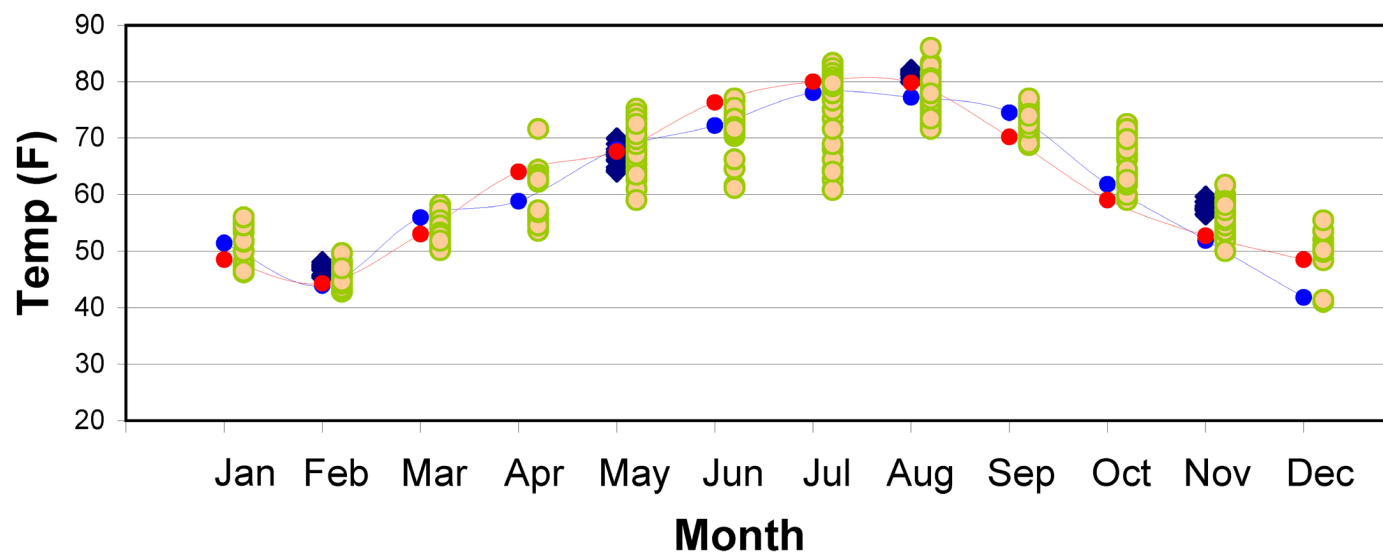


Temperatures-Broad River and Ambient Air



- ◆ Current Water Temperatures (2006)
- Historical Water Temperatures (1973-1974)
- Historical Ambient Temperatures (1973-1974)
- Current Ambient Temperatures (2006)

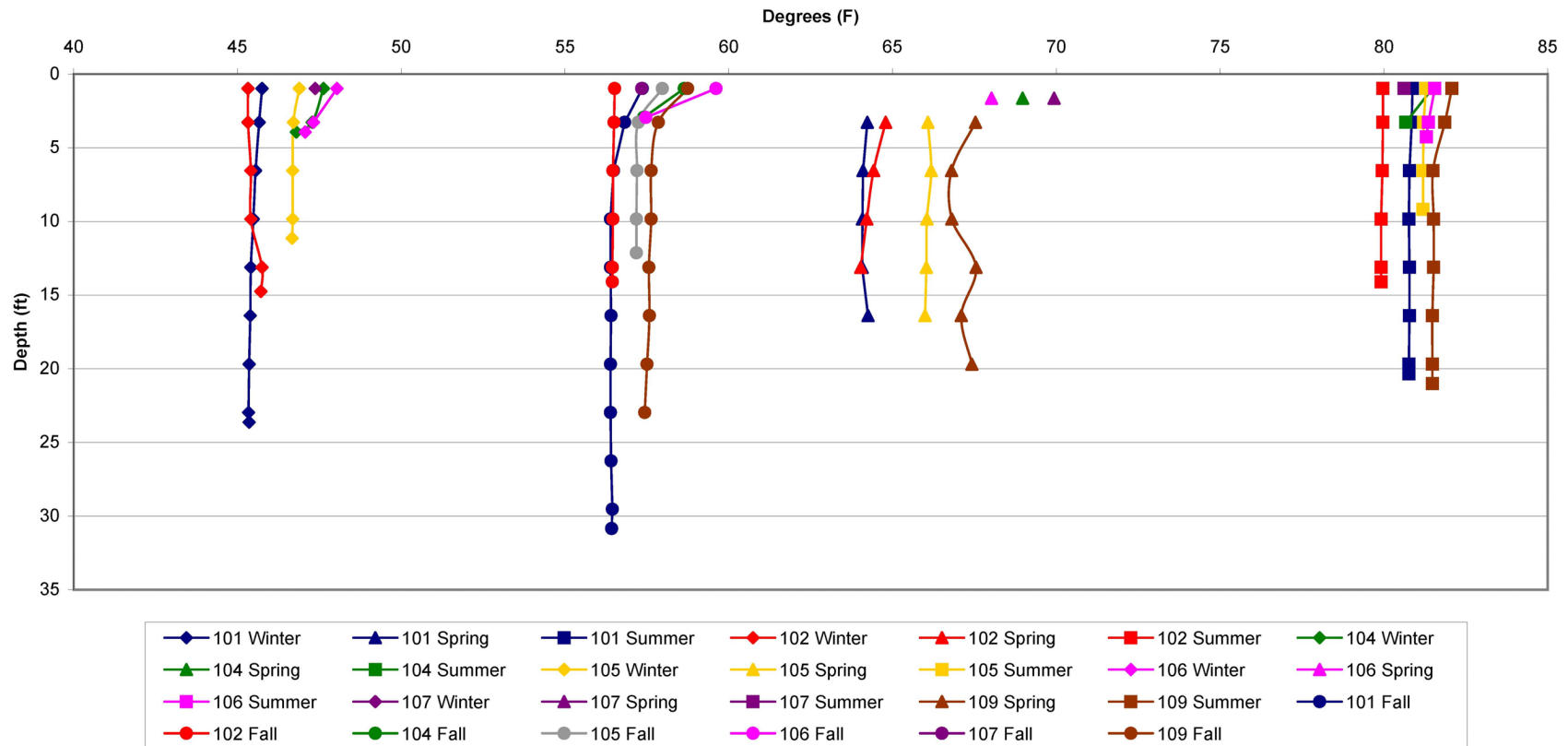
WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Temperature

FIGURE 2.3-22
(Sheet 1 of 16)

Rev 0

2006 Water Temperature Broad River and Backwater



See Figure 2.3-21 for sampling locations

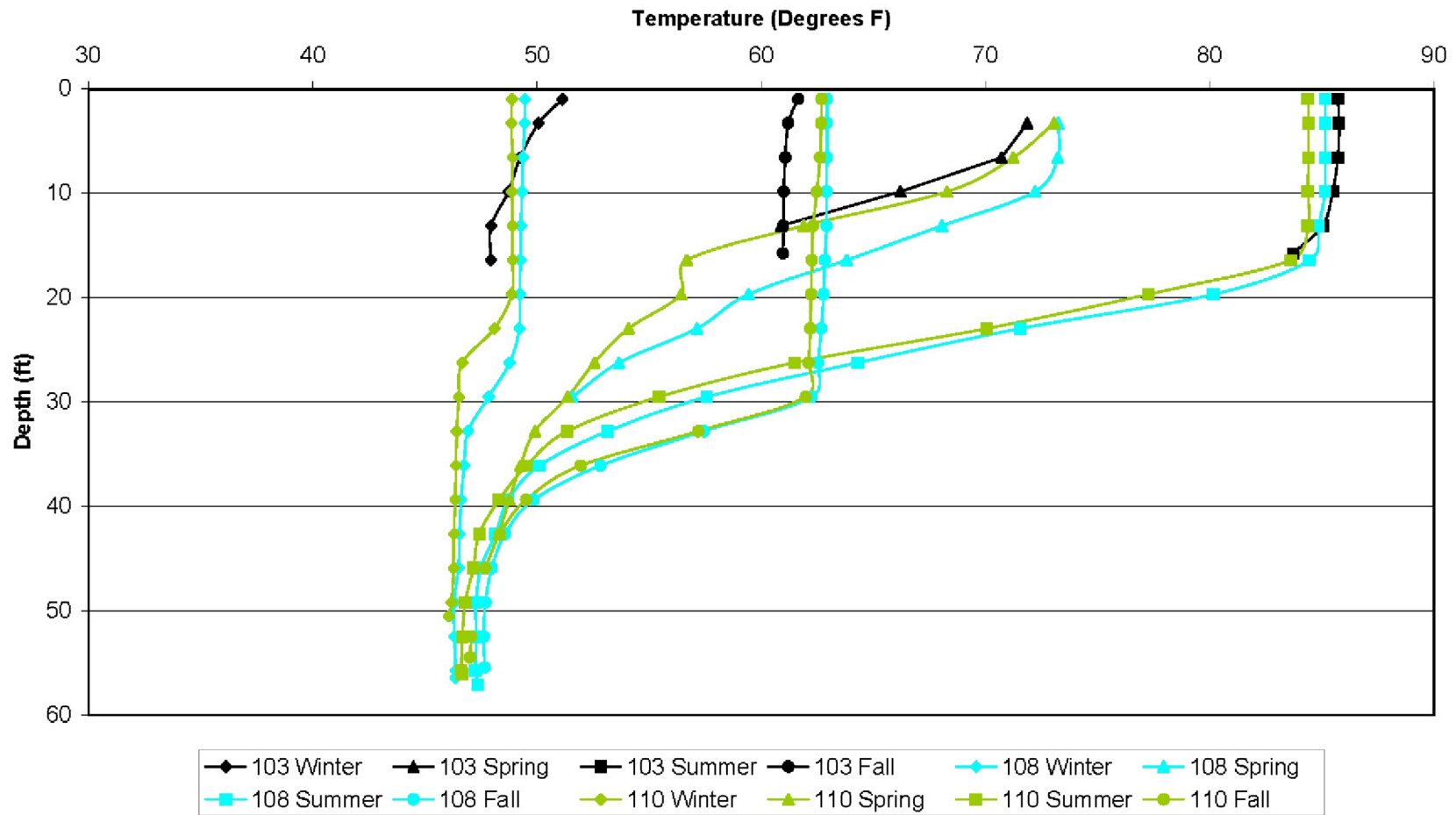
WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Temperature

FIGURE 2.3-22
(Sheet 2 of 16)

Rev 0

2006 Water Temperature Make-Up Pond A, Make-Up Pond B, Hold-Up Pond A



See Figure 2.3-21 for sampling locations

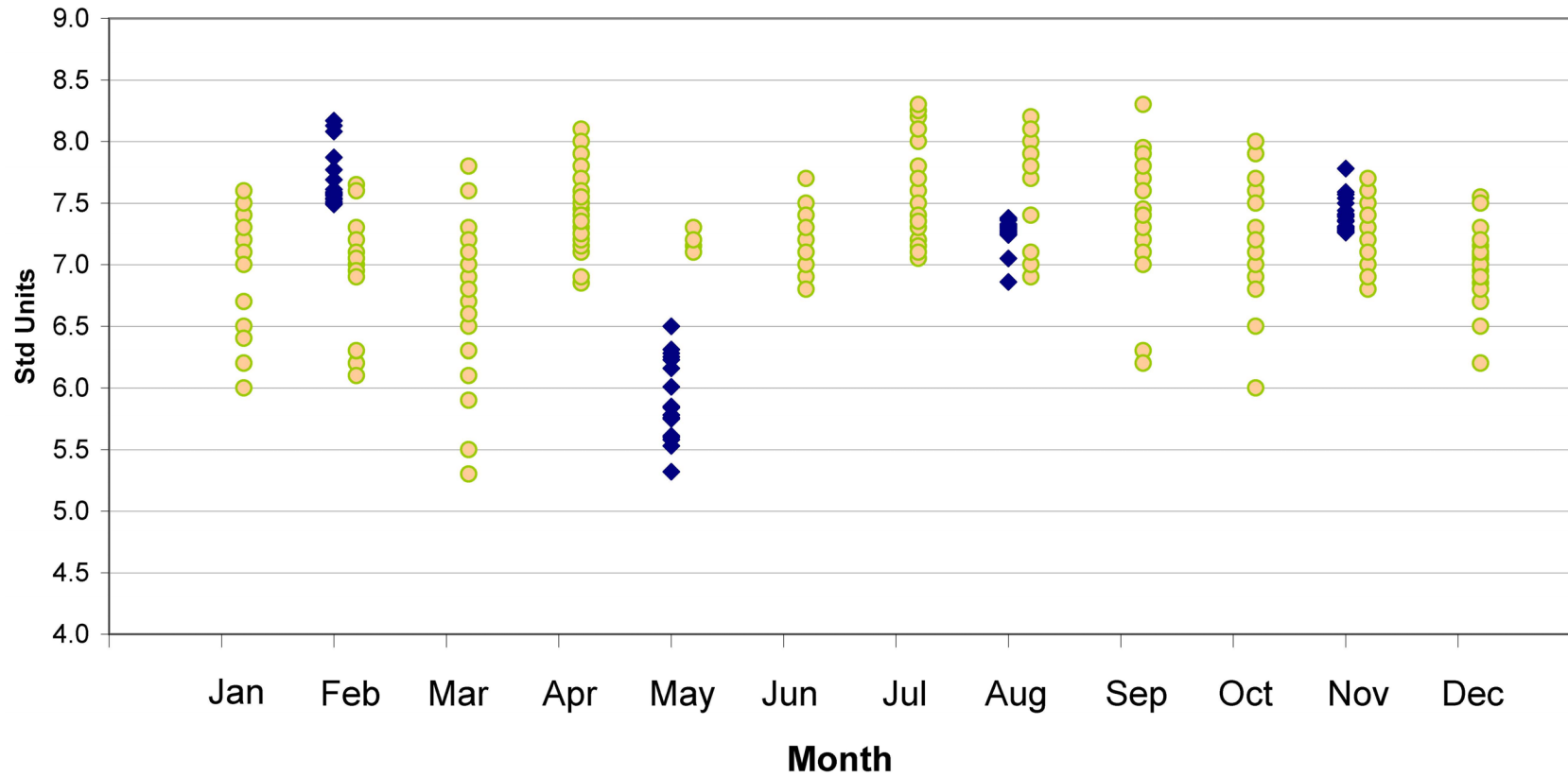
WILLIAM STATES LEE III
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Graphical Analysis of Surface Water
Quality Data: Temperature

FIGURE 2.3-22
(Sheet 3 of 16)

Rev 0

Broad River - pH



◆ Current pH (2006) ● Historical pH (1973-1974)

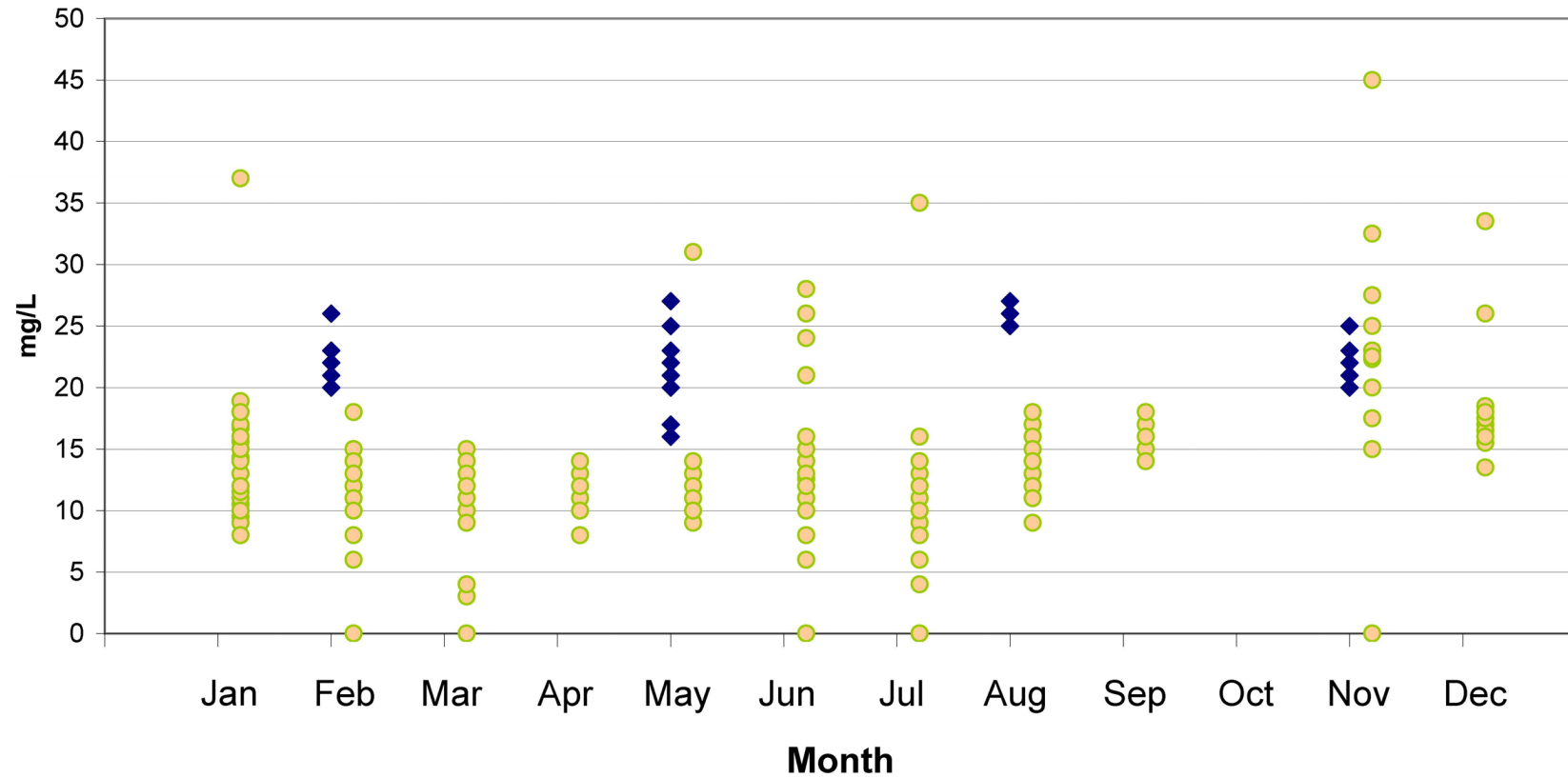
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Graphical Analysis of Surface Water
Quality Data: pH

FIGURE 2.3-22
(Sheet 4 of 16)

Rev 0

Broad River - Alkalinity



◆ Current Alkalinity 2006 ● Historical Alkalinity (1973-1974)

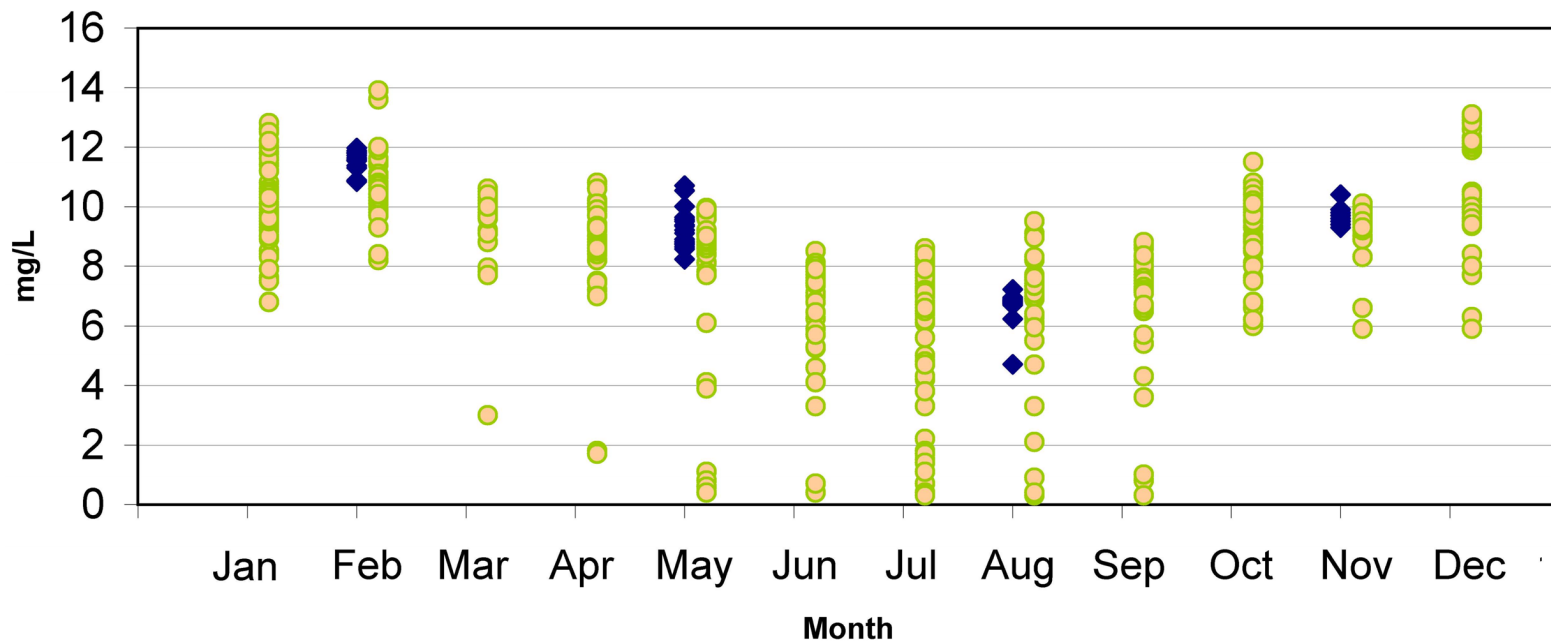
WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Alkalinity

FIGURE 2.3-22
(Sheet 5 of 16)

Rev 0

Broad River - Dissolved Oxygen



◆ Current DO (2006) ● Historical DO (1973-1974)

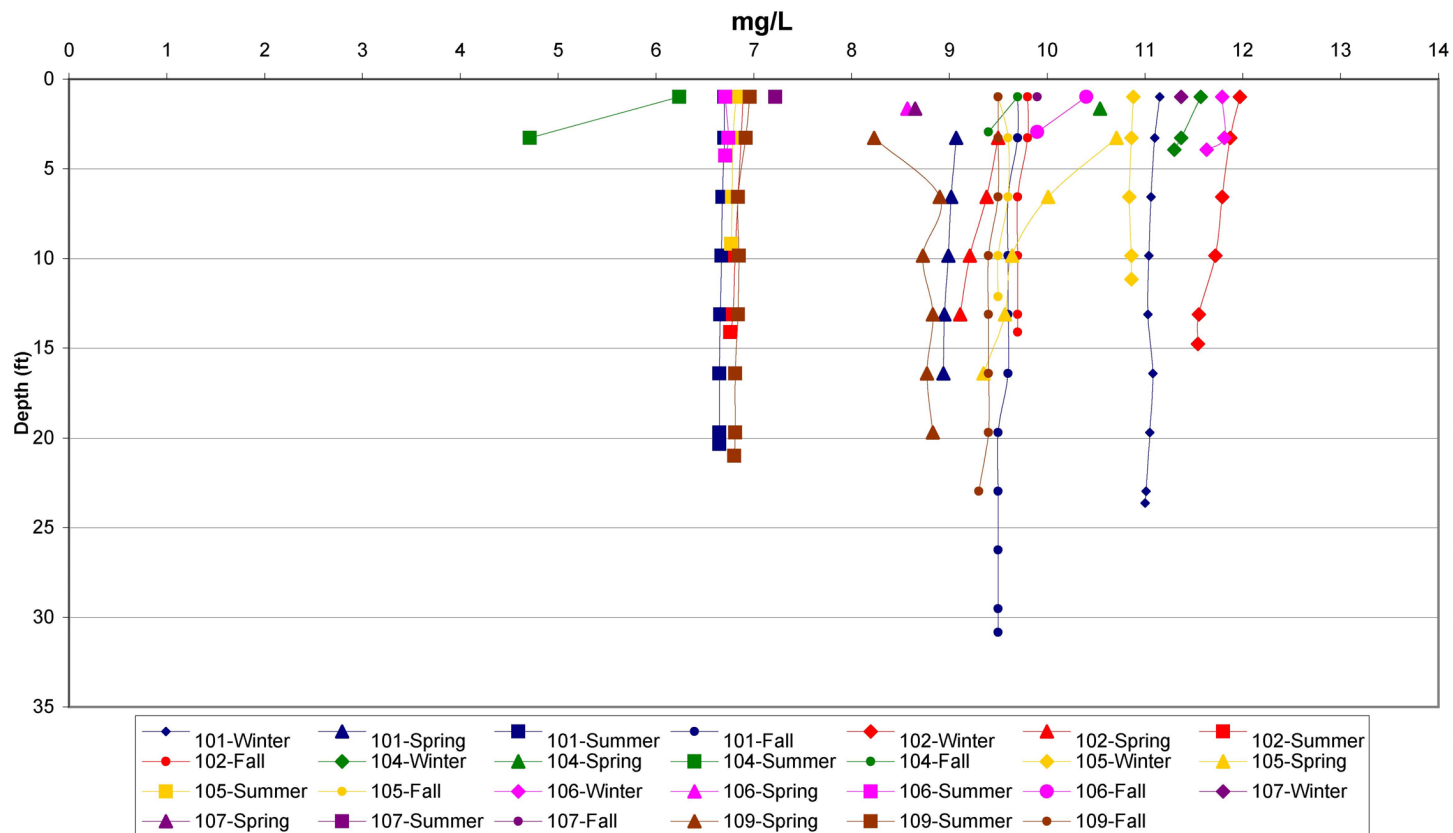
WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Dissolved Oxygen

FIGURE 2.3-22
(Sheet 6 of 16)

Rev 0

2006 Dissolved Oxygen - Broad River and Backwater



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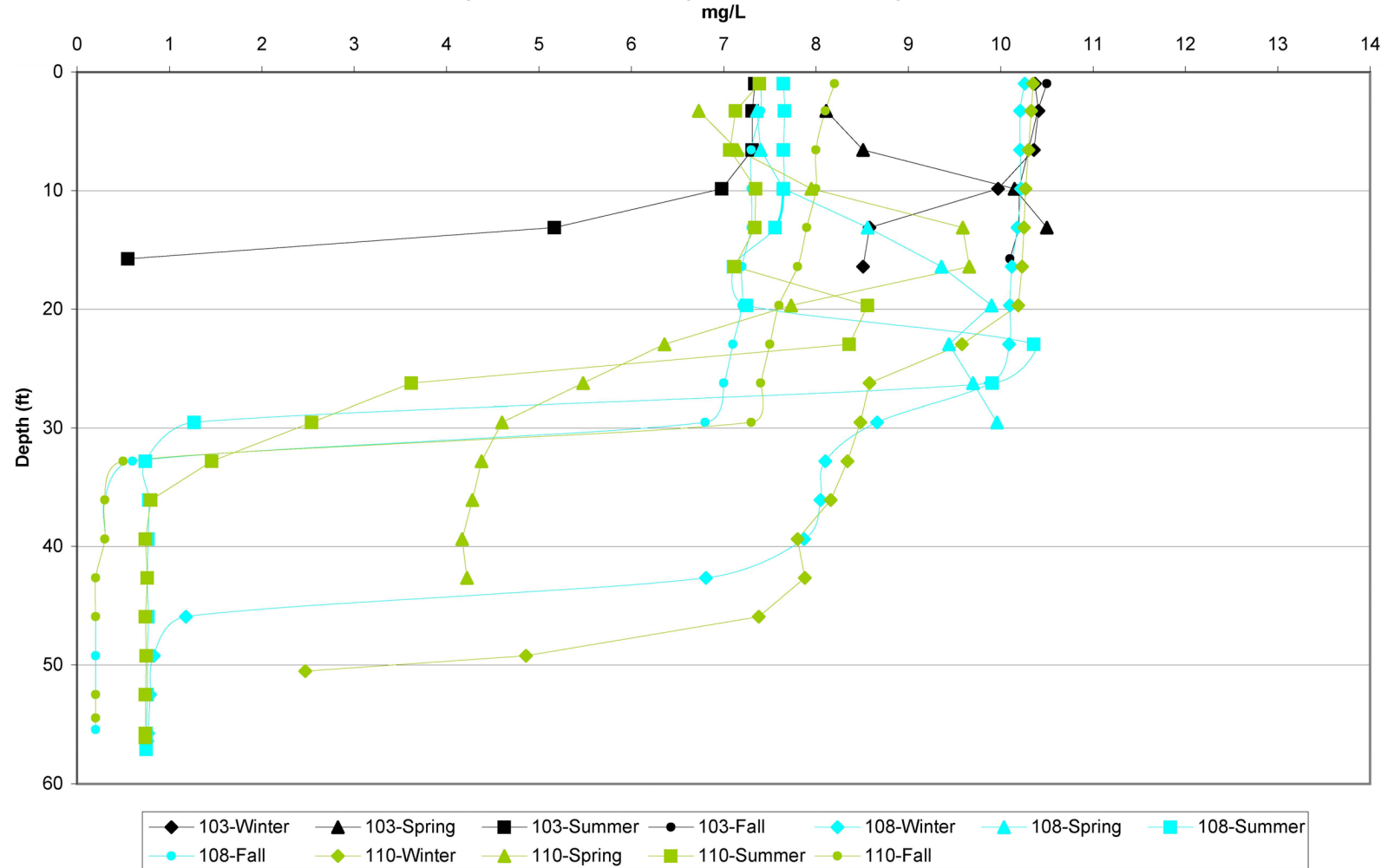
Graphical Analysis of Surface Water
Quality Data: Dissolved Oxygen

FIGURE 2.3-22
(Sheet 7 of 16)

Rev 0

2006 Dissolved Oxygen

Make-Up Pond A, Make-Up Pond B, Hold-Up Pond A



See Figure 2.3-21 for sampling locations

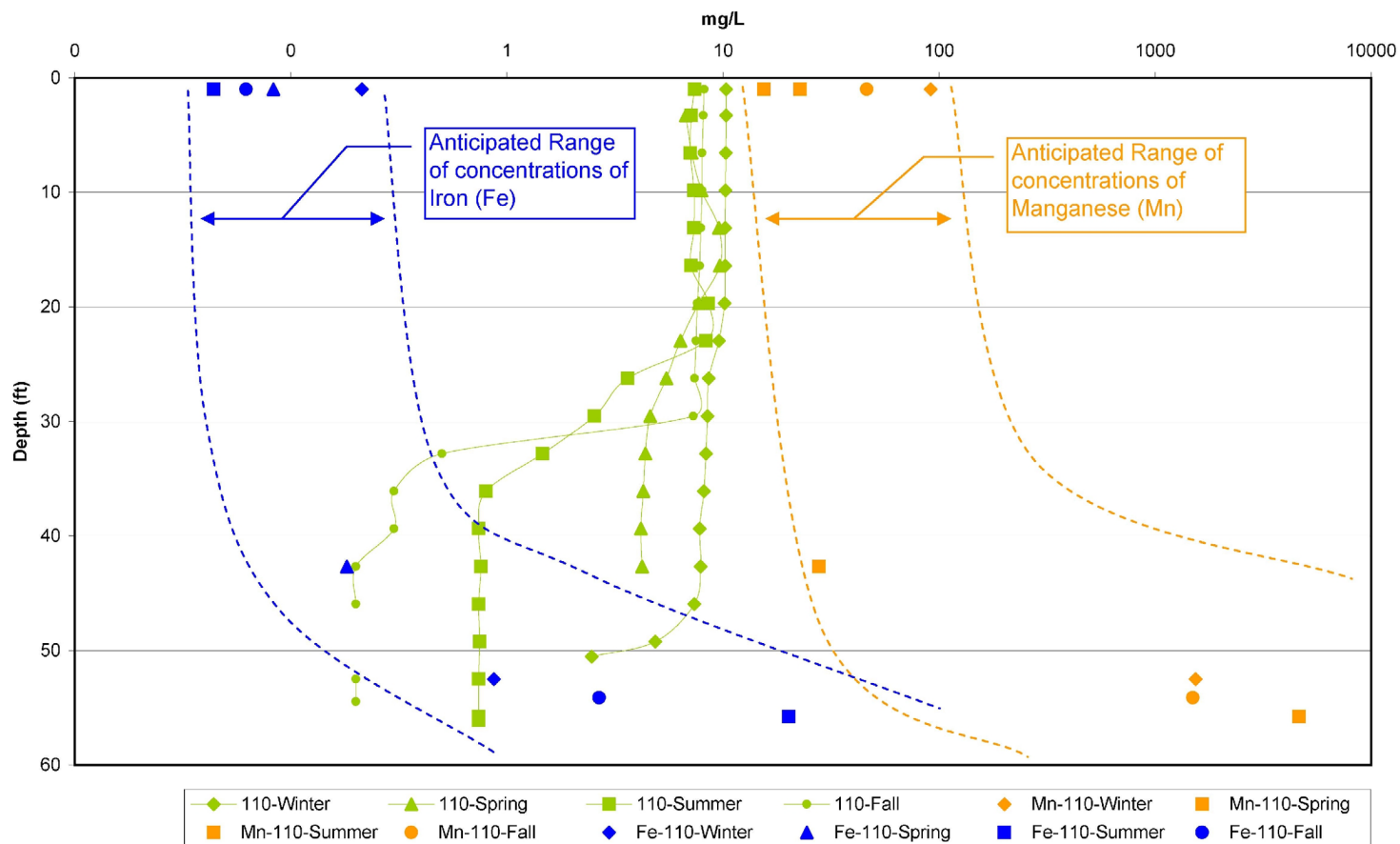
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NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Dissolved Oxygen

FIGURE 2.3-22
(Sheet 8 of 16)

Rev 0

2006 Dissolved Oxygen, Iron, Manganese - Make-Up Pond B



See figure 2.3-21 for sampling locations

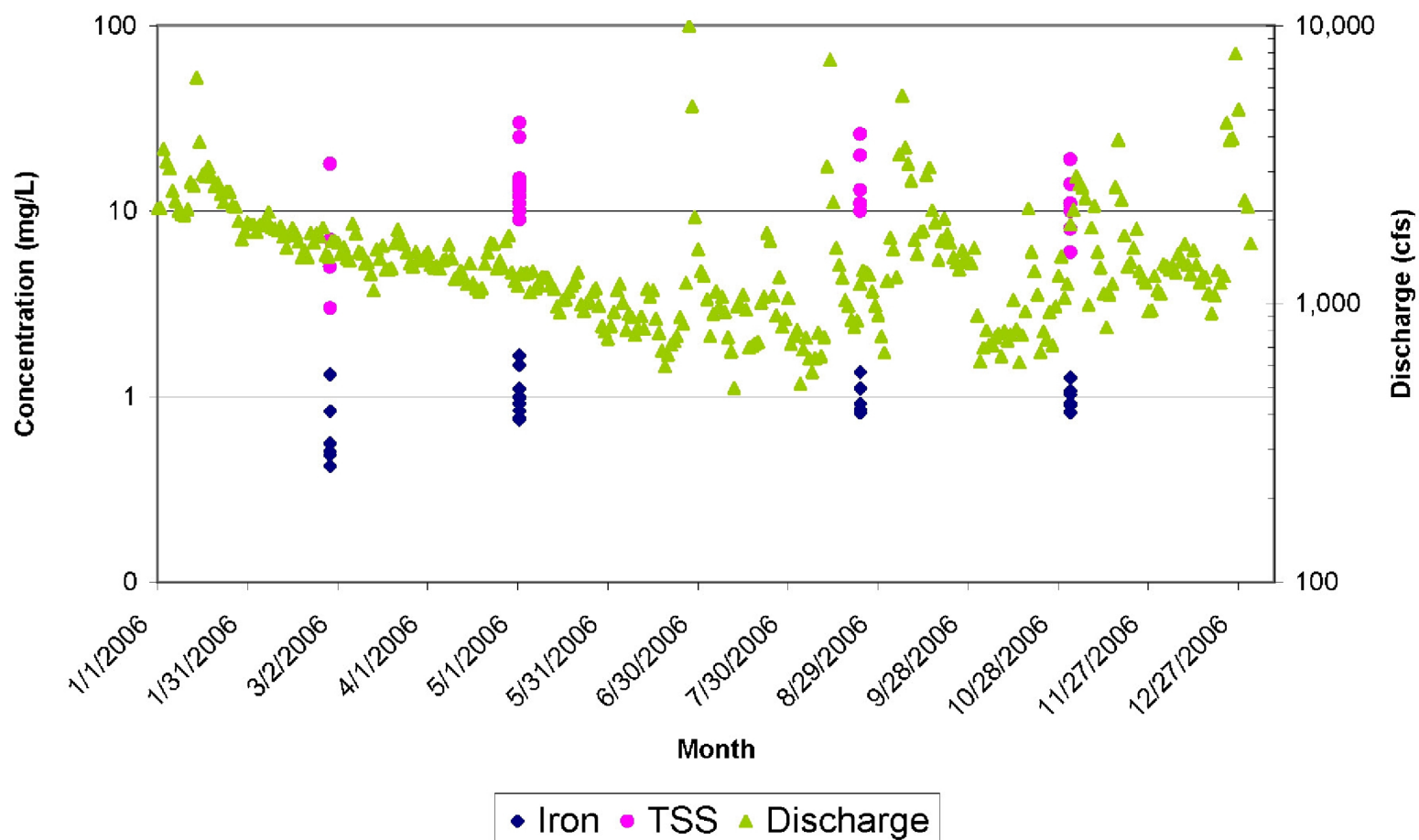
WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Dissolved Oxygen

FIGURE 2.3-22
(Sheet 9 of 16)

Rev 0

Concentration of Iron and Total Suspended Solids with Broad River Discharge



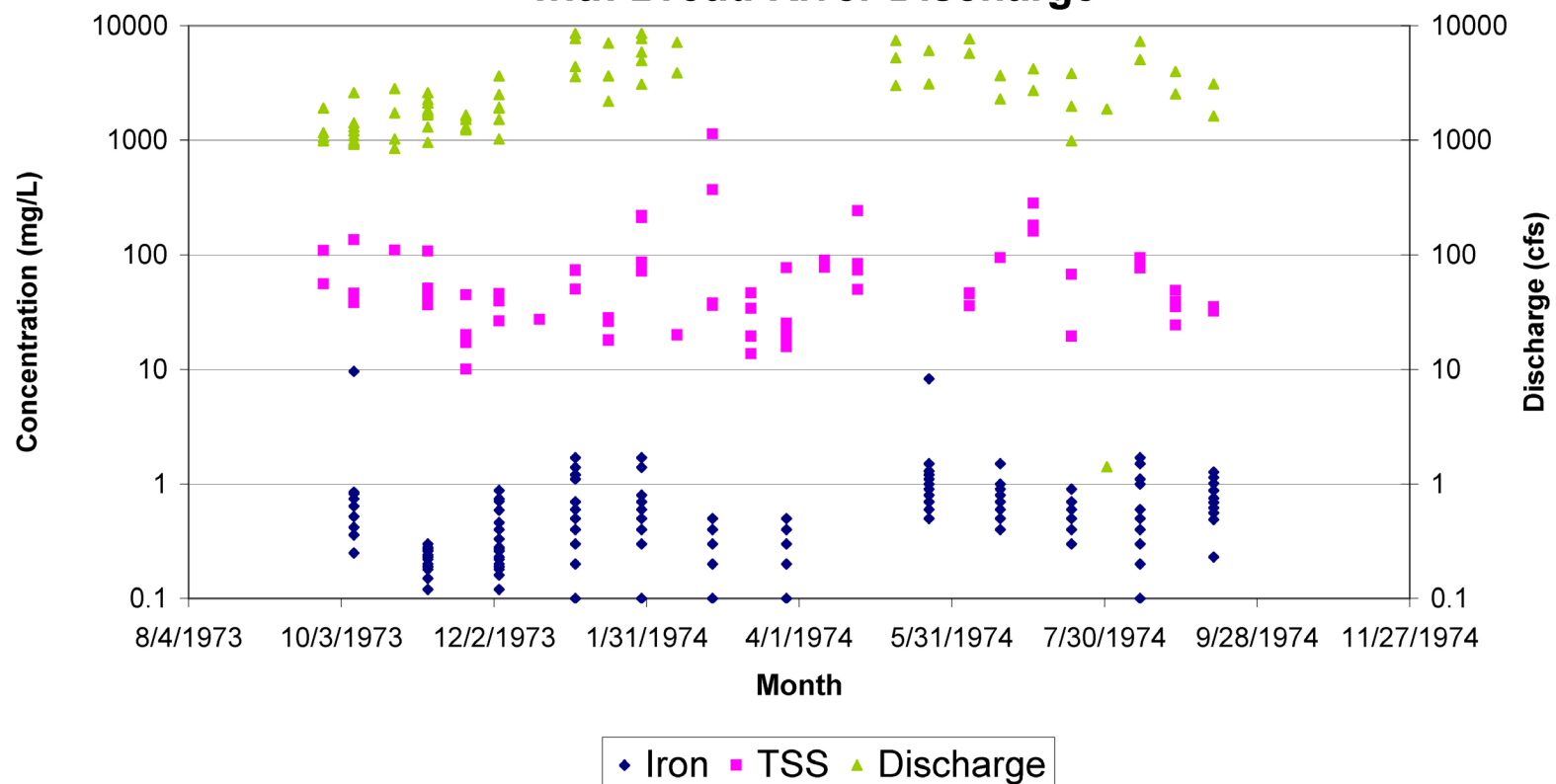
WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Fe, TSS, Discharge

FIGURE 2.3-22
(Sheet 10 of 16)

Rev 0

Historical Concentrations of Iron and Total Suspended Solids with Broad River Discharge



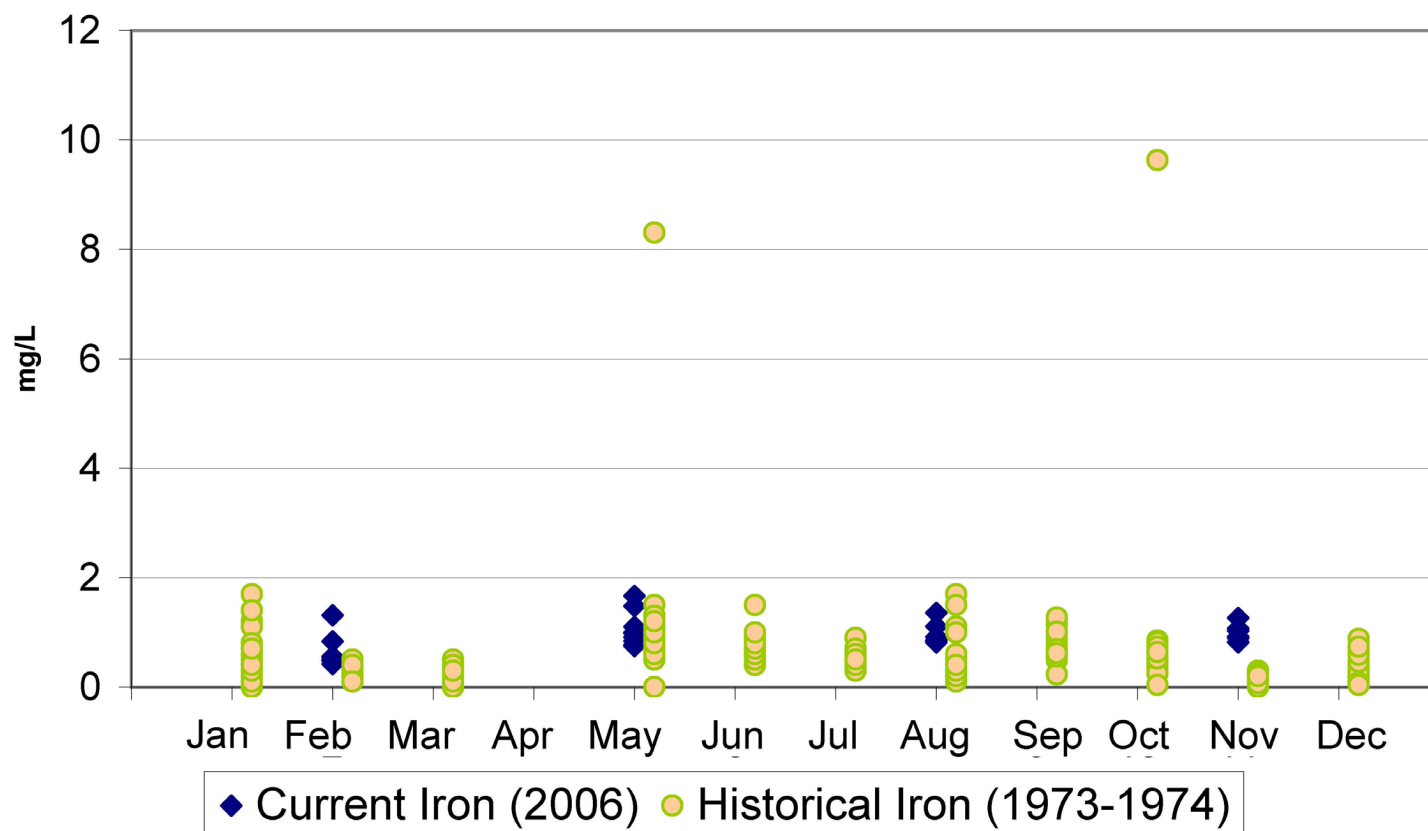
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NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Fe, TSS, Discharge

FIGURE 2.3-22
(Sheet 11 of 16)

Rev 0

Broad River-Iron



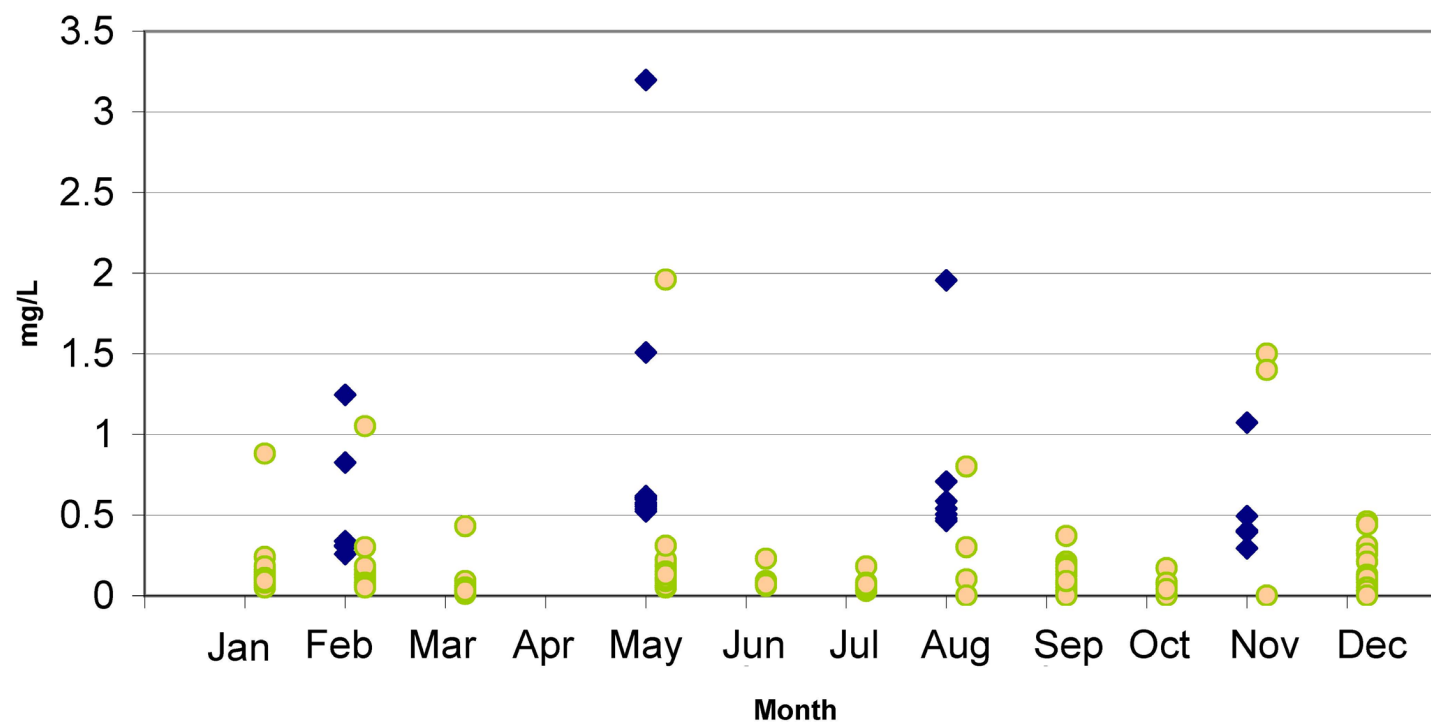
WILLIAM STATES LEE III
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Graphical Analysis of Surface Water
Quality Data: Iron

FIGURE 2.3-22
(Sheet 12 of 16)

Rev 0

Broad River-Manganese



◆ Current Manganese (2006) ● Historical Manganese (1973-1974)

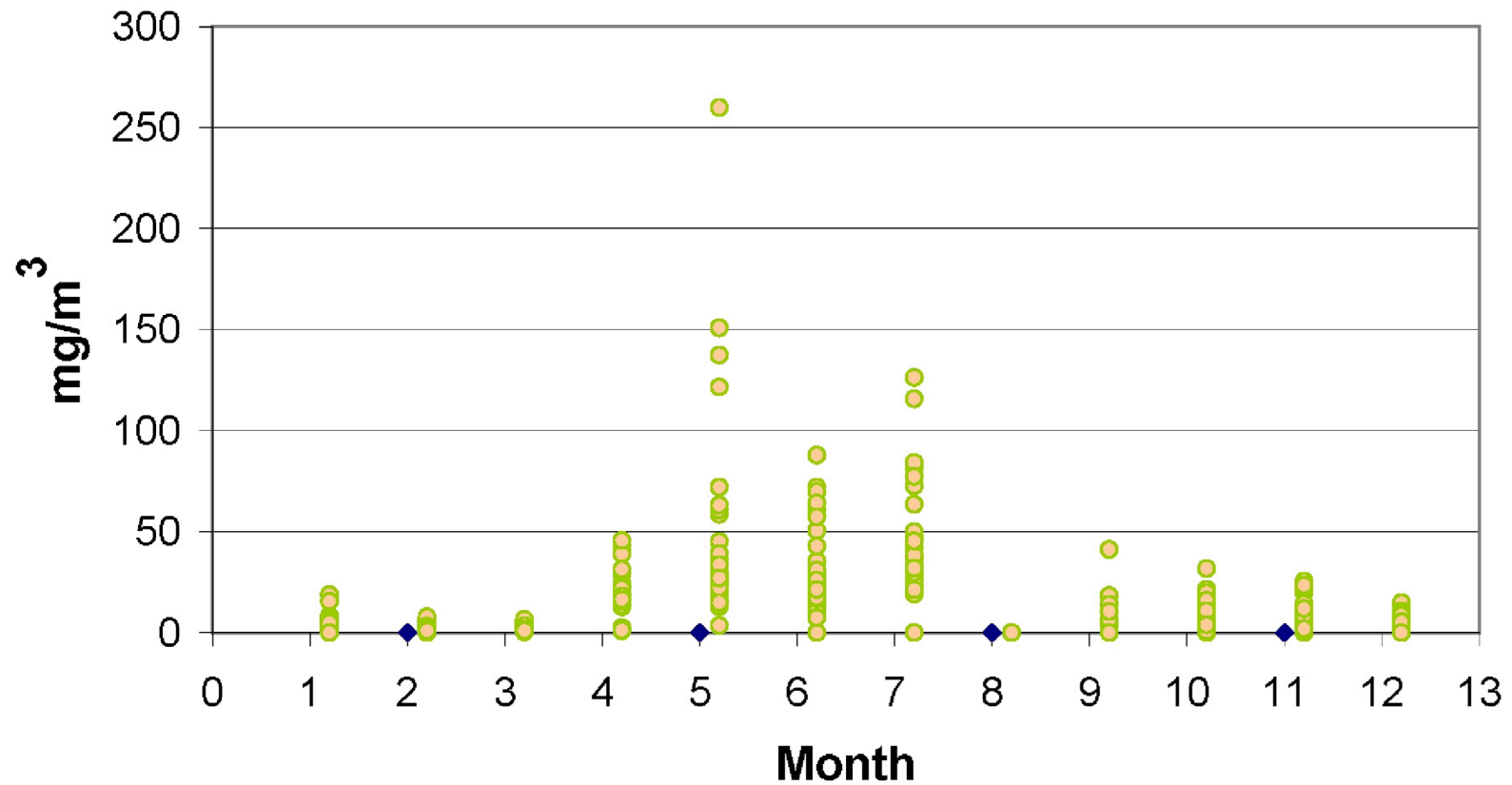
WILLIAM STATES LEE III
NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Manganese

FIGURE 2.3-22
(Sheet 13 of 16)

Rev 0

Chlorophyll *a*



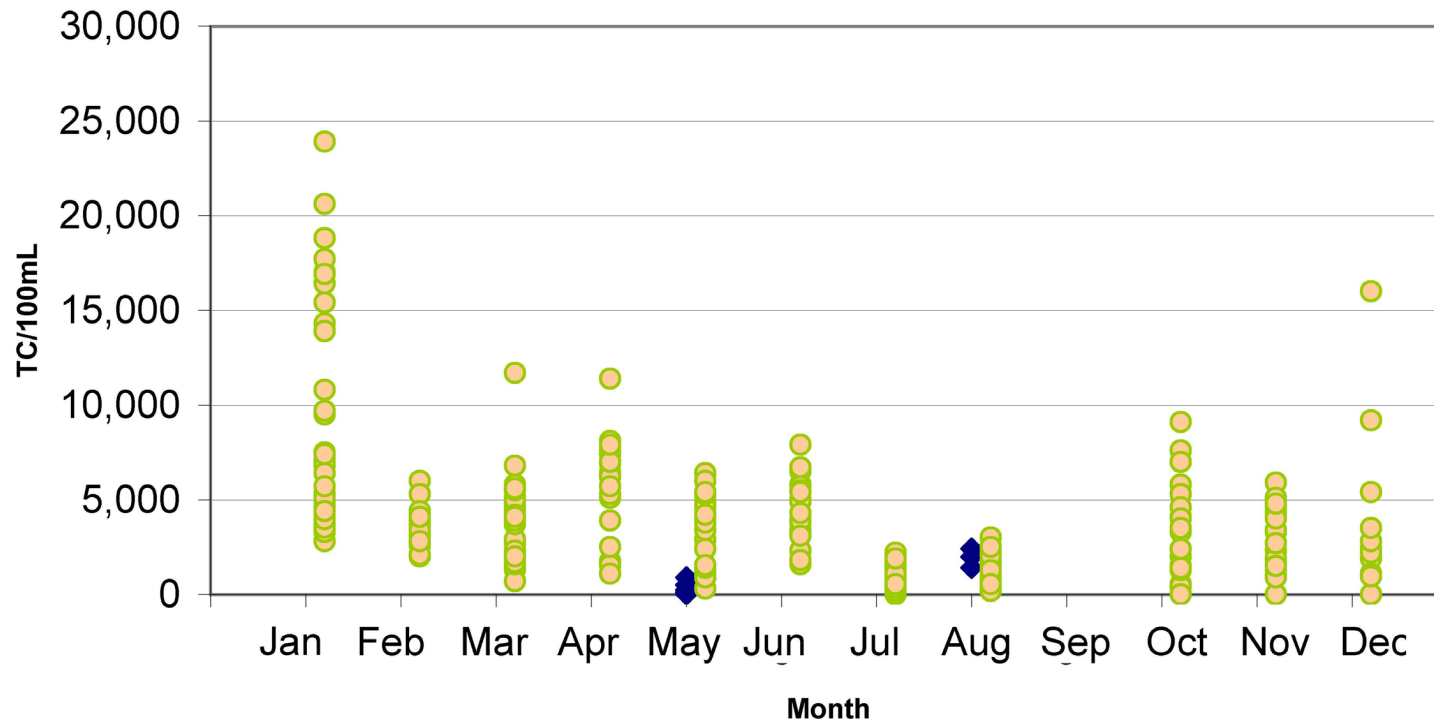
◆ Current Chlorophyll *a* ● Historical Chlorophyll *a*

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NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Chlorophyll *a*

FIGURE 2.3-22
(Sheet 14 of 16) Rev 0

Broad River-Total Coliform



◆ Current Total Coliform (2006) ● Historical Total Coliform (1973-1974)

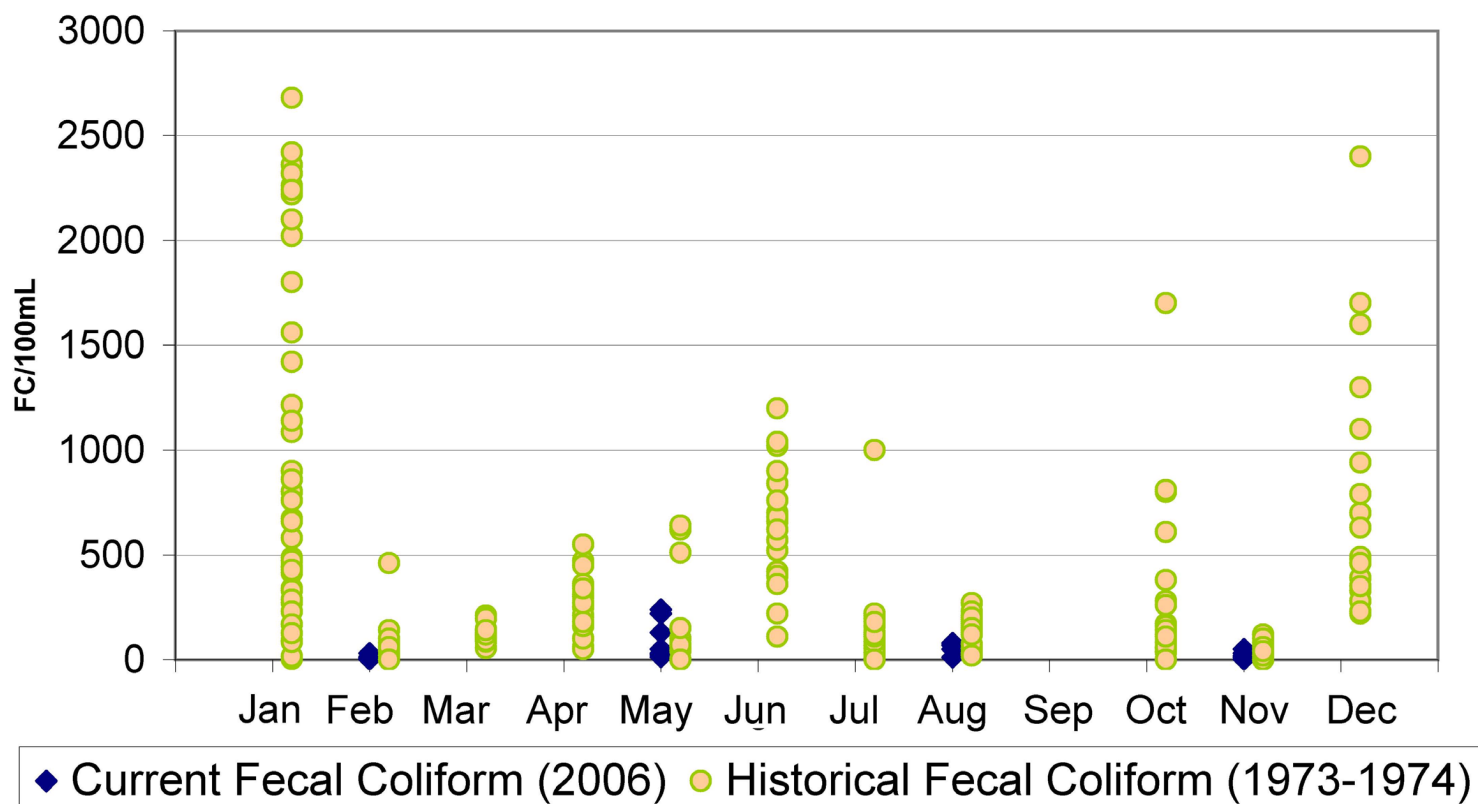
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NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Total Coliform

FIGURE 2.3-22
(Sheet 15 of 16)

Rev 0

Broad River-Fecal Coliform



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NUCLEAR STATION UNITS 1 & 2

Graphical Analysis of Surface Water
Quality Data: Fecal Coliform

FIGURE 2.3-22
(Sheet 16 of 16)

Rev 0