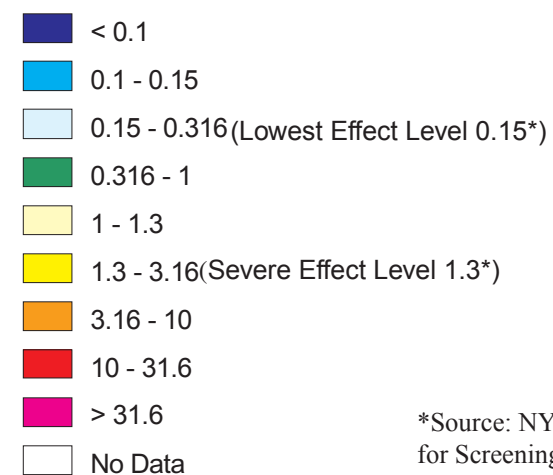


Concentration
(mg/kg dw)



1992 data, detect
 1992 data, non-detect
 2000 data, detect
 2000 data, non-detect
 9 meter bathymetric contour

0 1000 2000 3000 4000 5000 6000
Meters

0 5000 10000 15000 20000
Feet

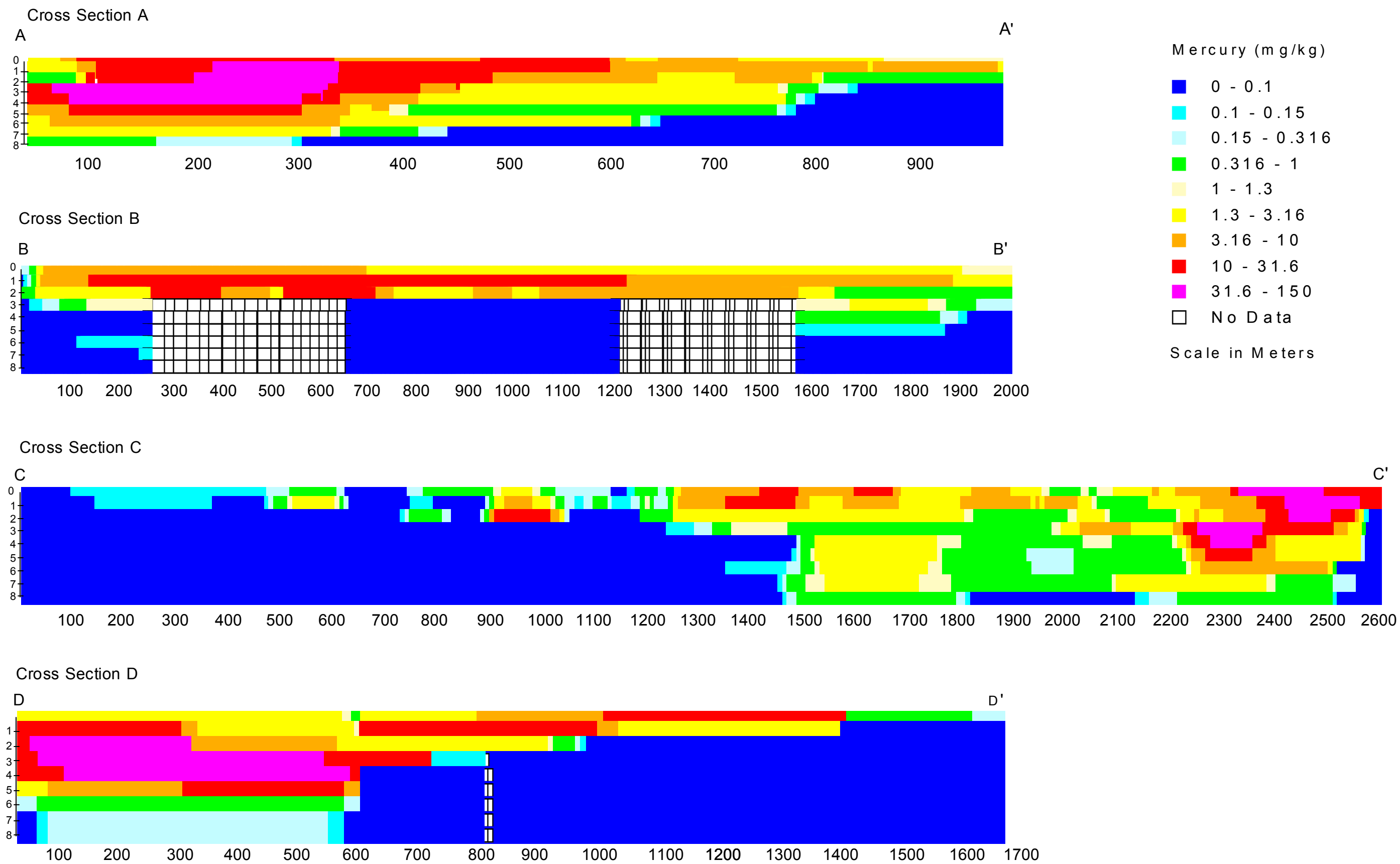


*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999

Onondaga Lake RI

Figure 5-2
Mercury Concentrations in Onondaga Lake
Sediments, 0 to 8 m Depth Intervals

TAMS

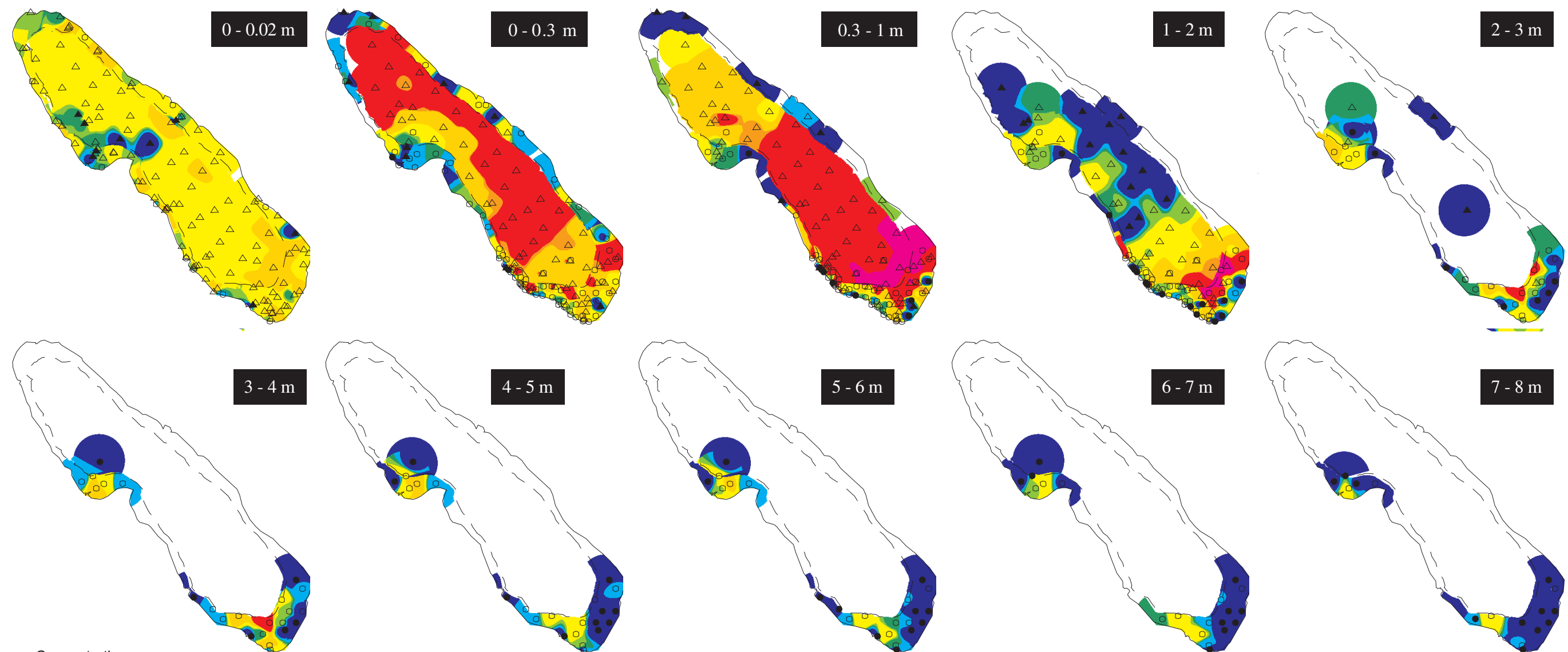


See Figure 5-1 for cross section locations.
See Figure 5-2 for map view.

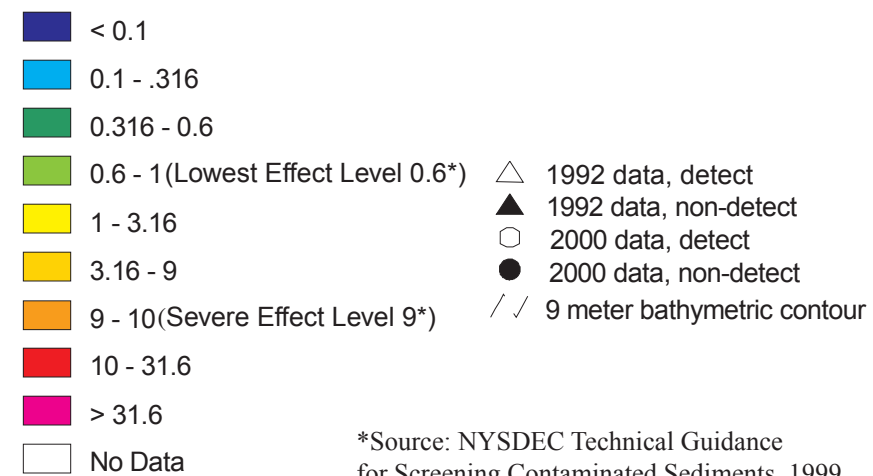
Onondaga Lake RI

Figure 5-3
Mercury Cross Sections

TAMS



Concentration
(mg/kg dw)



*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999

0 1000 2000 3000 4000 5000 6000
Meters

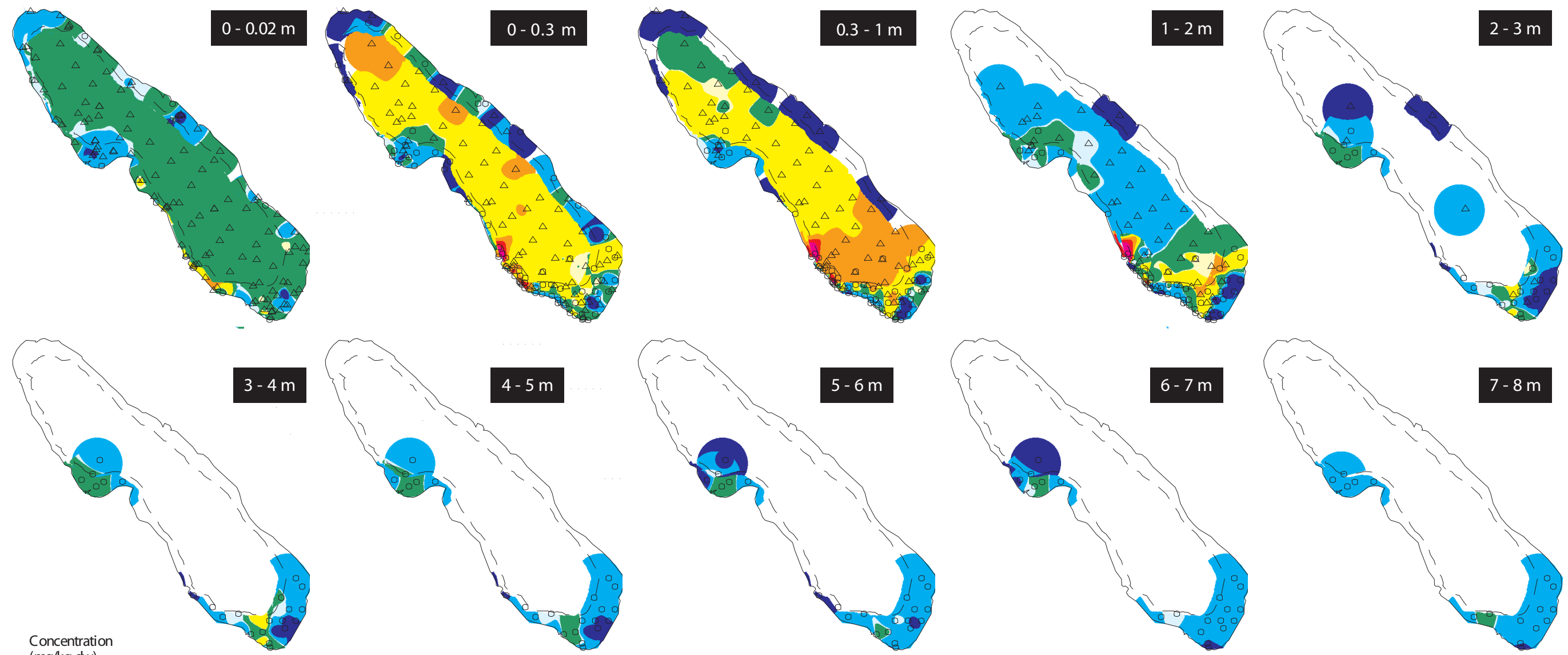
0 5000 10000 15000 20000
Feet



Onondaga Lake RI

Figure 5-4
Cadmium Concentrations in Onondaga Lake
Sediments, 0 to 8 m Depth Intervals

TAMS



Concentration
(mg/kg dw)

- < 10
- 10 - 26
- 26 - 31.6 (Lowest Effect Level 26*)
- 31.6 - 100
- 100 - 110
- 110 - 316 (Severe Effect Level 110*)
- 316 - 1,000
- 1,000 - 3,160
- > 3,160
- No Data

- 1992 data, detect
- 1992 data, non-detect
- 2000 data, detect
- 2000 data, non-detect
- 9 meter bathymetric contour

*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999

0 1000 2000 3000 4000 5000 6000
Meters

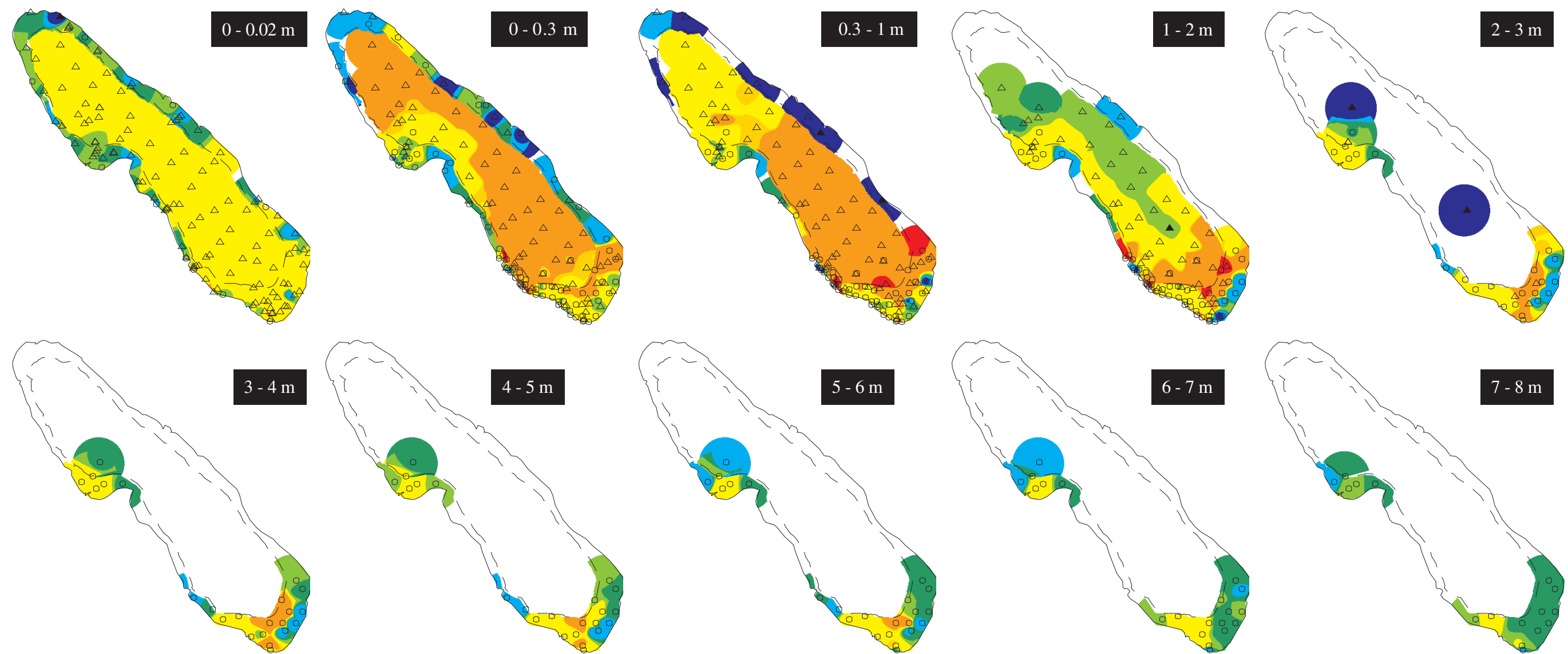
0 5000 10000 15000 20000
Feet



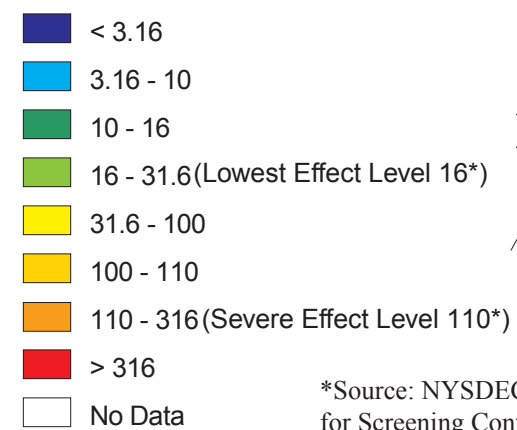
Onondaga Lake RI

Figure 5-5
Chromium Concentrations in Onondaga Lake
Sediments, 0 to 8 m Depth Intervals

TAMS



Concentration
(mg/kg dw)



- 1992 data, detect
- 1992 data, non-detect
- 2000 data, detect
- 2000 data, non-detect
- 9 meter bathymetric contour

*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999

0 1000 2000 3000 4000 5000 6000
Meters

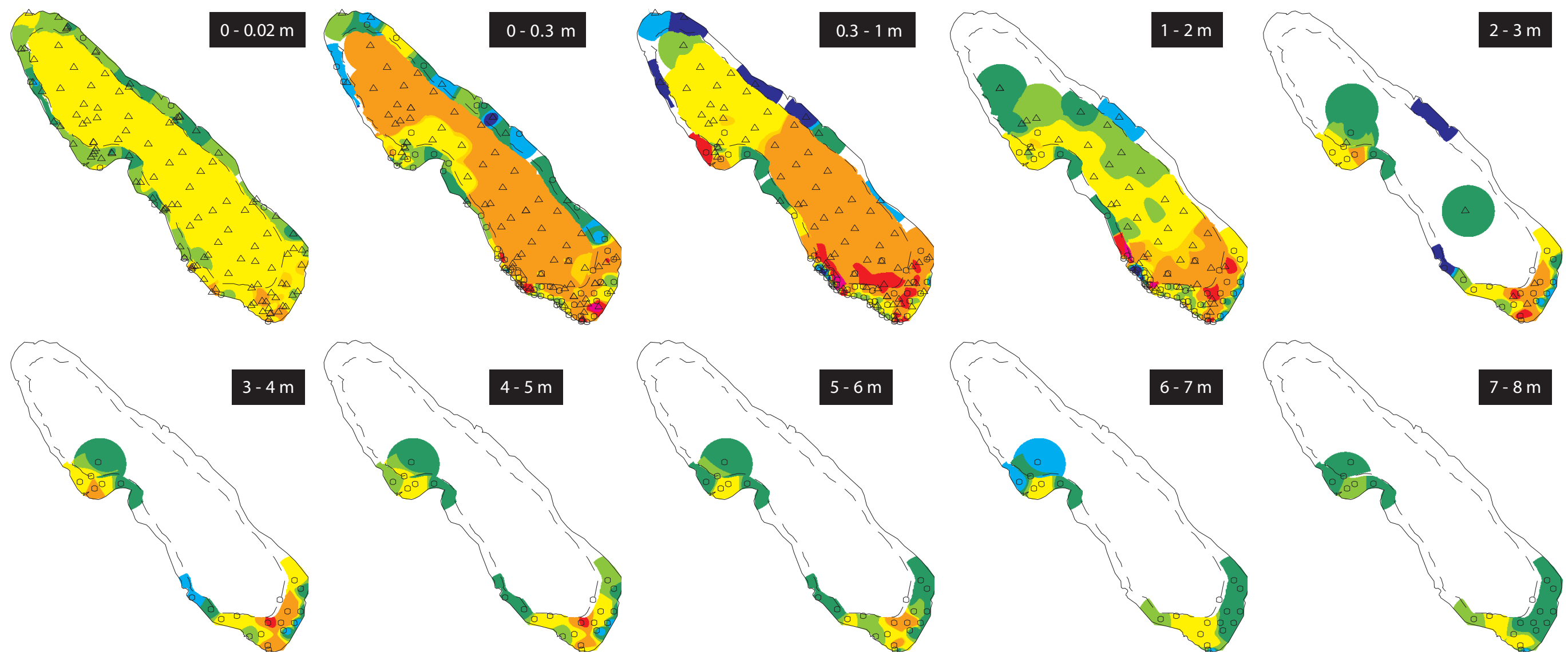
0 5000 10000 15000 20000
Feet



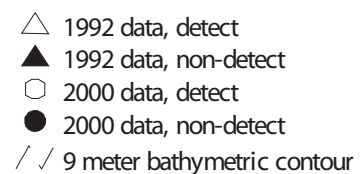
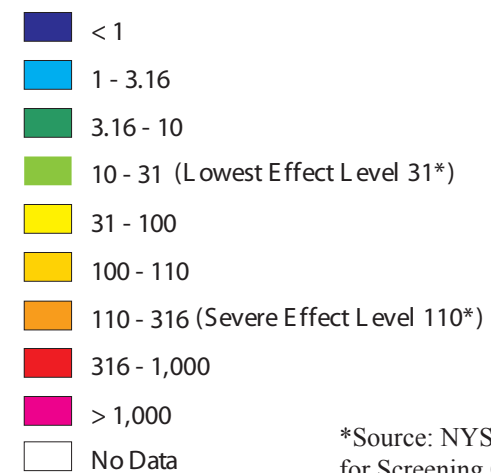
Onondaga Lake RI

Figure 5-6
Copper Concentrations in Onondaga Lake
Sediments, 0 to 8 m Depth Intervals

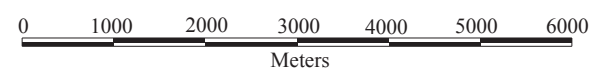
TAMS



Concentration
(mg/kg dw)



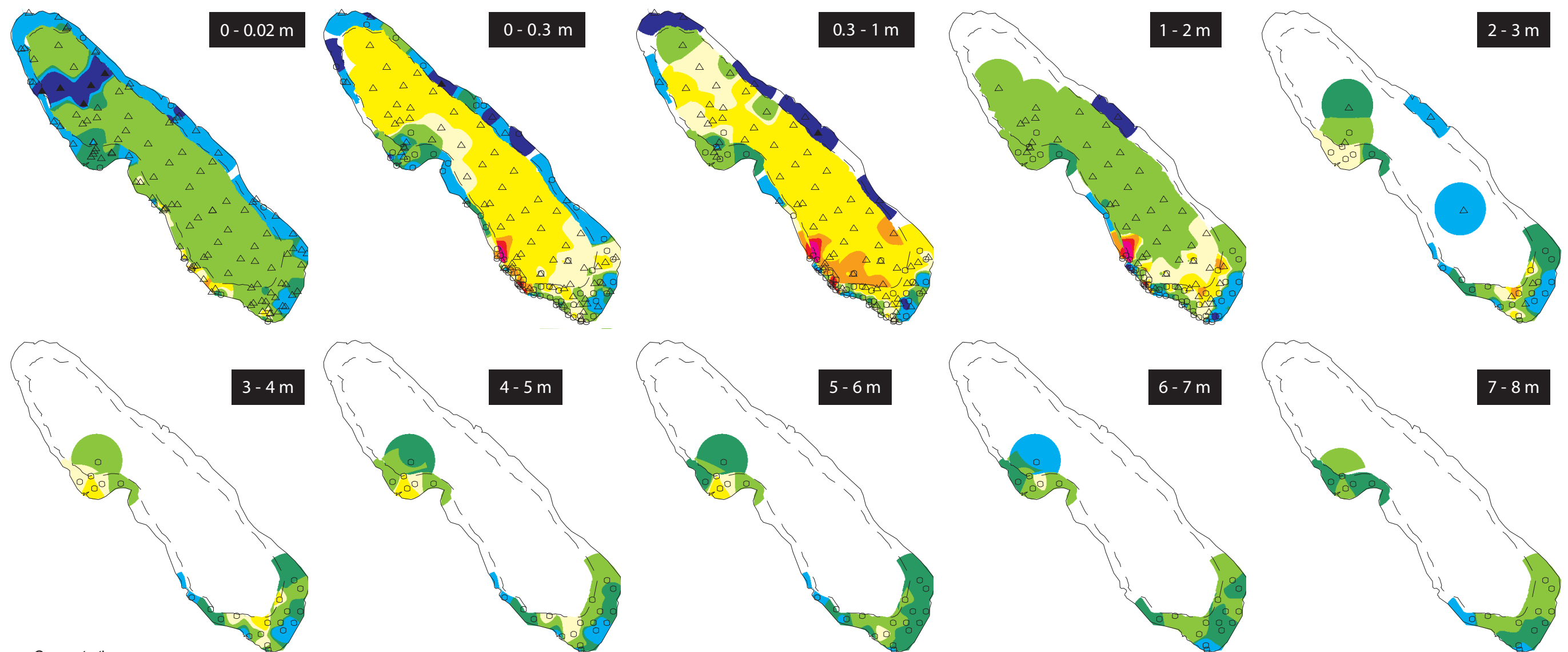
*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999



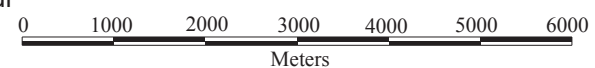
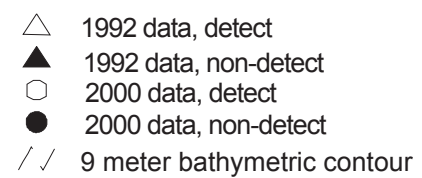
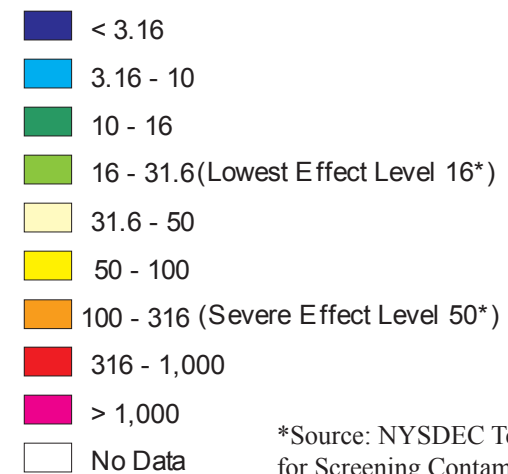
Onondaga Lake RI

Figure 5-7
Lead Concentrations in Onondaga Lake
Sediments, 0 to 8 m Depth Intervals

TAMS



Concentration
(mg/kg dw)



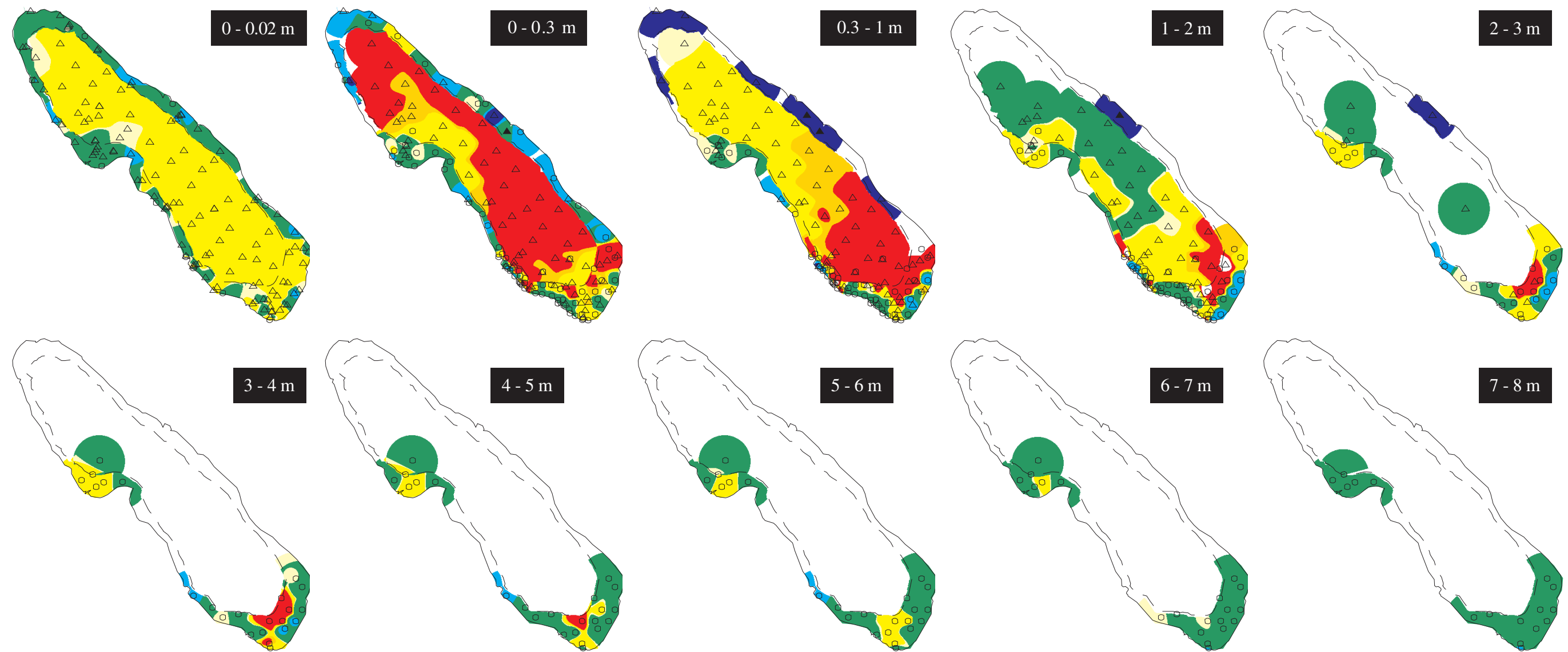
*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999



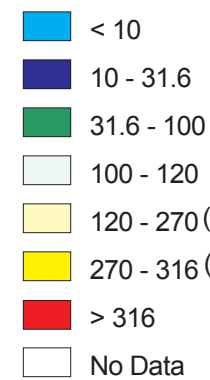
Onondaga Lake RI

Figure 5-8
Nickel Concentrations in Onondaga Lake
Sediments, 0 to 8 m Depth Intervals

TAMS

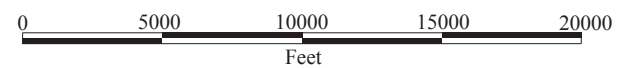
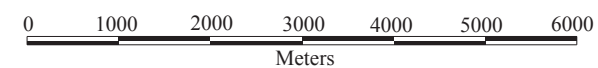


Concentration
(mg/kg dw)



- △ 1992 data, detect
- ▲ 1992 data, non-detect
- 2000 data, detect
- 2000 data, non-detect
- / / 9 meter bathymetric contour

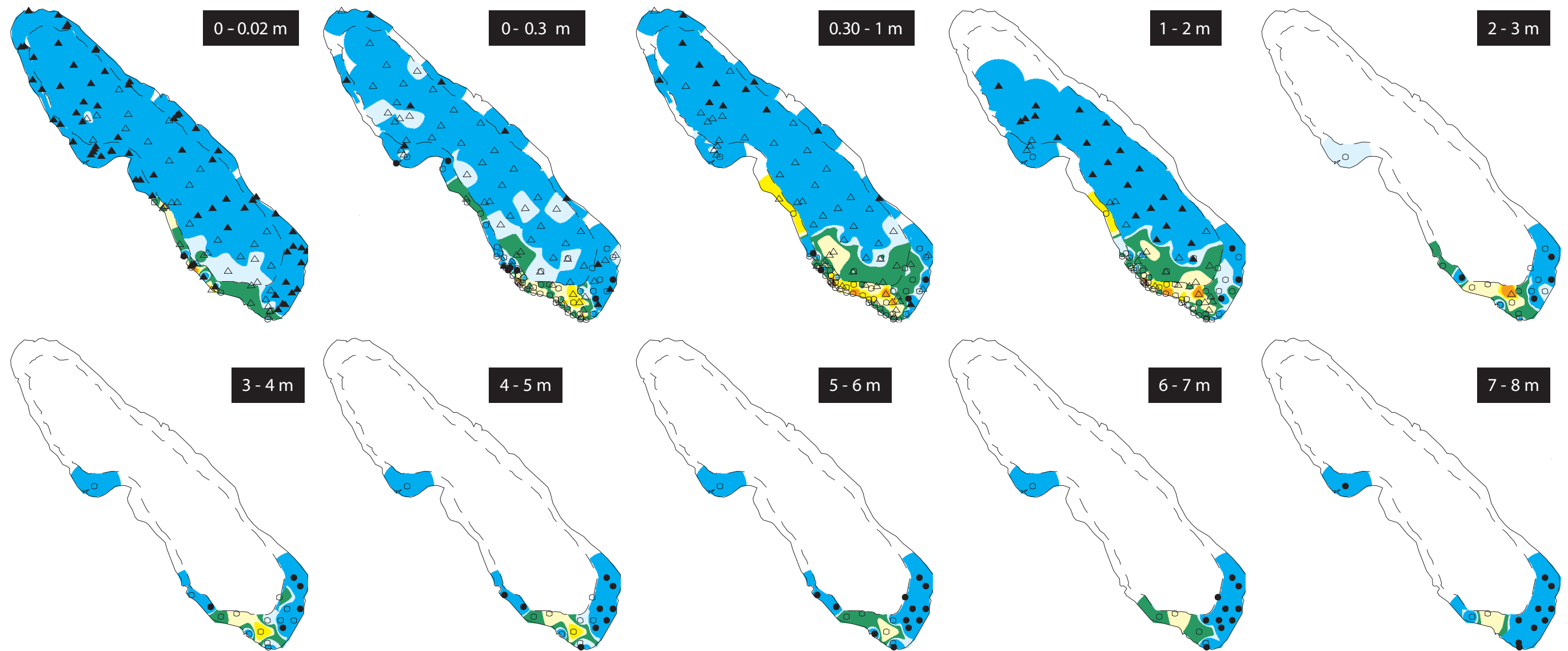
*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999



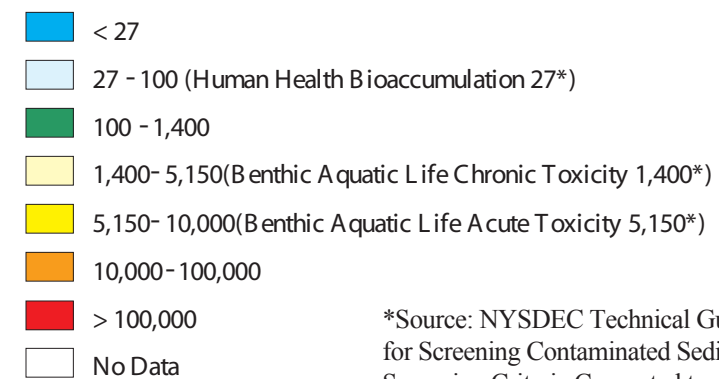
Onondaga Lake RI

Figure 5-9
Zinc Concentrations in Onondaga Lake
Sediments, 0 to 8 m Depth Intervals

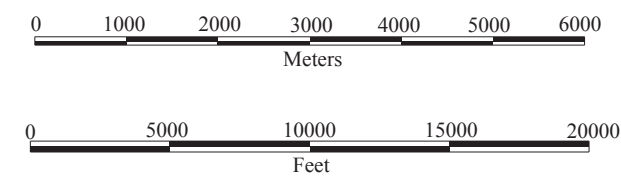
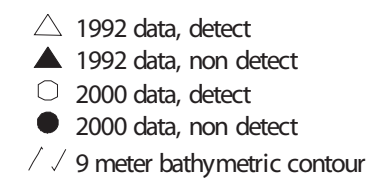
TAMS



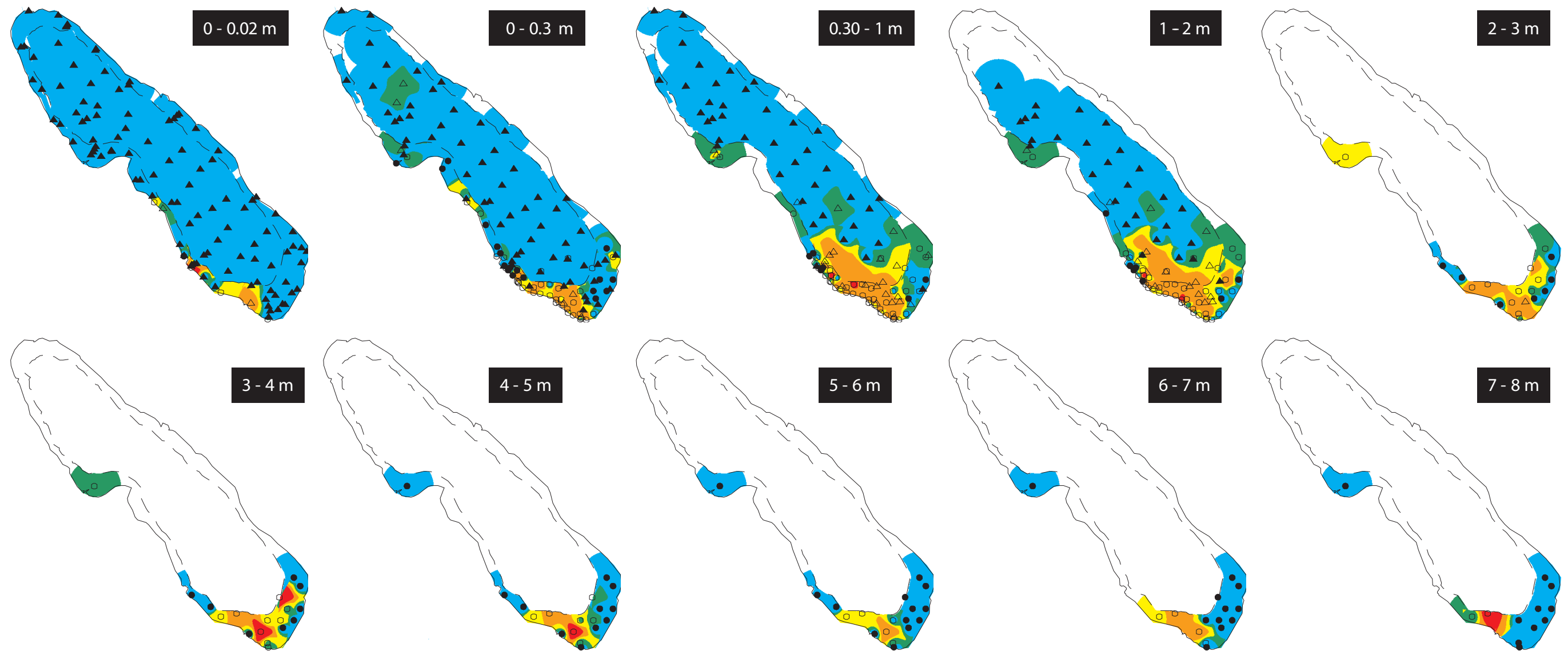
Concentration
(µg/kg dw)



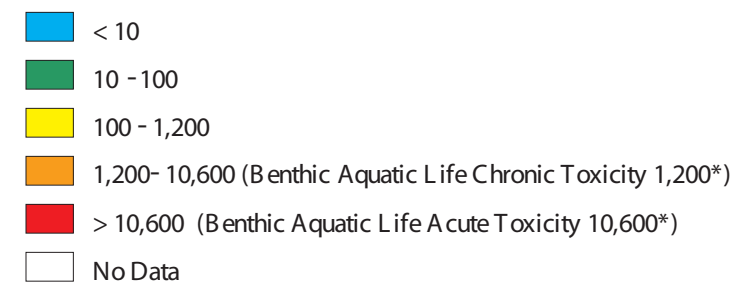
*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to µg/kg dw based
on 5% Total Organic Carbon



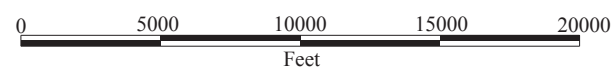
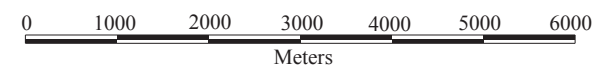
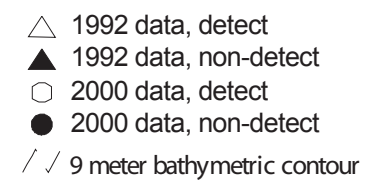
Onondaga Lake RI	Figure 5-10 Benzene Concentrations in Onondaga Lake Sediments, 0 to 8 m Depth Intervals	
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Concentration
($\mu\text{g/kg dw}$)



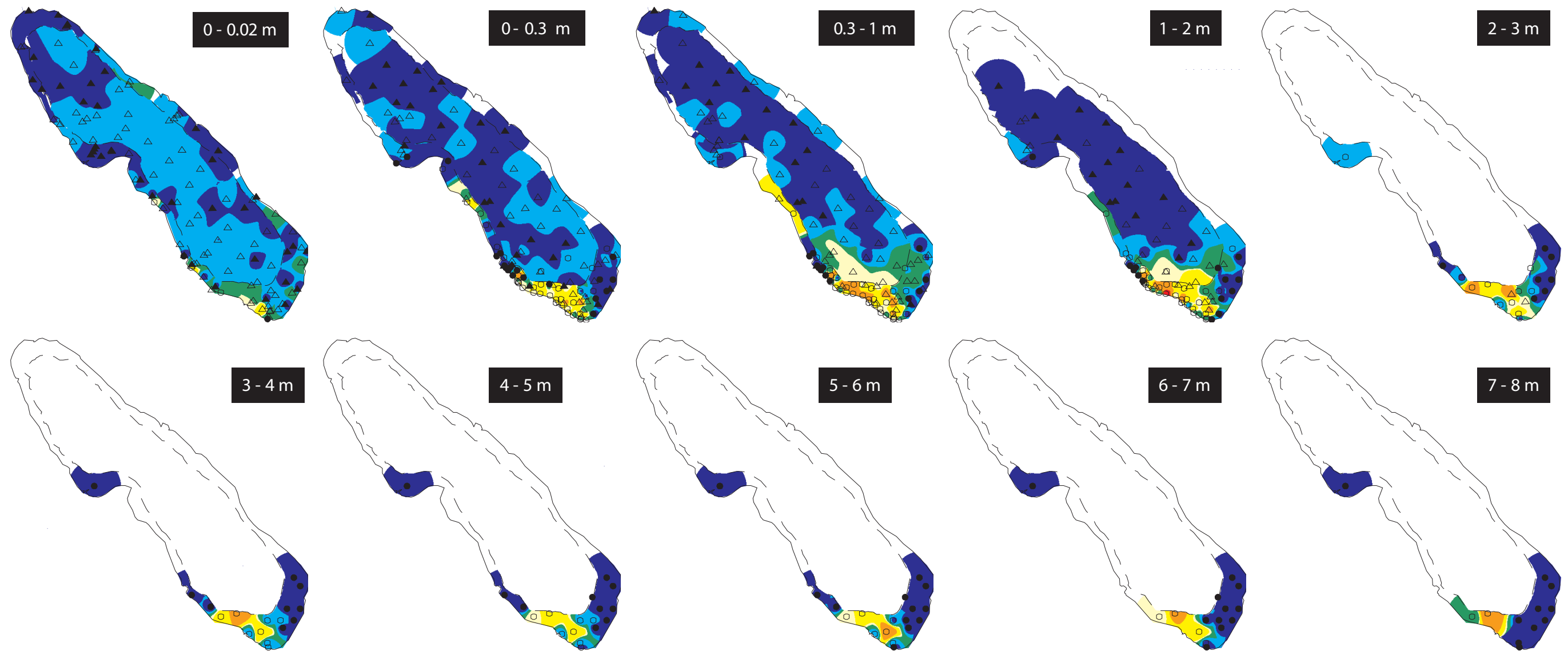
*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to $\mu\text{g/kg dw}$ based
on 5% Total Organic Carbon



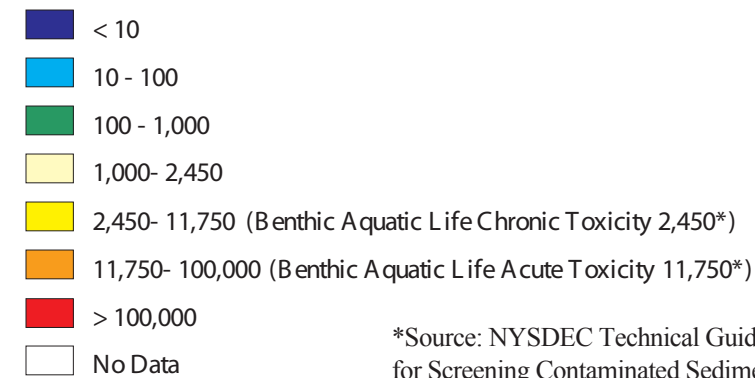
Onondaga Lake RI

Figure 5-11
Ethylbenzene Concentrations in Onondaga
Lake Sediments, 0 to 8 m Depth Intervals

TAMS



Concentration
($\mu\text{g/kg dw}$)



*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to $\mu\text{g/kg dw}$ based
on 5% Total Organic Carbon

- 1992 data, detect
- 1992 data, non-detect
- 2000 data, detect
- 2000 data, non-detect
- 9 meter bathymetric contour

0 1000 2000 3000 4000 5000 6000
Meters

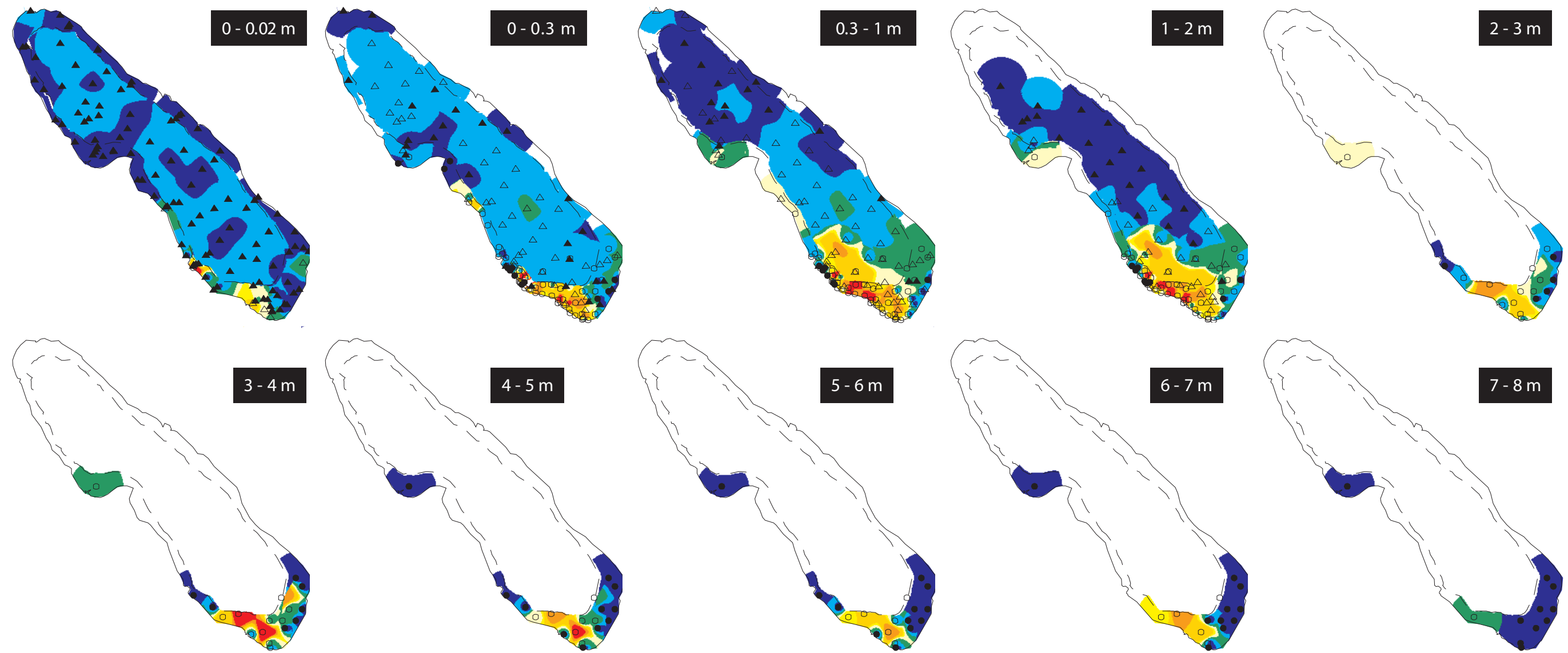
0 5000 10000 15000 20000
Feet



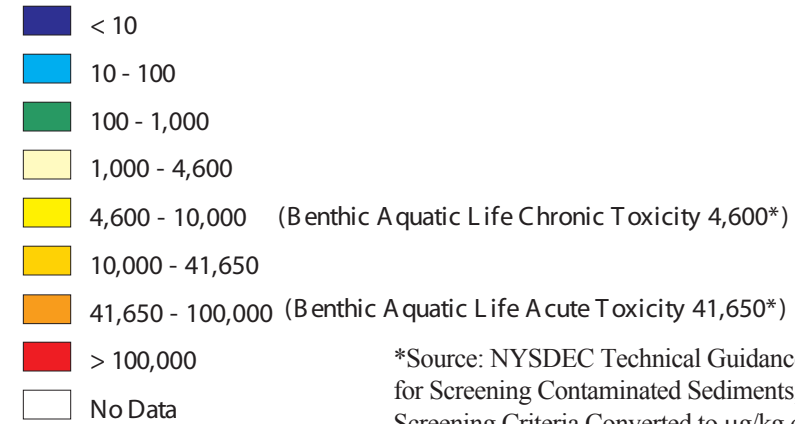
Onondaga Lake RI

Figure 5-12
Toluene Concentrations in Onondaga
Lake Sediments, 0 to 8 m Depth Intervals

TAMS

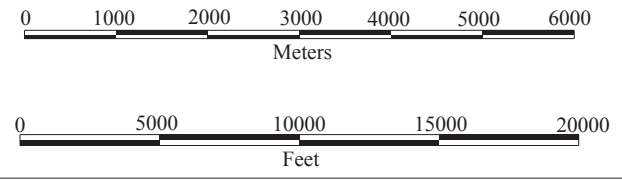


Concentration
($\mu\text{g/kg dw}$)



*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to $\mu\text{g/kg dw}$ based
on 5% Total Organic Carbon

- \triangle 1992 data, detect
- \blacktriangle 1992 data, non-detect
- \square 2000 data, detect
- \bullet 2000 data, non-detect
- / / 9 meter bathymetric contour

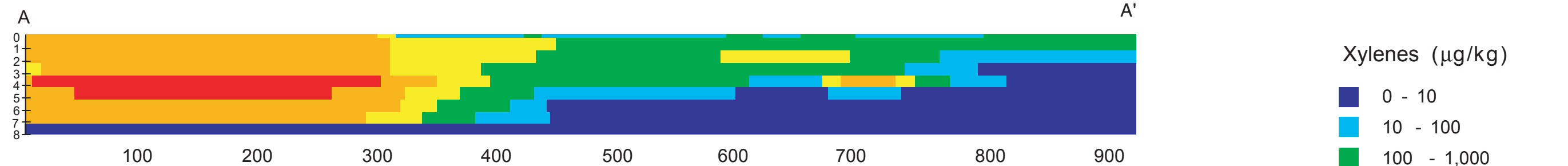


Onondaga Lake RI

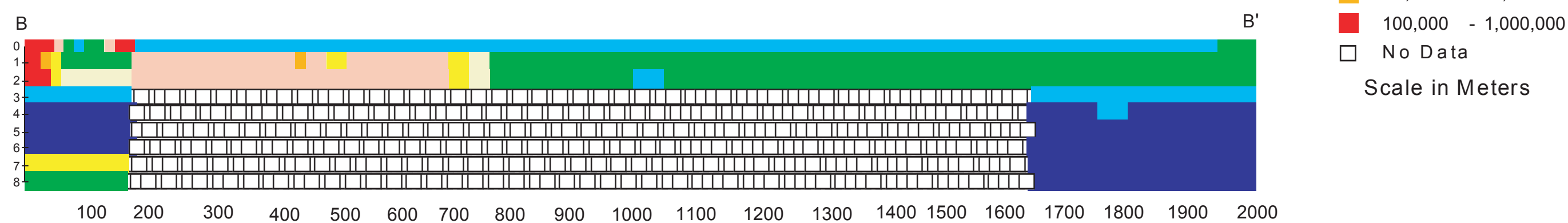
Figure 5-13
Xylenes Concentrations in Onondaga
Lake Sediments, 0 to 8 m Depth Intervals



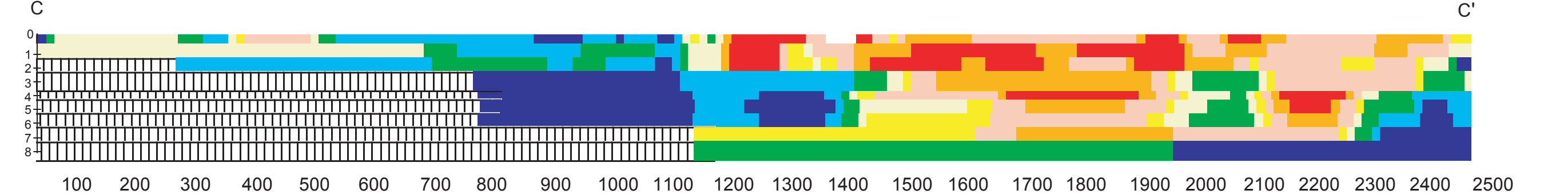
Cross Section A



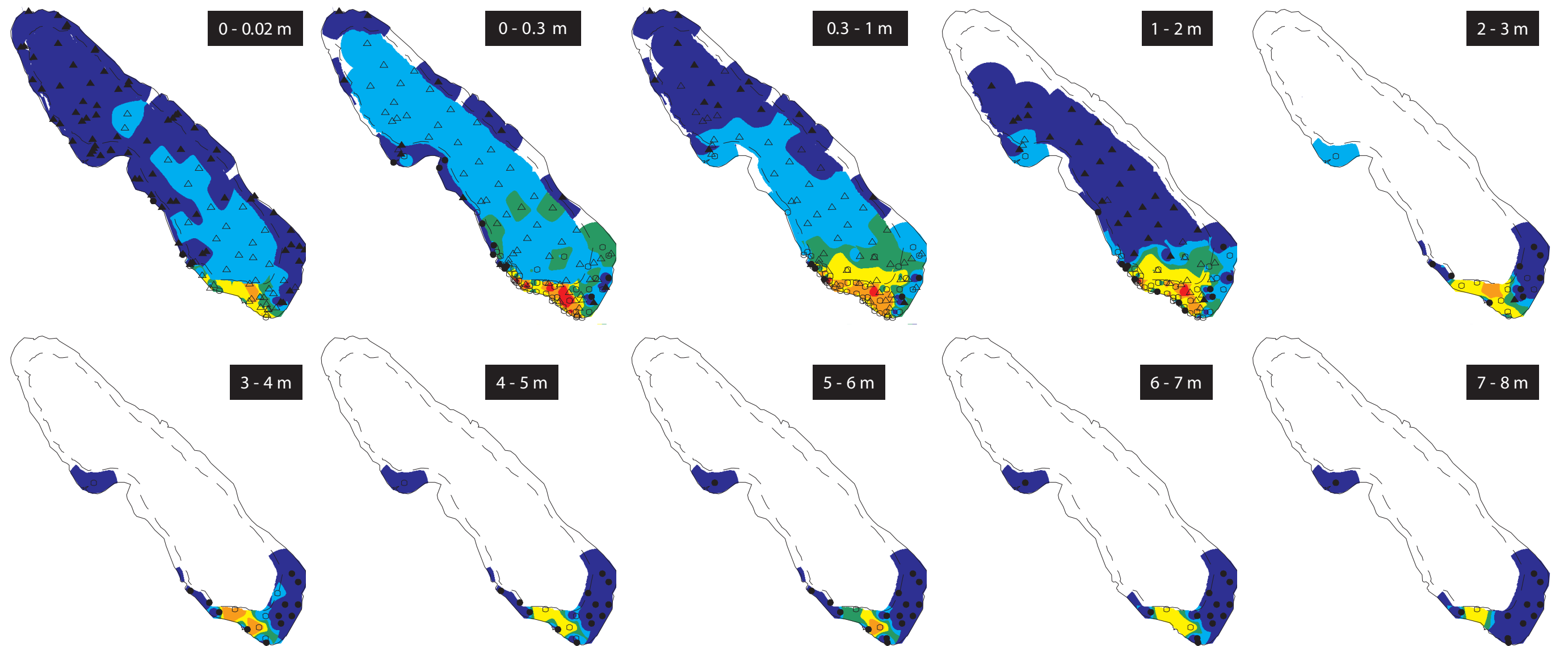
Cross Section B



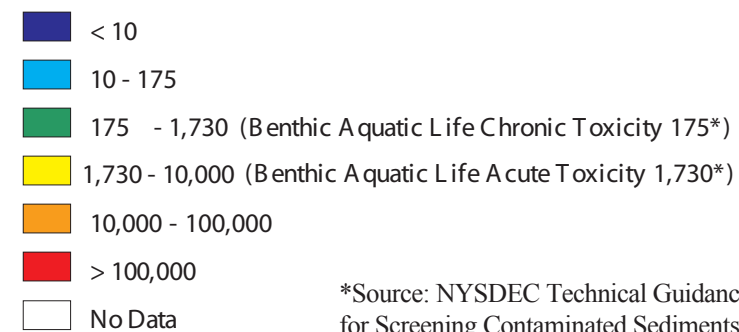
Cross Section C



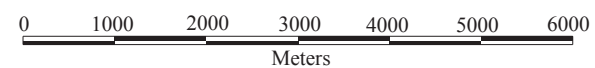
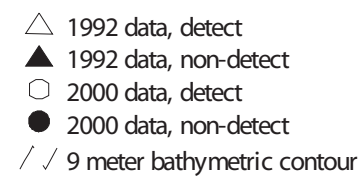
See Figure 5-1 for cross section locations.
See Figure 5-13 for map view.



Concentration
($\mu\text{g/kg dw}$)



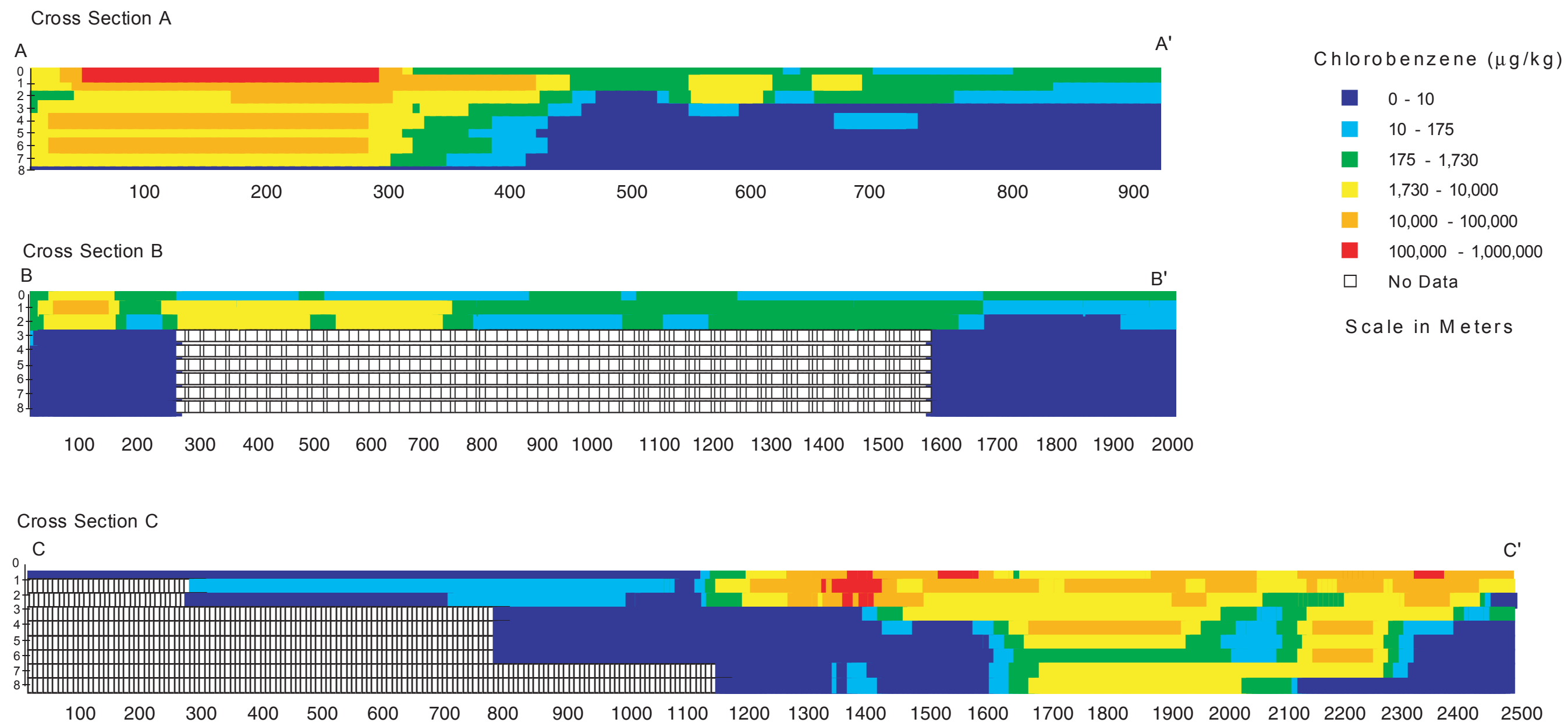
*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to $\mu\text{g/kg dw}$ based
on 5% Total Organic Carbon



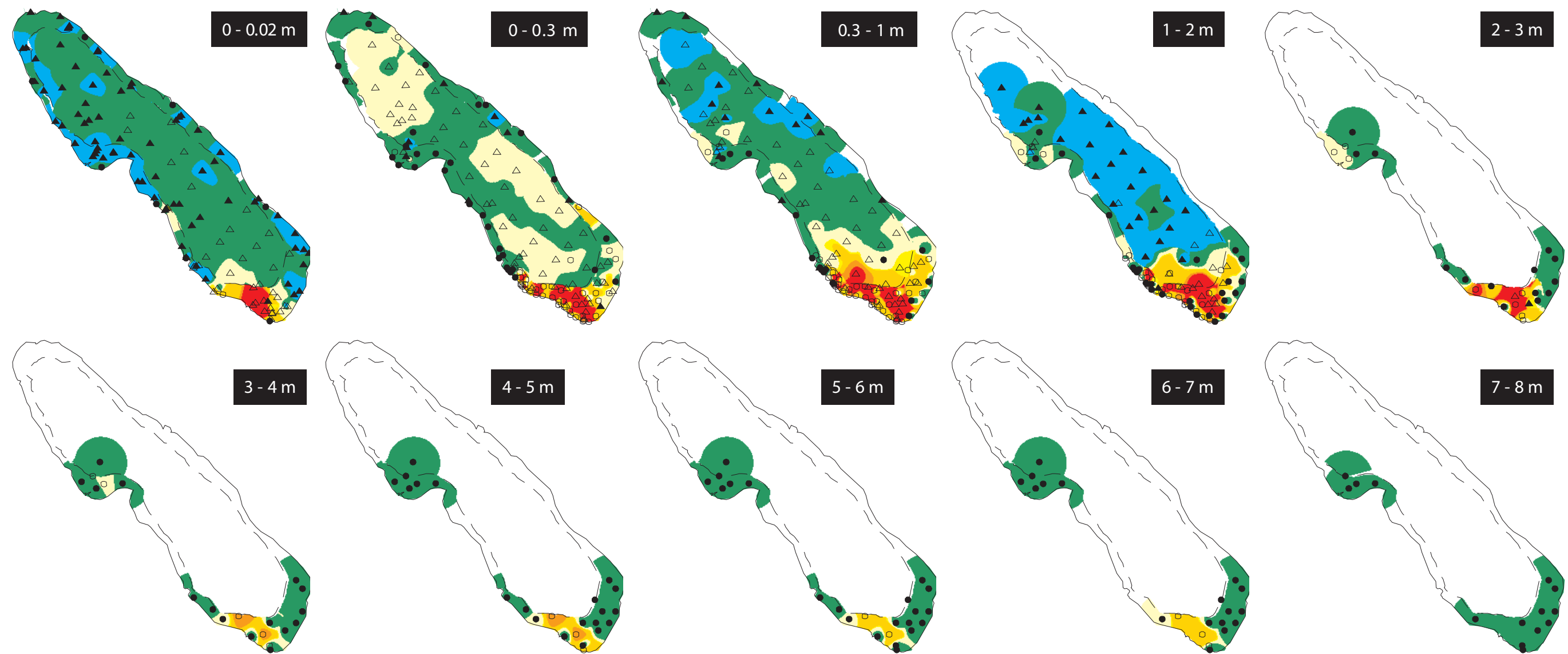
Onondaga Lake RI

Figure 5-15
Chlorobenzene Concentrations in Onondaga
Lake Sediments, 0 to 8 m Depth Intervals

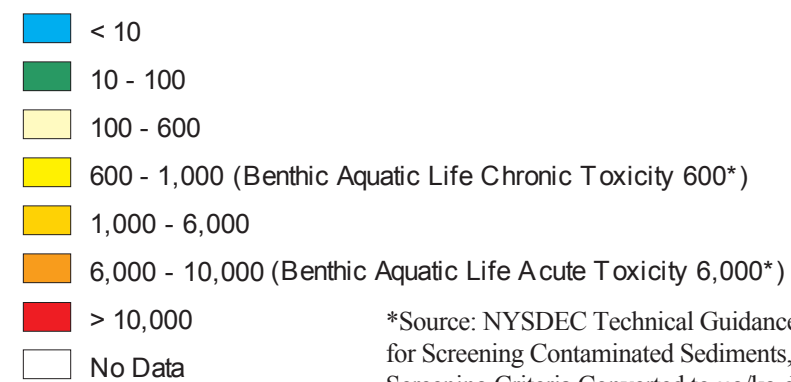
TAMS



See Figure 5-1 for cross section locations.
 See Figure 5-15 for map view.



Concentration
($\mu\text{g/kg dw}$)



*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to $\mu\text{g/kg dw}$ based
on 5% Total Organic Carbon

- 1992 data, detect
- 1992 data, non-detect
- 2000 data, detect
- 2000 data, non-detect
- 9 meter bathymetric contour

0 1000 2000 3000 4000 5000 6000
Meters

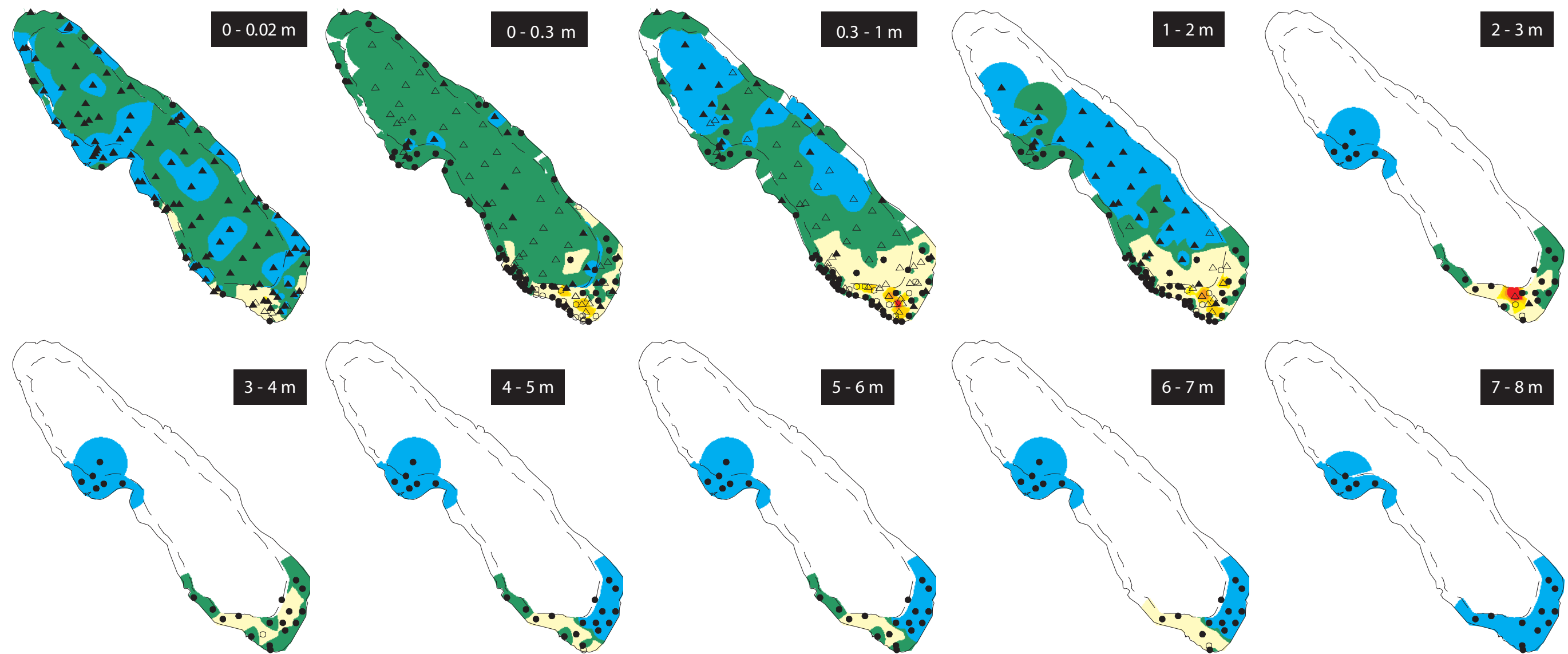
0 5000 10000 15000 20000
Feet



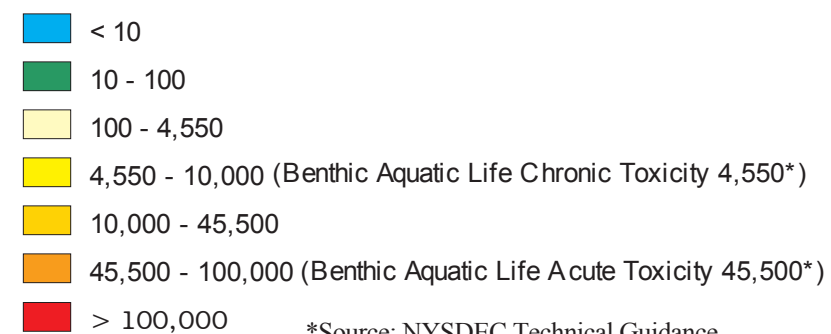
Onondaga Lake RI

Figure 5-17
Dichlorobenzenes Concentrations in Onondaga
Lake Sediments, 0 to 8 m Depth Intervals

TAMS



Concentration
($\mu\text{g/kg dw}$)



*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to $\mu\text{g/kg dw}$ based
on 5% Total Organic Carbon

- △ 1992 data, detect
- ▲ 1992 data, non-detect
- 2000 data, detect
- 2000 data, non-detect
- / / 9 meter bathymetric contour

0 1000 2000 3000 4000 5000 6000
Meters

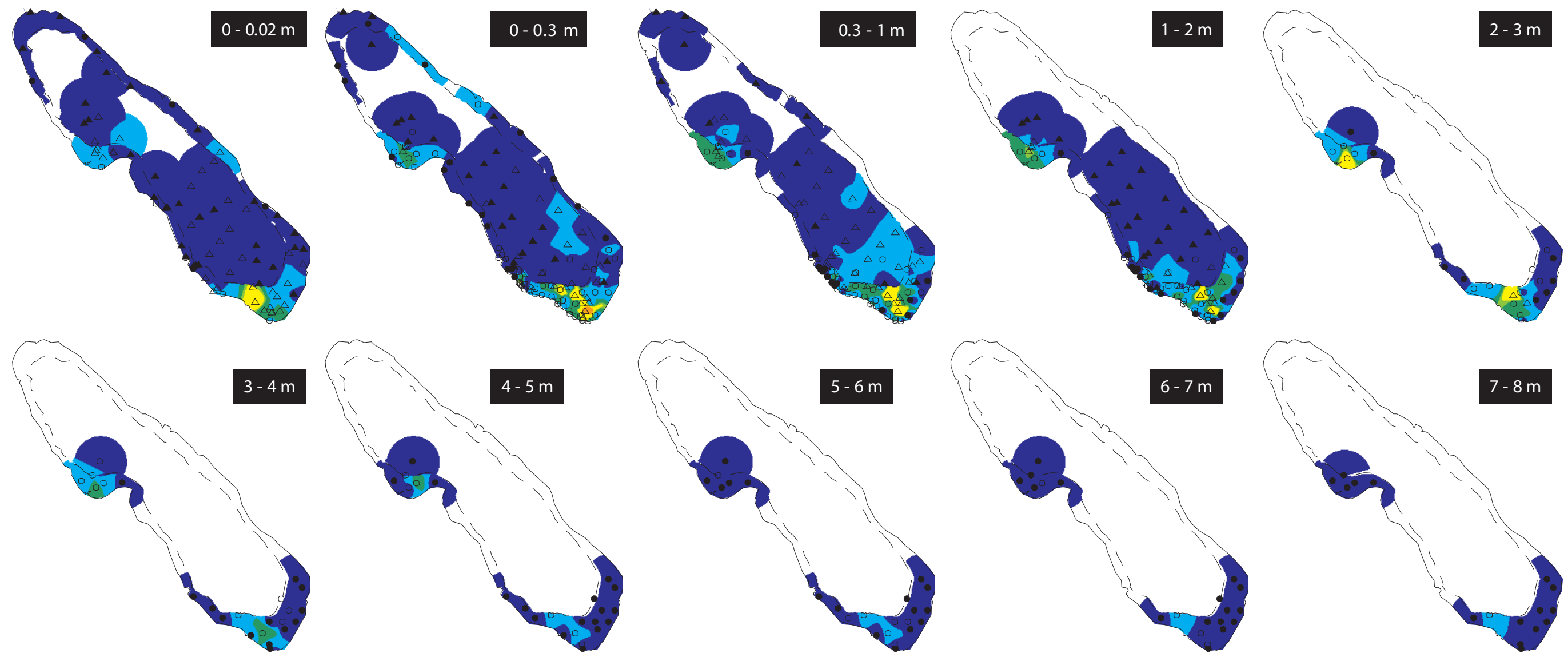
0 5000 10000 15000 20000
Feet



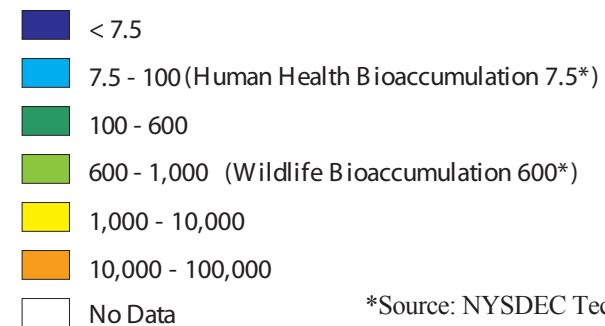
Onondaga Lake RI

Figure 5-18
Trichlorobenzenes Concentrations in Onondaga
Lake Sediments, 0 to 8 m Depth Intervals

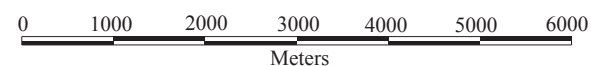
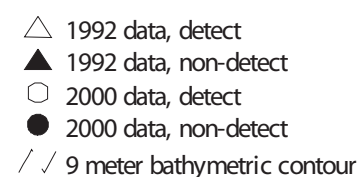
TAMS



Concentration
($\mu\text{g/kg dw}$)



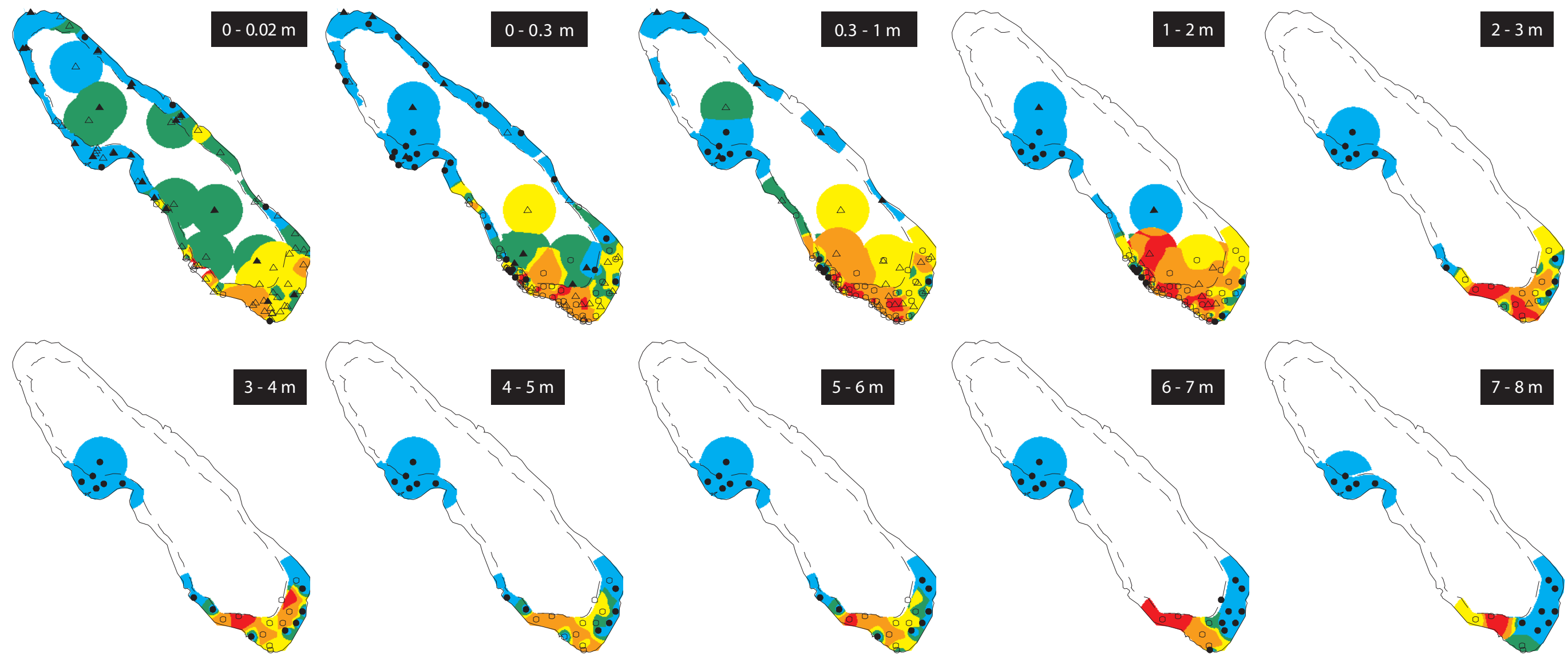
*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to $\mu\text{g/kg dw}$ based
on 5% Total Organic Carbon



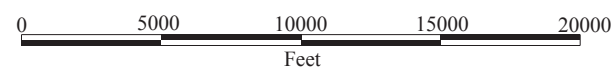
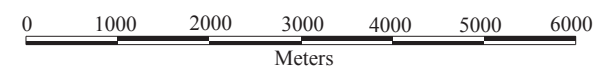
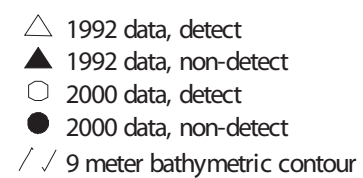
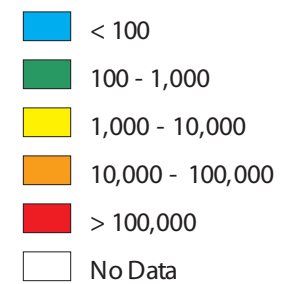
Onondaga Lake RI

Figure 5-19
Hexachlorobenzene Concentrations in Onondaga
Lake Sediments, 0 to 8 m Depth Intervals

TAMS



Concentration
(µg/kg dw)

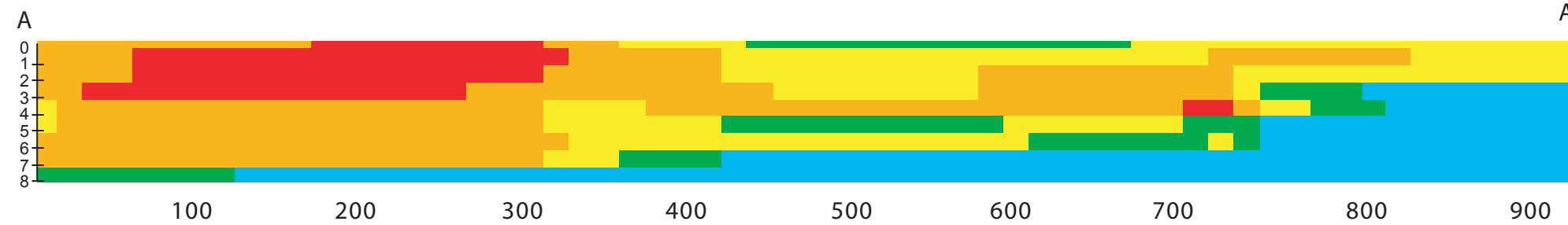


Onondaga Lake RI

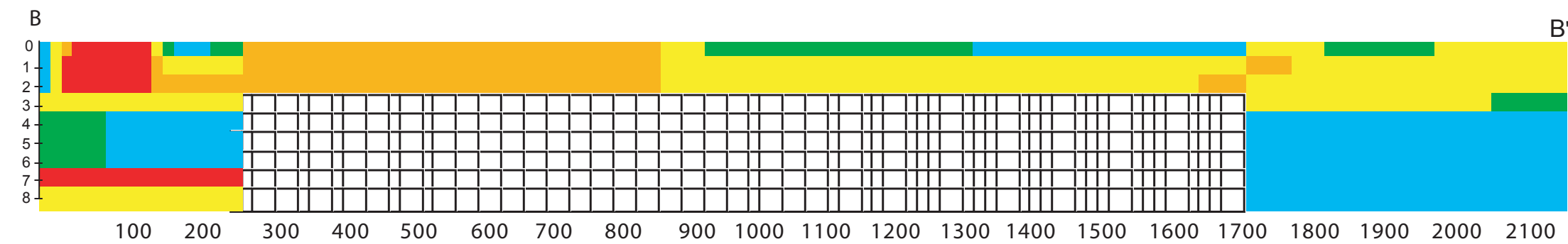
Figure 5-20
LPAH Concentrations in Onondaga
Lake Sediments, 0 to 8 m Depth Intervals

TAMS

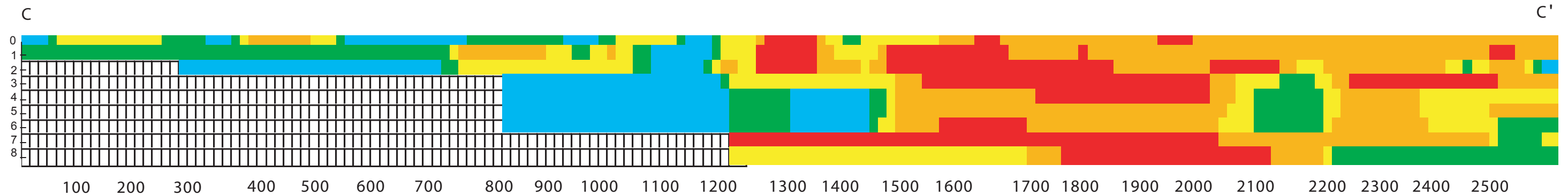
Cross Section A



Cross Section B



Cross Section C

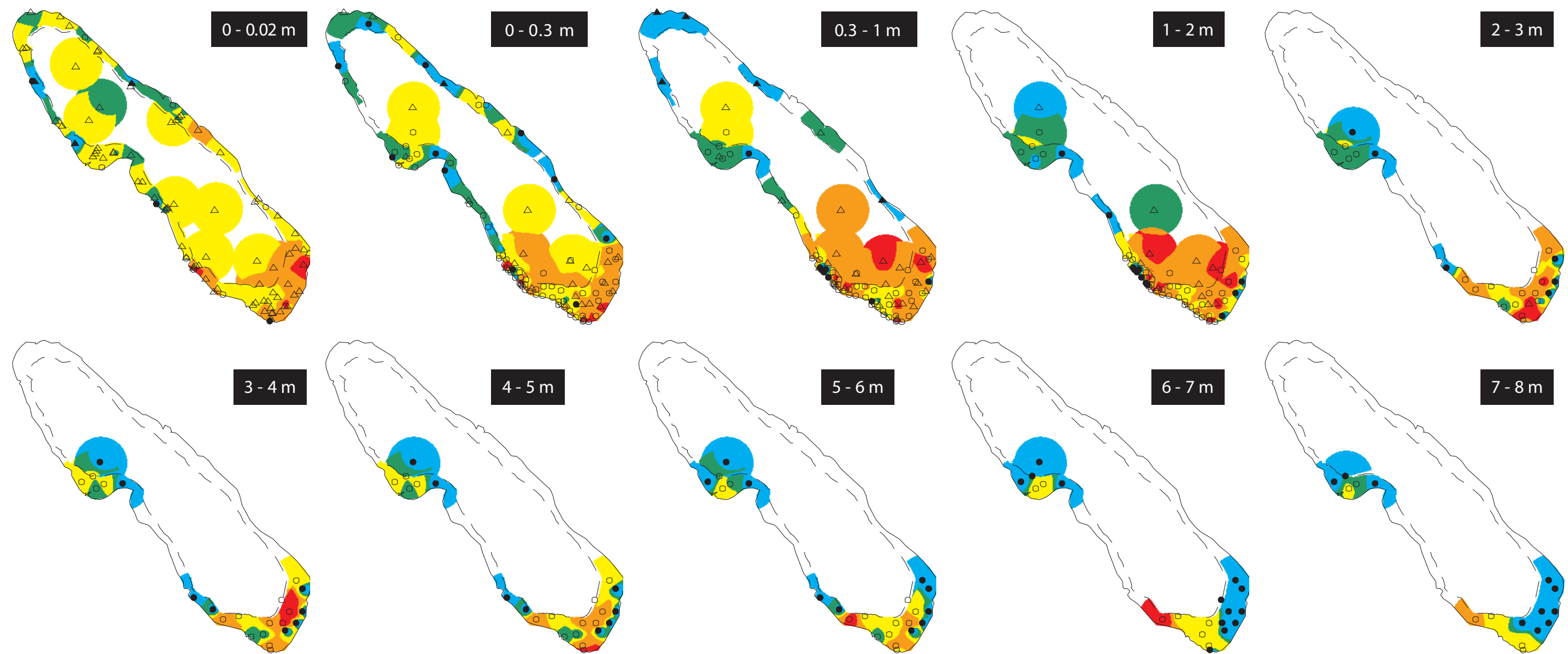


See Figure 5-1 for cross section locations.
See Figure 5-20 for map view.

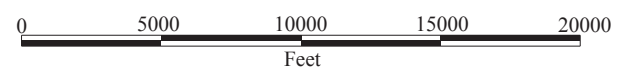
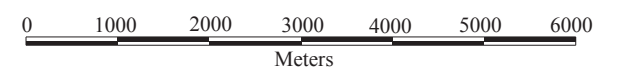
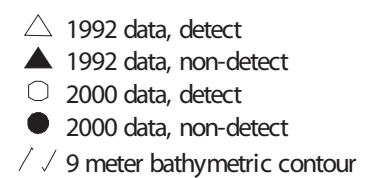
Onondaga Lake RI

Figure 5-21
LPAH Cross Sections

TAMS



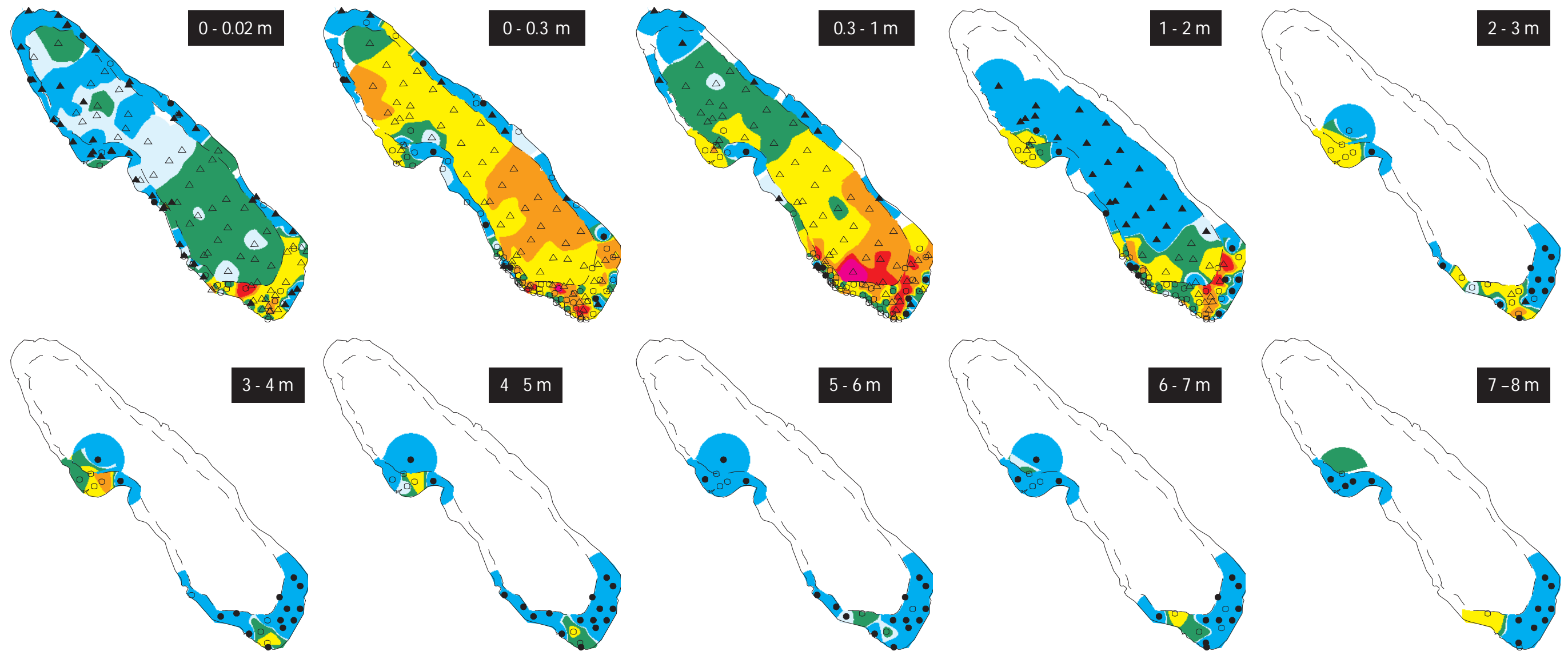
Concentration
($\mu\text{g/kg dw}$)



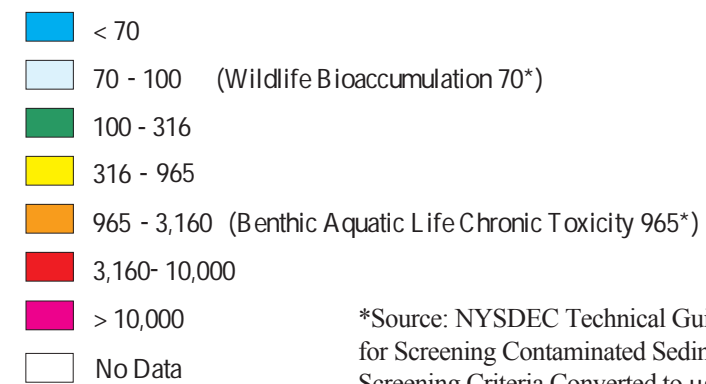
Onondaga Lake RI

Figure 5-22
HPAH Concentrations in Onondaga
Lake Sediments, 0 to 8 m Depth Intervals

TAMS



Concentration
($\mu\text{g/kg dw}$)



*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to $\mu\text{g/kg dw}$ based
on 5% Total Organic Carbon

- 1992 data, detect
- 1992 data, non-detect
- 2000 data, detect
- 2000 data, non-detect
- 9 meter bathymetric contour

0 1000 2000 3000 4000 5000 6000
Meters

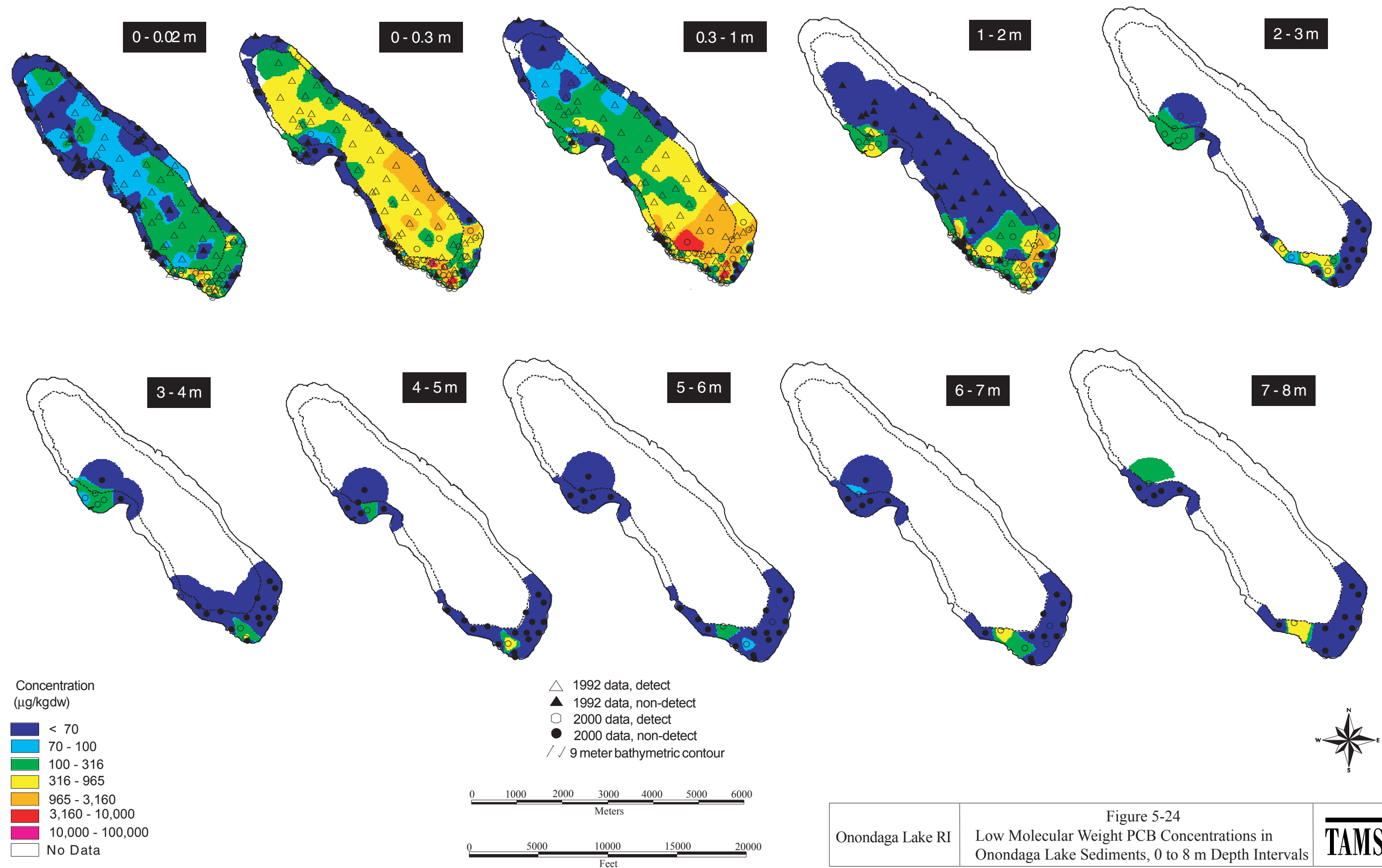
0 5000 10000 15000 20000
Feet

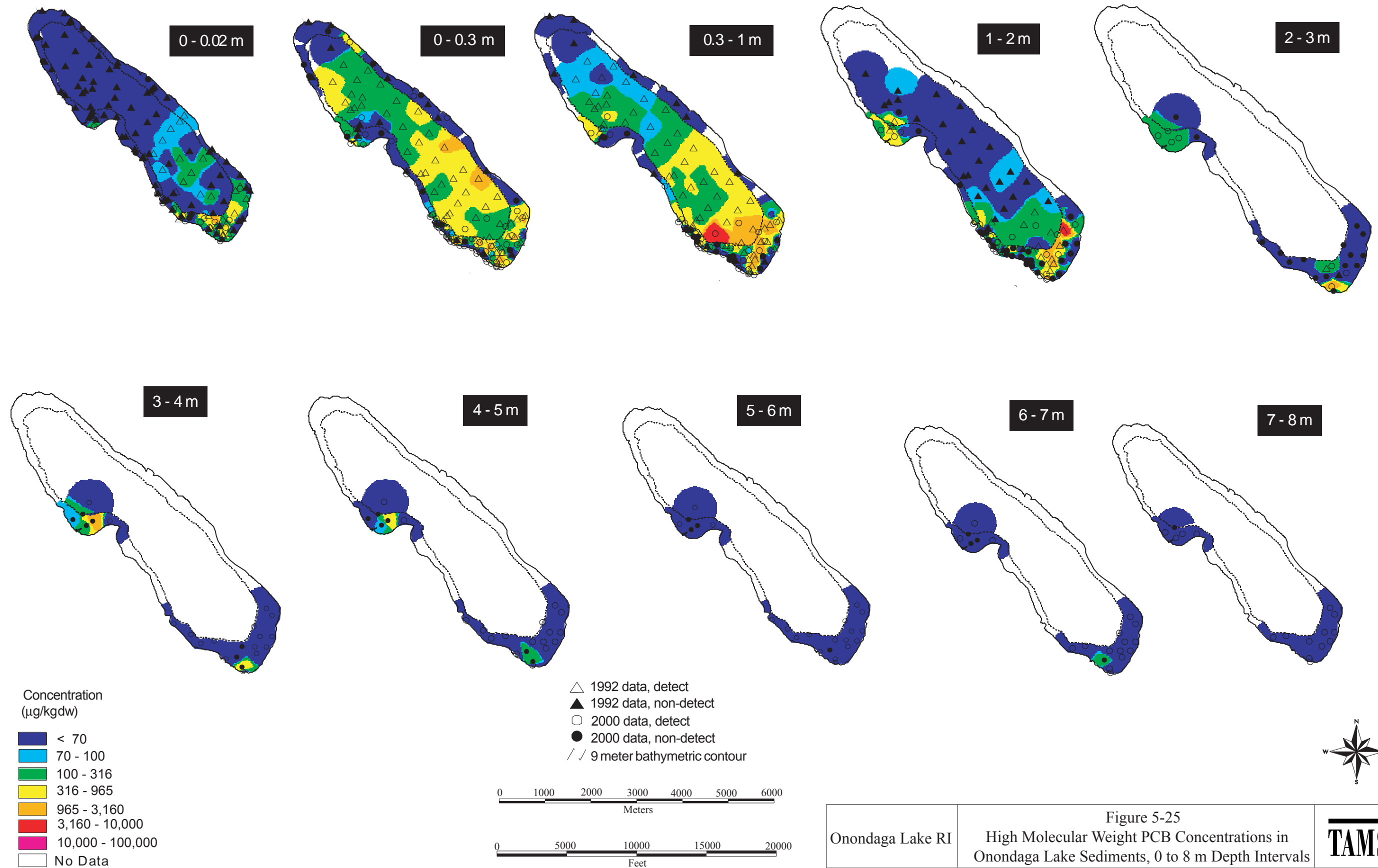


Onondaga Lake RI

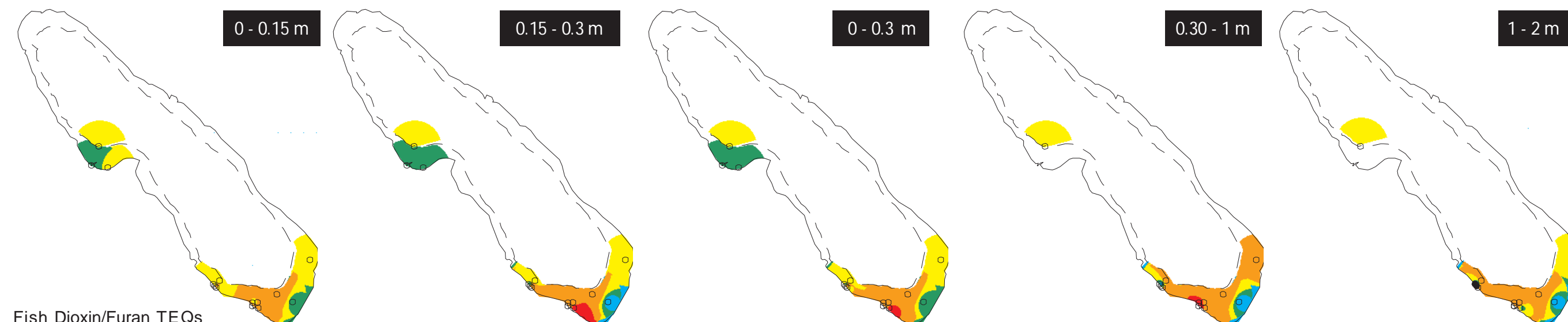
Figure 5-23
Total PCB Concentrations in Onondaga Lake
Sediments, 0 to 8 m Depth Intervals

TAMS

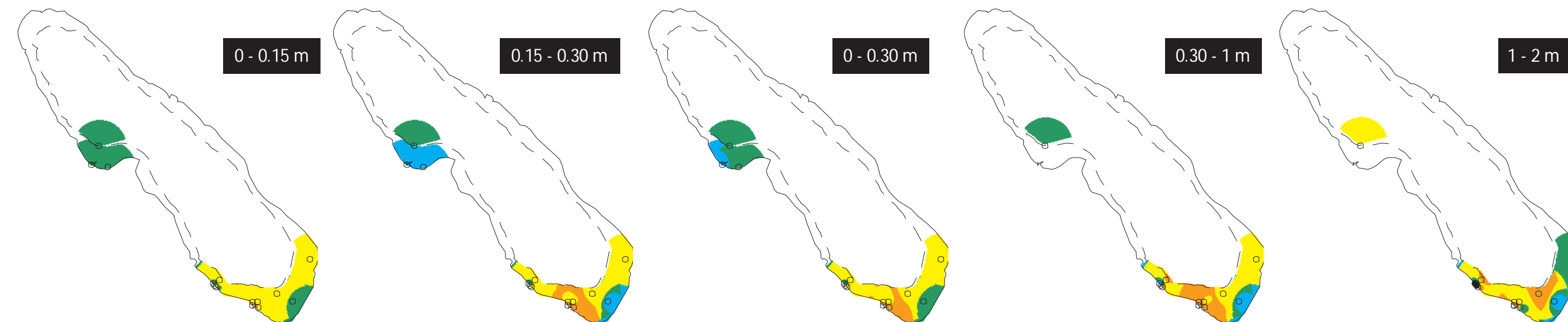




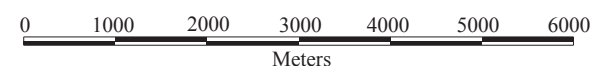
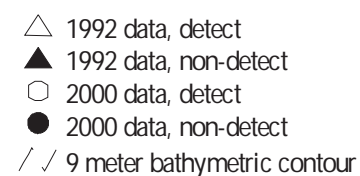
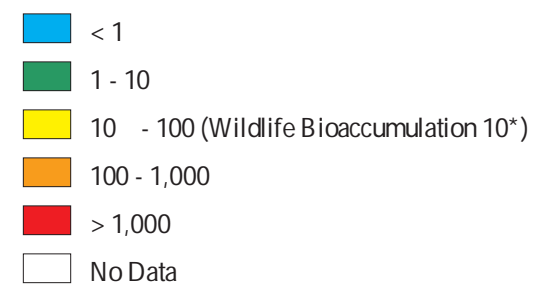
Bird Dioxin/Furan TEQs



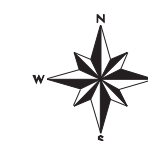
Fish Dioxin/Furan TEQs



Concentration
(ng/kg dw)



*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to ng/kg dw based
on 5% Total Organic Carbon

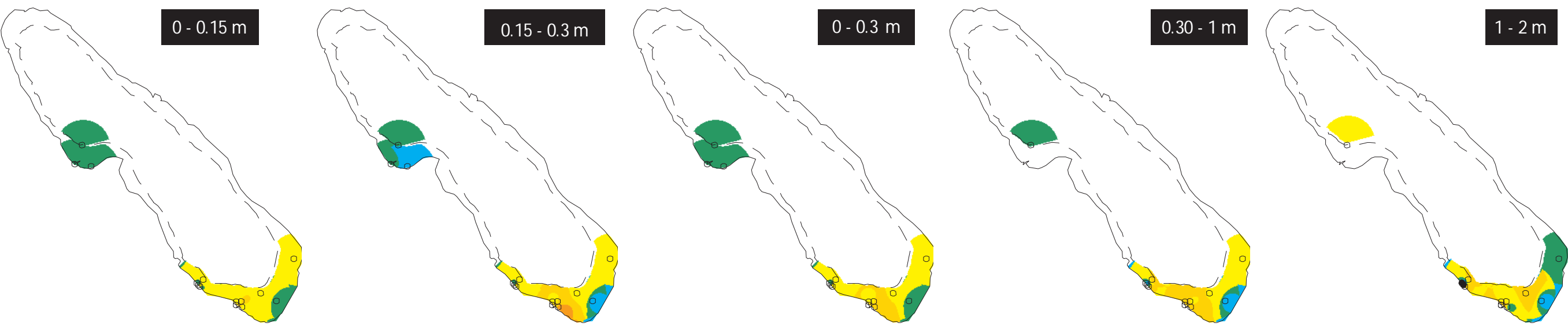


Onondaga Lake RI

Figure 5-26
Bird and Fish TEQ Concentrations in Onondaga
Lake Sediments, 0 to 2 m Depth Intervals

TAMS

Human/Mammal Dioxin/FuranTEQs

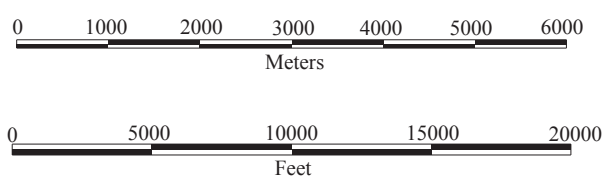


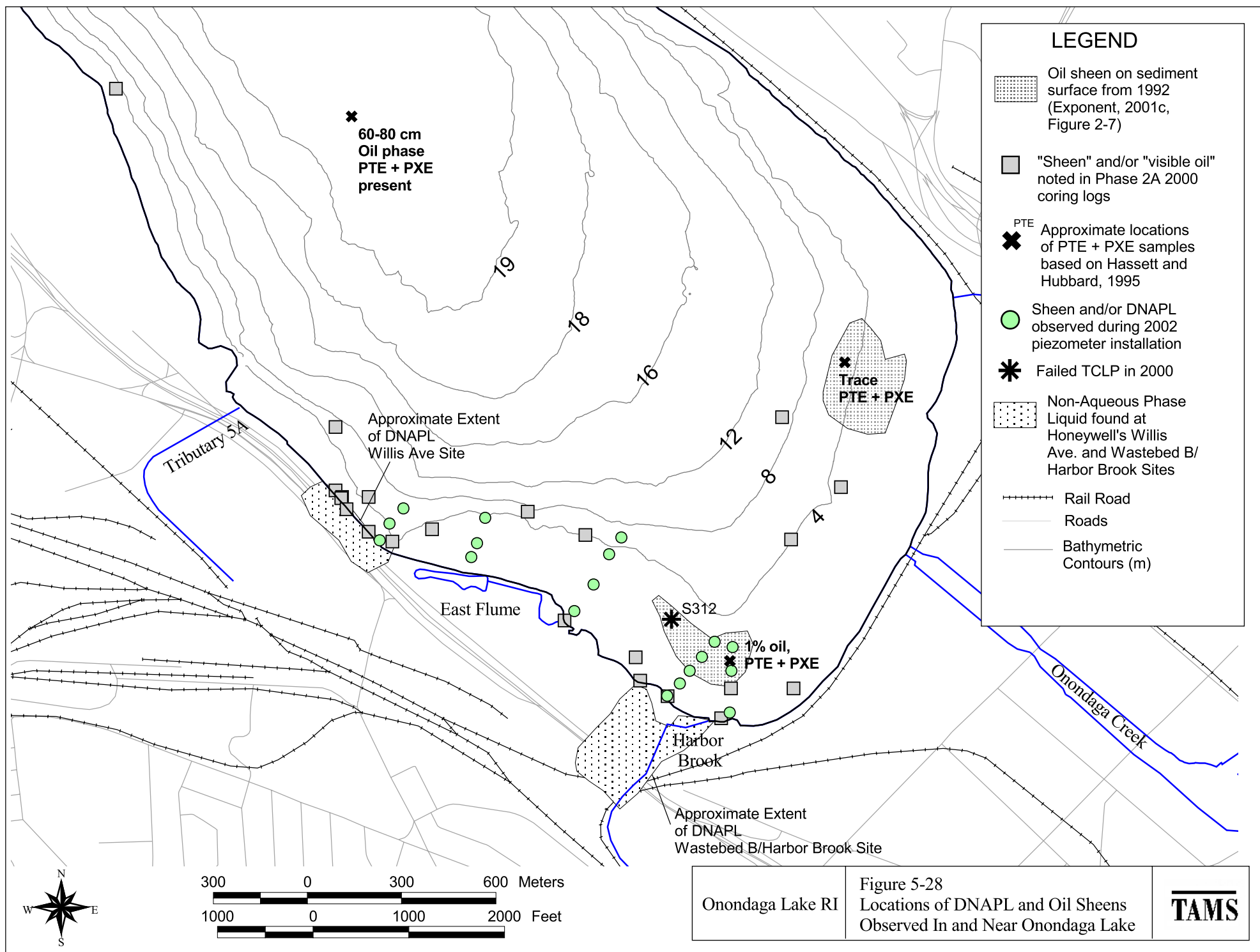
Concentration
(ng/kg dw)

- < 1
- 1 - 10
- 10 - 100
- 100 - 500
- 500 - 1,000(Human Health Bioaccumulation 500*)
- > 1,000
- No Data

*Source: NYSDEC Technical Guidance
for Screening Contaminated Sediments, 1999
Screening Criteria Converted to ng/kg dw based
on 5% Total Organic Carbon

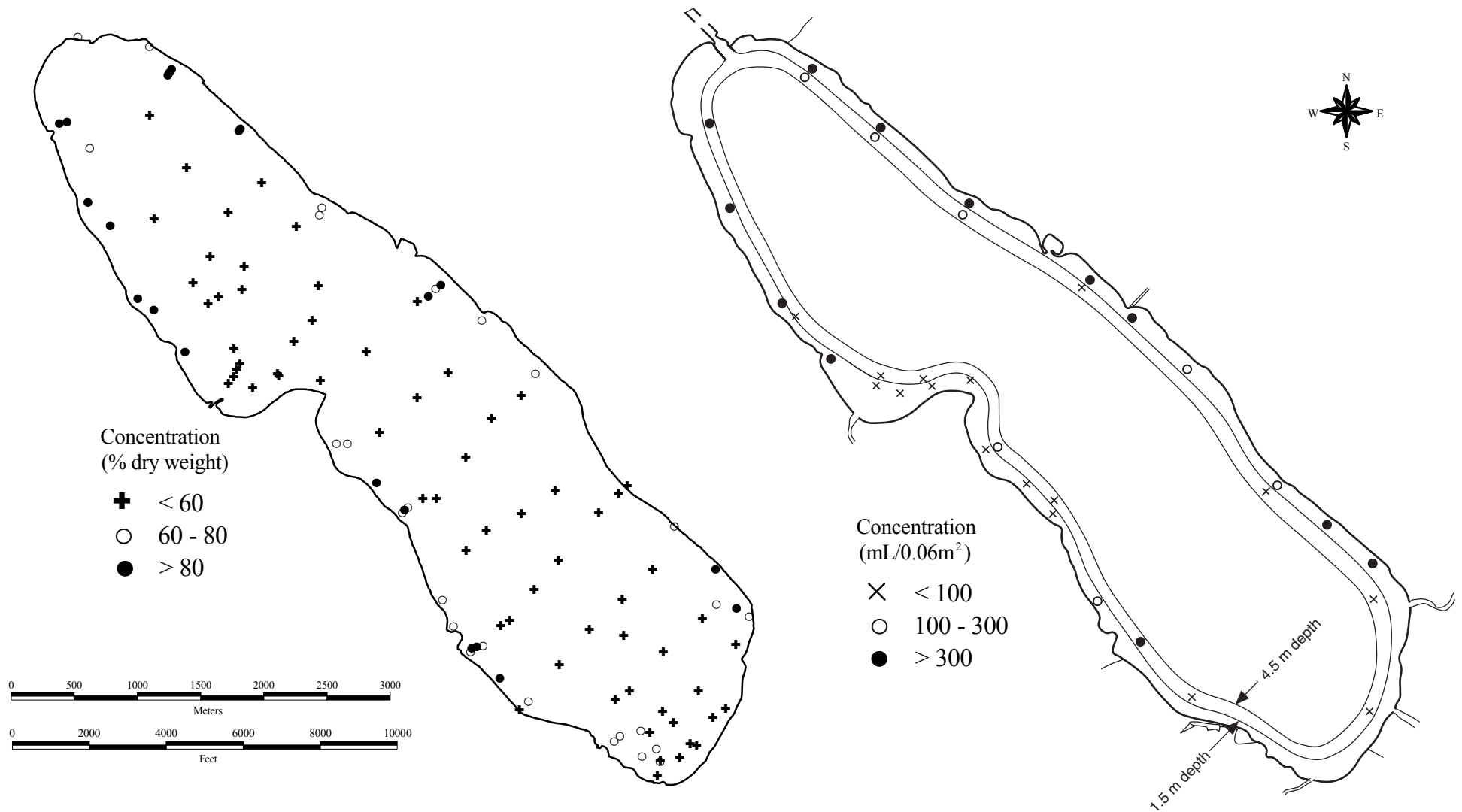
- △ 1992 data, detect
- ▲ 1992 data, non-detect
- 2000 data, detect
- 2000 data, non-detect
- / / 9 meter bathymetric contour





Calcium Carbonate

Oncolites



Onondaga Lake RI

Figure 5-29. Distribution of Calcium Carbonate and Oncolites in Surface Sediment of Onondaga Lake in 1992

TAMS