

# Lab Information

Also available on: [www.ndsu.edu/waterquality](http://www.ndsu.edu/waterquality)

Lab Name	Phone Number	Address	Bacteria and Nitrate	Chemistries
Astro Chem Lab Inc. <a href="http://astrochemlab.com">http://astrochemlab.com</a>	701-572-7355	4102 2nd Ave. W. P.O. Box 972 Williston, ND 58802	Bacteria only	Conductivity, residual sodium carbonate, sodium adsorption ratio (SAR), hardness, total dissolved solids (TDS), sodium chloride, calcium, magnesium, sodium, iron, potassium, chloride, carbonate, bicarbonate, sulfate, nitrate, pH  <b>Others:</b> Alkalinity, filterable residue, copper, manganese, nickel, silver, zinc, barium, arsenic, cadmium, chromium, lead and selenium
Fargo Cass Public Health Environmental Laboratory	701-298-6986 701-298-6997	435 14th Ave. S. Fargo, ND 58103	Bacteria and Nitrate	<b>Complete Potable Water:</b> Coliform bacteria, nitrates, calcium, sodium, potassium, iron, manganese, magnesium, total hardness  <b>Partial Water Chemistry:</b> Calcium, sodium, magnesium, potassium, manganese, iron, total hardness  <b>Complete Water Chemistry:</b> pH, conductivity, total dissolved solids, turbidity, iron, calcium, sodium, magnesium, potassium, manganese, total hardness, chloride, fluoride, nitrate, sulfate, P&M alkalinity  <b>Irrigation Series:</b> Calcium, magnesium, sodium, sodium absorption ratio (SAR), conductivity  <b>Trace Minerals:</b> Lead, arsenic, copper, etc.  <b>Others:</b> Alkalinity, dissolved organic carbon, total organic carbon, UV 254, barium, beryllium, cadmium, chromium, nickel, zinc, antimony, selenium, thallium, mercury, bromide, orthophosphate, sulfate
First District Health Unit Laboratory <a href="http://www.fdu.org">www.fdu.org</a>	701-852-1376	801 11th Ave. S.W. P.O. Box 1268 Minot, ND 58702	Bacteria and Nitrate	<b>Chemical Analysis:</b> Conductivity, total dissolved solids, total hardness, iron, manganese, sodium, nitrate.  <b>Quantitative Tests:</b> Calcium/magnesium, chloride, chlorine, sulfate, fluoride, potassium, iron, magnesium, nitrates, turbidity, total suspended solids  <b>Irrigation Water Quality:</b> Specific conductance @ 25 F, total dissolved solids, hardness, iron, sodium, nitrates, pH
City of Grand Forks Environmental Laboratory	701-746-2595	503 4th St. S. Grand Forks, ND 58201	Bacteria only	Biology and wet chemistries are available to the public. For more information, call the number listed.
Minnesota Valley Testing Laboratories Inc. (MVTL) <a href="http://www.mvtl.com">www.mvtl.com</a>	701-258-9720	2616 East Broadway Ave. Bismarck, ND 58501	Bacteria and Nitrate	<b>Routine Water Analysis:</b> Conductivity, sodium, hardness, pH, iron (total), calcium, manganese (total), magnesium, nitrates, sodium absorption ratio (SAR), total dissolved solids (TDS)  <b>Comprehensive Water Analysis:</b> Routine water analysis plus potassium, alkalinity, chloride, fluoride, sulfate  <b>Stock Pond Series:</b> Conductivity, sulfate, total dissolved solids (TDS), nitrate  <b>Irrigation Series:</b> Conductivity, sodium, total dissolved solids (TDS), sodium absorption ratio (SAR), calcium, magnesium  <b>Others:</b> Filterable residue, total organic carbon, aluminum, barium, beryllium, boron, cadmium, chromium, molybdenum, nickel, silver, vanadium, zinc, antimony, arsenic, lead, selenium, thallium, uranium, mercury, cyanide

continued

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North Dakota Department of Environmental Quality <a href="http://www.deq.nd.gov/chemistry">www.deq.nd.gov/chemistry</a> Call for current pricing Call 701-328-6140 for a water sampling mailing kit	701-328-6140	Chemistry Division 2635 Main Ave. E. Bismarck ND 58501  or P.O. Box 5520 Bismarck, ND 58506	Nitrate only	<b>Partial Mineral Chemistry:</b> Bicarbonate, calcium, carbonate, conductivity, iron, magnesium, manganese, percent sodium, pH, potassium, sodium, sodium absorption ratio (SAR)  <b>Complete Mineral Chemistry:</b> Partial mineral chemistry plus chloride, fluoride, sulfate  Lead and copper  Fluoride  <b>Others:</b> Chloroacetic acid, bromoacetic acid, dichloroacetic acid, dibromoacetic acid, trichloroacetic acid, chloroform, bromoform, dibromochloromethane, dichlorobromomethane, nitrite, nitrate + nitrite, cyanide, fluoride, uranium, antimony, arsenic, barium, beryllium, cadmium, chromium, mercury, selenium, thallium, 2,4,5-TP (silvex), 2,4-D, alachlor, atazine, carbonfuran, chlordane, dibromochloropropane, ethylene dibromide, heptachlor, heptachlor epoxide, lindane, nethoxychlor, pentachlorophenol, polychlorinated biphenyls, toxaphene, banzo(a)pyrene, dalapon, di(2-ethylhexyl) adipate, di(2-ethylhexyl)phthalate, dinoseb, diquat, endosulfan, endrin, glyphosate, hexachlorobenzene, hexachlorocyclopentadiene, oxamyl, picloram, simazine, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1-Dichloroethylene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dichloroethane, 1,2-Dichloropropane, 1,4-Dichlorobenzene, benzene, carbon tetrachloride, chlorobenzene, cis-1,2-dichloroethylene, dichloromethane, ethylbenzene, styrene, tetrachloroethylene, toluene, trans-1,2-dichloroethylene, trichloroethylene, vinyl chloride, xylenes (total)
Southwestern District Health Unit <a href="http://swdhu.net/swdhu">http://swdhu.net/swdhu</a>	701-483-0171	2869 3rd Ave. W. Dickinson, ND 58601	Bacteria and Nitrate	No mineral or other chemistries

## Related Publications at:

[www.ag.ndsu.edu/publications/environment-natural-resources/household-water-supply](http://www.ag.ndsu.edu/publications/environment-natural-resources/household-water-supply)

- WQ1029 Filtration: Sediment, Activated Carbon and Mixed Media
- WQ1030 It's All in Your Water: Iron and Manganese Removal
- WQ1031 Water Softening (Ion Exchange)
- WQ1352 What's Wrong With My Water? Choosing the Right Test
- WQ1614 Baseline Water Quality in Areas of Oil Development

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**This publication was authored by Roxanne Johnson, former water quality associate**

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