Appendix C. Plots of selected constituents from selected sites, 1949–2009

ANP 6 (435152112443101)

Concentration, in milligrams per liter

- Chloride
- Sodium
- Sulfate

Concentration, in milligrams per liter

- Nitrate plus Nitrite as N
- Orthophosphate as P
Concentration, in milligrams per liter

ARBOR TEST (433509112384801)

Chloride

AREA 2 (433223112470201)

- Chloride
- Sodium
- Sulfate

Nitrate plus Nitrite as N

Concentration, in milligrams per liter
BADGING FACILITY WELL (433042112535101)

- **Chloride**
- **Sodium**
- **Sulfate**

Concentration, in milligrams per liter

**Nitrate plus Nitrite as N**

Concentration, in milligrams per liter
HIGHWAY 3 (433256113002501)

- Chloride
- Sodium
- Nitrate plus Nitrite as N

Concentration, in milligrams per liter
Site 9 (433123112530101)

Concentration, in milligrams per liter

- Chloride
- Sodium
- Sulfate
- Nitrate plus Nitrite as N

Concentration, in milligrams per liter
SITE 14 (434334112463101)

**Concentration, in milligrams per liter**

- Chloride
- Sodium

**Nitrate plus Nitrite as N**
SITE 19 (433522112582101)

Concentration, in milligrams per liter

- Chloride
- Sodium
- Sulfate
Appendix C

TRA 4 (433521112574201)

Concentration, in milligrams per liter

- Chloride
- Sodium
- Sulfate
USGS 1 (432700112470801)

Chloride
Sodium

Nitrate plus Nitrite as N
Total Organic Carbon

USGS 4 (434657112282201)

Chloride
Sodium

Nitrate plus Nitrite as N
Total Organic Carbon
Appendix C  C31

USGS 7 (434915112443901)

Concentration, in milligrams per liter

- Chloride
- Sodium

Concentration, in milligrams per liter

- Nitrate plus Nitrite as N
- Fluoride

Concentration, in micrograms per liter

- Arsenic
- Manganese
- Uranium

Concentration, in micrograms per liter

- Barium

USGS 8 (433121113115801)

- Chloride
- Sodium

Concentration, in milligrams per liter

Nitrate plus Nitrite as N

Concentration, in milligrams per liter
USGS 11 (432336113064201)

- Chloride
- Sodium

**Nitrate plus Nitrite as N**

Concentration, in milligrams per liter
Concentration, in milligrams per liter

USGS 12 (434126112550701)

- Chloride
- Sodium
- Sulfate

Nitrate plus Nitrite as N
- Bromide

USGS 15 (434234112551701)

Concentration, in milligrams per liter

- Chloride
- Sodium
- Sulfate

Nitrate plus Nitrite as N
Bromide

Concentration, in milligrams per liter
USGS 22 (433422113031701)

Concentration, in milligrams per liter

- Chloride
- Sodium
Concentration, in milligrams per liter

USGS 29 (434407112285101)

- Chloride
- Sodium
- Sulfate

Nitrate plus Nitrite as N
Concentration, in milligrams per liter

Chloride
Sodium
Sulfate

Nitrate plus Nitrite as N
USGS 83 (433023112561501)

Chloride

Sodium

Nitrate plus Nitrite as N

Concentration, in milligrams per liter

Appendix C

USGS 86 (432935113080001)

Concentration, in milligrams per liter

- Chloride
- Sodium

- Nitrate plus Nitrite as N

Concentration, in milligrams per liter
Concentration, in milligrams per liter

USGS 100 (433503112400701)

- Chloride
- Sodium
- Sulfate
USGS 103 (432714112560701)

Chloride
Sodium

Nitrate plus Nitrite as N

Concentration, in milligrams per liter


Concentration, in milligrams per liter

0.5 0.6 0.7 0.8 0.9 1.0

USGS 110A (432717112501502)

* Chloride
* Sodium

Concentration, in milligrams per liter

Nitrate plus Nitrite as N

Concentration, in milligrams per liter
Chloride: 0.65
Sodium: 0.70
Sulfate: 0.75
Nitrate plus Nitrite as N: 0.65
Appendix C  C63

10 15 20
Concentration, in milligrams per liter

USGS 121 (433450112560301)

Chloride
Sodium
Sulfate

Nitrate plus Nitrite as N
WS INEL 1 (433716112563601)

- Chloride
- Sodium
- Sulfate
- Nitrate plus Nitrite as N
- Bromide
- Total Organic Carbon

Concentration, in milligrams per liter
BIG LOST RIVER AT EXPERIMENTAL DAIRY FARM, NEAR HOWE (13132545)

Concentration, in milligrams per liter

Chloride
BIG LOST RIVER BELOW INL DIVERSION, NEAR ARCO (13132520)

Chloride

Concentration, in milligrams per liter

BIG LOST RIVER AT MACKAY (13127700)

Concentration, in milligrams per liter

Chloride

Concentration, in milligrams per liter

BIG LOST RIVER NEAR ARCO (13132500)

Chloride
Sodium
Sulfate

Calcium
Magnesium
Silica

Nitrate plus Nitrite as N
Fluoride
Potassium
LITTLE LOST RIVER NEAR HOWE (13119000)

Concentration, in milligrams per liter

Chloride
Sodium
Sulfate

Calcium
Magnesium
Silica

Nitrate plus Nitrite as N
Potassium

Concentration, in milligrams per liter
MUD LAKE NEAR TERRETON (13115000)

Concentration, in milligrams per liter

Chloride
Sodium
Sulfate

Calcium
Magnesium
Silica

Nitrate plus Nitrite as N
Fluoride
Potassium

Concentration, in milligrams per liter

0 1 2 3 4

Concentration, in milligrams per liter