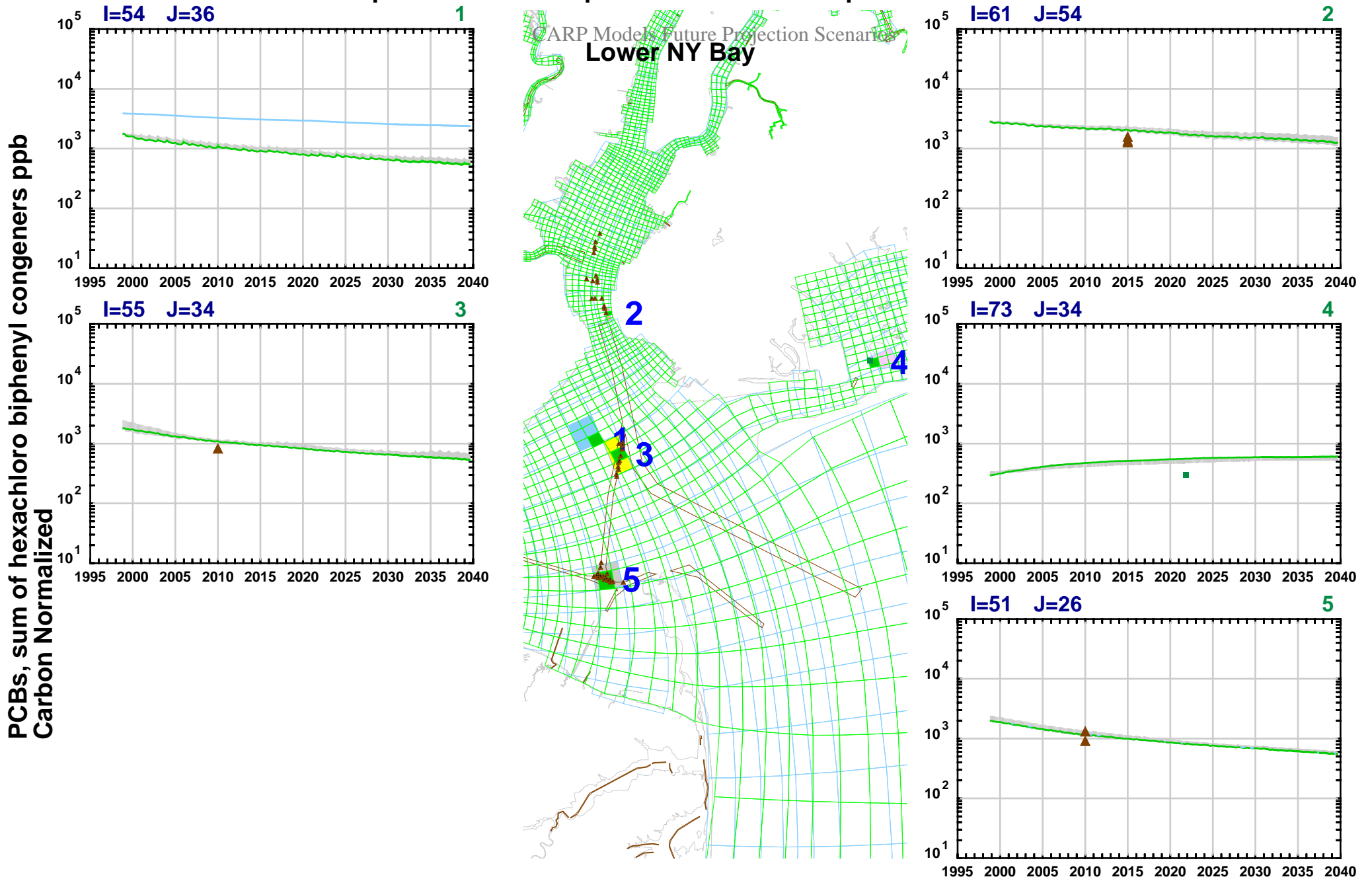
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment



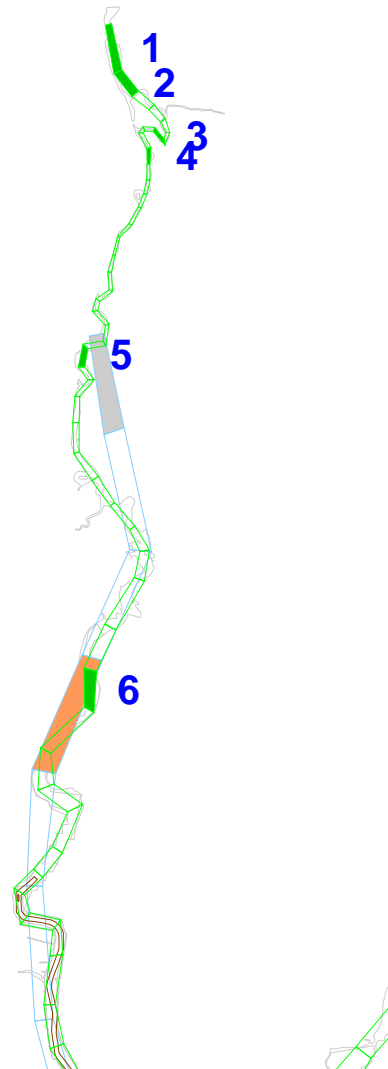
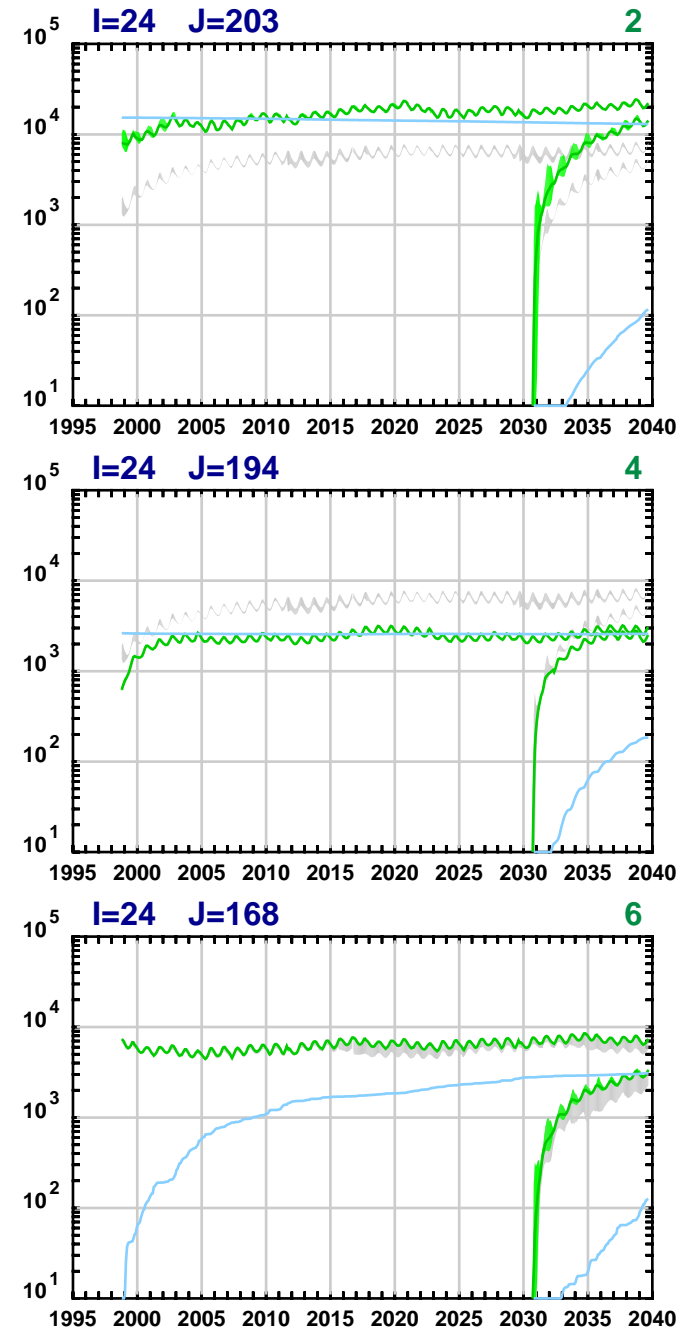
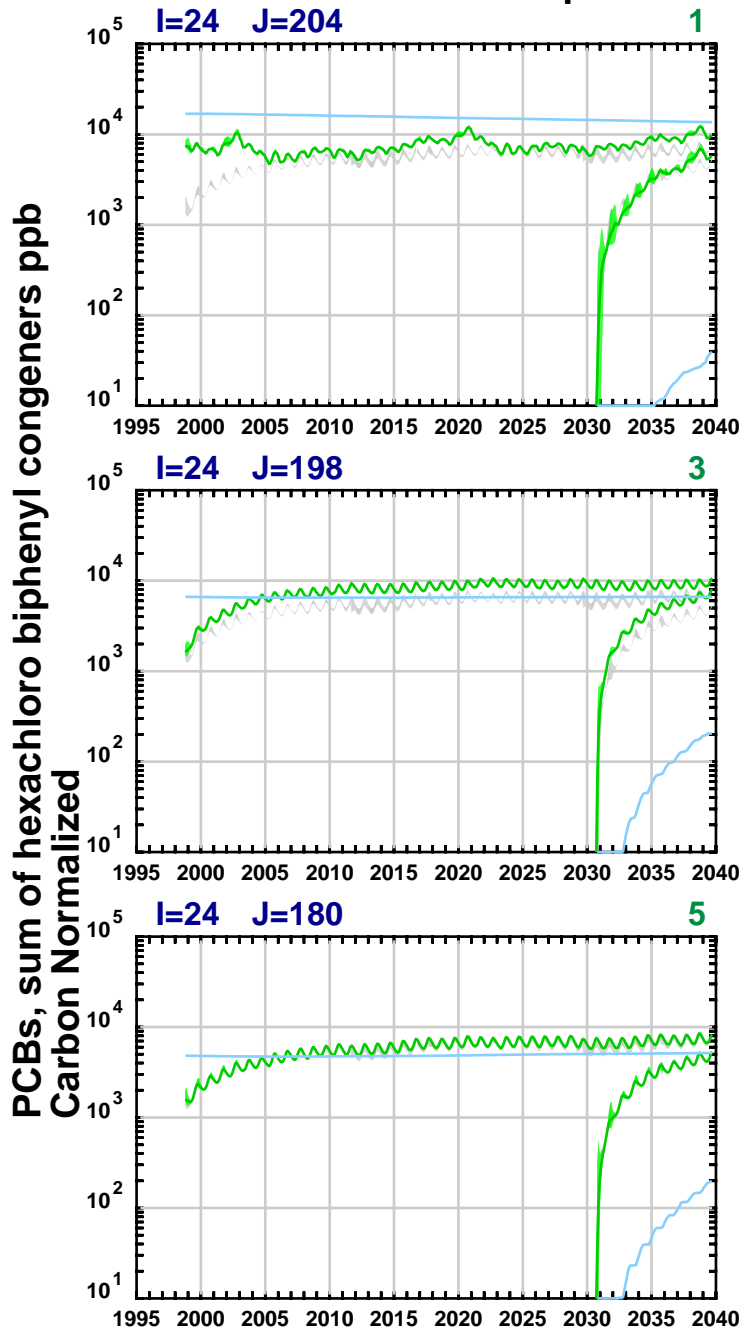
RUN18_PROJ01_PROJ02_R1

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

● In-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



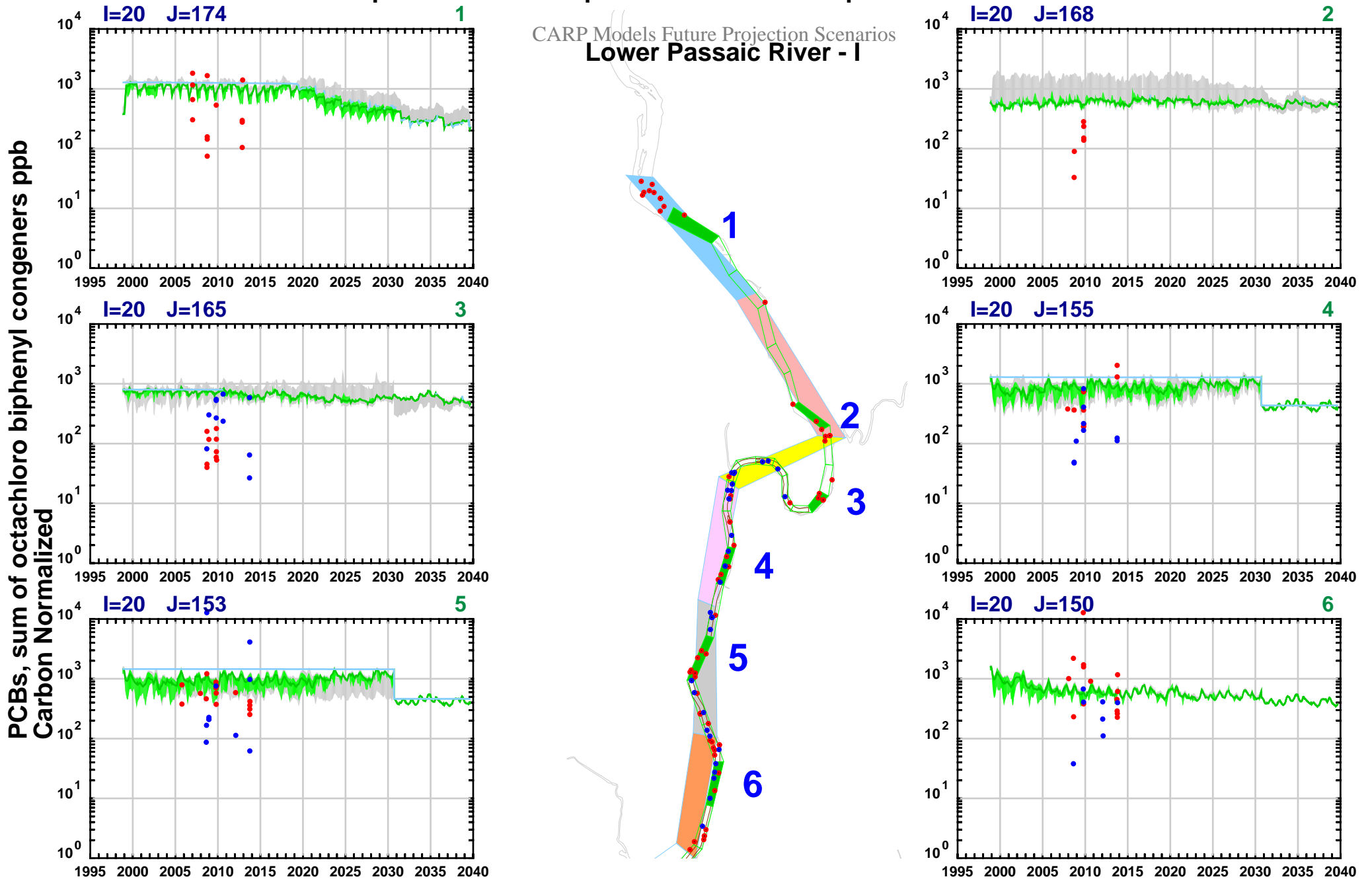
RUN18_PROJ01_PROJ02_R1

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

● In-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

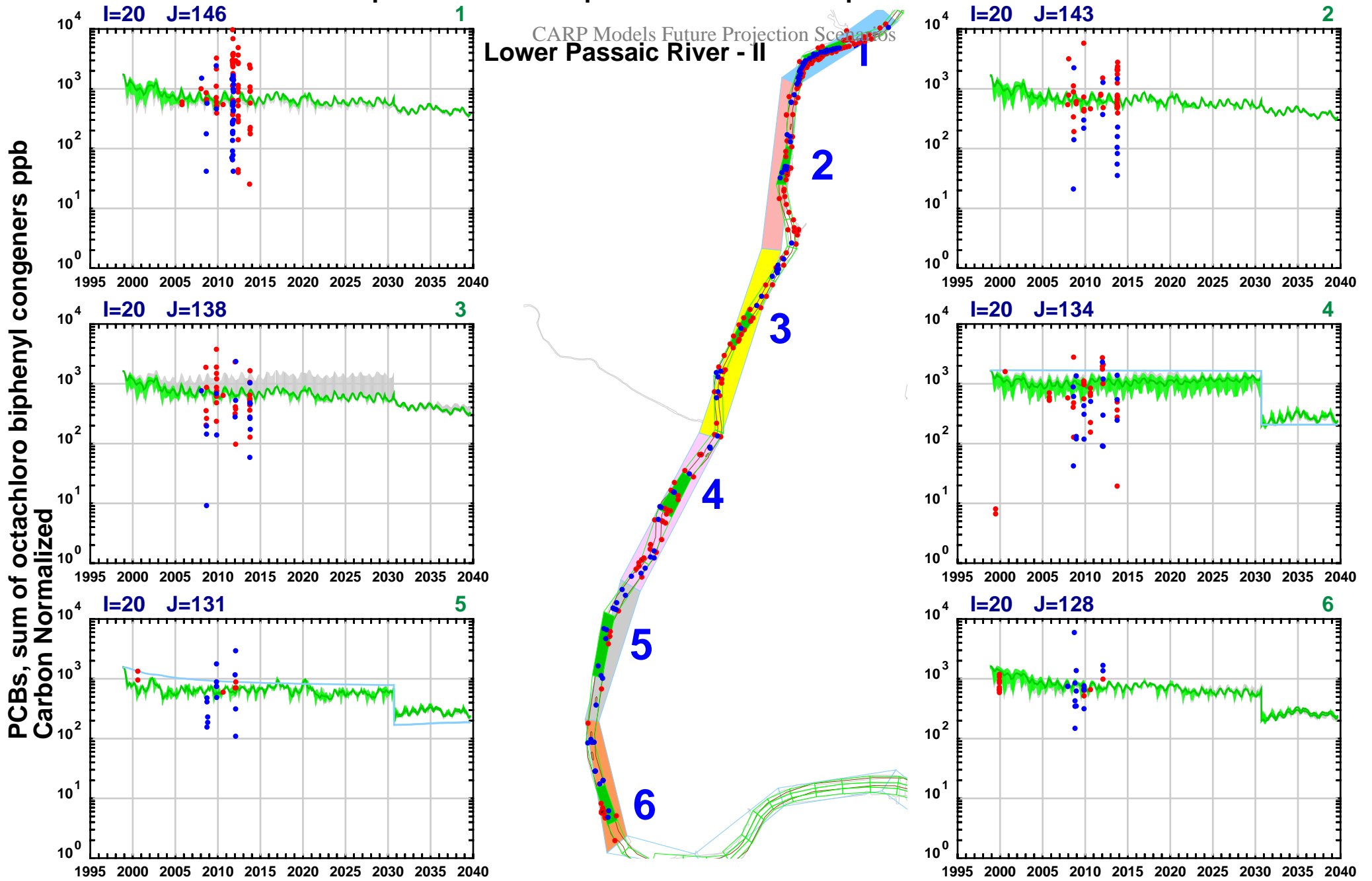


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



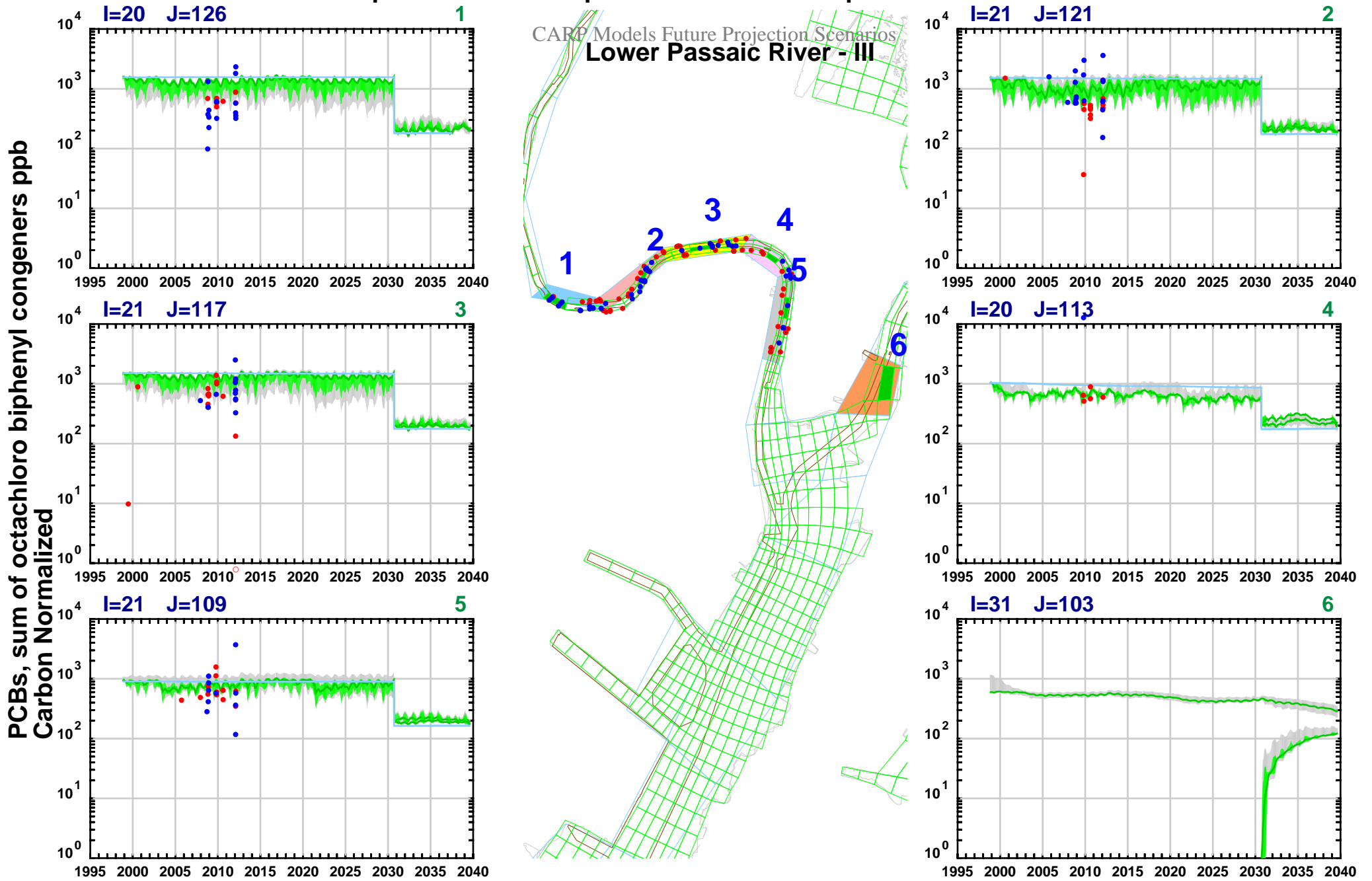
CARP Models Future Projection Scenarios
Lower Passaic River - II

RUN18_PROJ01_PROJ02_R1

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

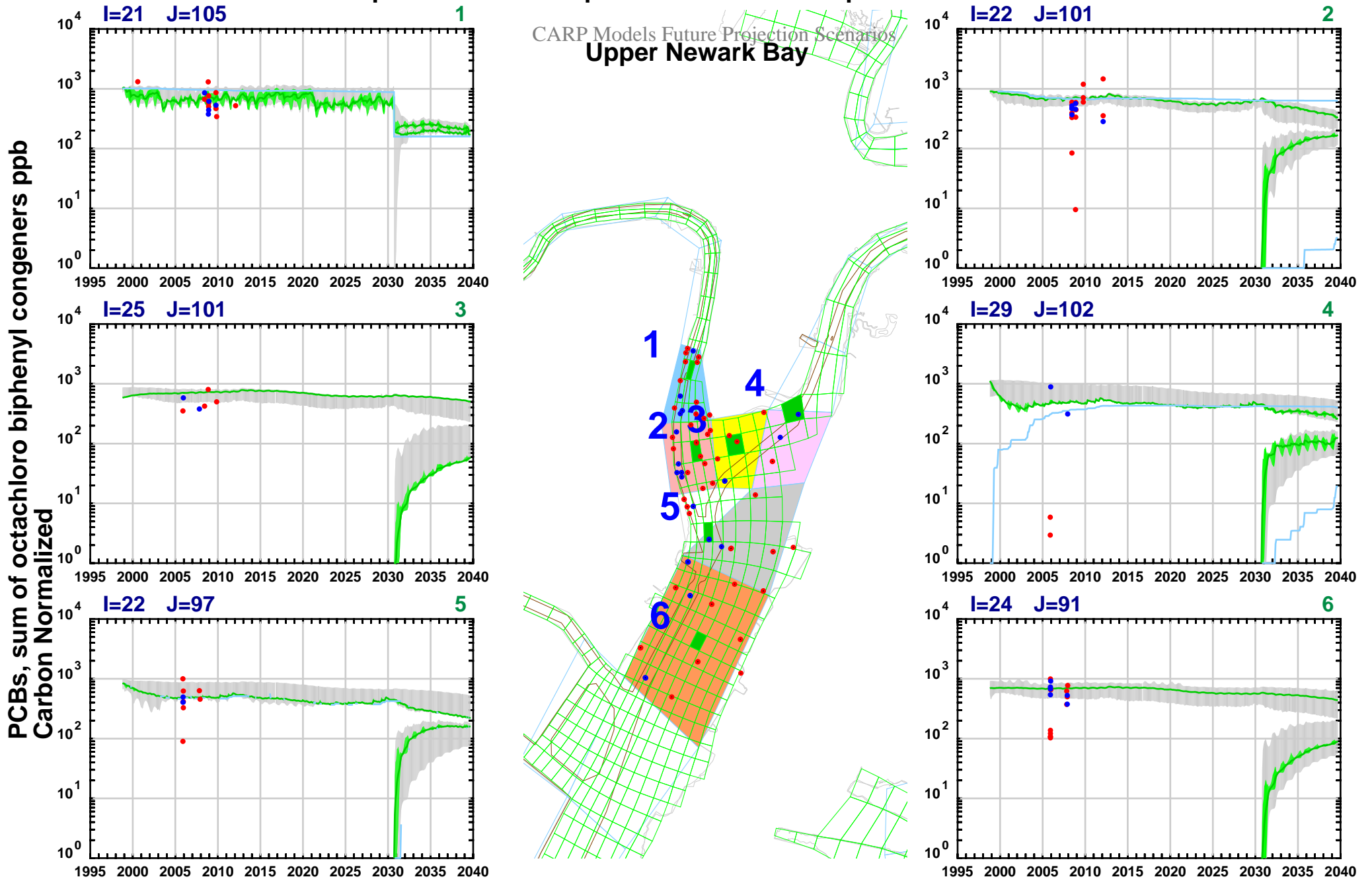
● In-channel data ● Off-channel data ▲ Dredge data
■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

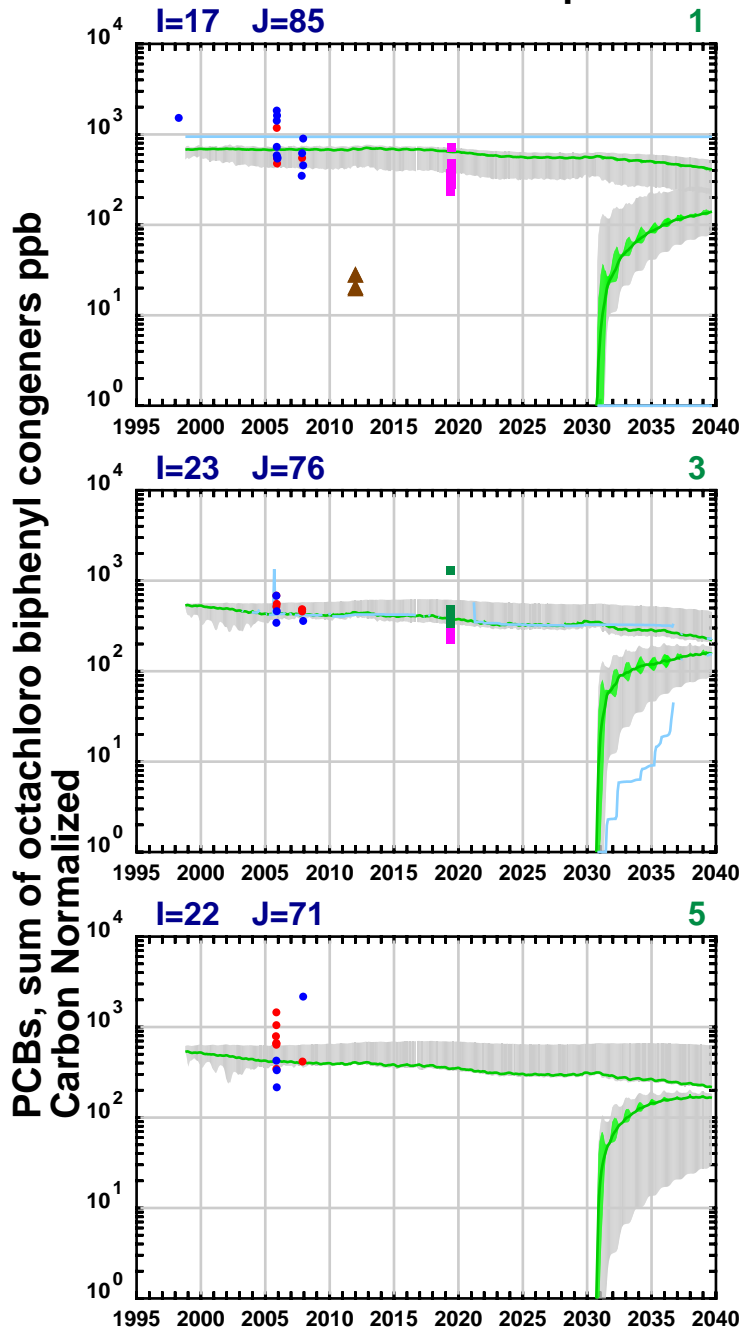


RUN18_PROJ01_PROJ02_R1

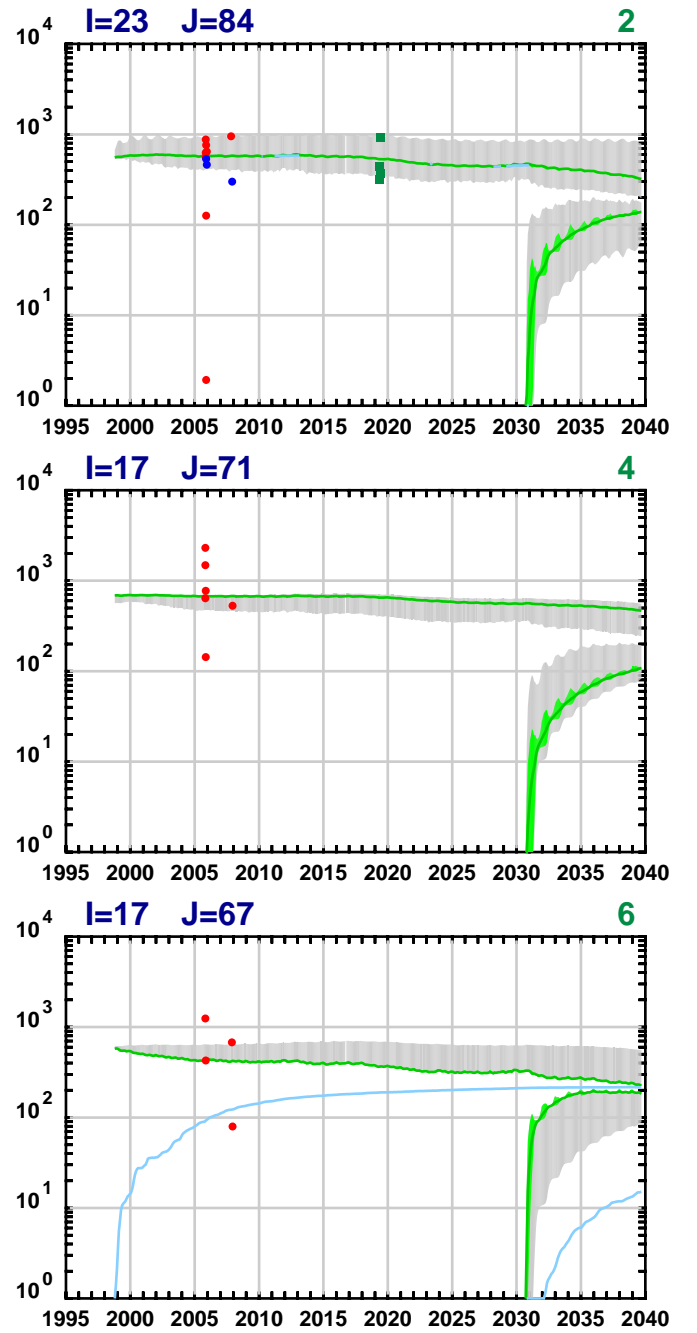
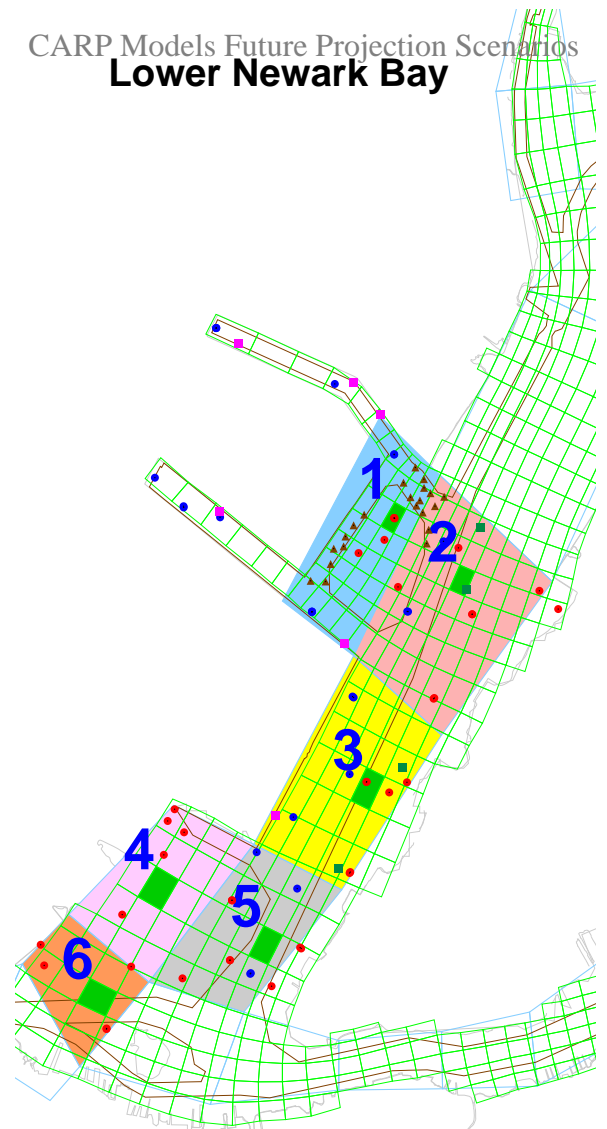
Model: mean and range of values in top sediment
Model: mean and range of values in bottom sediment

● In-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

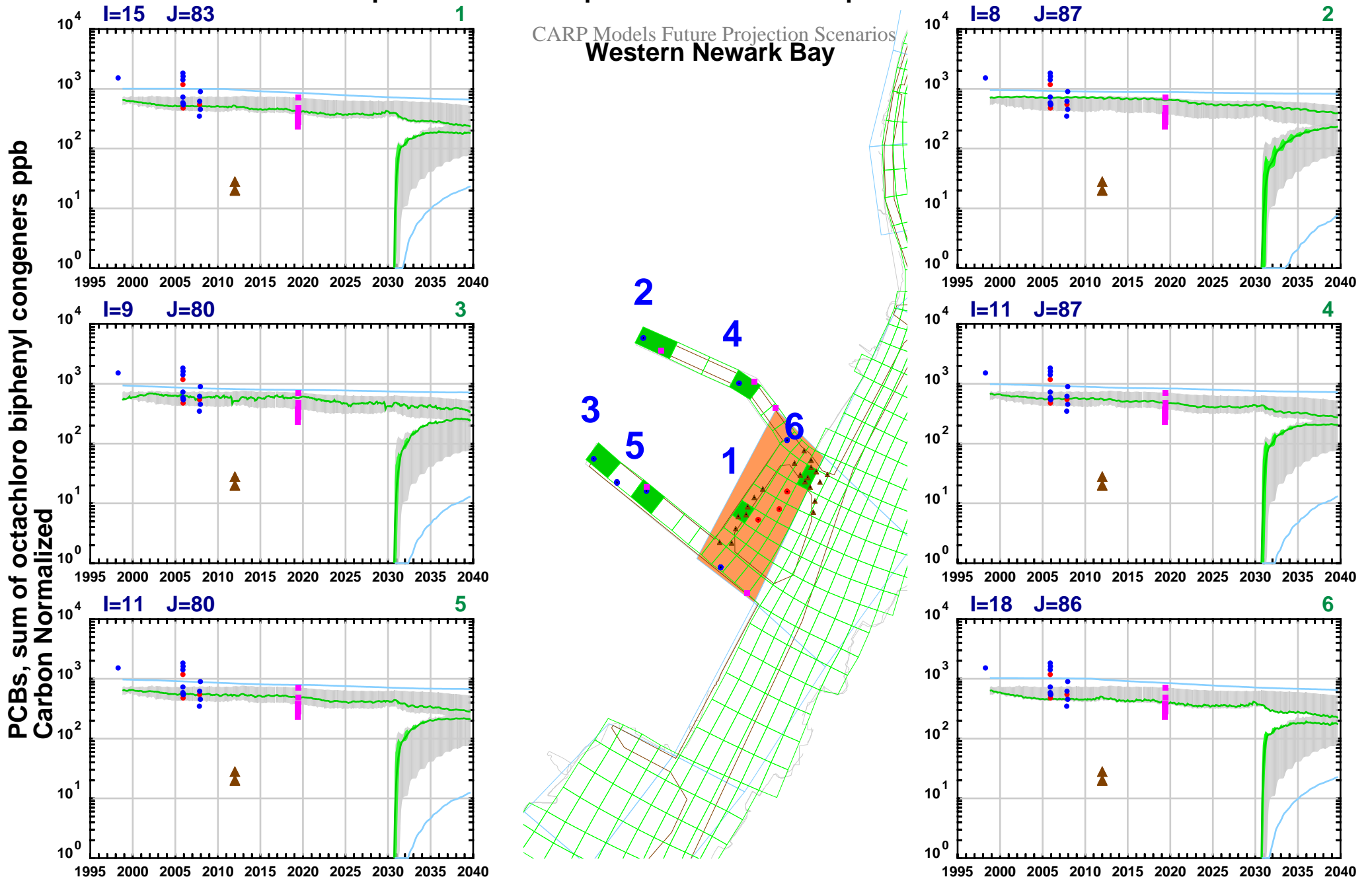


RUN18_PROJ01_PROJ02_R1

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

● In-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

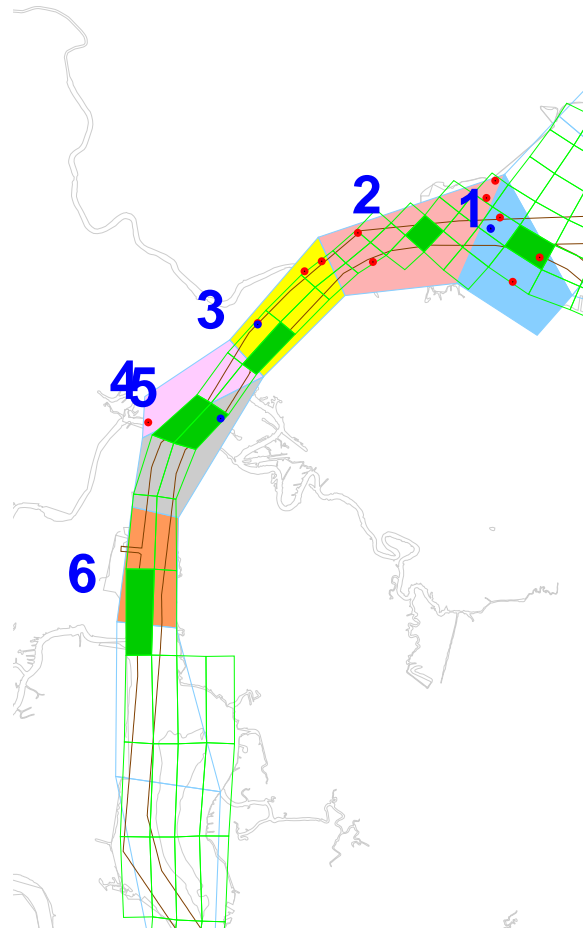
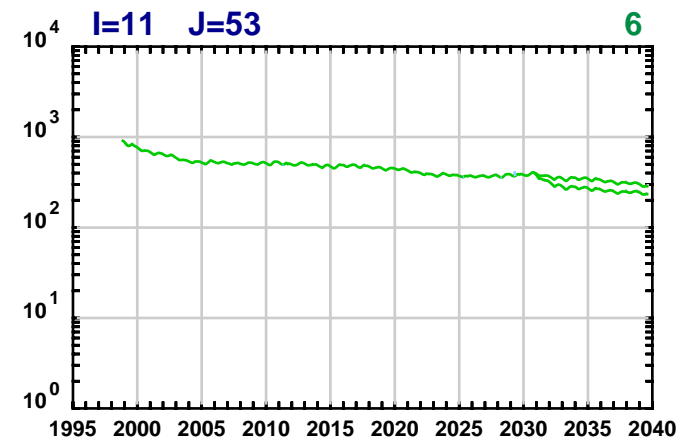
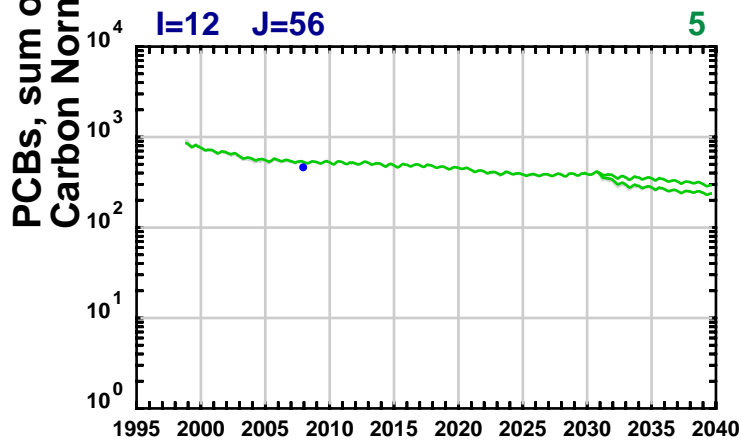
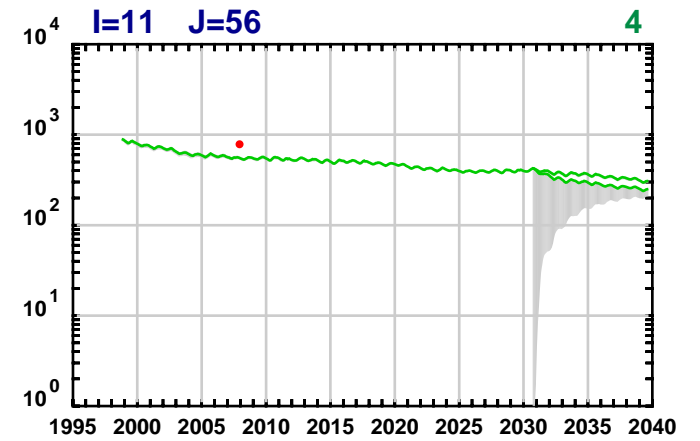
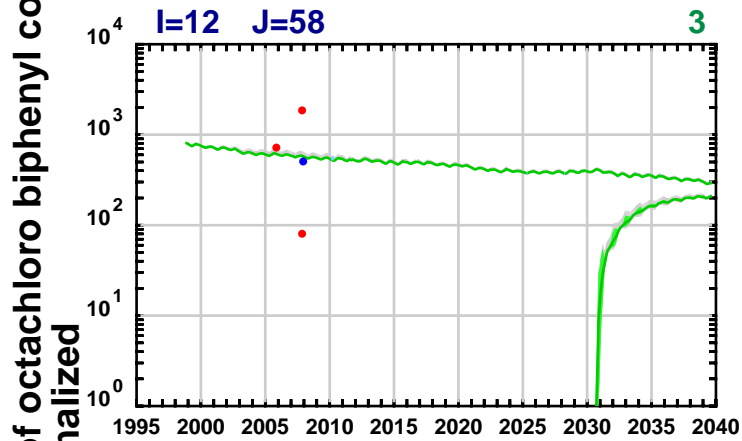
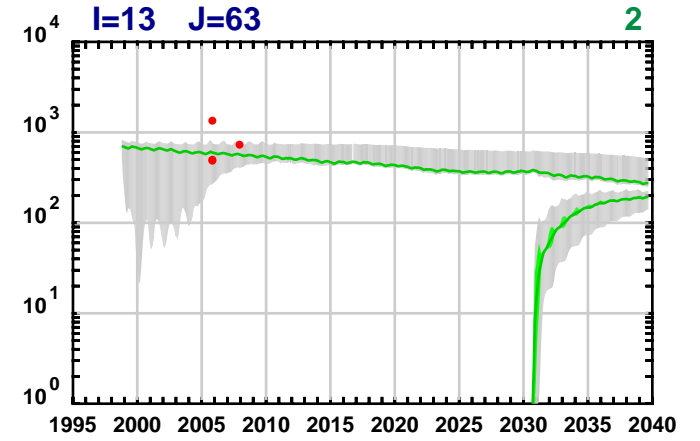
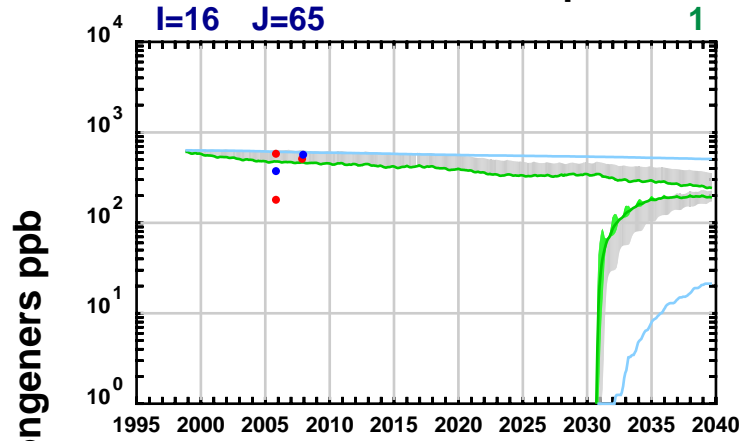
RUN18_PROJ01_PROJ02_R1

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

● In-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

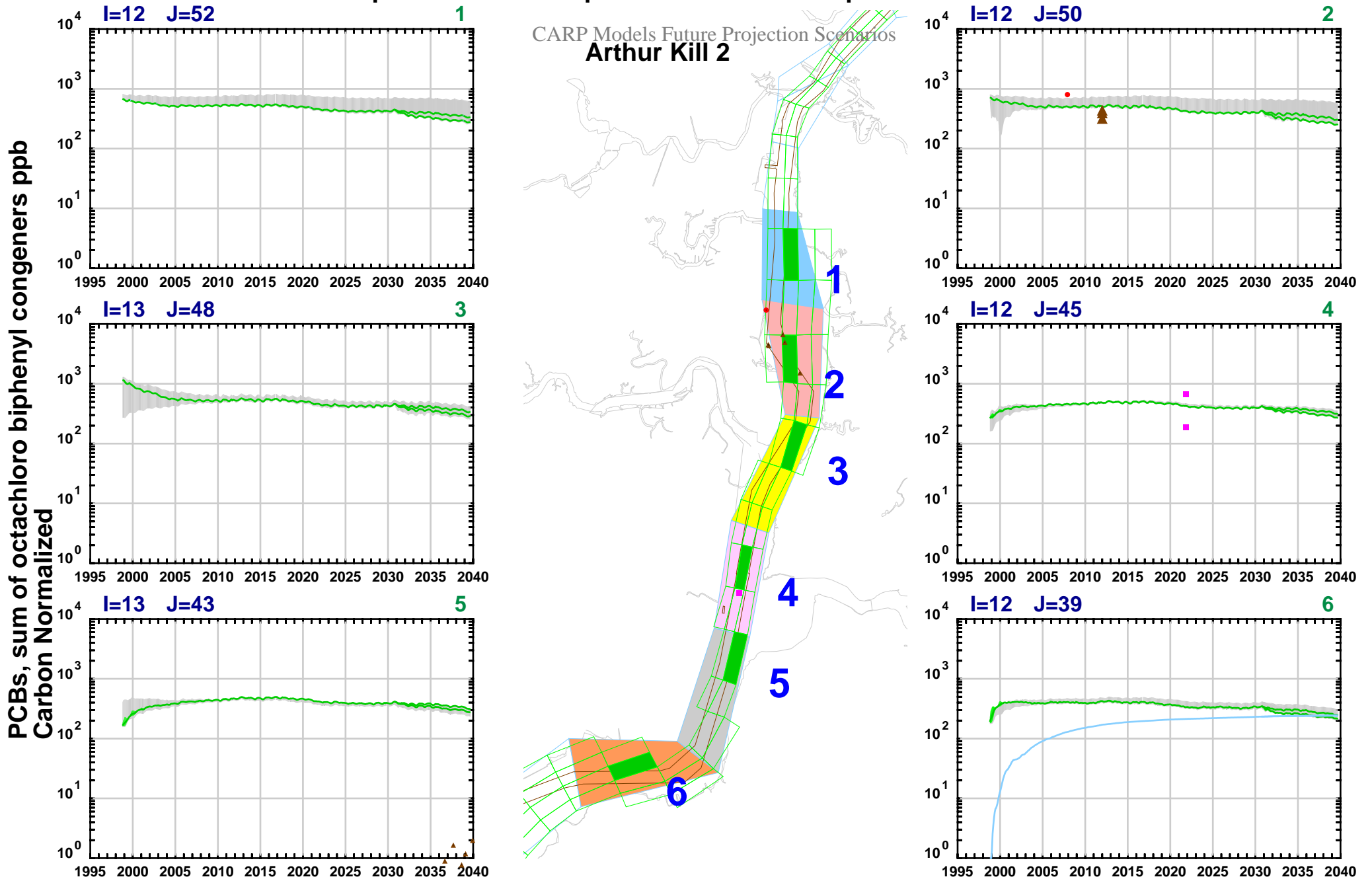


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

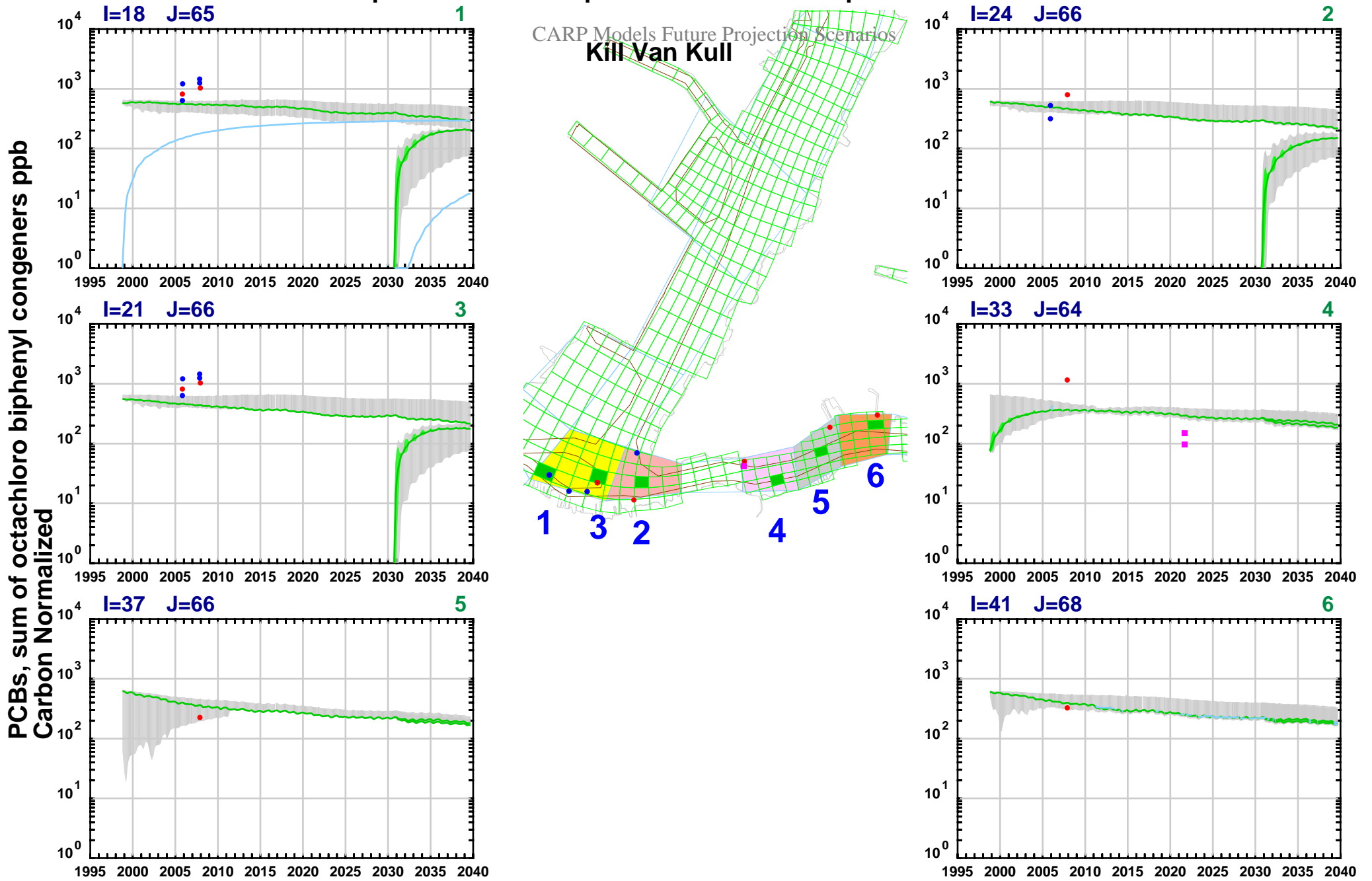


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

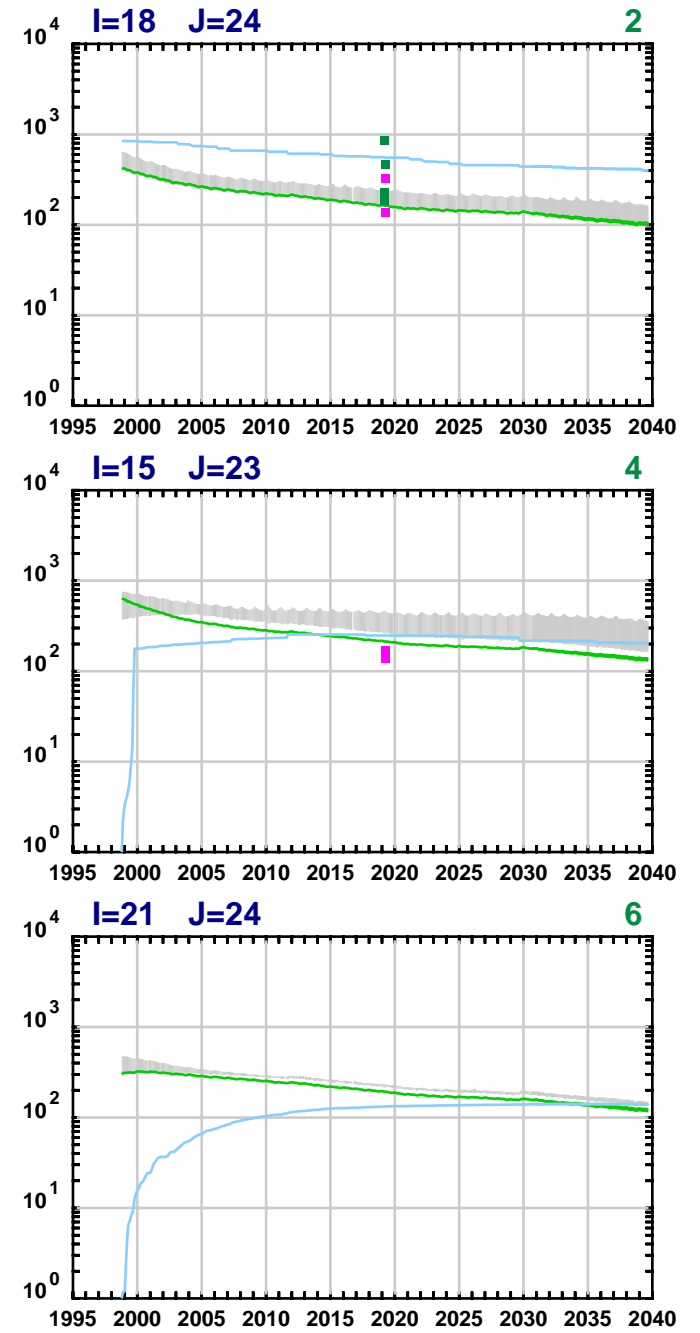
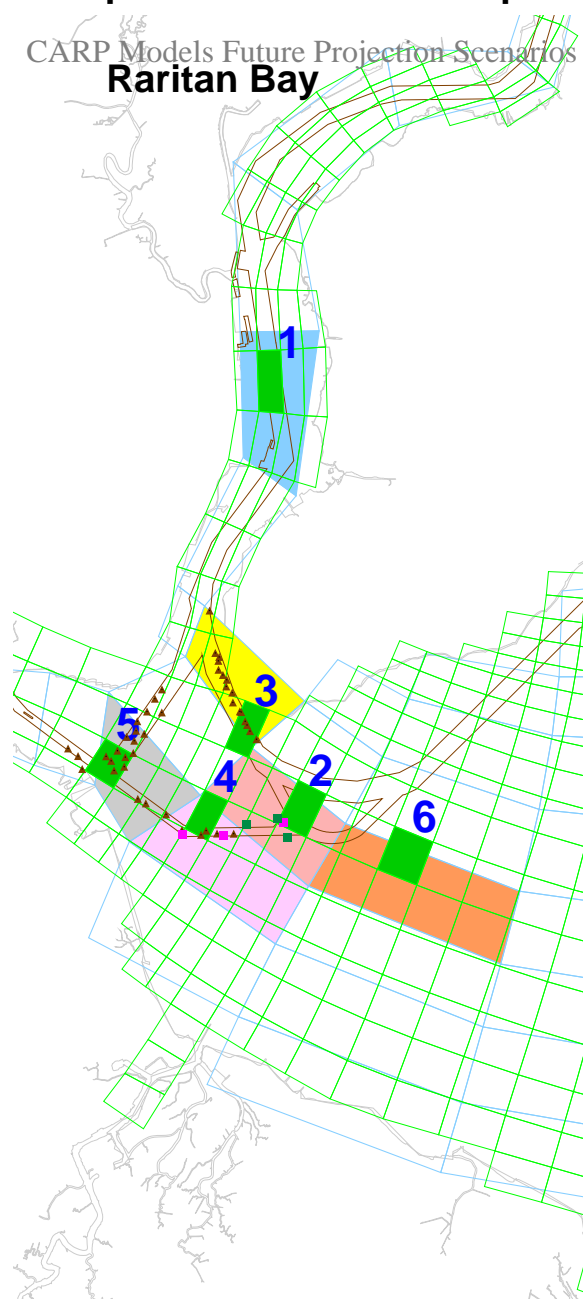
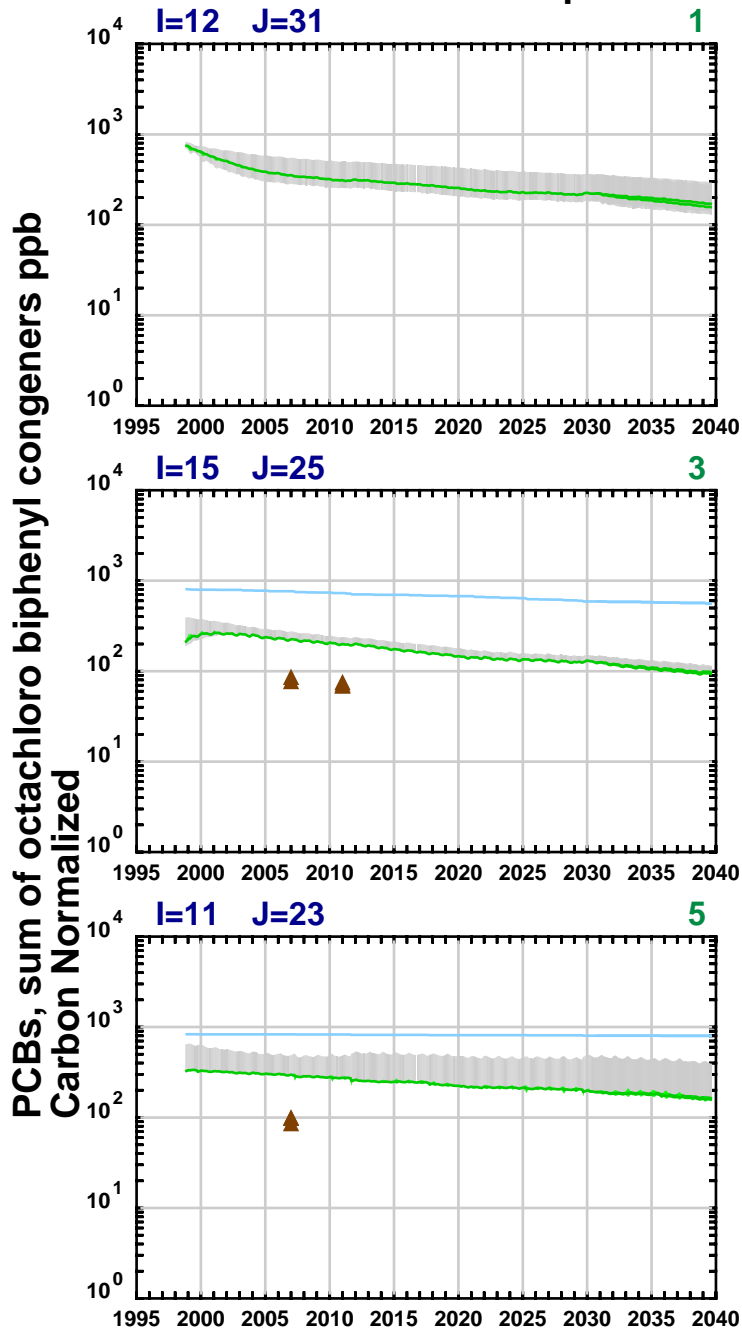


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

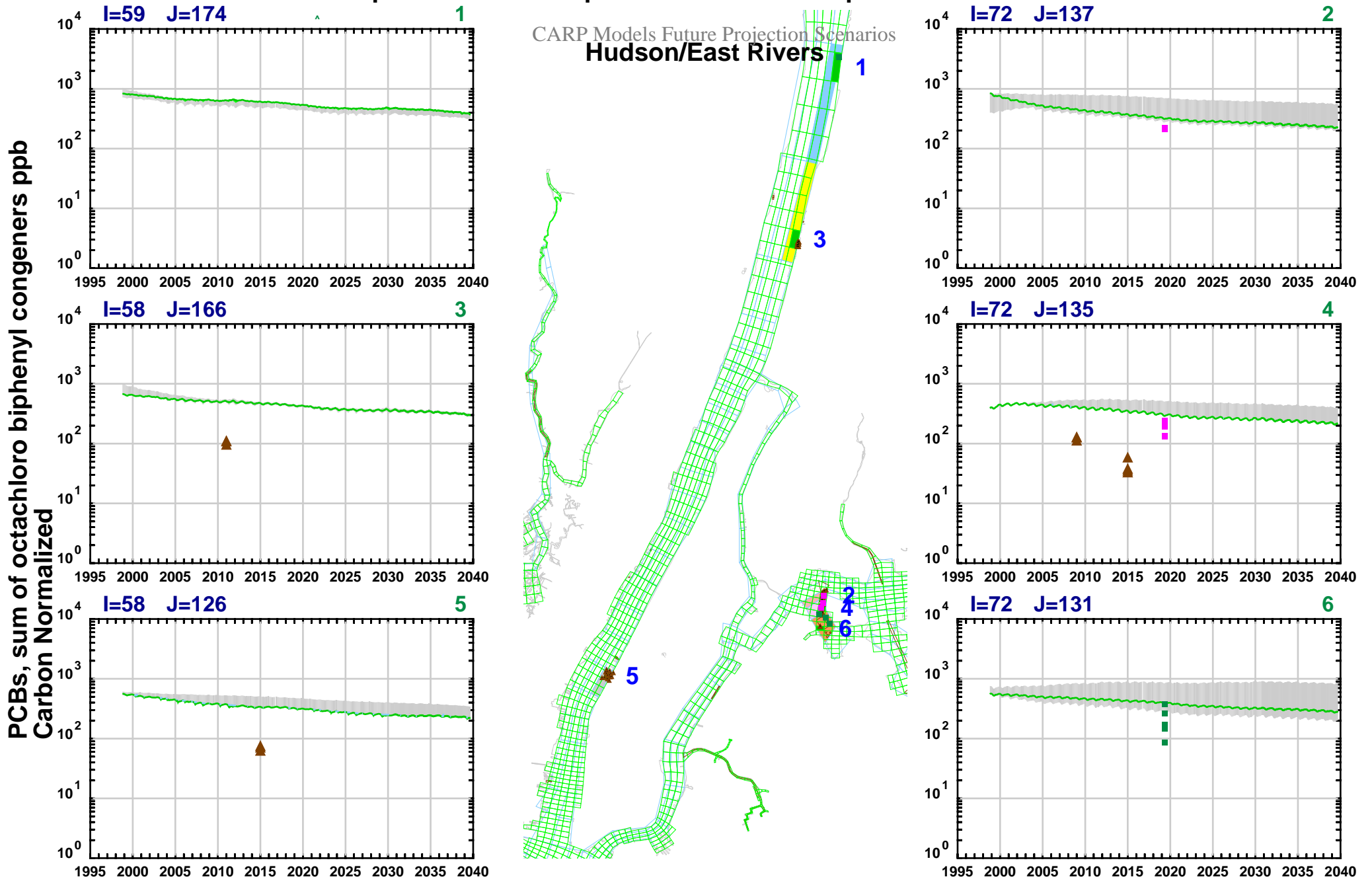


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



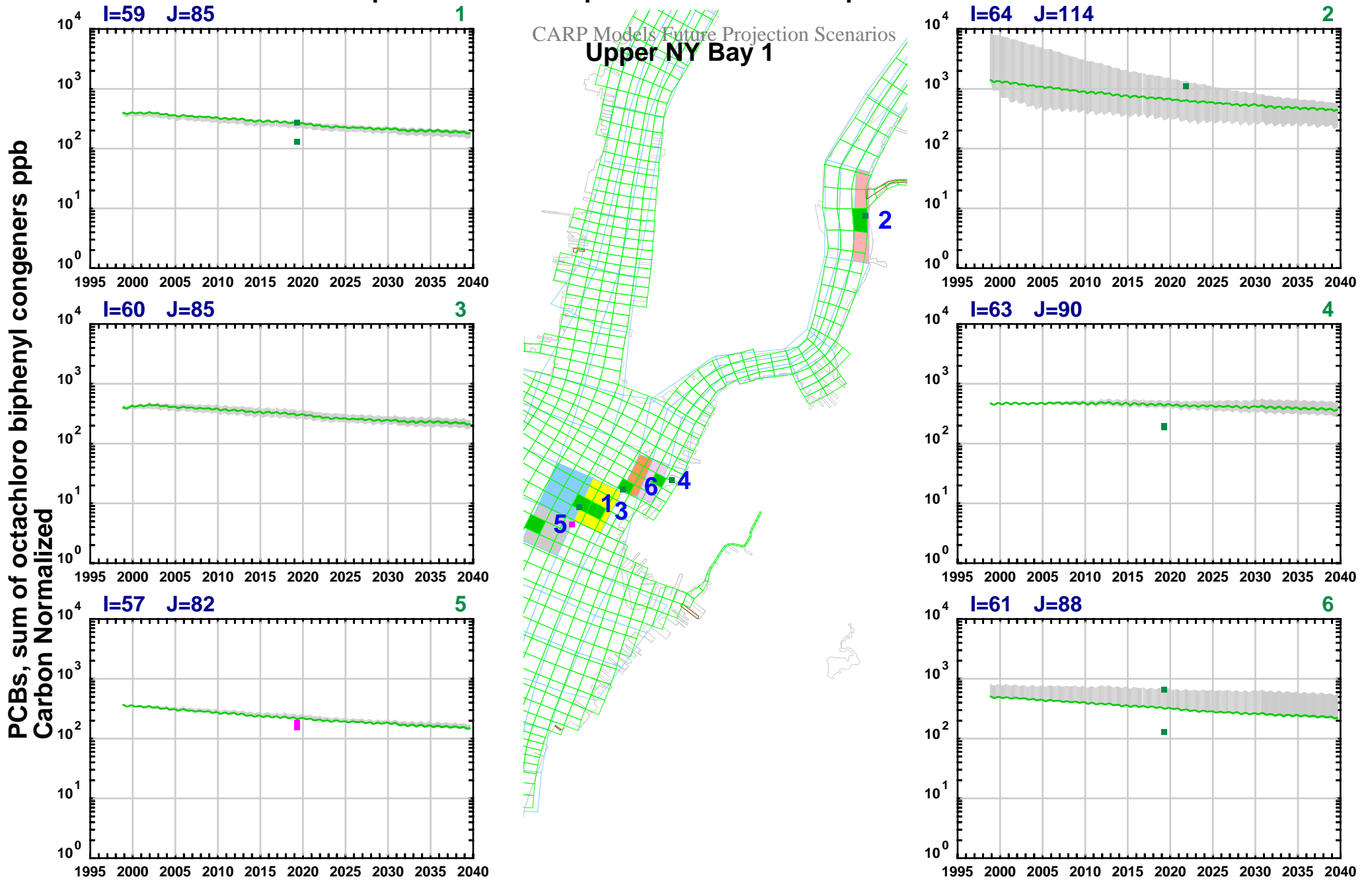
CARP Models Future Projection Scenarios
Hudson/East Rivers

RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

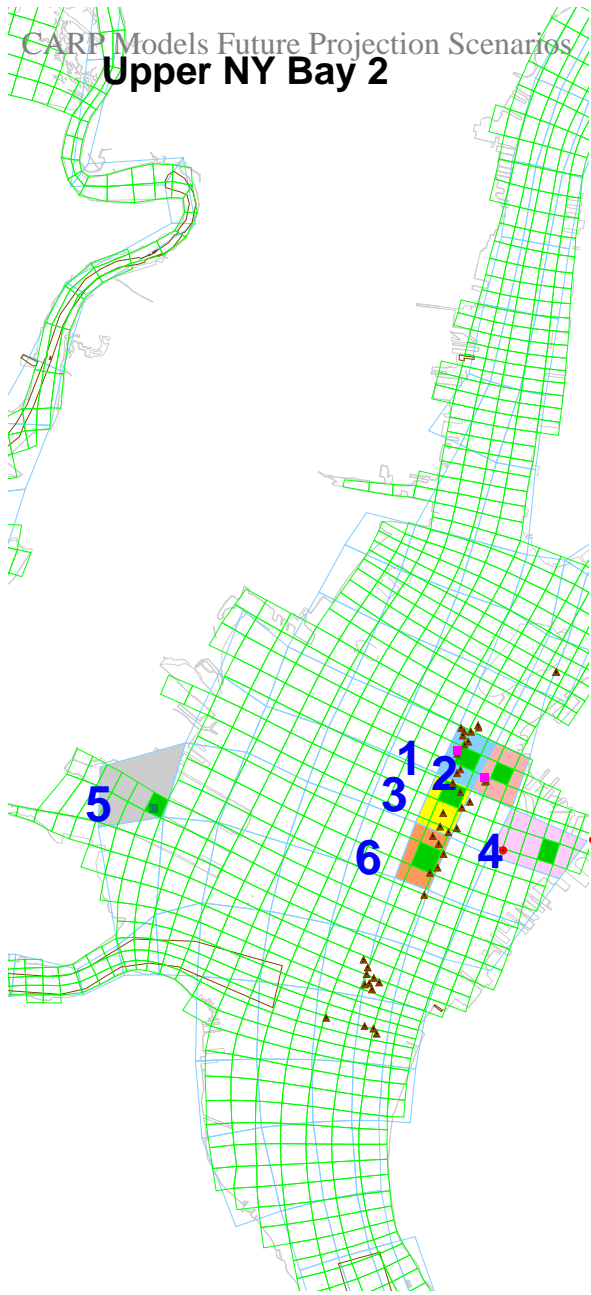
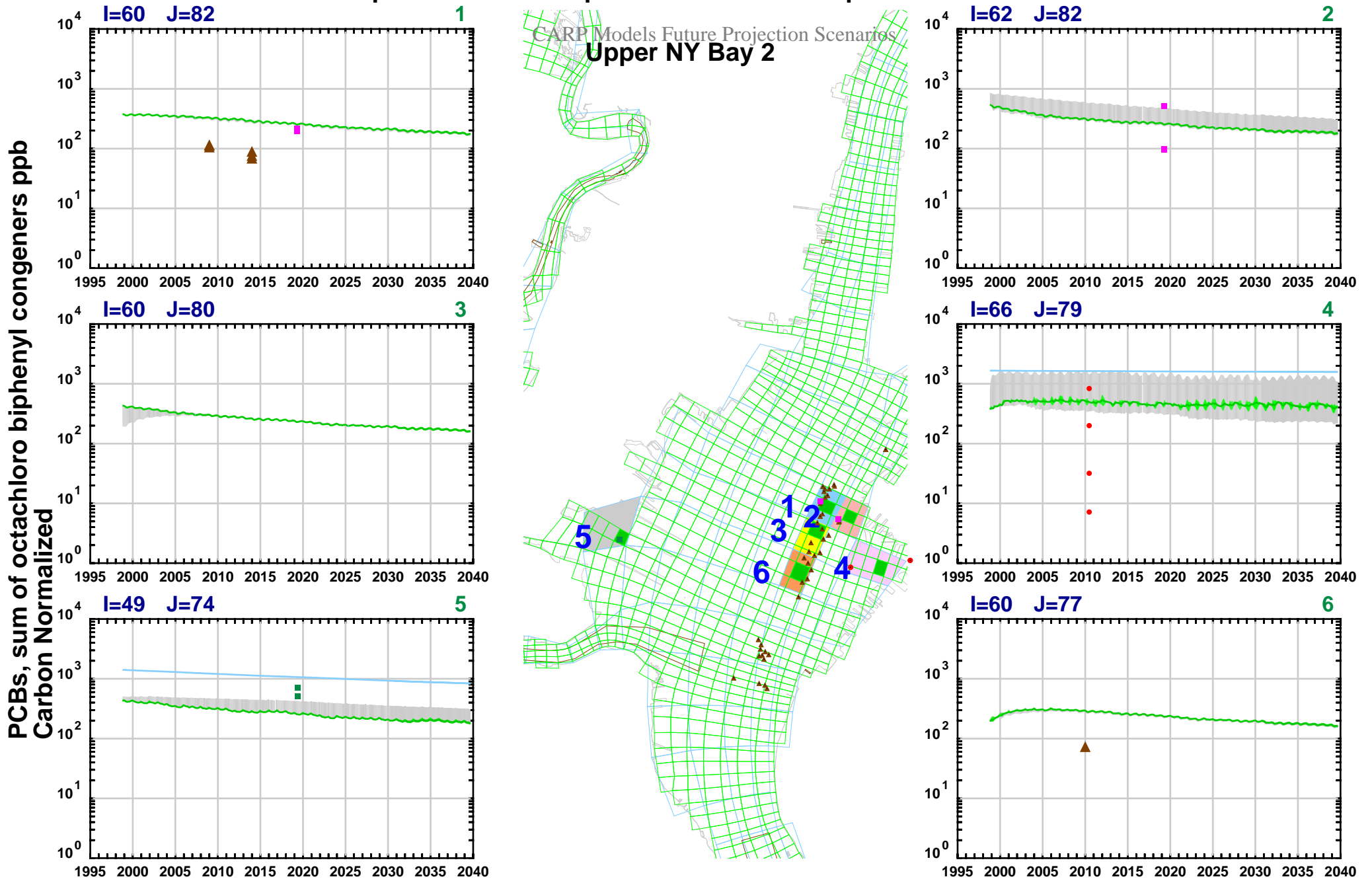


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment

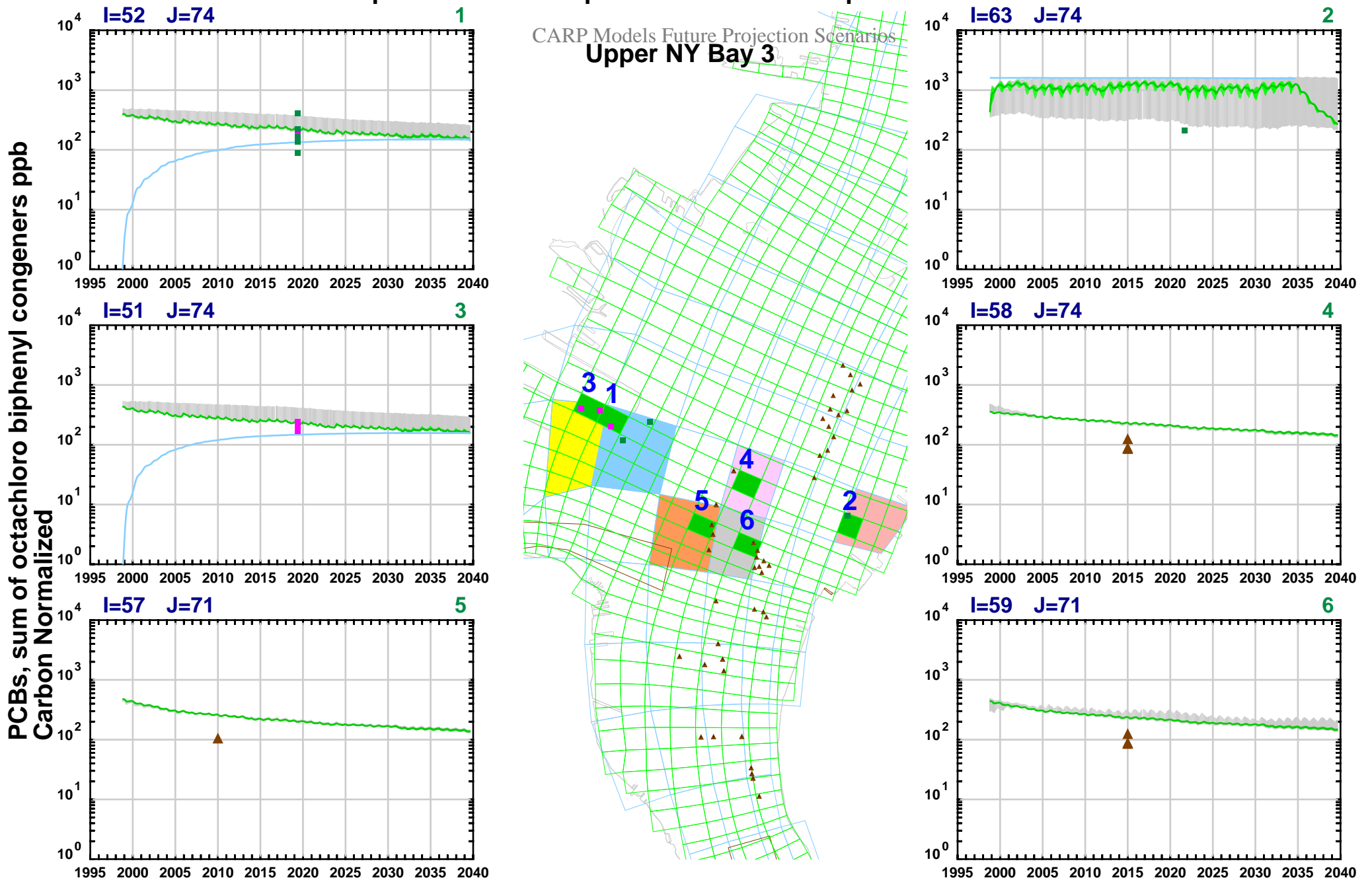


RUN18_PROJ01_PROJ02_R1

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

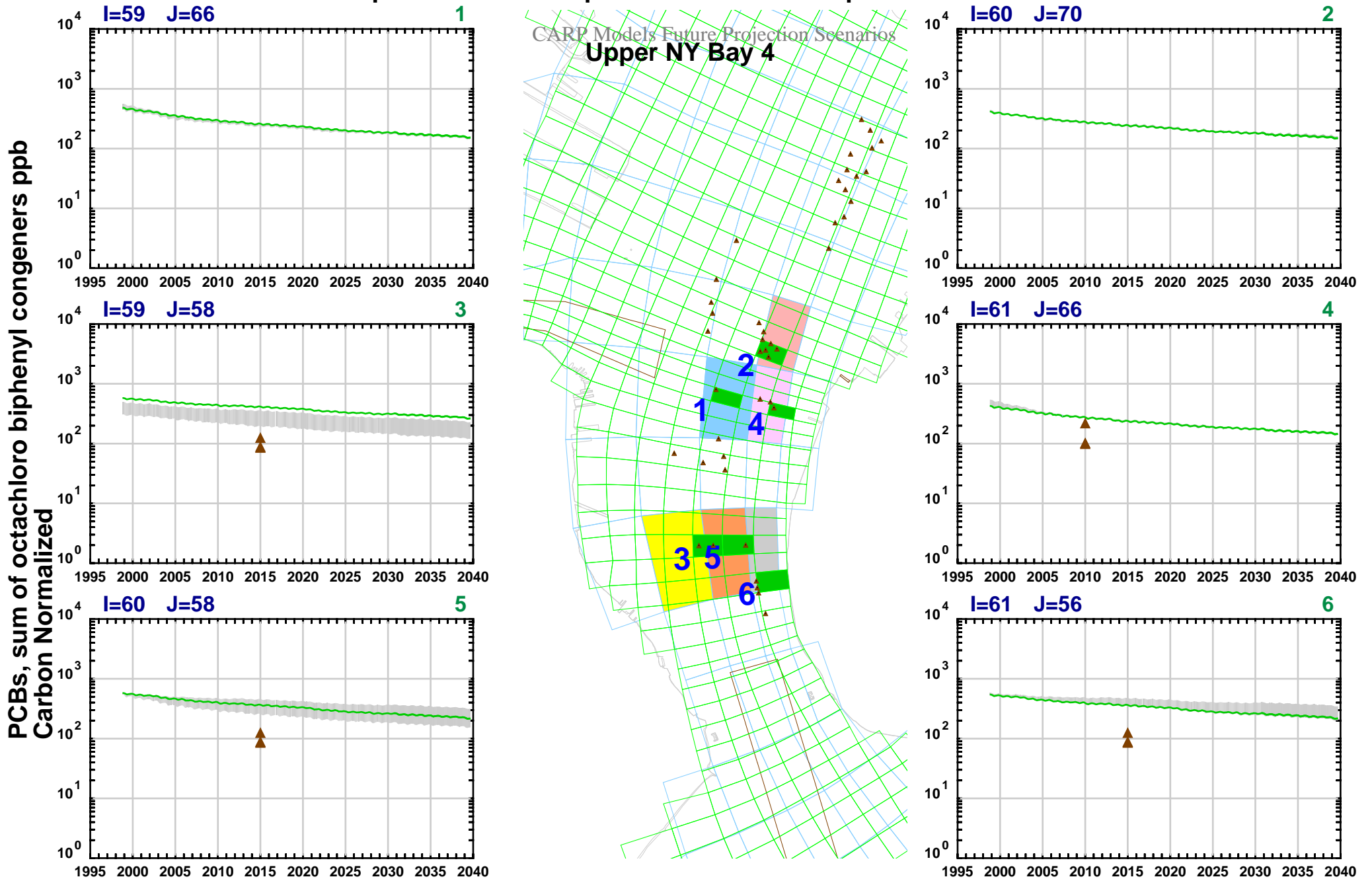
● In-channel data ● Off-channel data ▲ Dredge data
 ■ CARP2 In-channel ■ CARP2 Off-channel

Top 15 cm data comparison with model top 10 cm sediment



RUN18_PROJ01_PROJ02_R1

Top 15 cm data comparison with model top 10 cm sediment

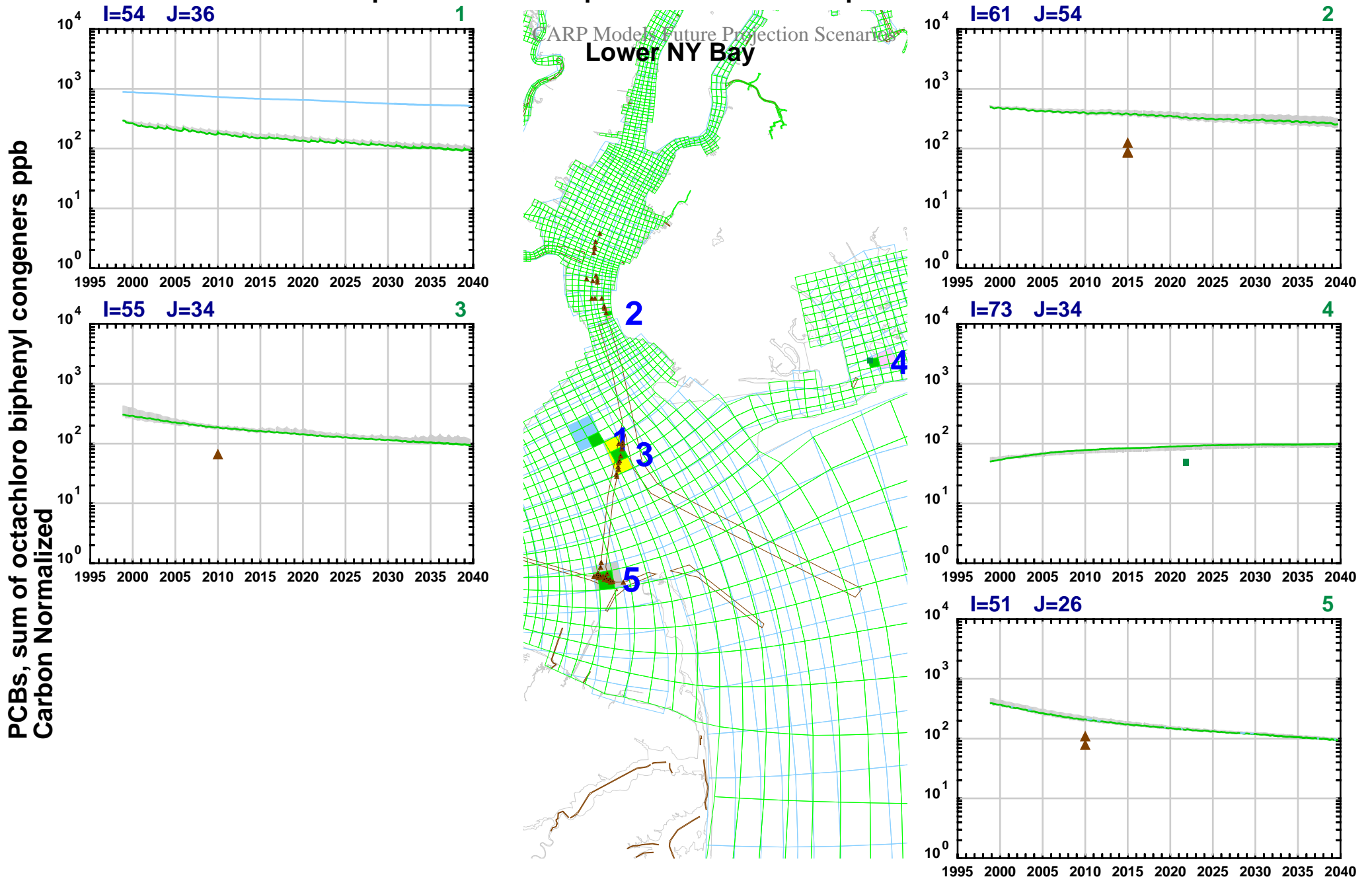


RUN18_PROJ01_PROJ02_R1

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

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

Top 15 cm data comparison with model top 10 cm sediment



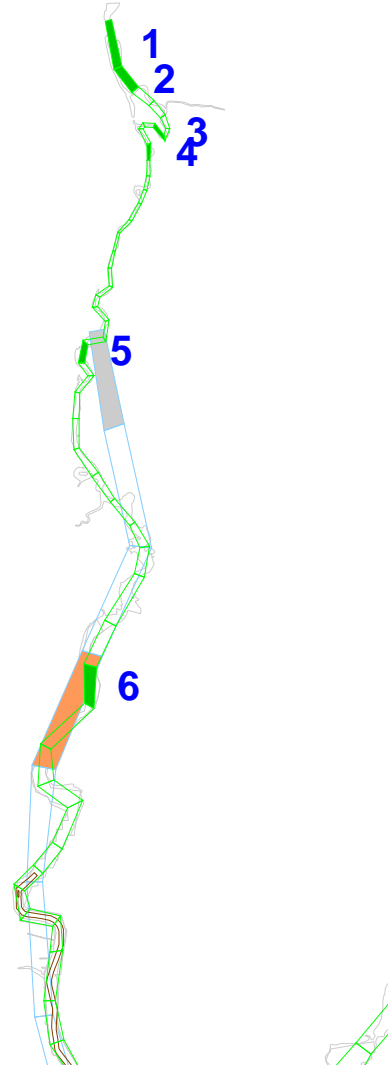
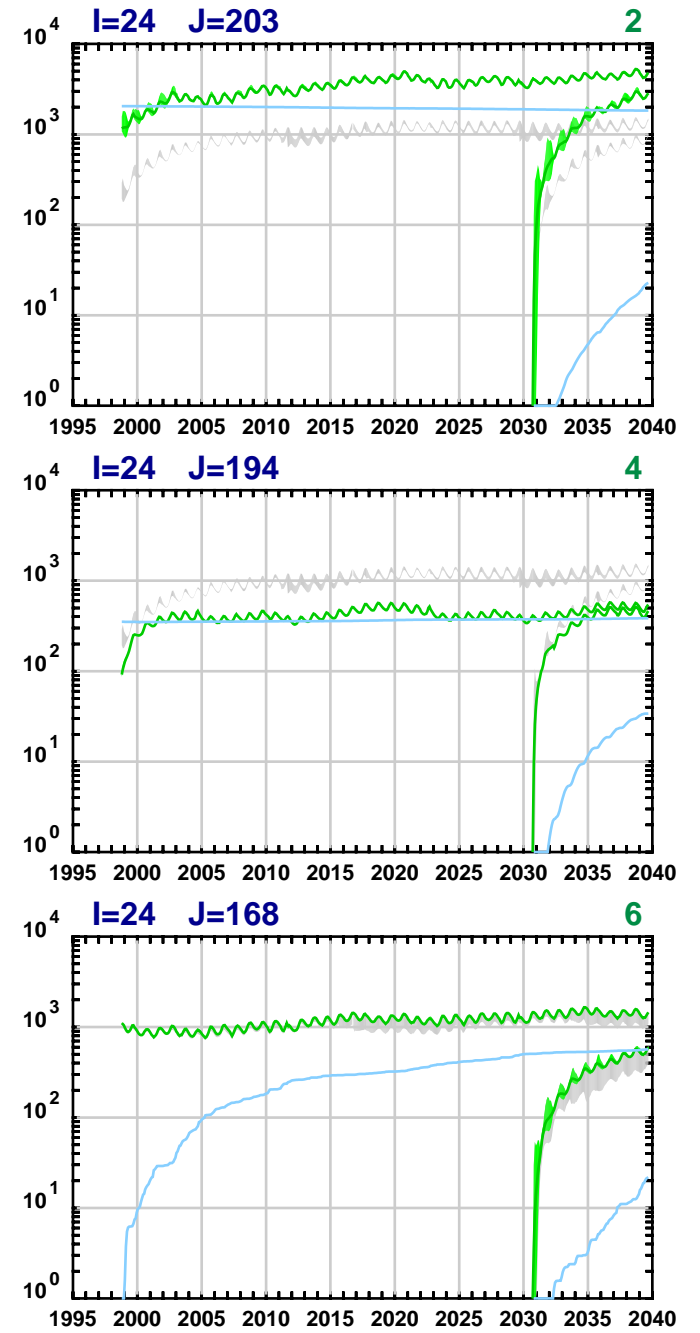
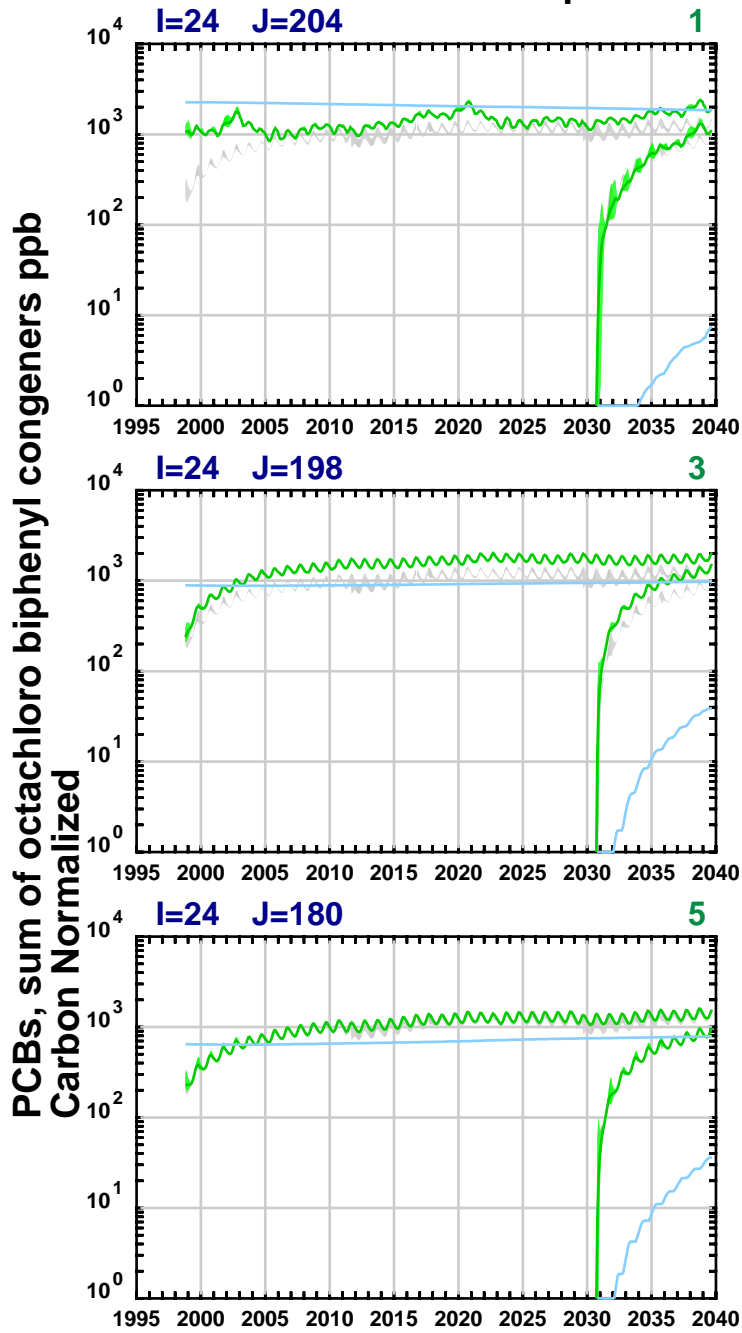
RUN18_PROJ01_PROJ02_R1

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

● In-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

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