

WISE SoE data request 2007 - Step 3

EIONET-Water: Lakes

Finland

Aggregated data

Graphical presentation of possible outliers

Following graphical representations of time series were generated from data in tables, which are uploaded at Eionet Water library on EEA CIRCA on same place as this document. The tables contains list of records which responsible ETC-WTR data manager detected as outlying using documented rules and methods.

Responsible national data managers or experts can use this document to help them decide whether detected values are errors or results of natural processes which are possible in respective area. Results of their decision (either corrected values or explanation) should be prepared and delivered according published guidelines or upon an agreement with responsible data manager of the ETC-WTR.

Time series graphs are ordered by determinand, by station ID and by aggregation period in this order.

Determinand:

BOD7

WaterbaseID:

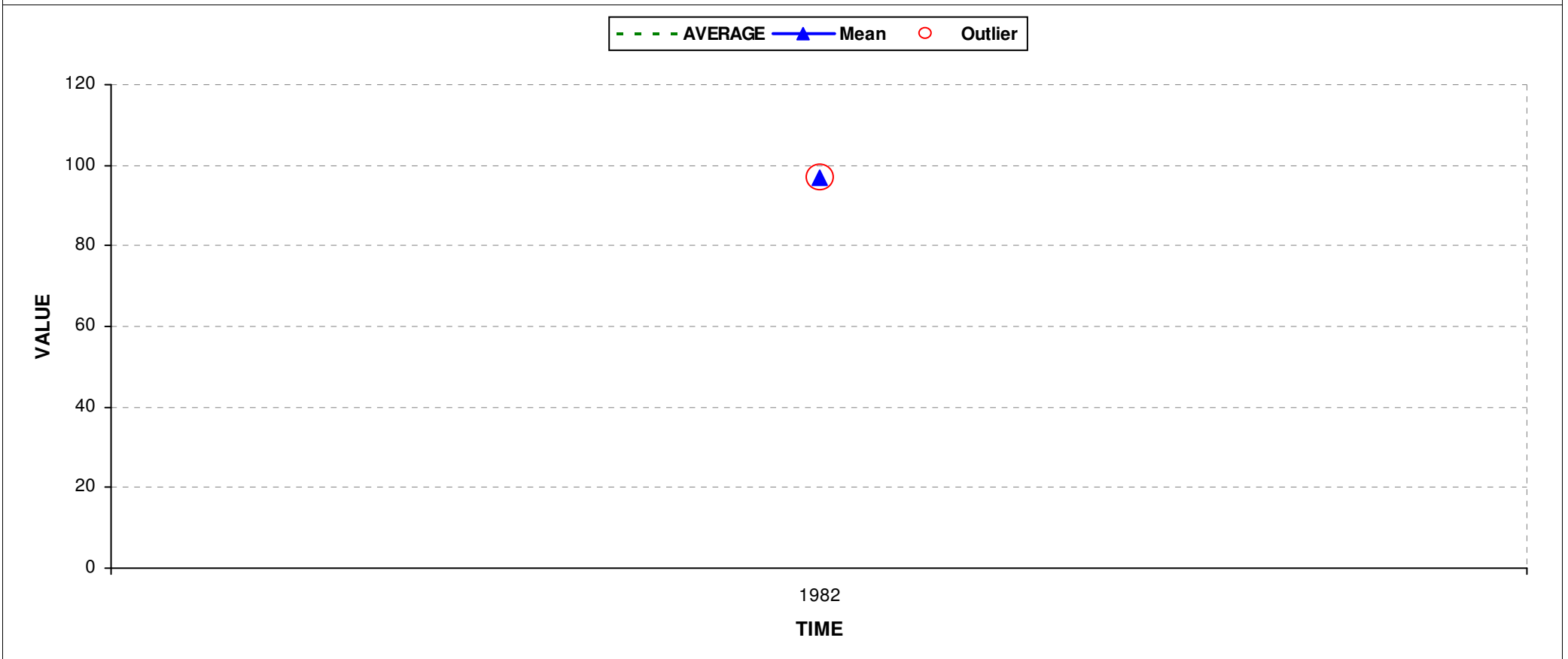
FI_LK_8016

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1982, mg/l O2]: 97



Determinand:

CODMn

WaterbaseID:

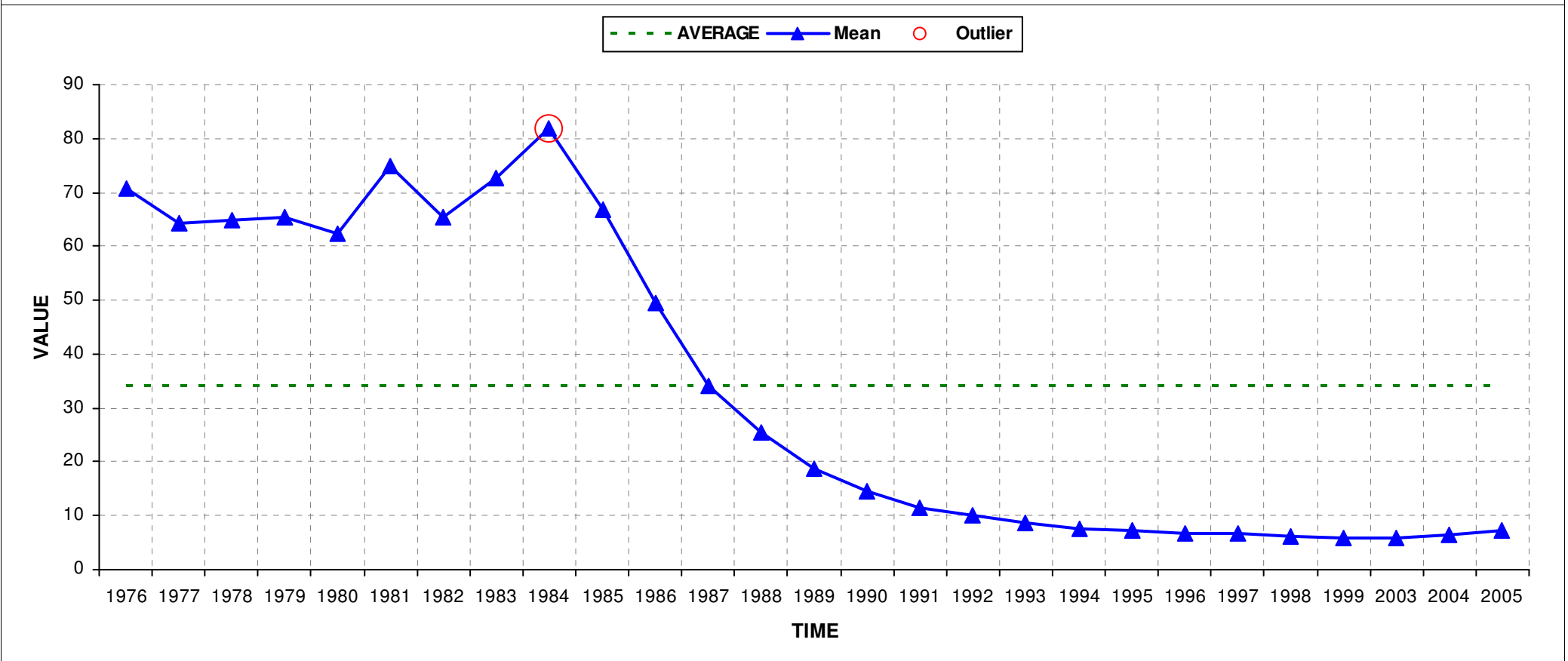
FI_LK_25398

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1984, mg/l O₂]: 81.881



Determinand:

CODMn

WaterbaseID:

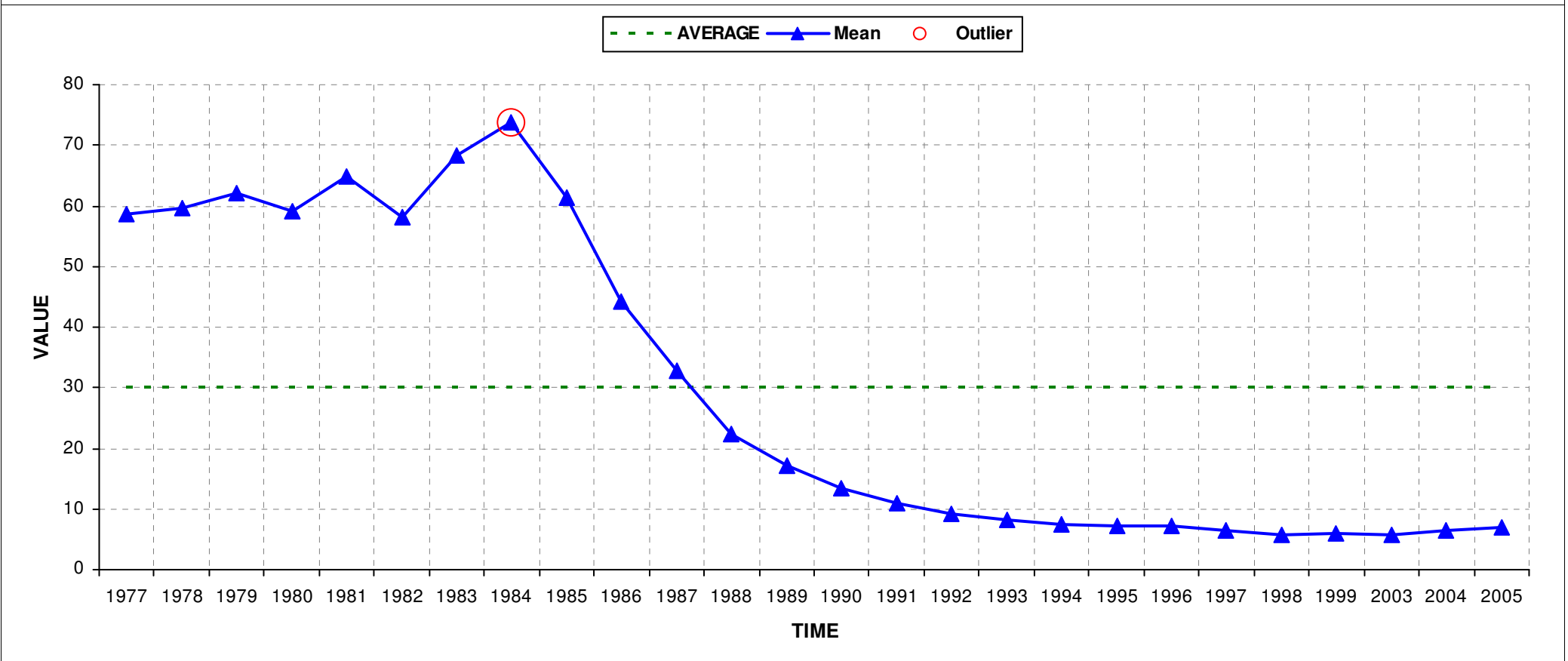
FI_LK_25398

AggregationPeriod:

Summer

Outlier values ([Year, Unit]: Mean):

[1984, mg/l O₂]: 73.857



Determinand:

CODMn

WaterbaseID:

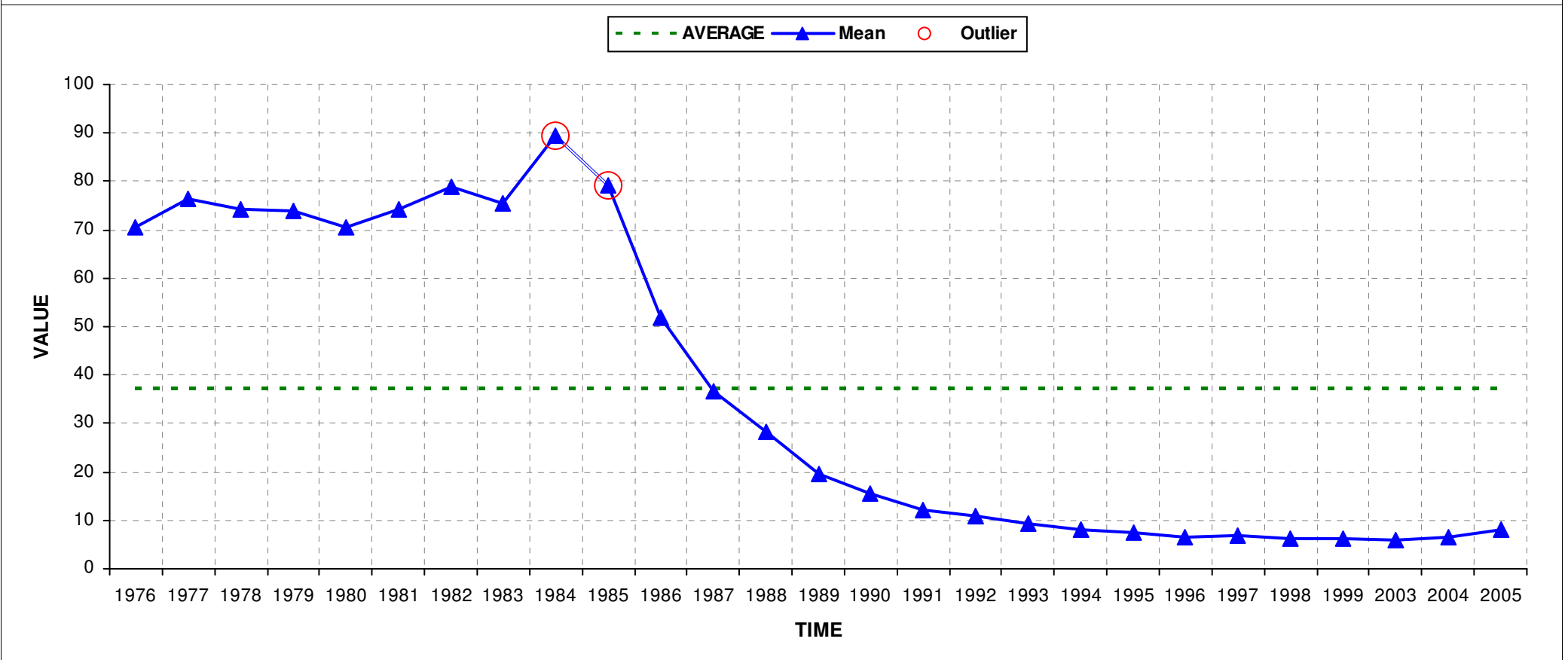
FI_LK_25398

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1984, mg/l O₂]: 89.588; [1985, mg/l O₂]: 79.05



Determinand:

CODMn

WaterbaseID:

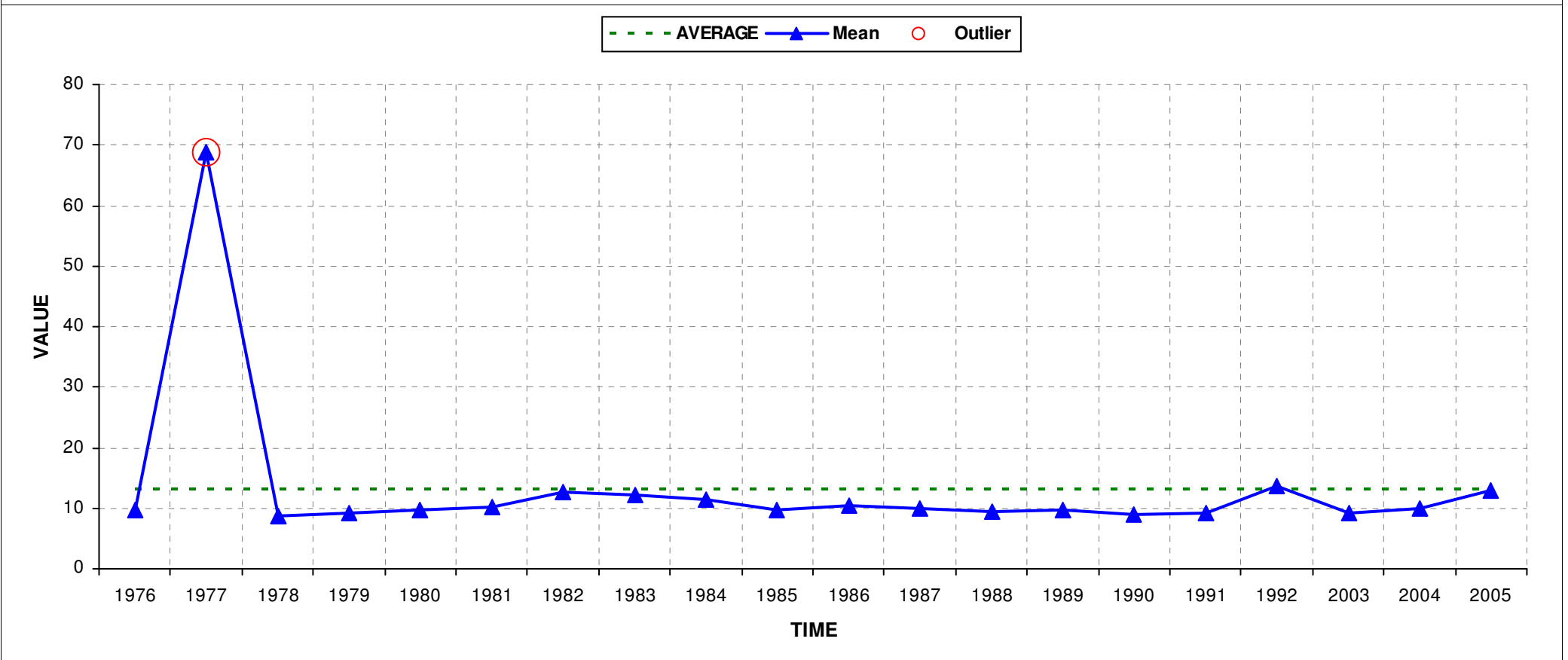
FI_LK_37572

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1977, mg/l O₂]: 68.833



Determinand:

CODMn

WaterbaseID:

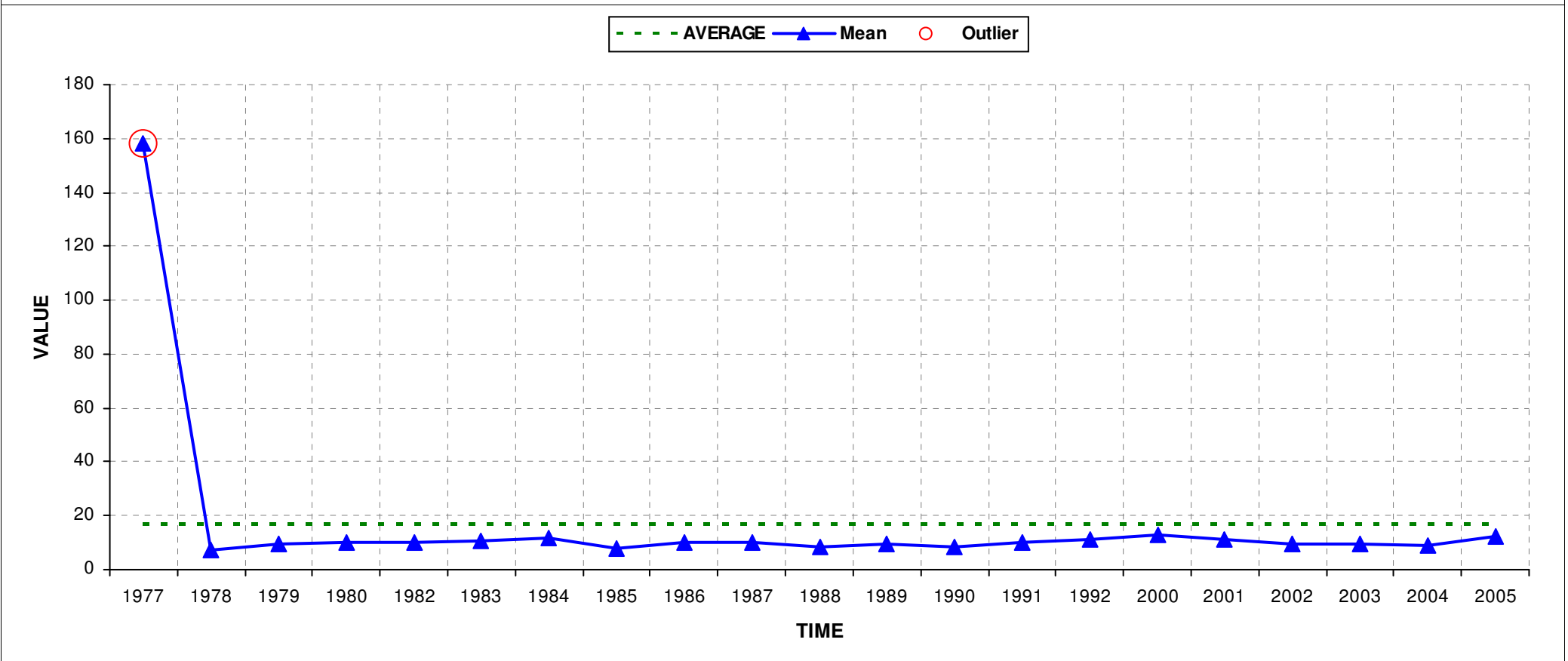
FI_LK_37572

AggregationPeriod:

Summer

Outlier values ([Year, Unit]: Mean):

[1977, mg/l O₂]: 158.35



Determinand:

CODMn

WaterbaseID:

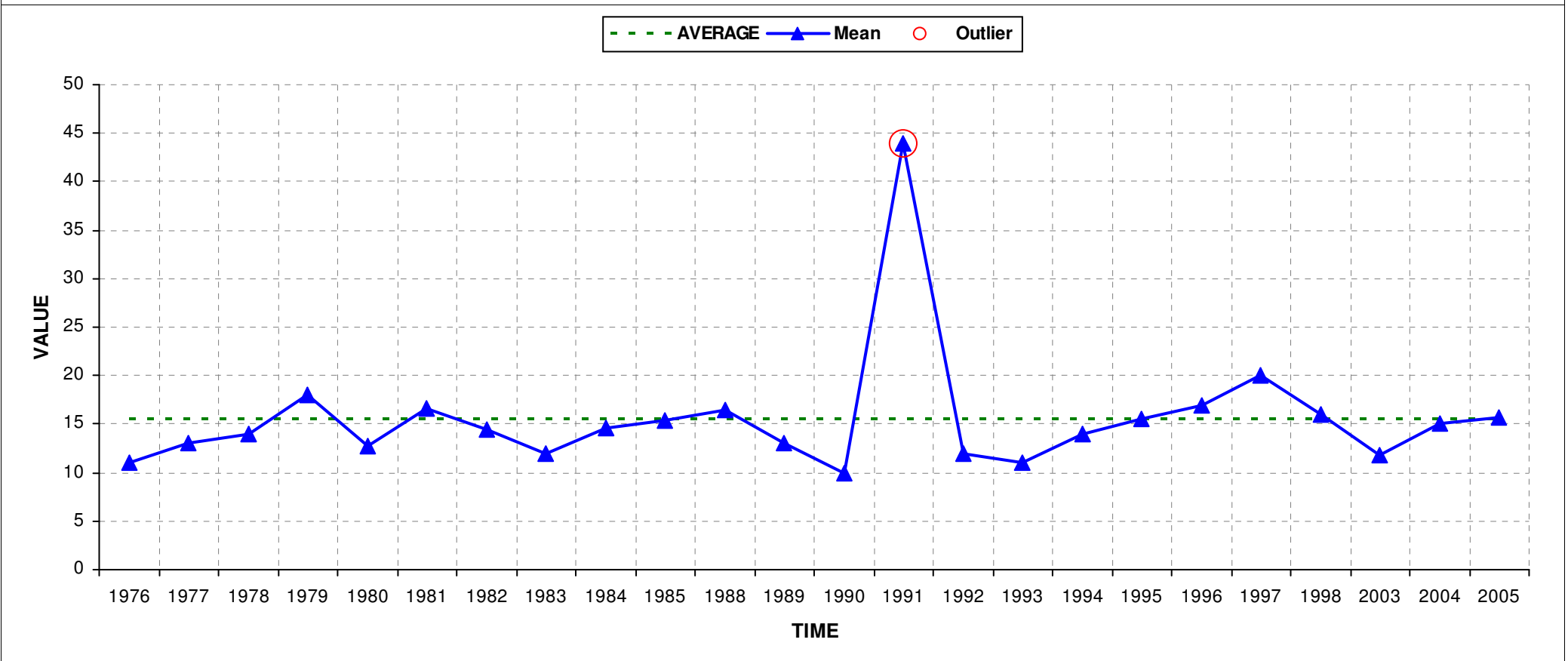
FI_LK_7987

AggregationPeriod:

Summer

Outlier values ([Year, Unit]: Mean):

[1991, mg/l O₂]: 44



Determinand:

CODMn

WaterbaseID:

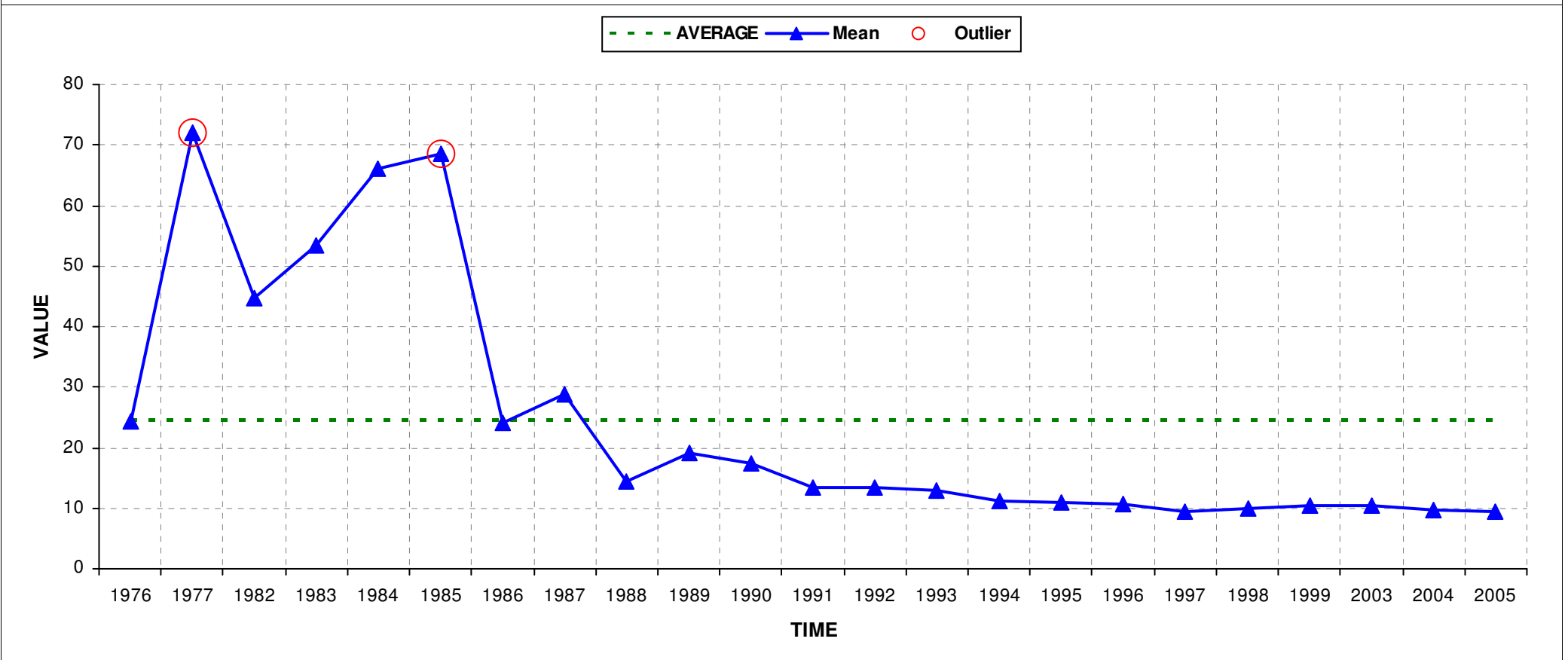
FI_LK_8016

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1977, mg/l O₂]: 72.125; [1985, mg/l O₂]: 68.538



Determinand:

CODMn

WaterbaseID:

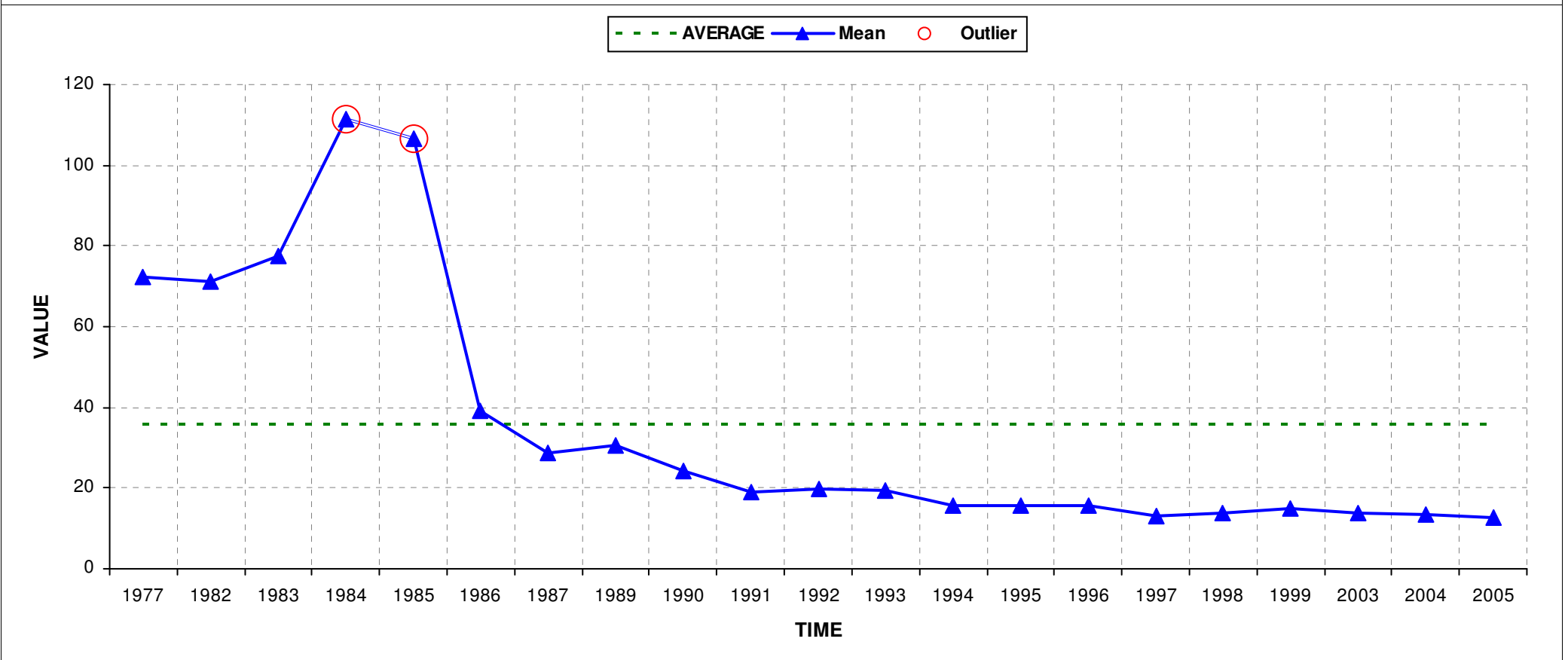
FI_LK_8016

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1984, mg/l O₂]: 111.5; [1985, mg/l O₂]: 106.4



Determinand:

CODMn

WaterbaseID:

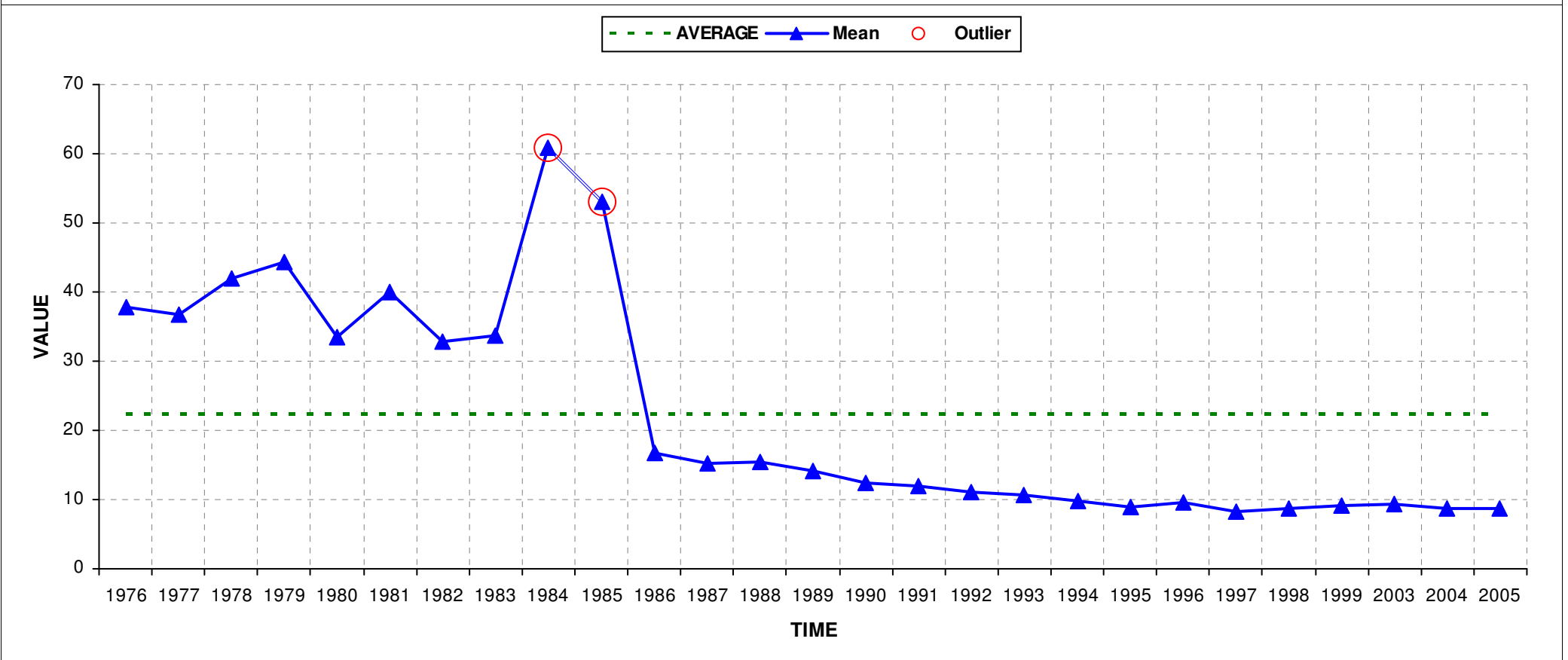
FI_LK_8029

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1984, mg/l O2]: 60.865; [1985, mg/l O2]: 53.127



Determinand:

CODMn

WaterbaseID:

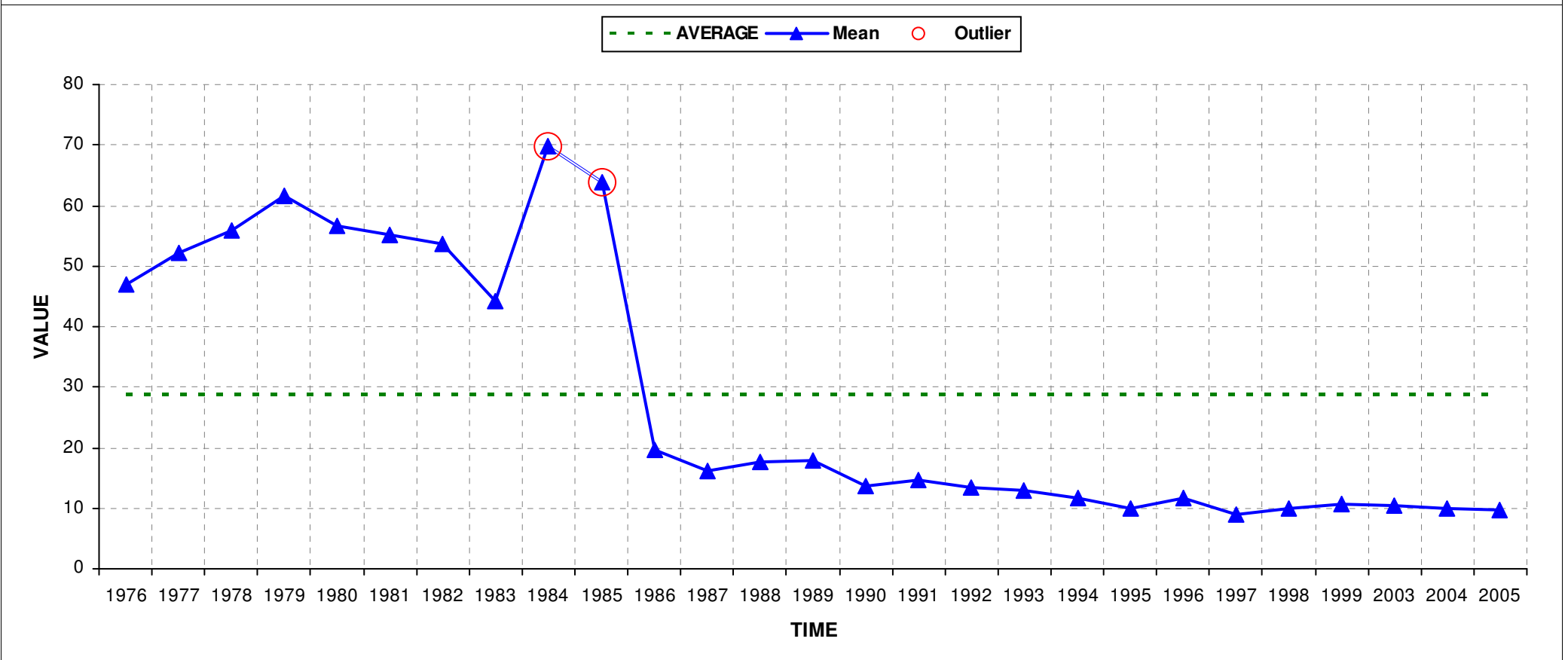
FI_LK_8029

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1984, mg/l O₂]: 69.881; [1985, mg/l O₂]: 63.875



Determinand:

CODMn

WaterbaseID:

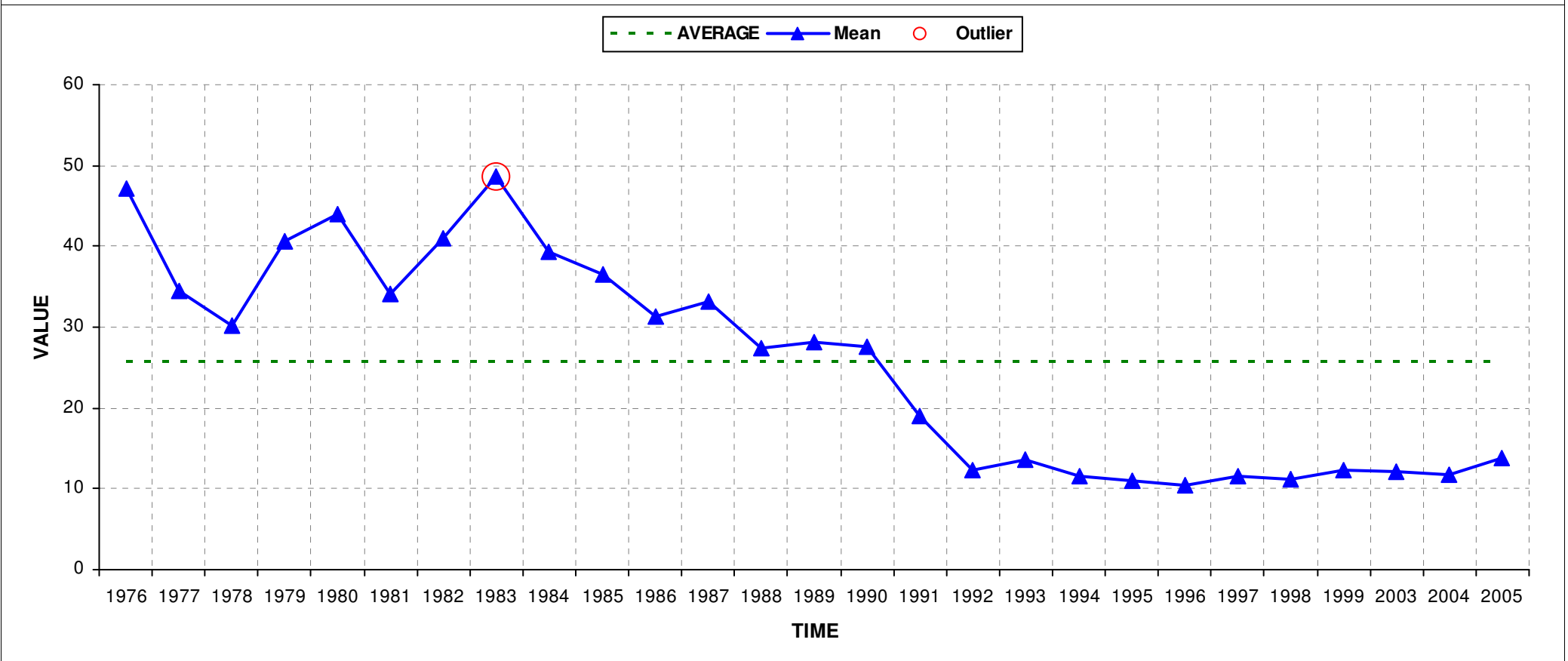
FI_LK_8277

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1983, mg/l O₂]: 48.7



Determinand:

CODMn

WaterbaseID:

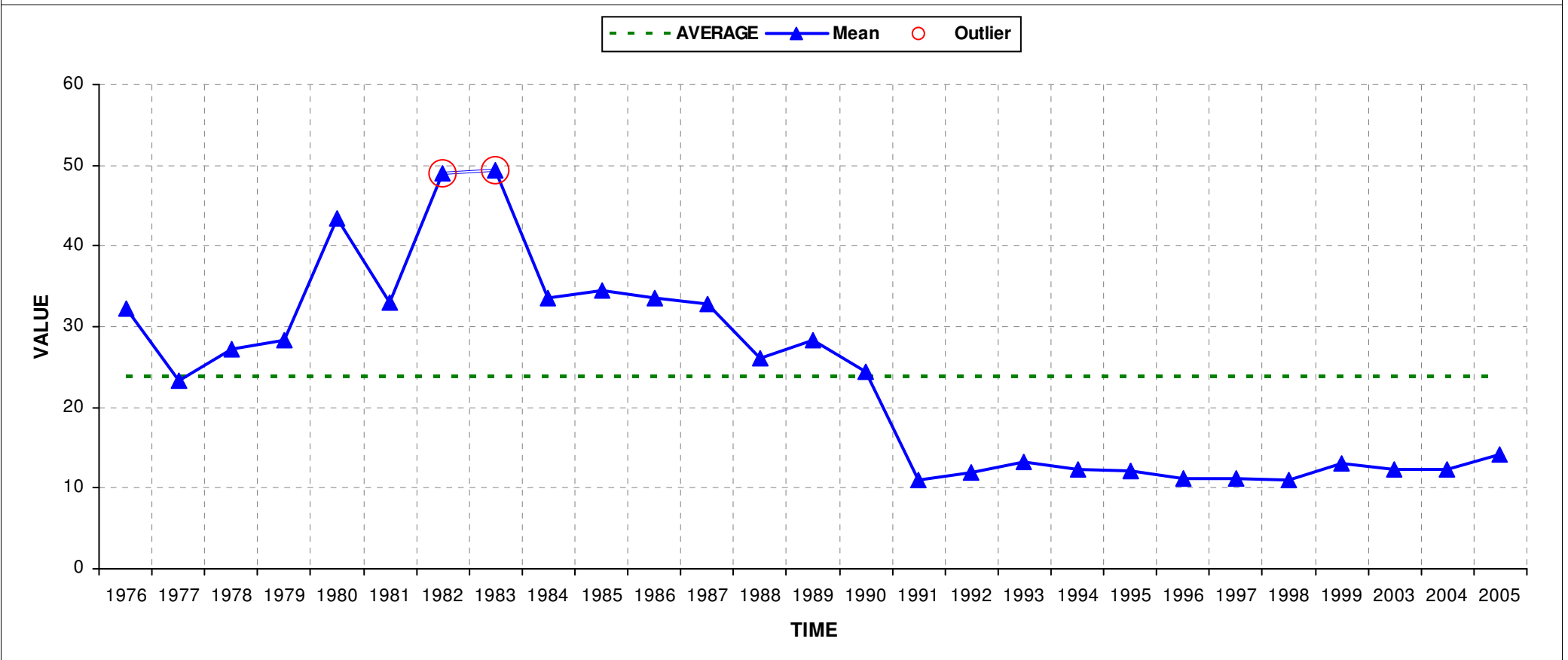
FI_LK_8277

AggregationPeriod:

Summer

Outlier values ([Year, Unit]: Mean):

[1982, mg/l O2]: 49; [1983, mg/l O2]: 49.4



Determinand:

CODMn

WaterbaseID:

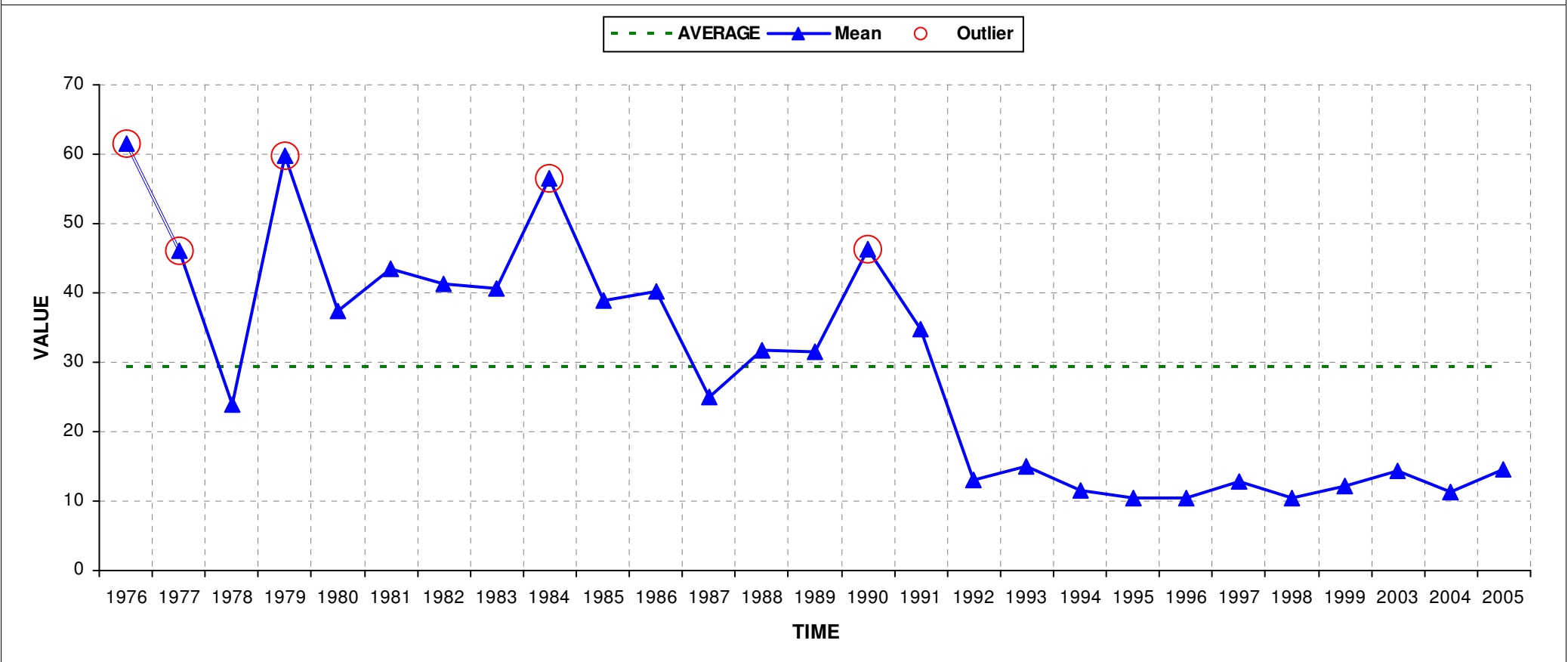
FI_LK_8277

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1976, mg/l O2]: 61.5; [1977, mg/l O2]: 46; [1979, mg/l O2]: 59.75; [1984, mg/l O2]: 56.416; [1990, mg/l O2]: 46.4



Determinand:

Orthophosphate

WaterbaseID:

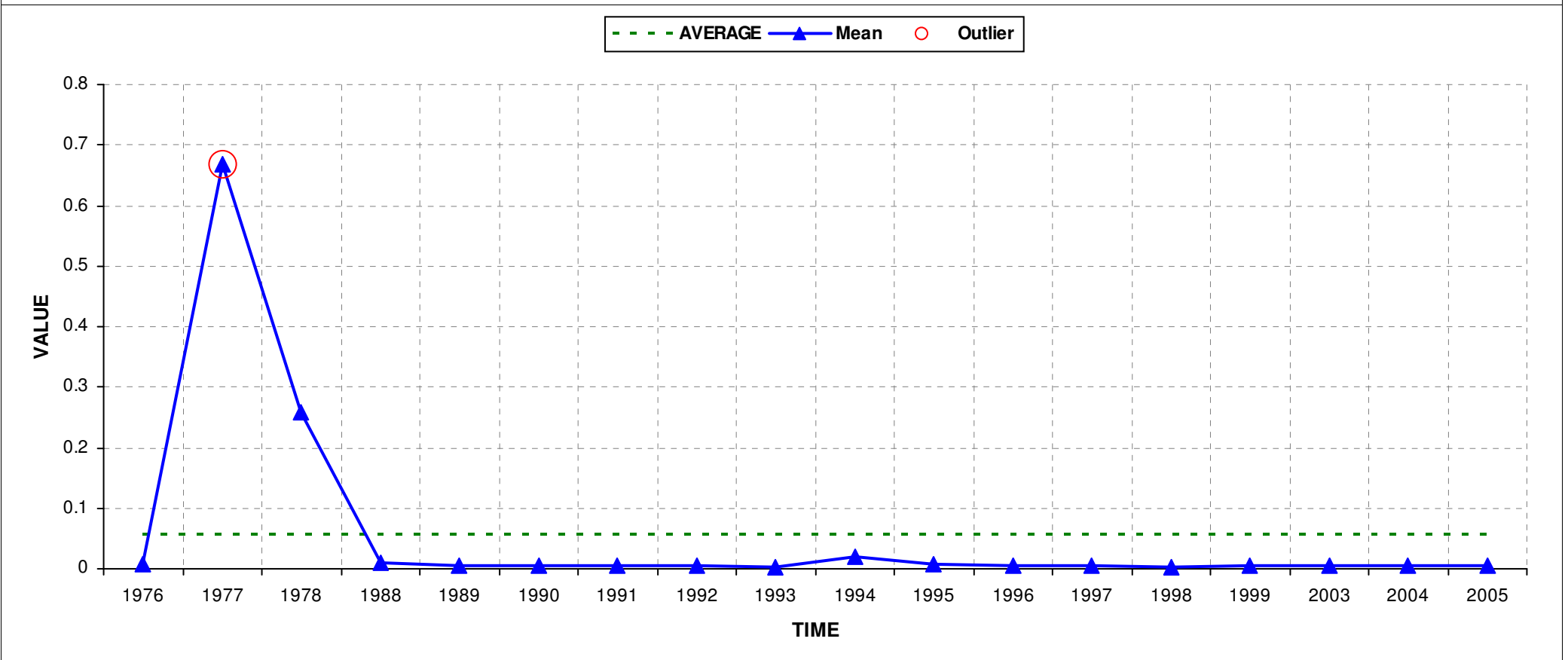
FI_LK_29955

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1977, mg/l P]: 0.669



Determinand:

Orthophosphate

WaterbaseID:

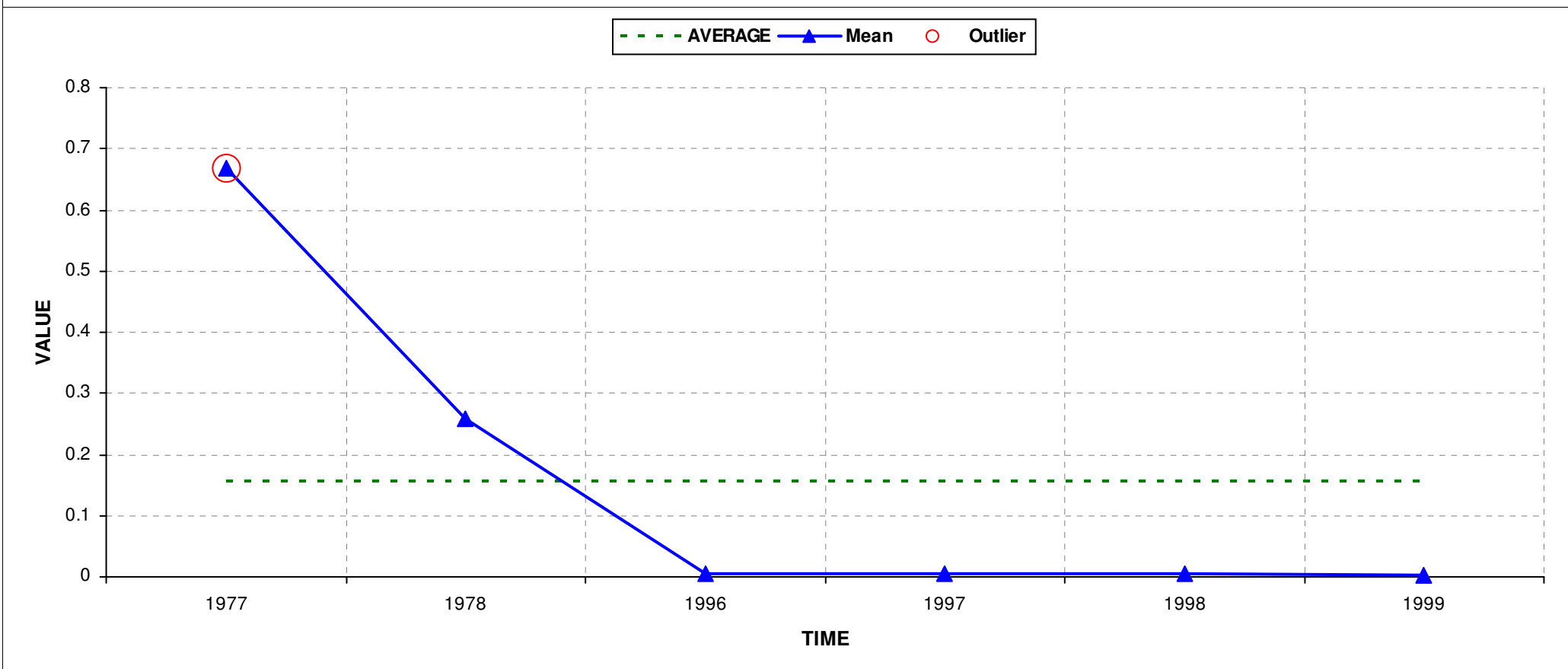
FI_LK_29955

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1977, mg/l P]: 0.669



Determinand:

Total Ammonium

WaterbaseID:

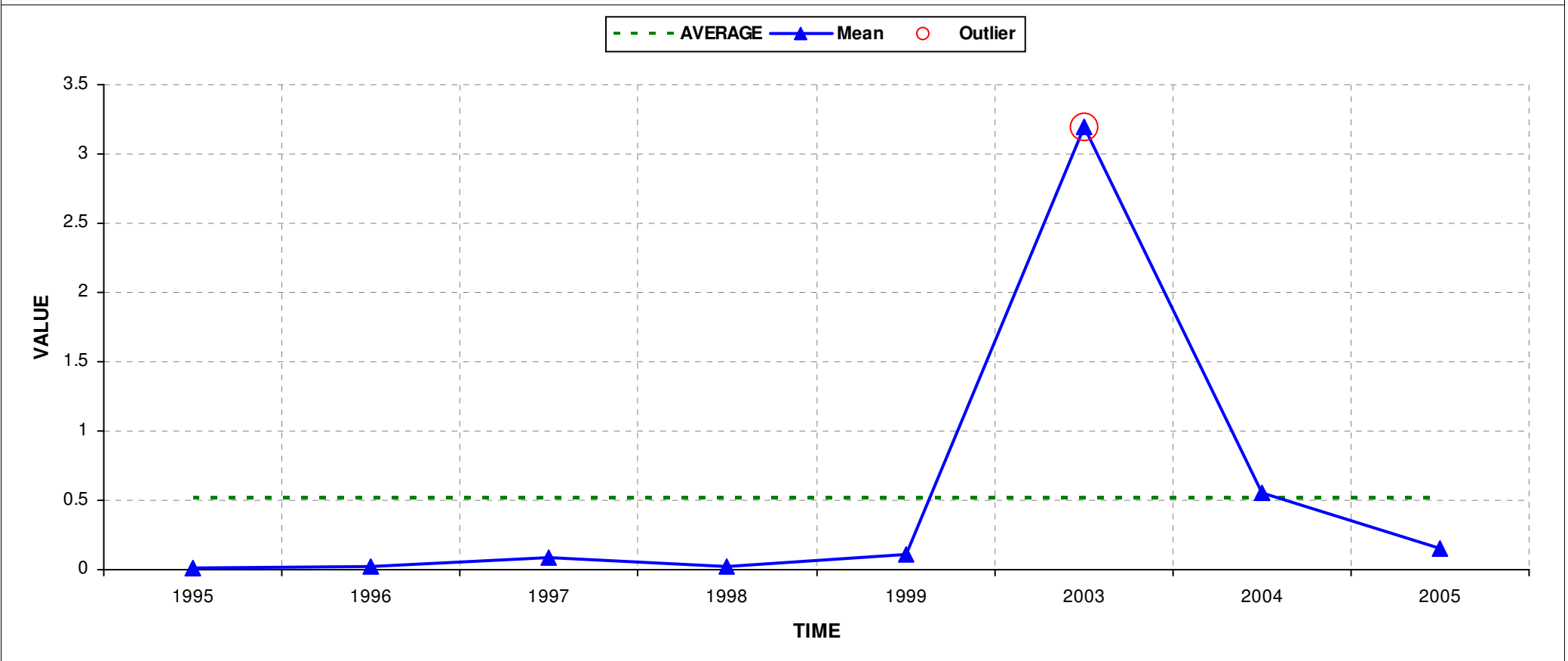
FI_LK_14457

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 3.194



Determinand:

Total Ammonium

WaterbaseID:

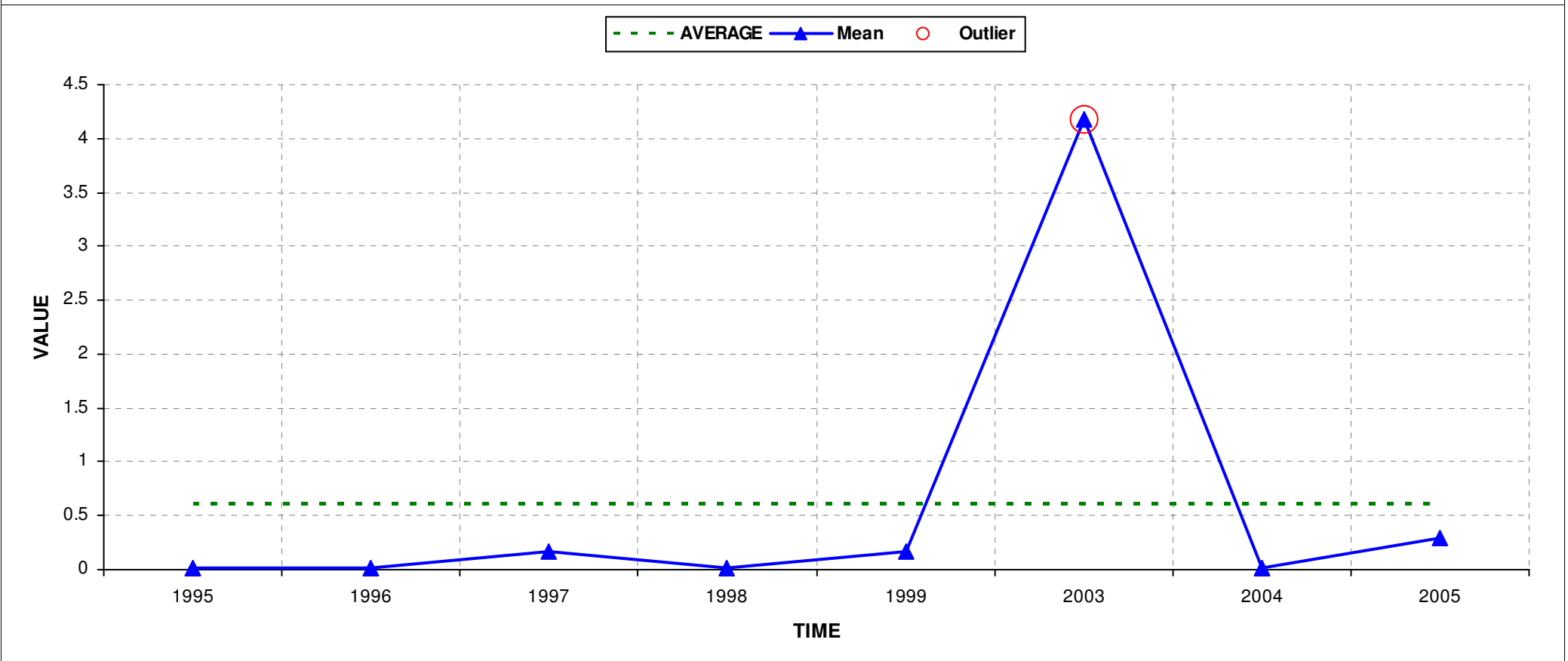
FI_LK_14457

AggregationPeriod:

Summer

Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 4.182



Determinand:

Total Ammonium

WaterbaseID:

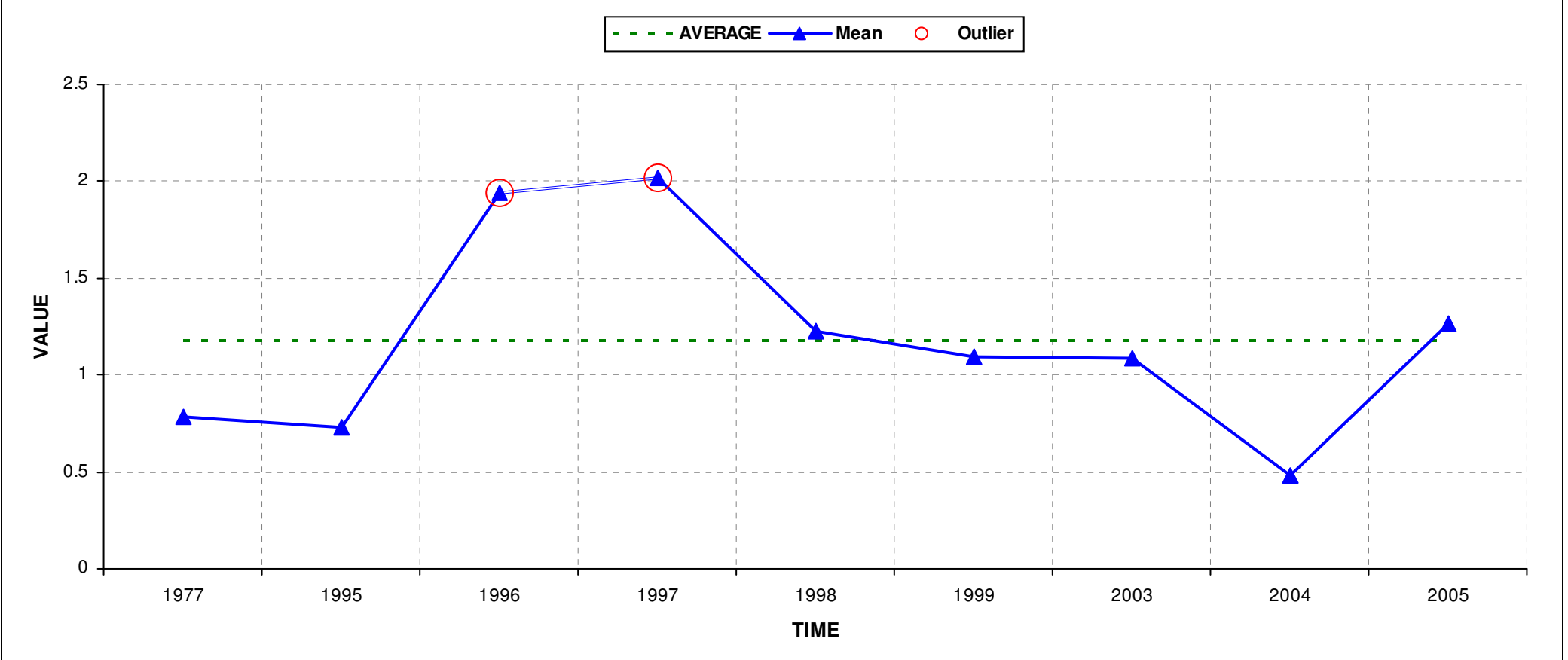
FI_LK_14694

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1996, mg/l N]: 1.94; [1997, mg/l N]: 2.015



Determinand:

Total Ammonium

WaterbaseID:

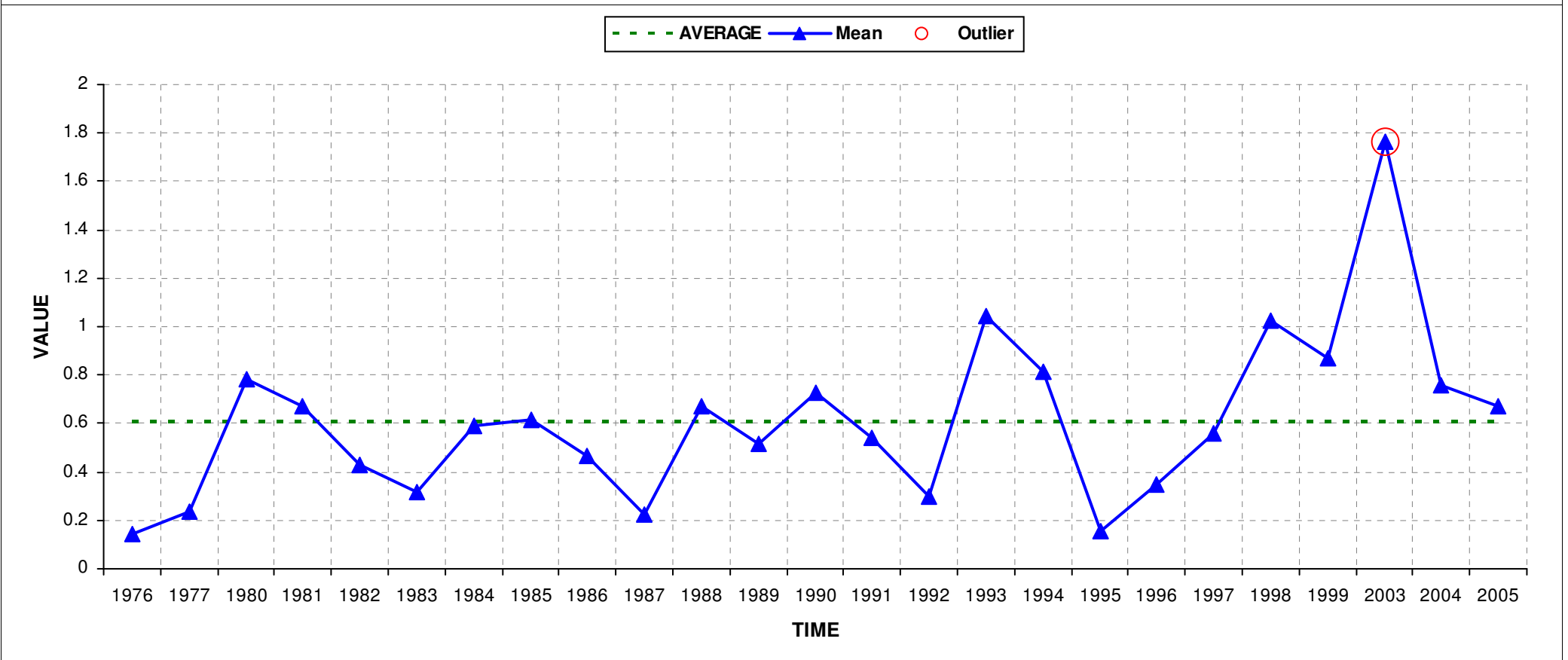
FI_LK_1724

AggregationPeriod:

Summer

Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 1.767



Determinand:

Total Ammonium

WaterbaseID:

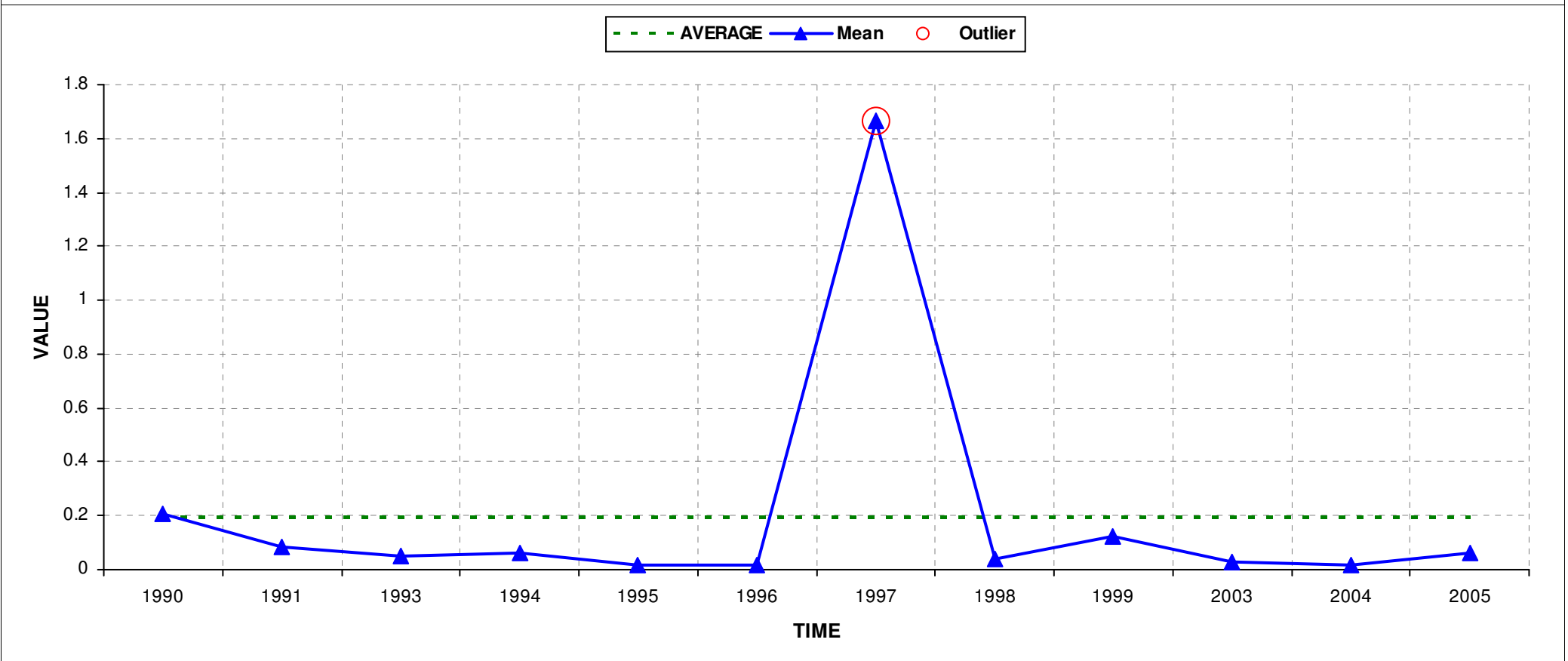
FI_LK_17839

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1997, mg/l N]: 1.668



Determinand:

Total Ammonium

WaterbaseID:

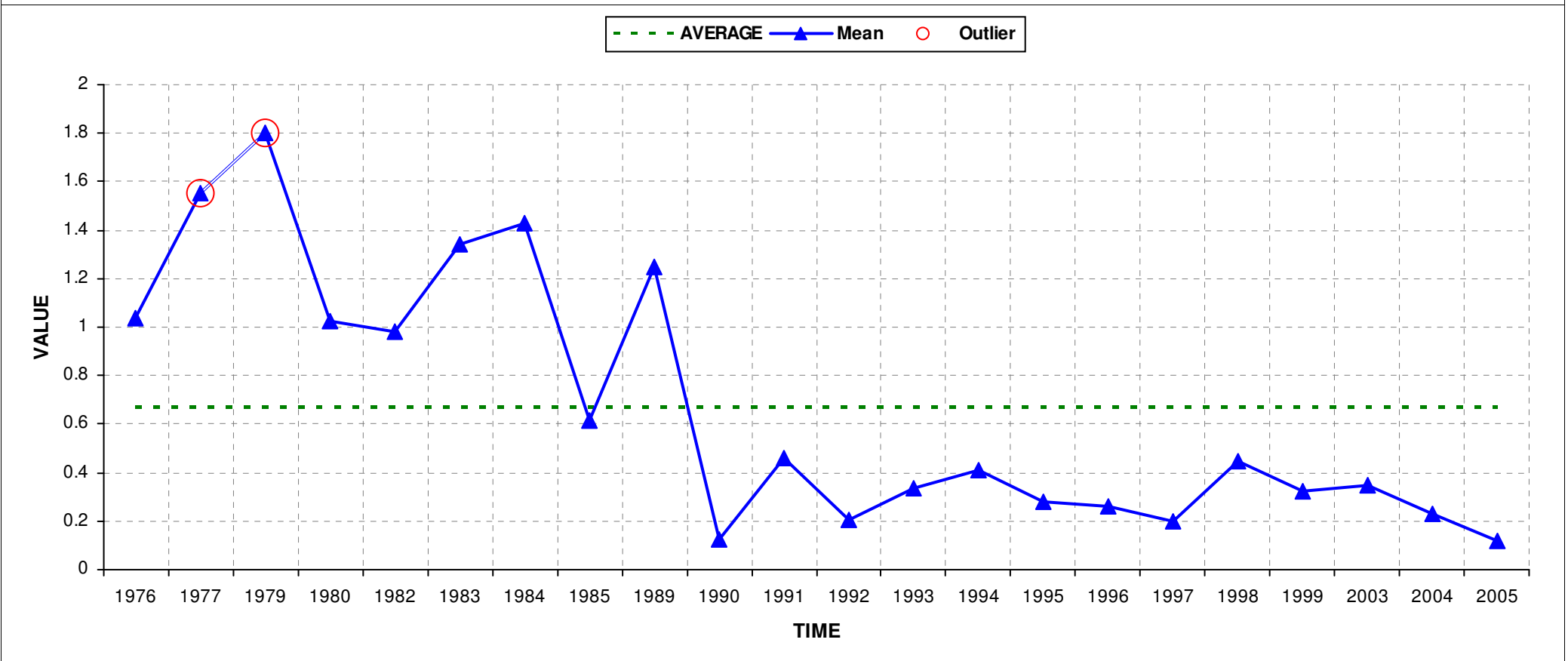
FI_LK_22605

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1977, mg/l N]: 1.55; [1979, mg/l N]: 1.8



Determinand:

Total Ammonium

WaterbaseID:

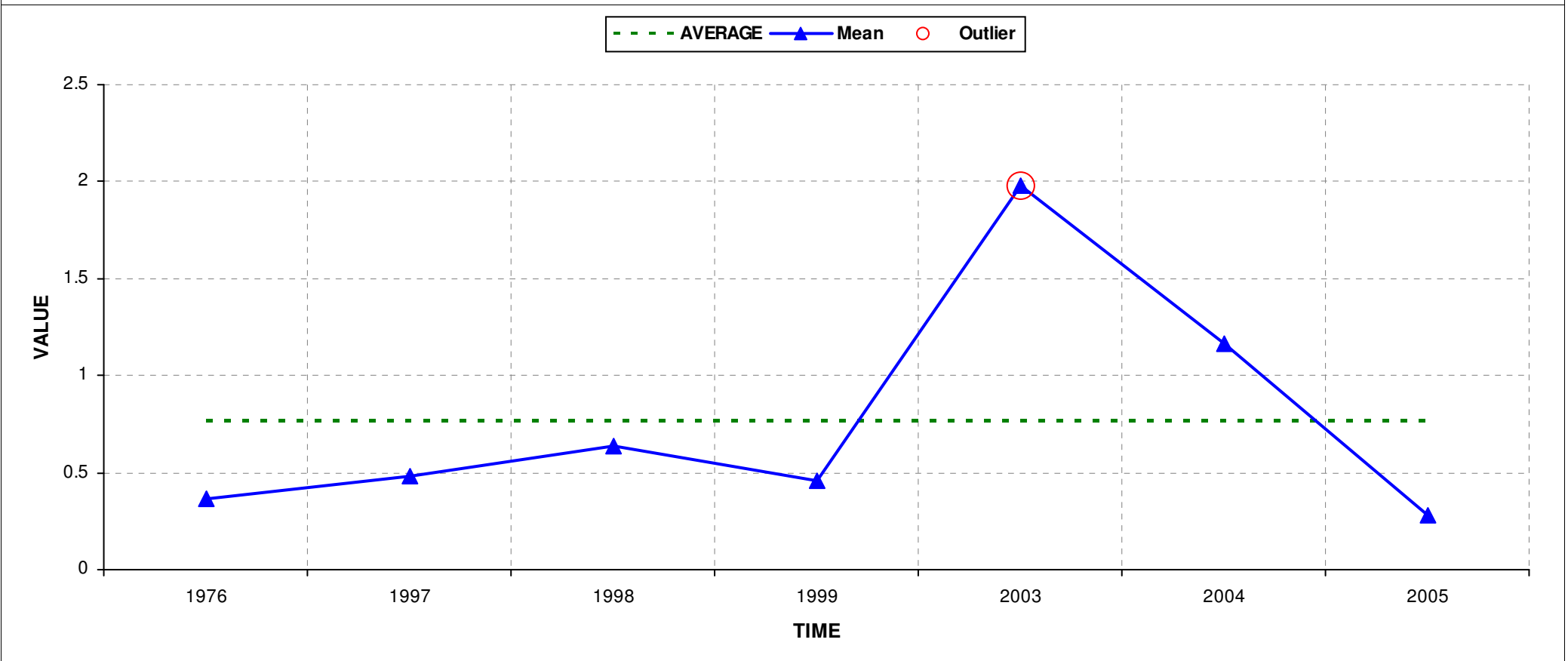
FI_LK_24774

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 1.976



Determinand:

Total Ammonium

WaterbaseID:

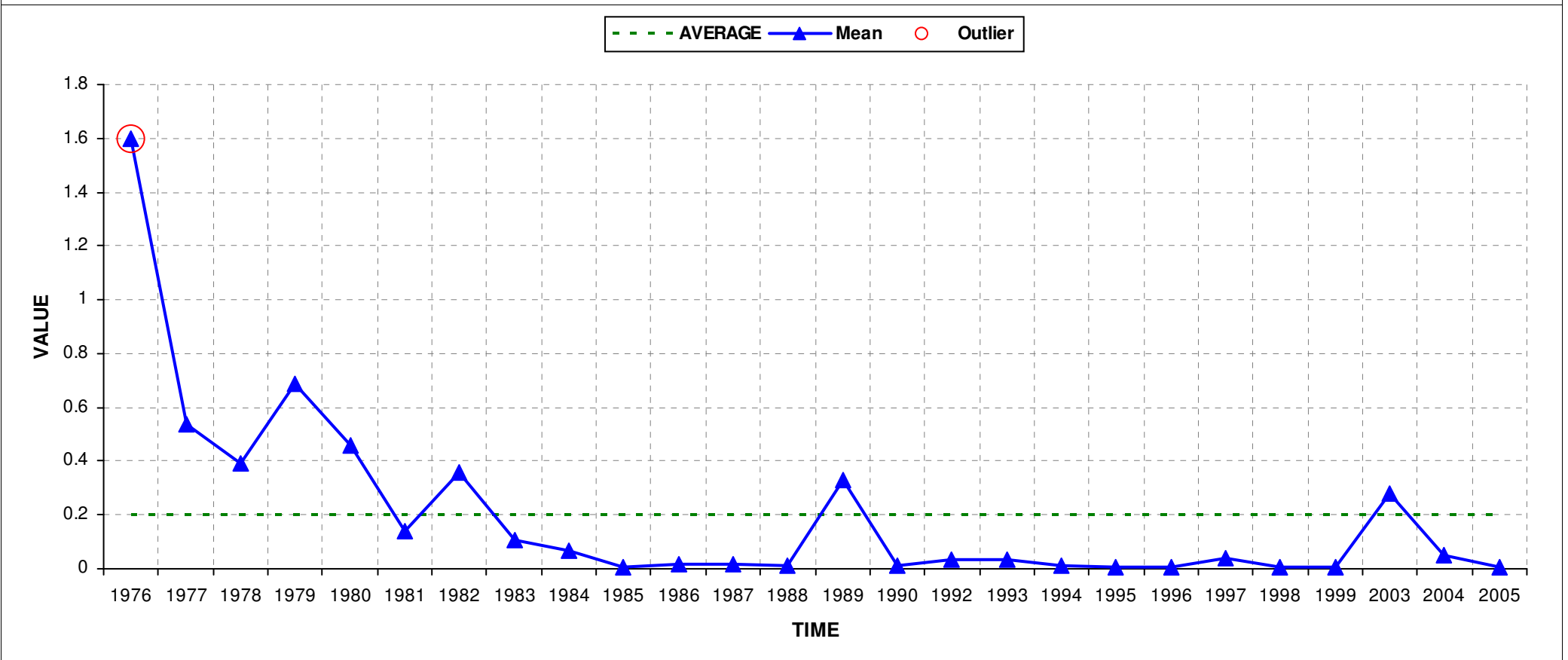
FI_LK_2536

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1976, mg/l N]: 1.6



Determinand:

Total Ammonium

WaterbaseID:

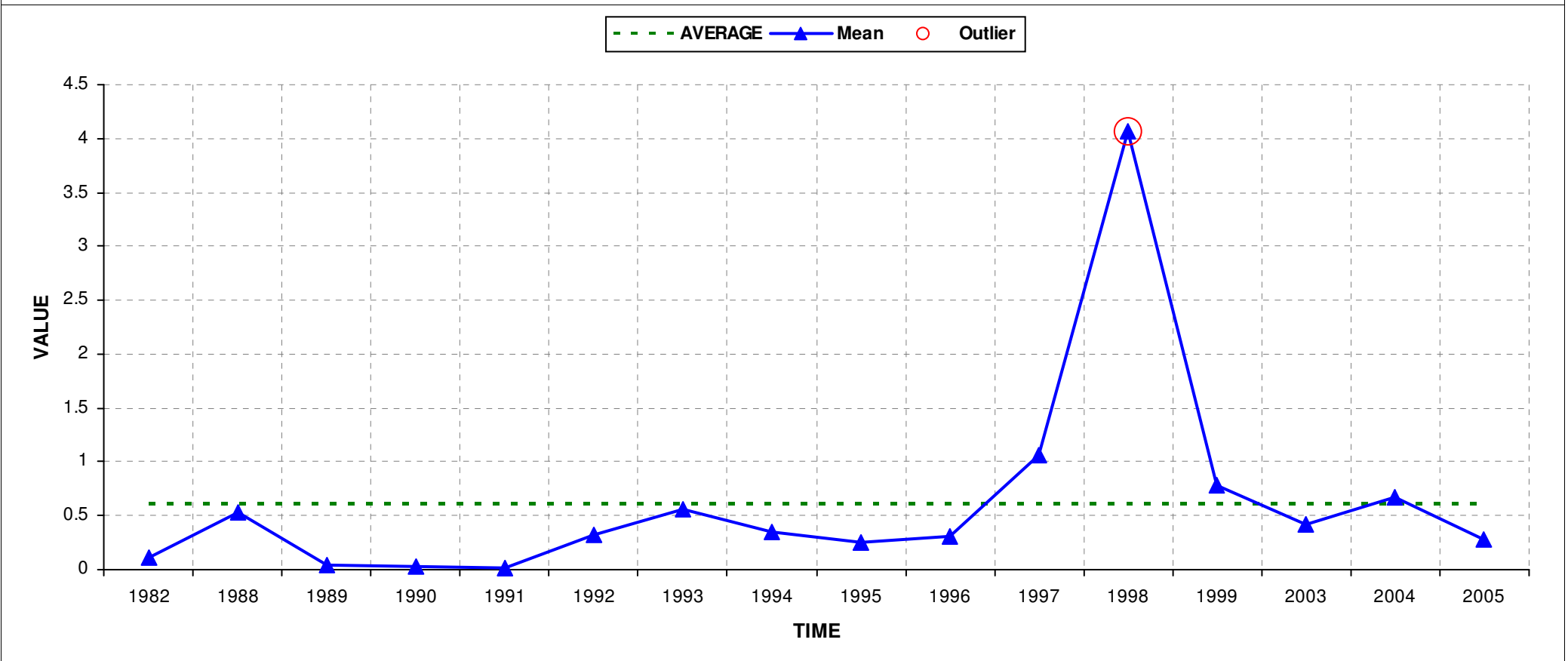
FI_LK_29955

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1998, mg/l N]: 4.073



Determinand:

Total Ammonium

WaterbaseID:

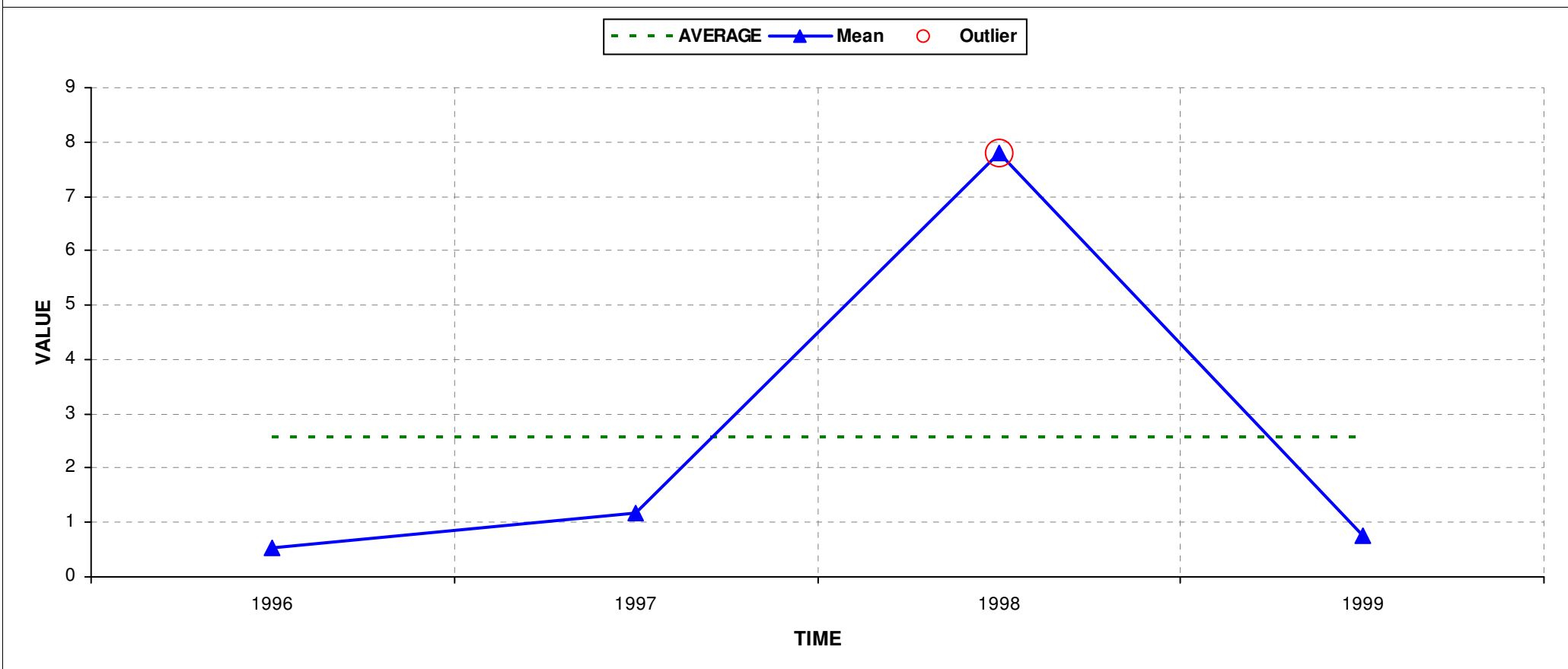
FI_LK_29955

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1998, mg/l N]: 7.79



Determinand:

Total Ammonium

WaterbaseID:

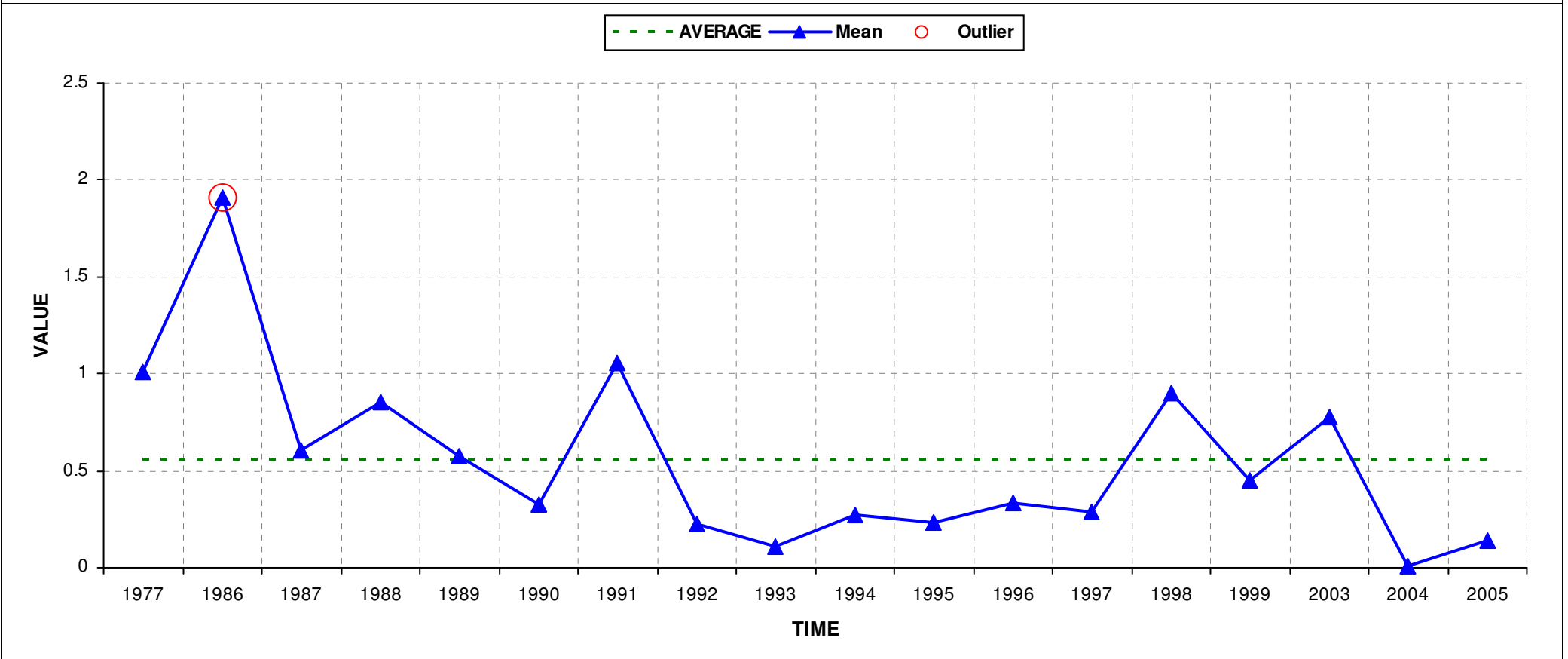
FI_LK_6417

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1986, mg/l N]: 1.913



Determinand:

Total Inorganic Nitrogen

WaterbaseID:

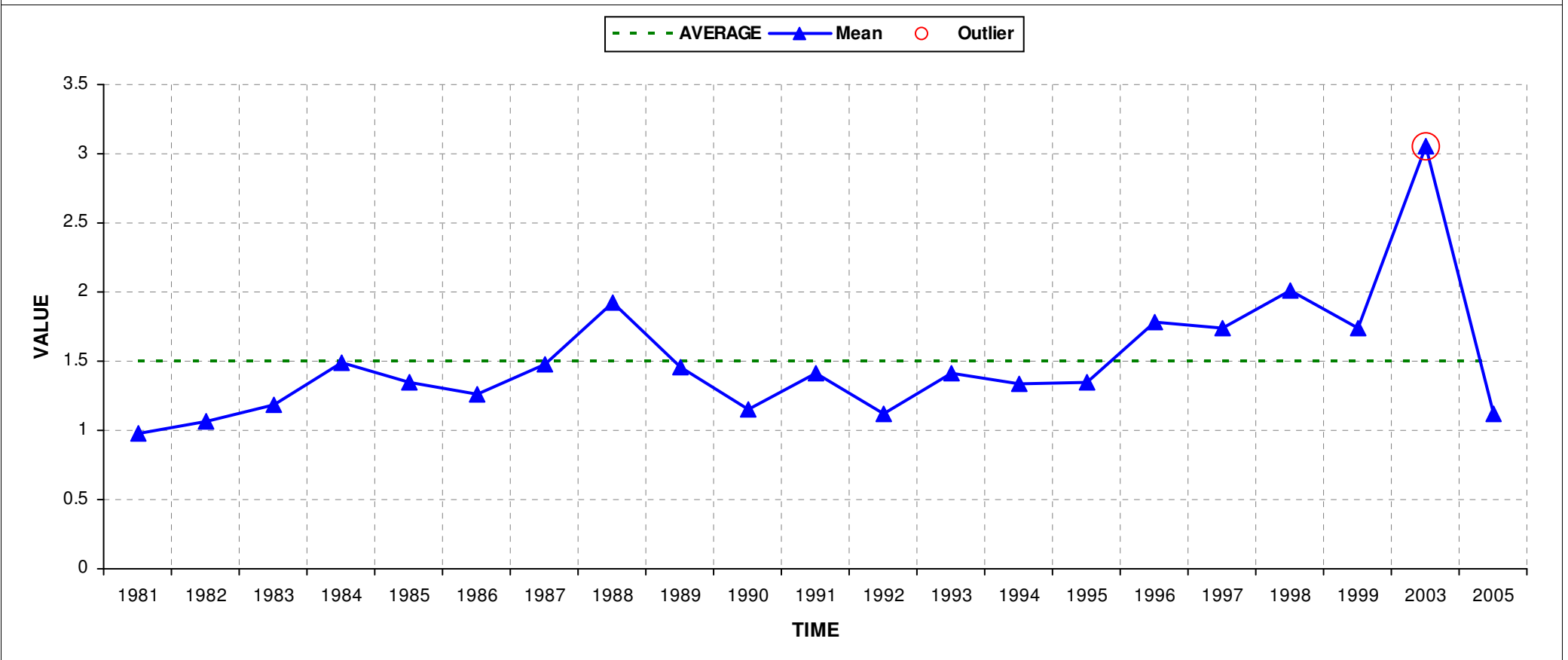
FI_LK_13456

AggregationPeriod:

Annual

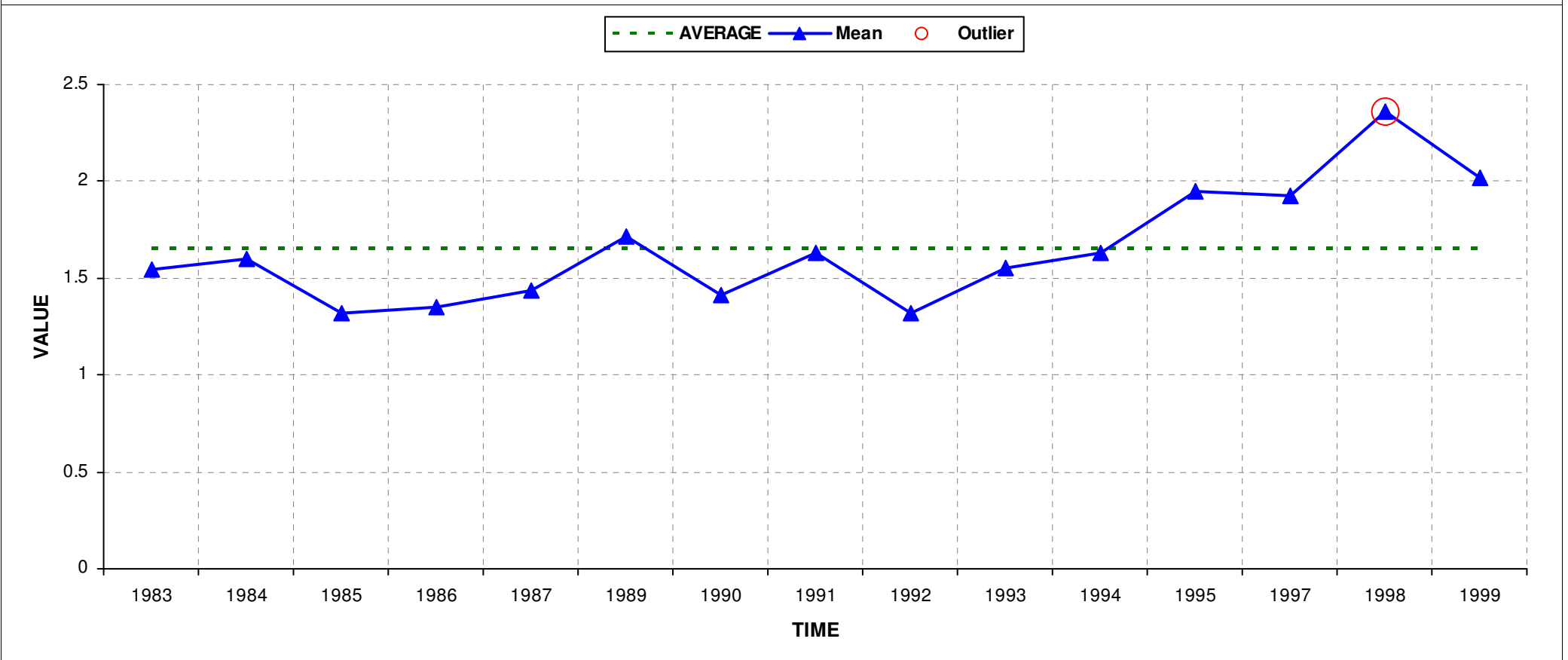
Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 3.058



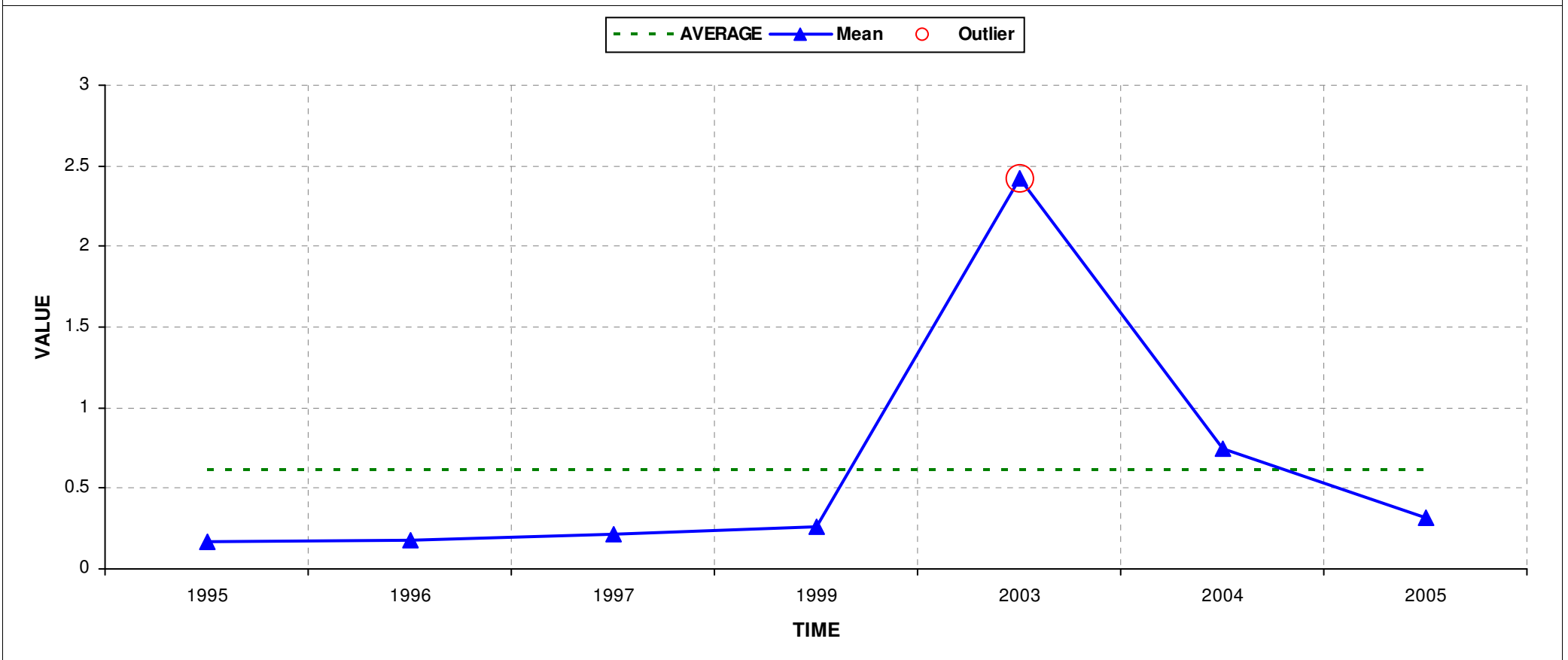
Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_13456
AggregationPeriod:
Winter

Outlier values ([Year, Unit]: Mean):
[1998, mg/l N]: 2.361



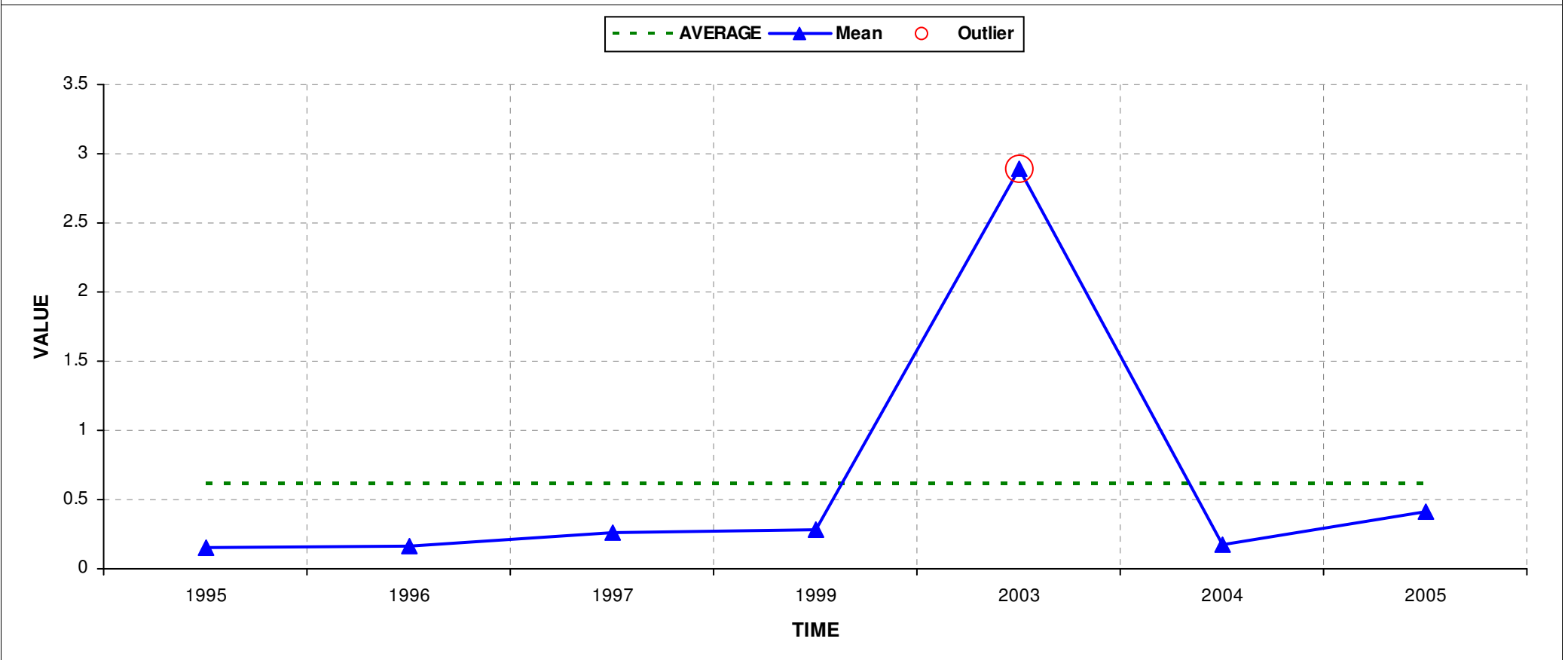
Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_14457
AggregationPeriod:
Annual

Outlier values ([Year, Unit]: Mean):
[2003, mg/l N]: 2.427



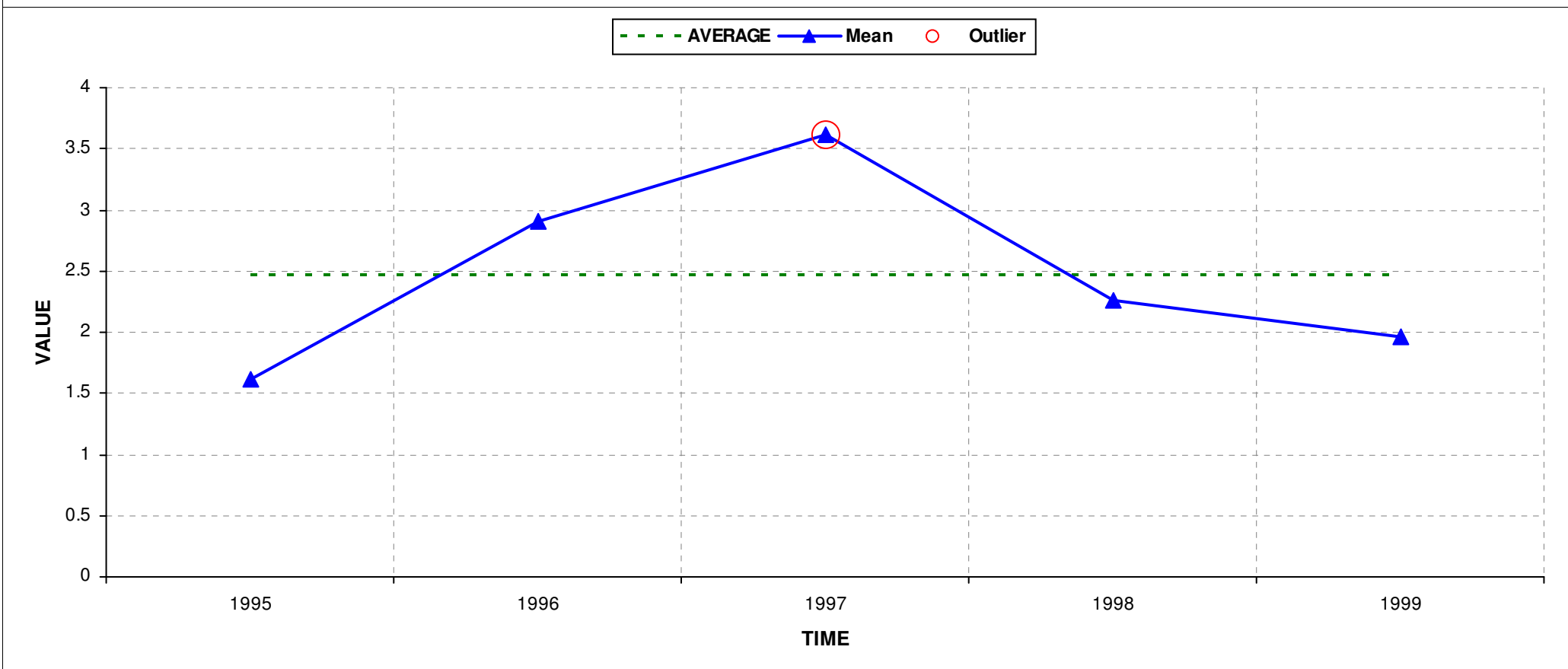
Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_14457
AggregationPeriod:
Summer

Outlier values ([Year, Unit]: Mean):
[2003, mg/l N]: 2.886



Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_14694
AggregationPeriod:
Winter

Outlier values ([Year, Unit]: Mean):
[1997, mg/l N]: 3.615



Determinand:

Total Inorganic Nitrogen

WaterbaseID:

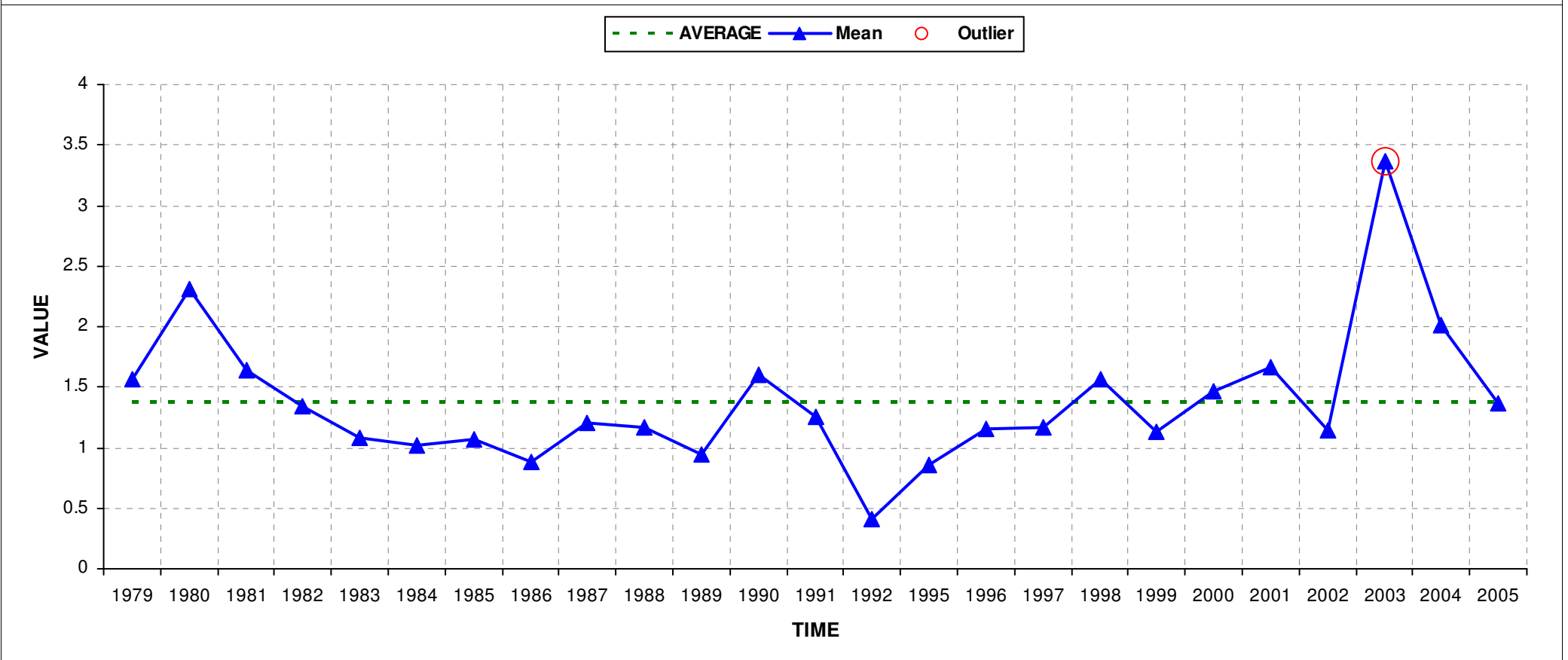
FI_LK_1724

AggregationPeriod:

Annual

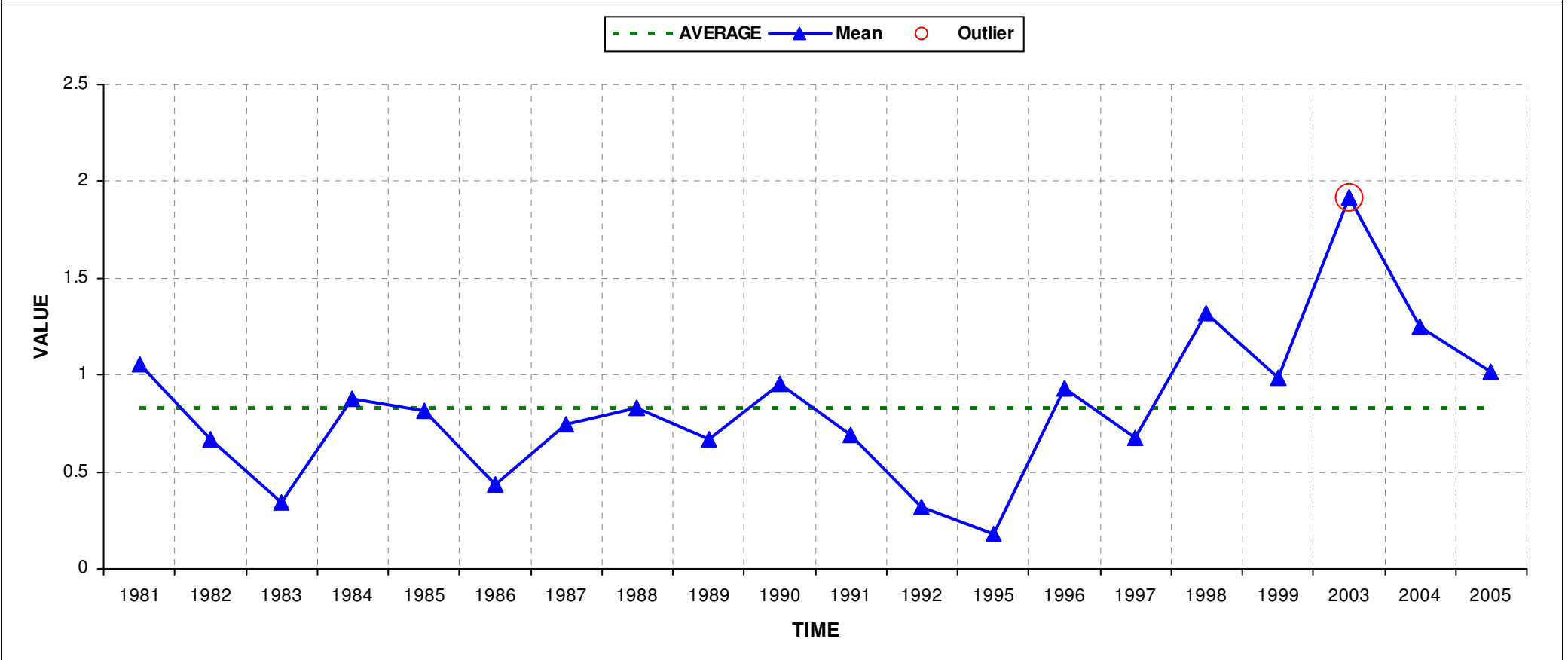
Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 3.369



Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_1724
AggregationPeriod:
Summer

Outlier values ([Year, Unit]: Mean):
[2003, mg/l N]: 1.921



Determinand:

Total Inorganic Nitrogen

WaterbaseID:

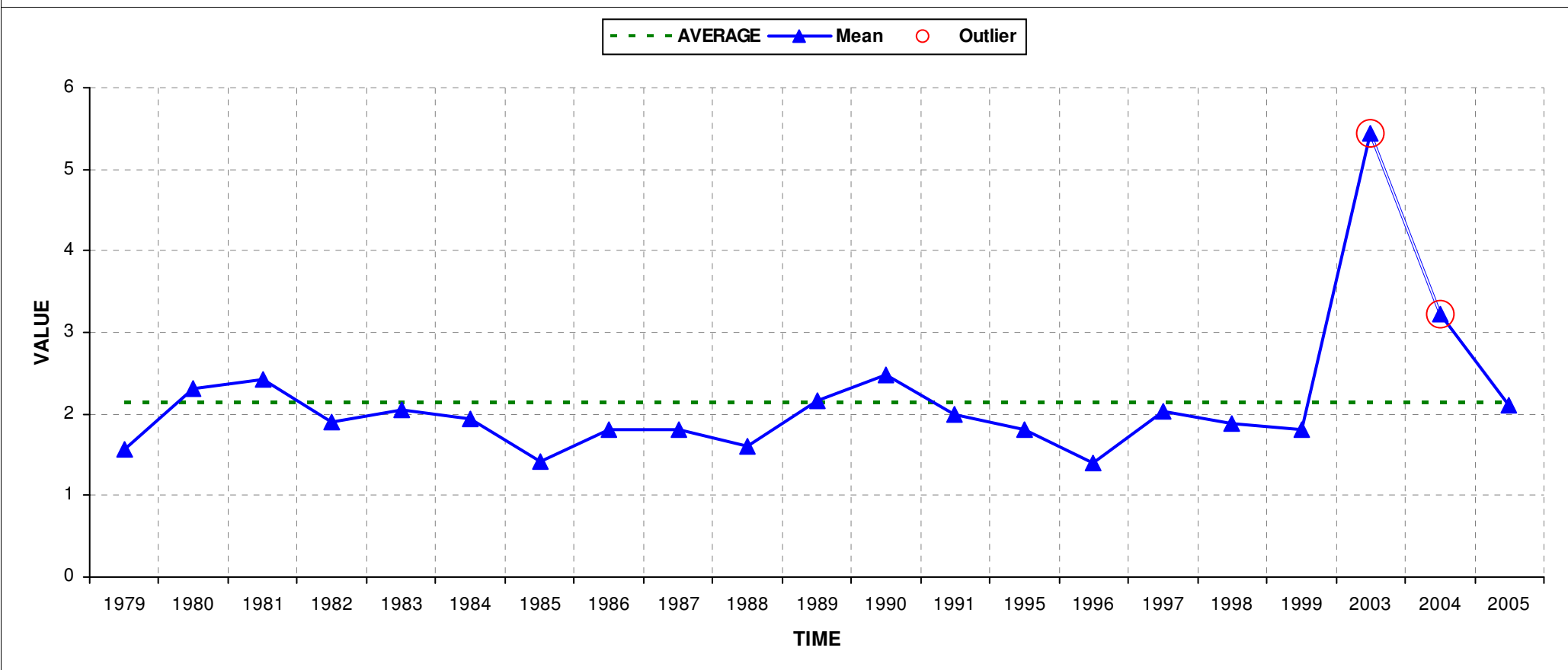
FI_LK_1724

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 5.447; [2004, mg/l N]: 3.216



Determinand:

Total Inorganic Nitrogen

WaterbaseID:

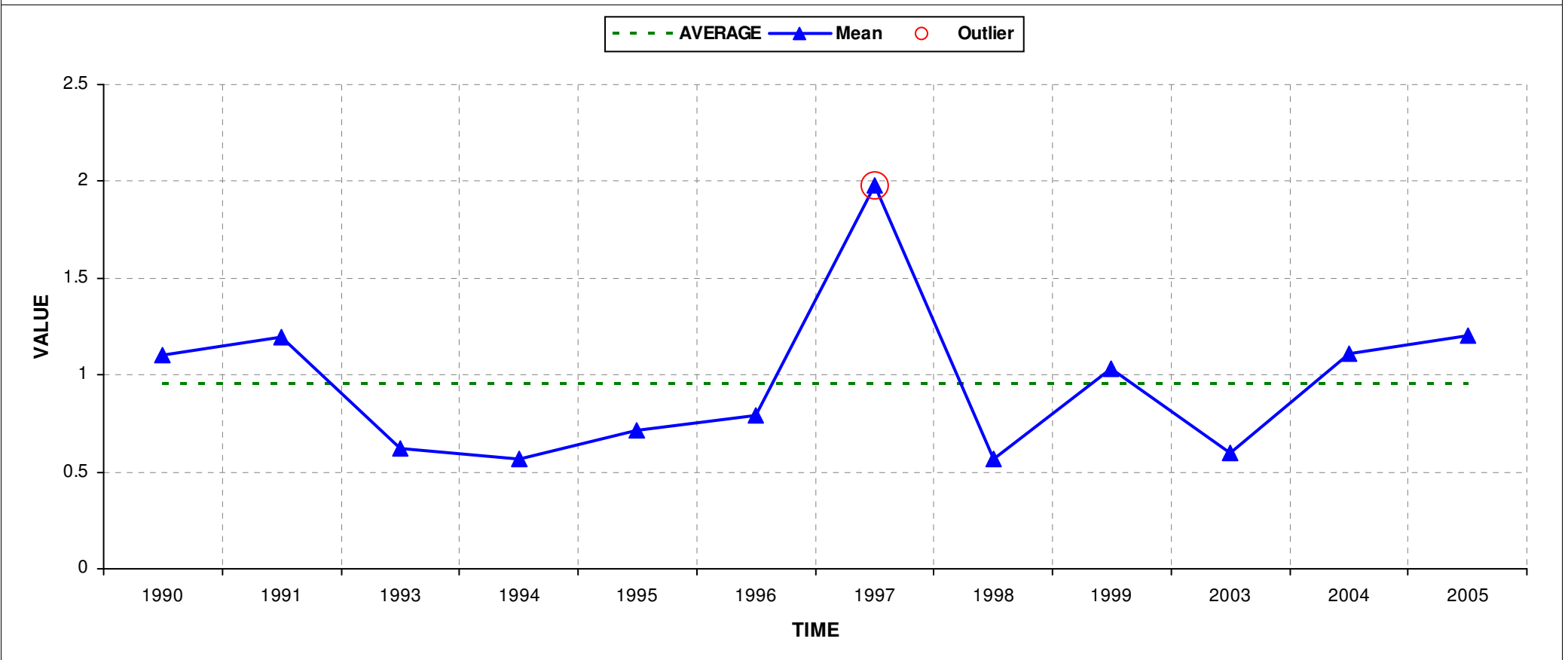
FI_LK_17839

AggregationPeriod:

Winter

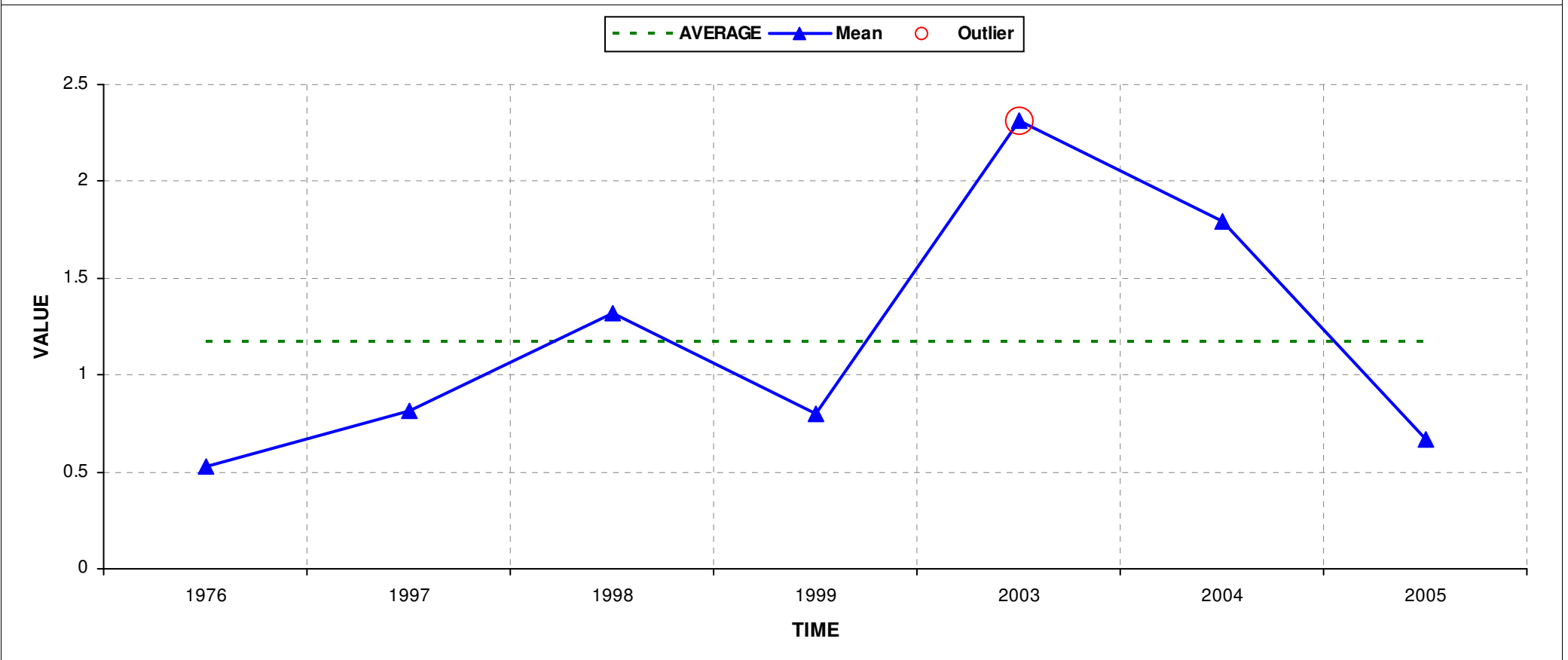
Outlier values ([Year, Unit]: Mean):

[1997, mg/l N]: 1.982



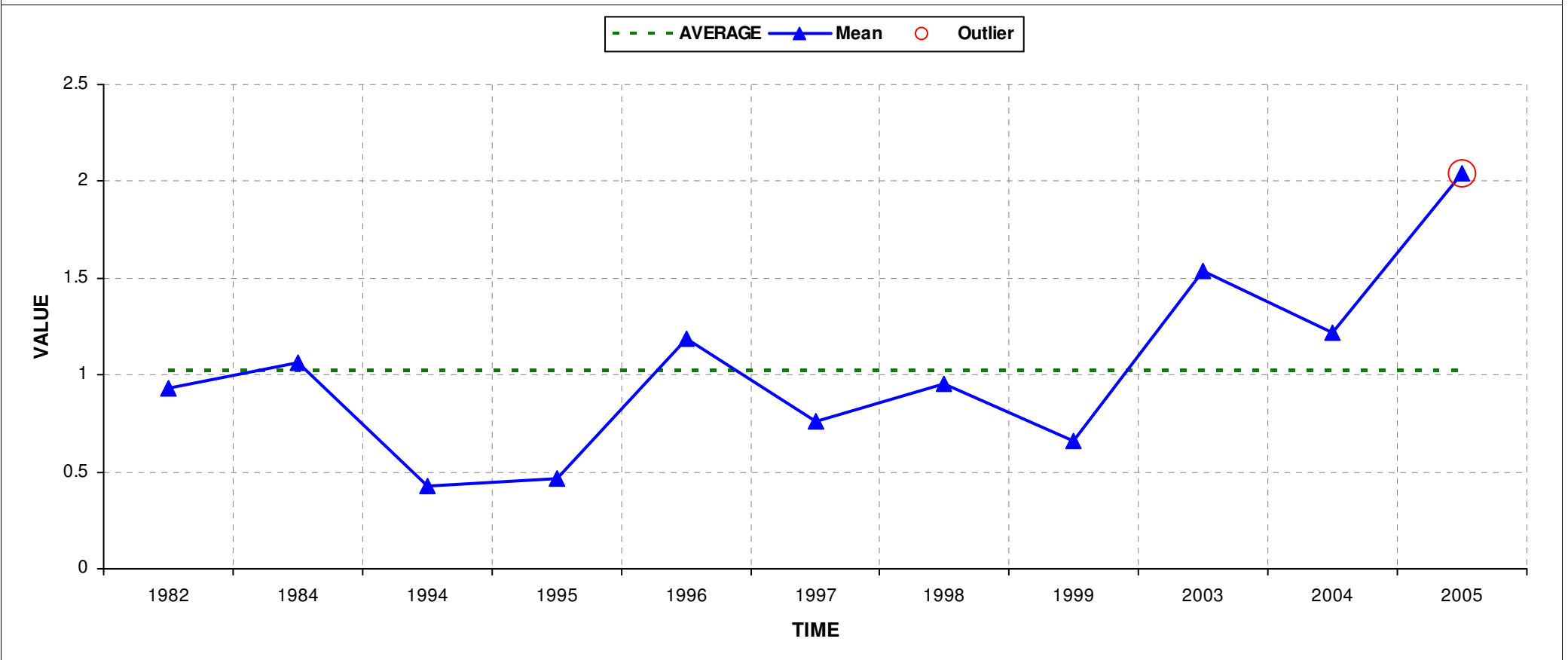
Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_24774
AggregationPeriod:
Winter

Outlier values ([Year, Unit]: Mean):
[2003, mg/l N]: 2.317



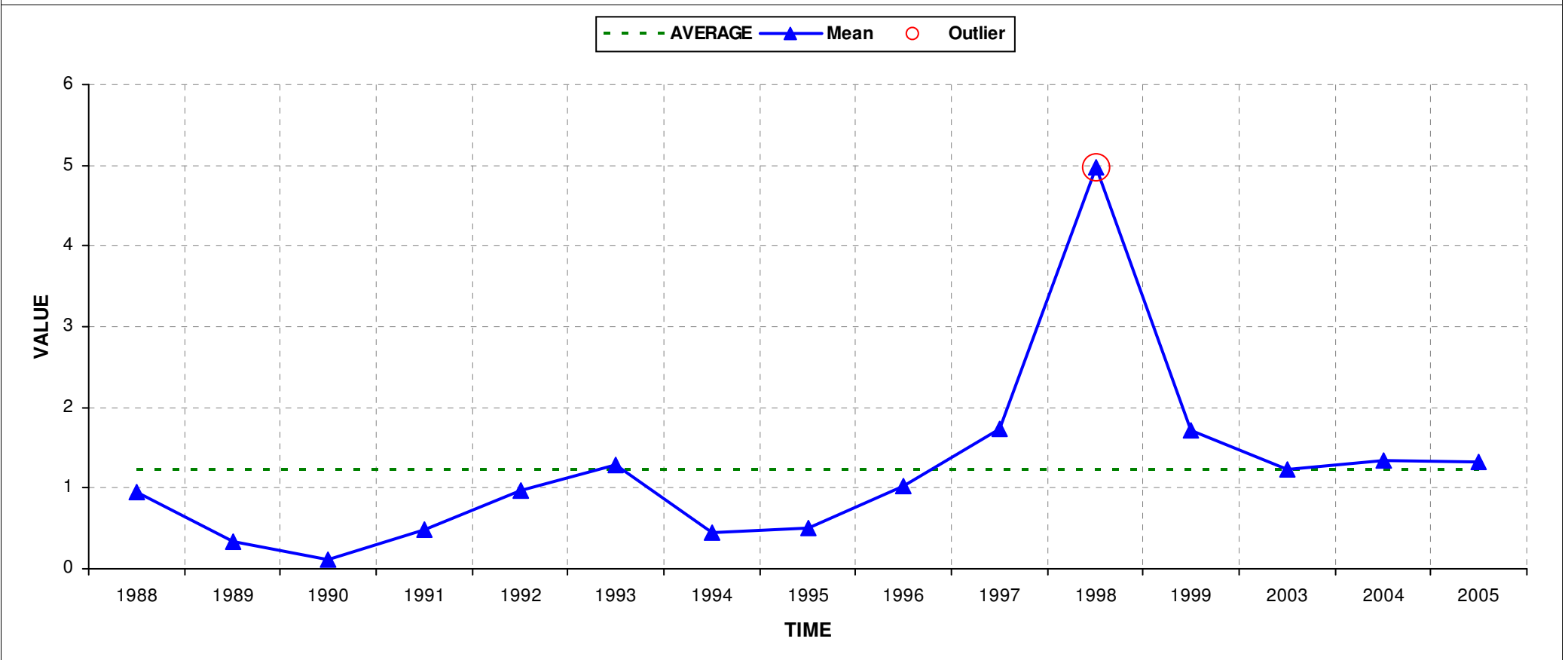
Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_28345
AggregationPeriod:
Winter

Outlier values ([Year, Unit]: Mean):
[2005, mg/l N]: 2.04



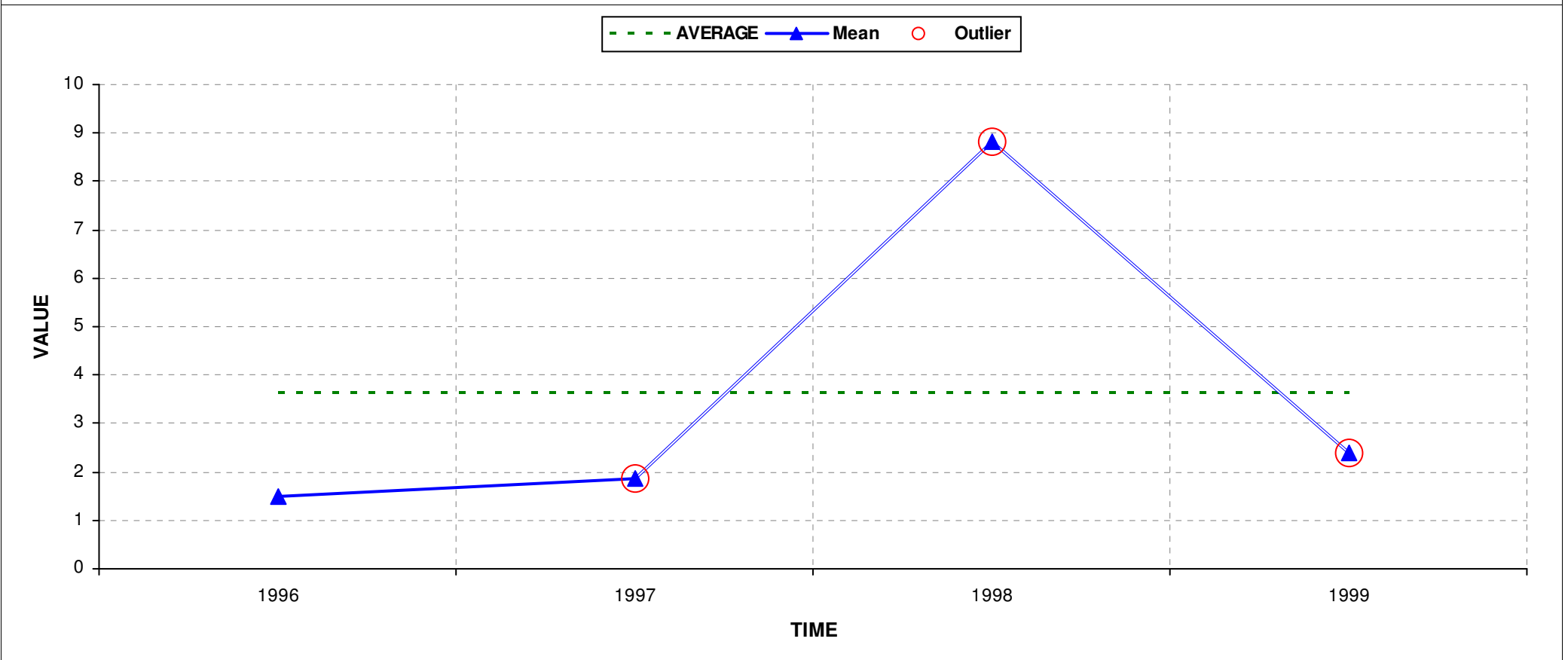
Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_29955
AggregationPeriod:
Annual

Outlier values ([Year, Unit]: Mean):
[1998, mg/l N]: 4.976



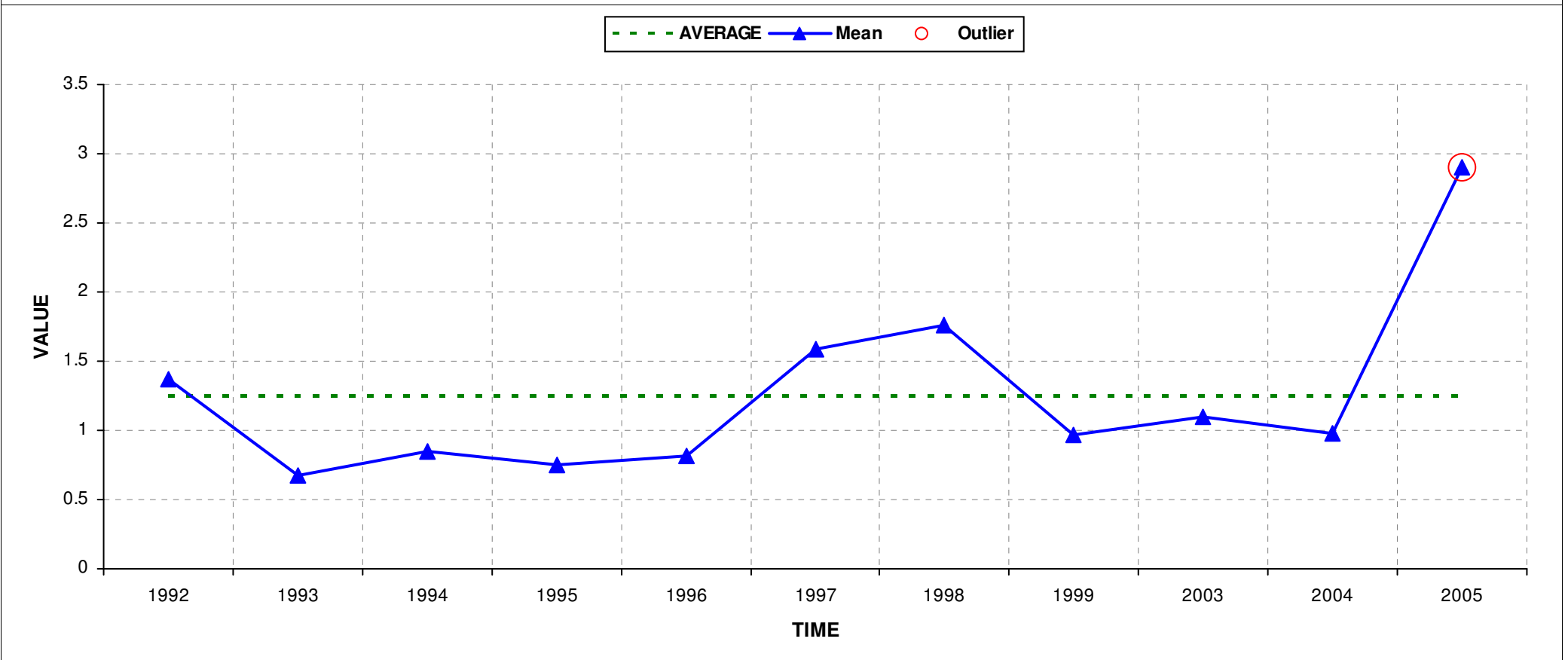
Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_29955
AggregationPeriod:
Winter

Outlier values ([Year, Unit]: Mean):
[1997, mg/l N]: 1.86; [1998, mg/l N]: 8.828; [1999, mg/l N]: 2.393



Determinand:
Total Inorganic Nitrogen
WaterbaseID:
FI_LK_6417
AggregationPeriod:
Winter

Outlier values ([Year, Unit]: Mean):
[2005, mg/l N]: 2.906



Determinand:

Total Inorganic Nitrogen

WaterbaseID:

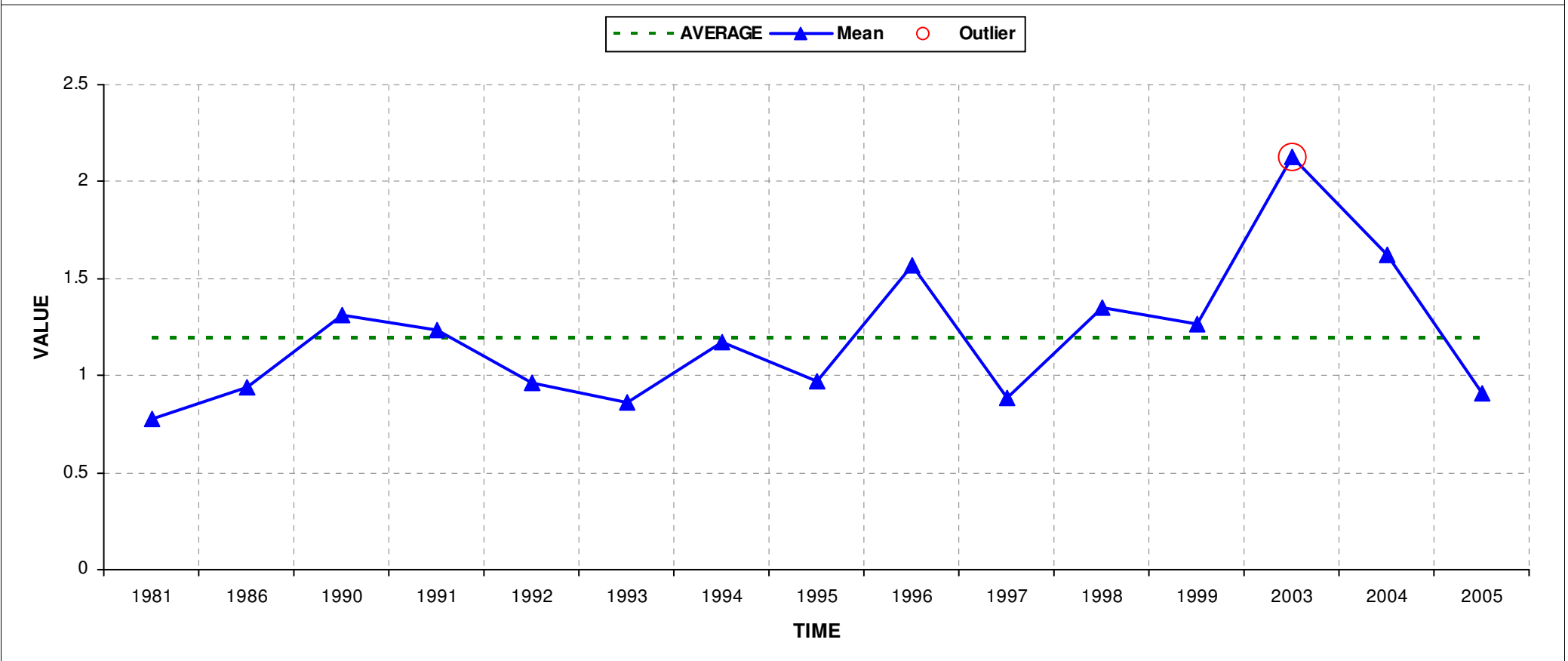
FI_LK_7697

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 2.126



Determinand:

Total Inorganic Nitrogen

WaterbaseID:

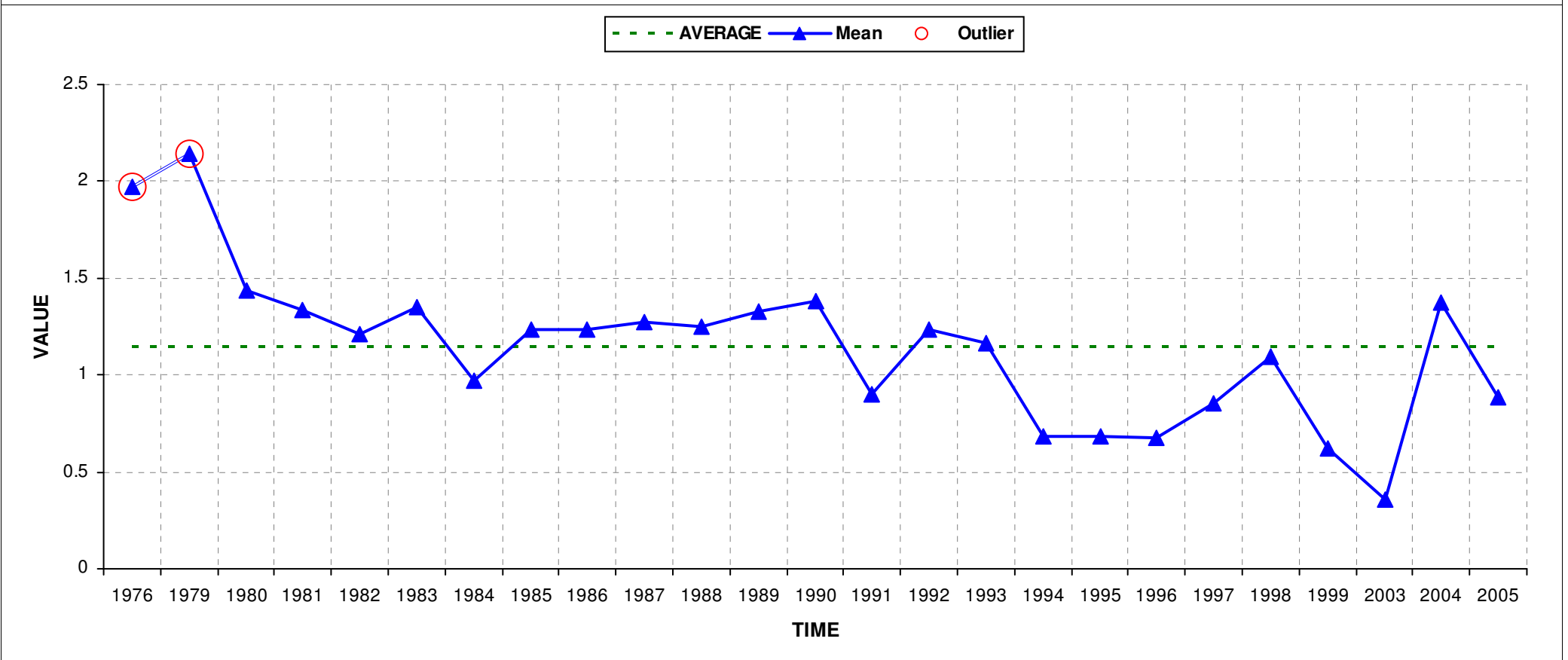
FI_LK_842

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1976, mg/l N]: 1.971; [1979, mg/l N]: 2.144



Determinand:

Total Nitrogen

WaterbaseID:

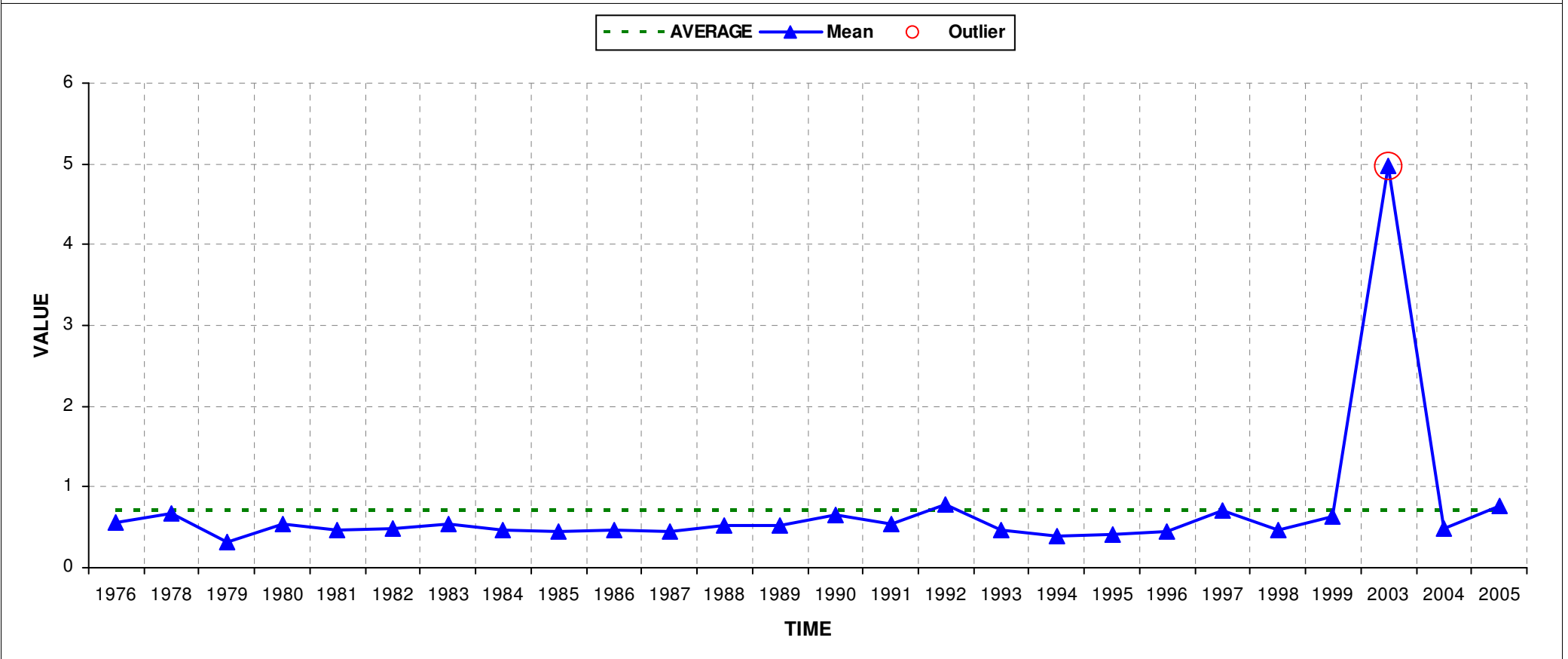
FI_LK_14457

AggregationPeriod:

Summer

Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 4.978



Determinand:

Total Nitrogen

WaterbaseID:

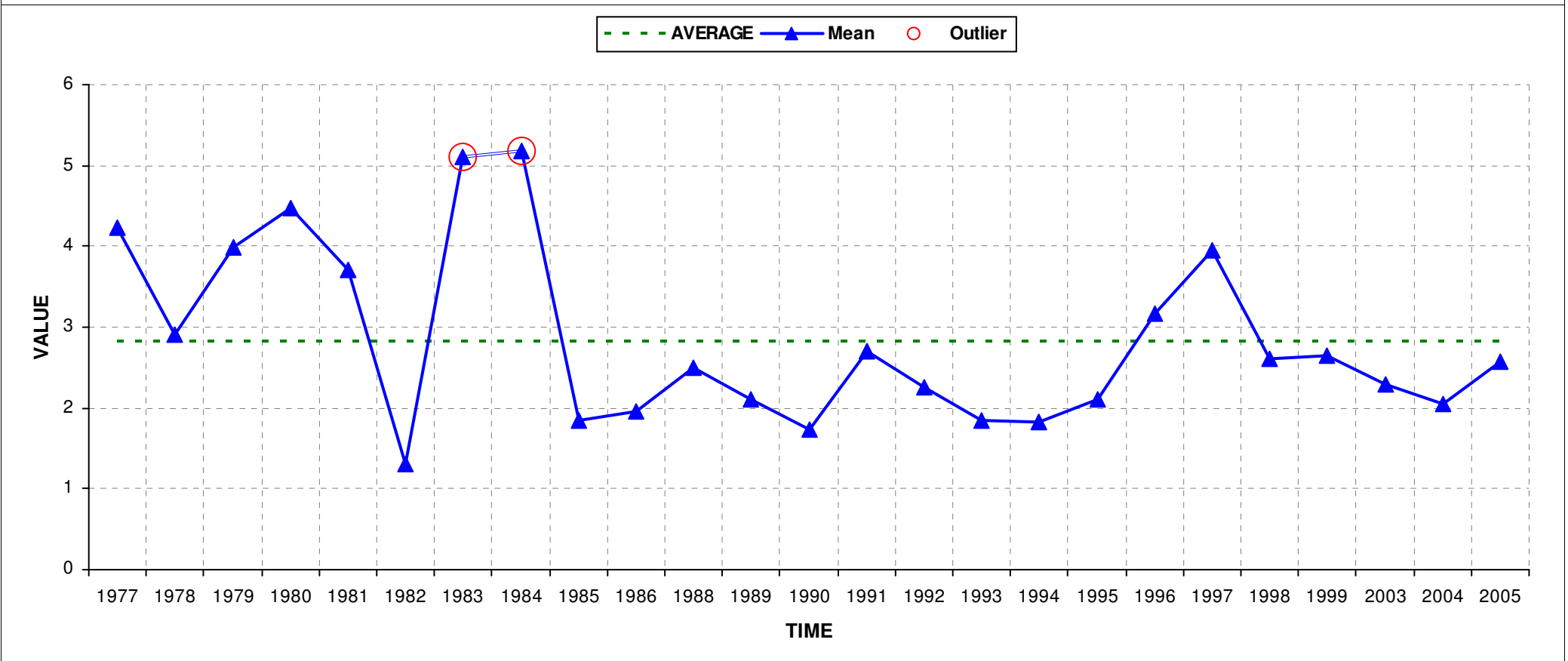
FI_LK_14694

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[1983, mg/l N]: 5.1; [1984, mg/l N]: 5.175



Determinand:

Total Nitrogen

WaterbaseID:

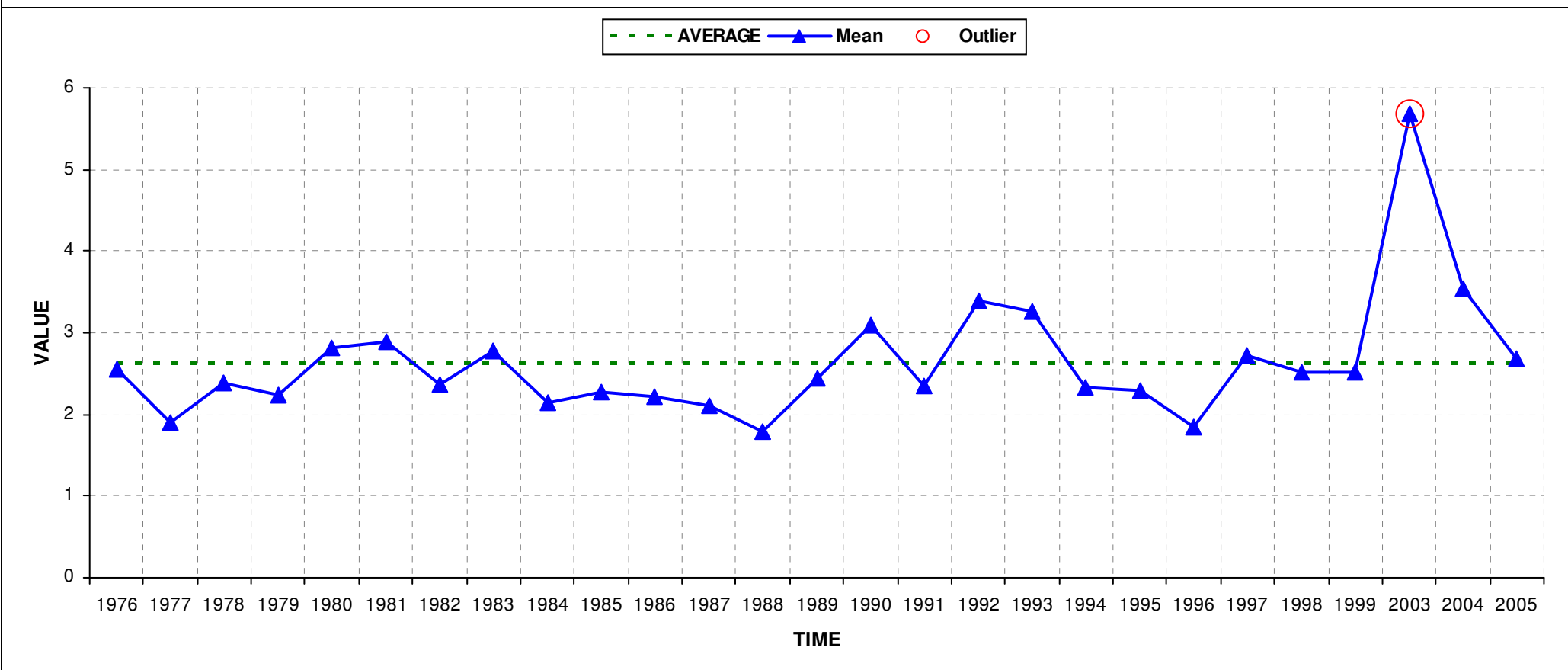
FI_LK_1724

AggregationPeriod:

Winter

Outlier values ([Year, Unit]: Mean):

[2003, mg/l N]: 5.674



Determinand:

Total Nitrogen

WaterbaseID:

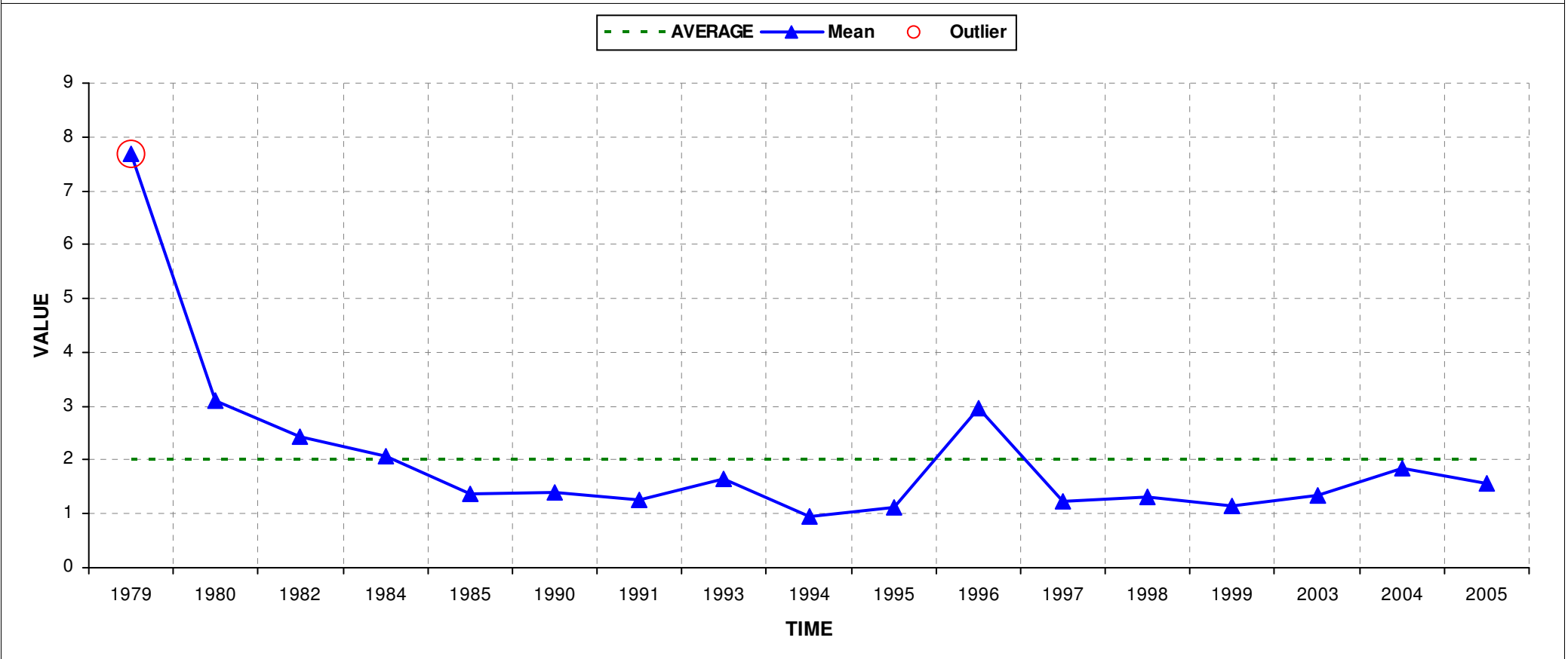
FI_LK_28345

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1979, mg/l N]: 7.7



Determinand:

Total Nitrogen

WaterbaseID:

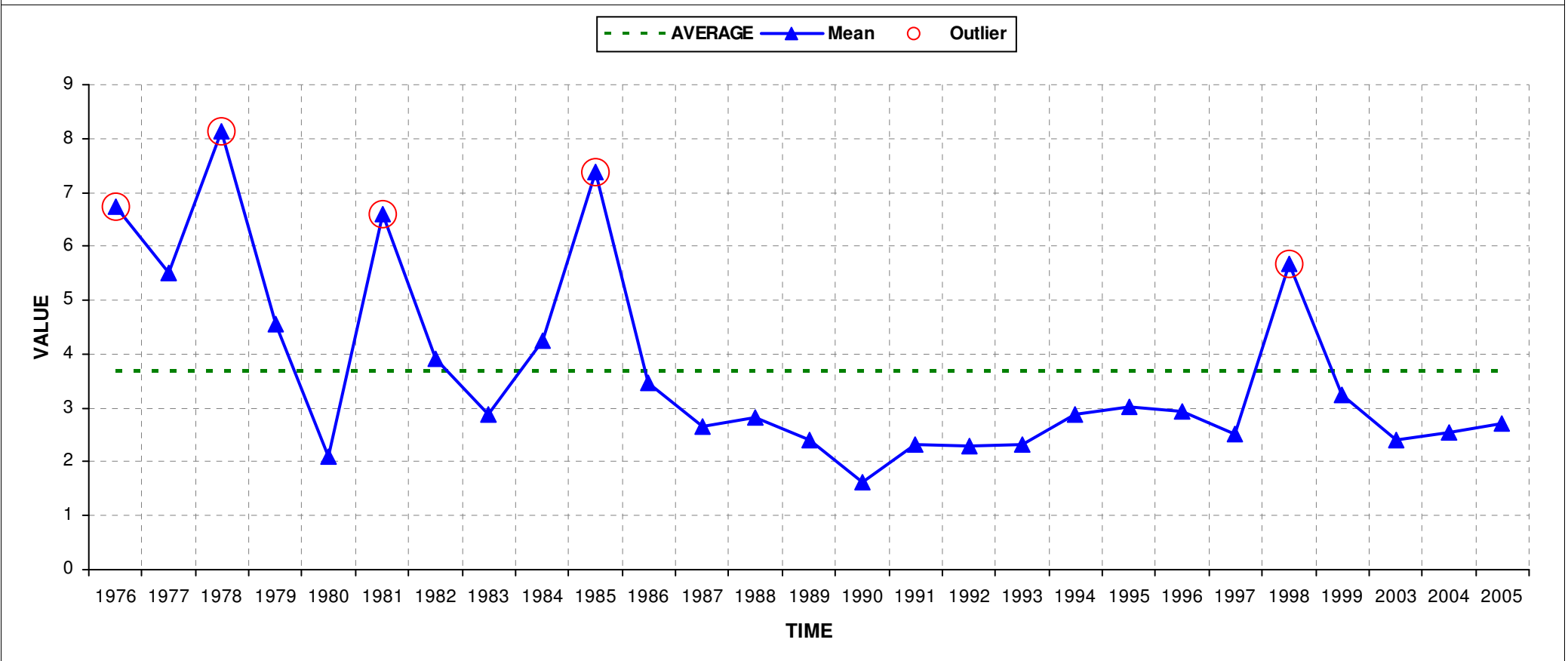
FI_LK_29955

AggregationPeriod:

Annual

Outlier values ([Year, Unit]: Mean):

[1976, mg/l N]: 6.735; [1978, mg/l N]: 8.122; [1981, mg/l N]: 6.602; [1985, mg/l N]: 7.366; [1998, mg/l N]: 5.67



Determinand:

Total Nitrogen

WaterbaseID:

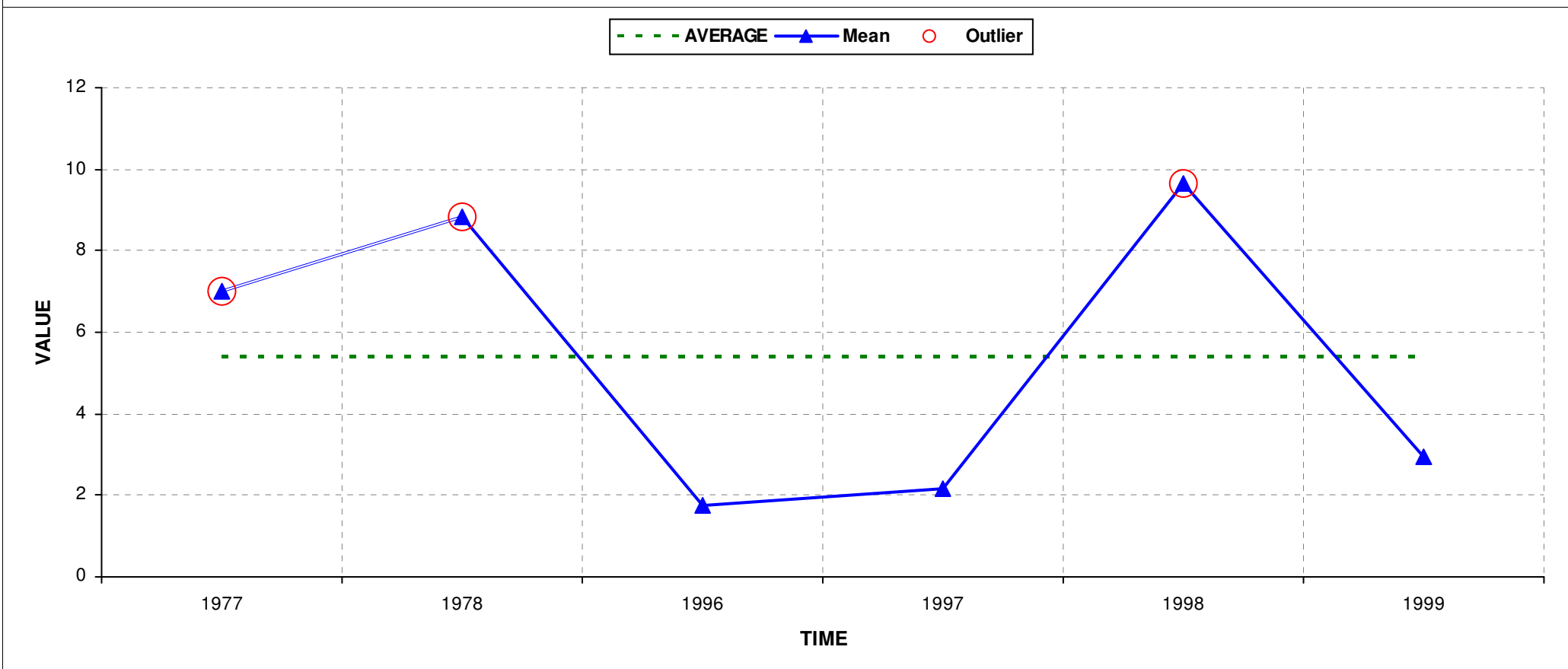
FI_LK_29955

AggregationPeriod:

Winter

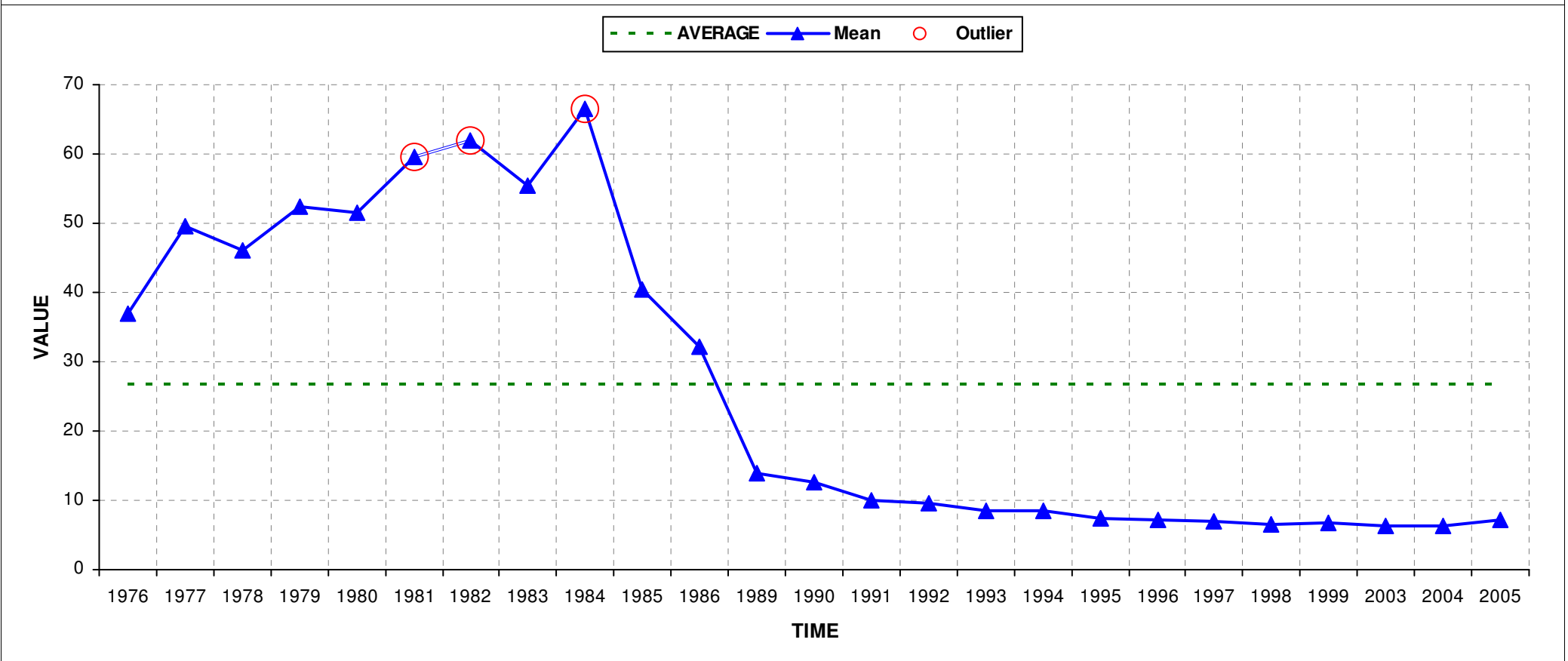
Outlier values ([Year, Unit]: Mean):

[1977, mg/l N]: 7.023; [1978, mg/l N]: 8.833; [1998, mg/l N]: 9.64



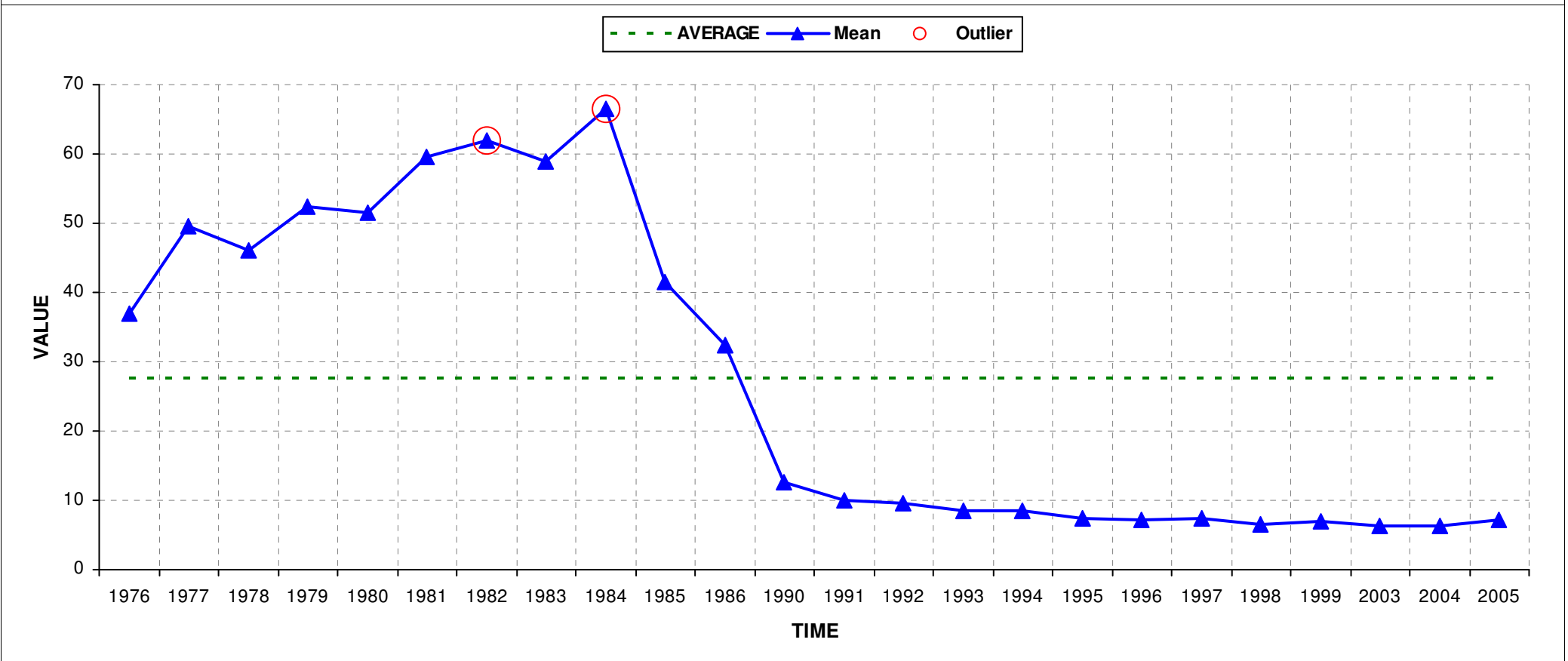
Determinand:
Total Organic Carbon
WaterbaseID:
FI_LK_25398
AggregationPeriod:
Annual

Outlier values ([Year, Unit]: Mean):
[1981, mg/l C]: 59.5; [1982, mg/l C]: 62; [1984, mg/l C]: 66.5



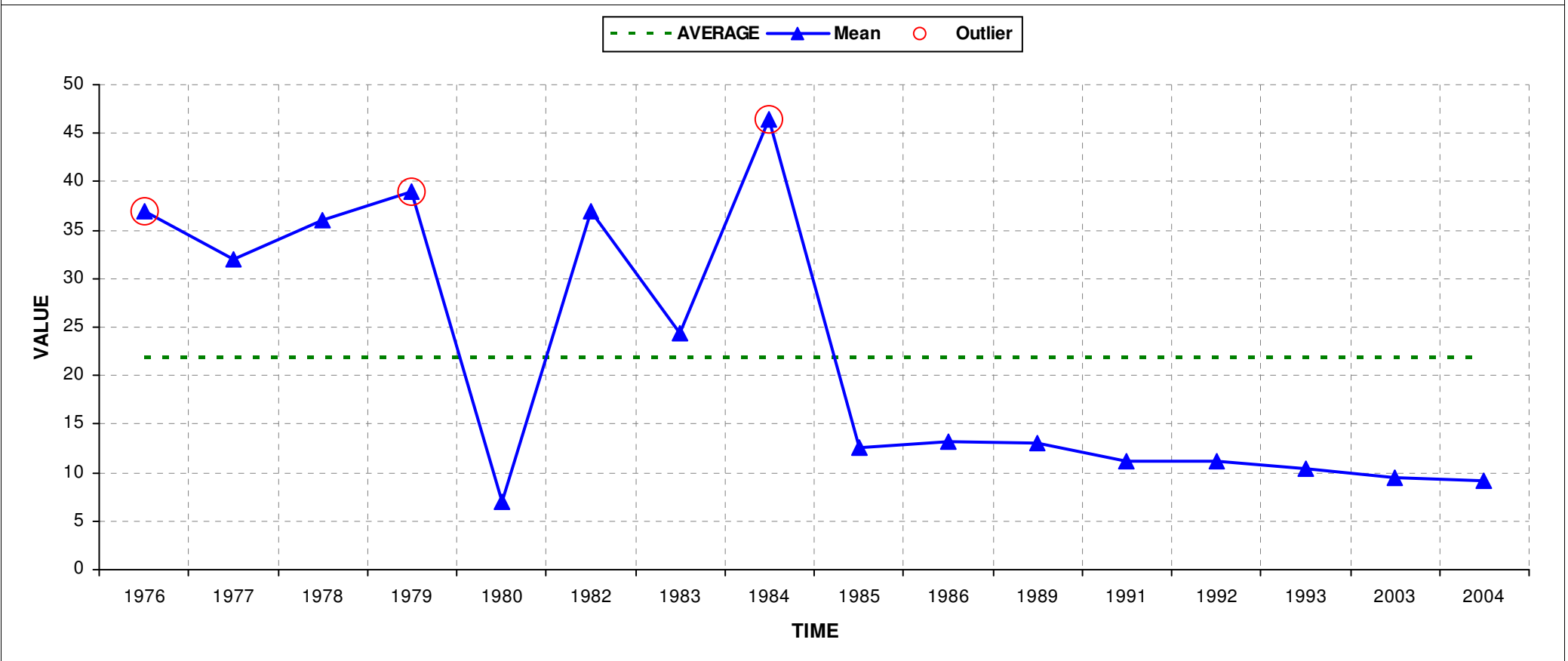
Determinand:
Total Organic Carbon
WaterbaseID:
FI_LK_25398
AggregationPeriod:
Winter

Outlier values ([Year, Unit]: Mean):
[1982, mg/l C]: 62; [1984, mg/l C]: 66.5



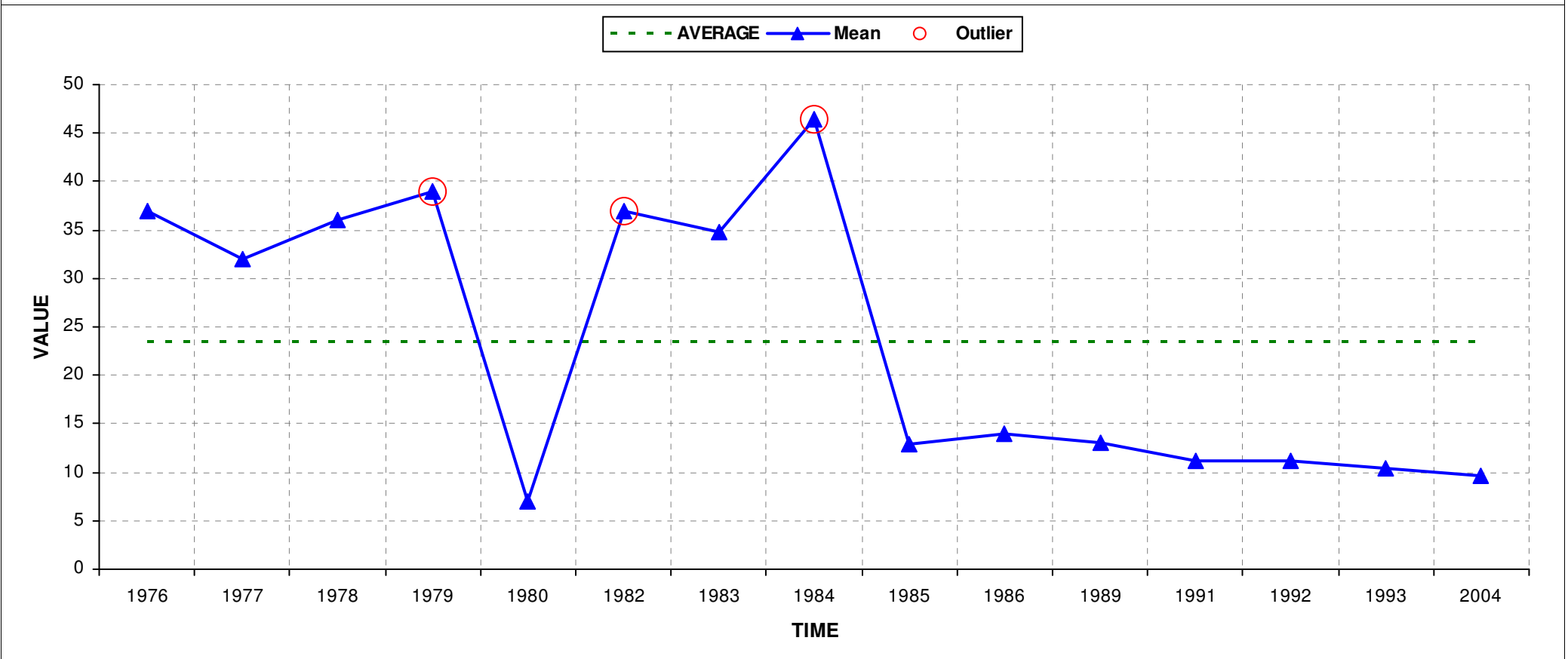
Determinand:
Total Organic Carbon
WaterbaseID:
FI_LK_8029
AggregationPeriod:
Annual

Outlier values ([Year, Unit]: Mean):
[1976, mg/l C]: 37; [1979, mg/l C]: 39; [1984, mg/l C]: 46.5



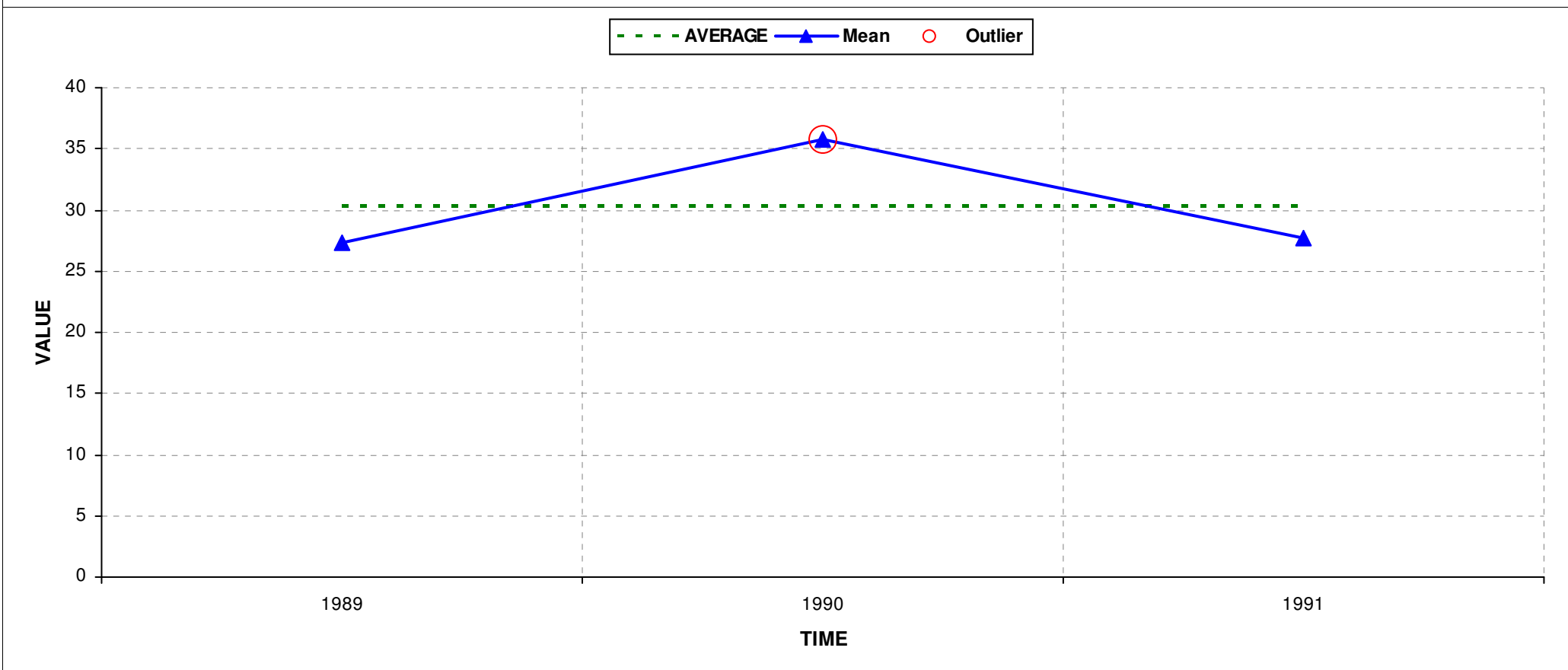
Determinand:
Total Organic Carbon
WaterbaseID:
FI_LK_8029
AggregationPeriod:
Winter

Outlier values ([Year, Unit]: Mean):
[1979, mg/l C]: 39; [1982, mg/l C]: 37; [1984, mg/l C]: 46.5



Determinand:
Total Organic Carbon
WaterbaseID:
FI_LK_8277
AggregationPeriod:
Winter

Outlier values ([Year, Unit]: Mean):
[1990, mg/l C]: 35.775



Determinand:
Total Phosphorus

WaterbaseID:
FI_LK_29955

AggregationPeriod:
Annual

Outlier values ([Year, Unit]: Mean):
[1981, mg/l P]: 1.657

