

**567—53.7(455B) List of protected water sources.** The following list identifies water sources designated as protected sources under this chapter. Each listing includes the name of the surface water or groundwater source designated, the geographical areas affected, the specific purposes for designating the source, and special limitations imposed or recommended to achieve the purpose of the protected source designation. The listing may also include any special monitoring requirements and may specify a date by which the department must review the designation of the protected source.

**53.7(1) Ralston Site, Linn County.** The area within a one-mile radius of a point which is 600 feet south of the midpoint of the northern edge of Section 2, Township 83 North, Range 7 West in Linn County is a protected water source. Any new application for a permit to withdraw groundwater or to increase an existing permitted withdrawal of groundwater from within the protected water source area will be restricted or denied, if necessary to preserve public health and welfare or to minimize movement of groundwater contaminants from the Ralston Site. The Ralston Site is identified in the Registry of Hazardous Waste or Hazardous Substance Disposal Sites pursuant to Iowa Code section 455B.426.

Withdrawal of groundwater from within the protected water source area may also be restricted or denied from what would otherwise be nonregulated wells, if necessary to preserve public health and welfare or to minimize movement of groundwater contaminants from the Ralston Site. The Linn County health department will refer any application for a construction permit for a private well within the protected water source area to the department's water supply section that will determine whether the proposed well will be allowed.

**53.7(2) Cambrian-Ordovician (Jordan) aquifer in Johnson and Linn Counties.**

*a. Geographical area.* The protected water source area includes portions of Johnson and Linn Counties. The actual geographical boundaries of the area are defined in subparagraph 53.7(2) "a"(3).

(1) New or modified water use permits. Any new application for a permit to withdraw groundwater or to increase an existing permitted withdrawal of groundwater from the Cambrian-Ordovician (Jordan) aquifer within the protected water source area will be restricted or denied if necessary to preserve public health and welfare.

(2) Withdrawal of groundwater. Withdrawal of groundwater from within the protected water source area may also be restricted or denied from water supply wells constructed in the Cambrian-Ordovician (Jordan) aquifer, public or private, and the construction of all new water supply wells in the Cambrian-Ordovician (Jordan) aquifer shall be restricted or denied, if necessary, to preserve public health and welfare or to minimize adverse effects to the "available" head (i.e., the original pressure head above the top of the aquifer). The Johnson County and Linn County health departments are not authorized to issue a construction permit for a private well drilled into or through the Cambrian-Ordovician (Jordan) aquifer within the protected water source area without the approval of the department. The department's water supply engineering section will determine whether the proposed well can be constructed and may require that the well meet public water well standards.

(3) Map of protected water source area. The department shall maintain a map of the protected water source area.

1. The entire following described area within Johnson County and within Linn County is defined as a protected water source.

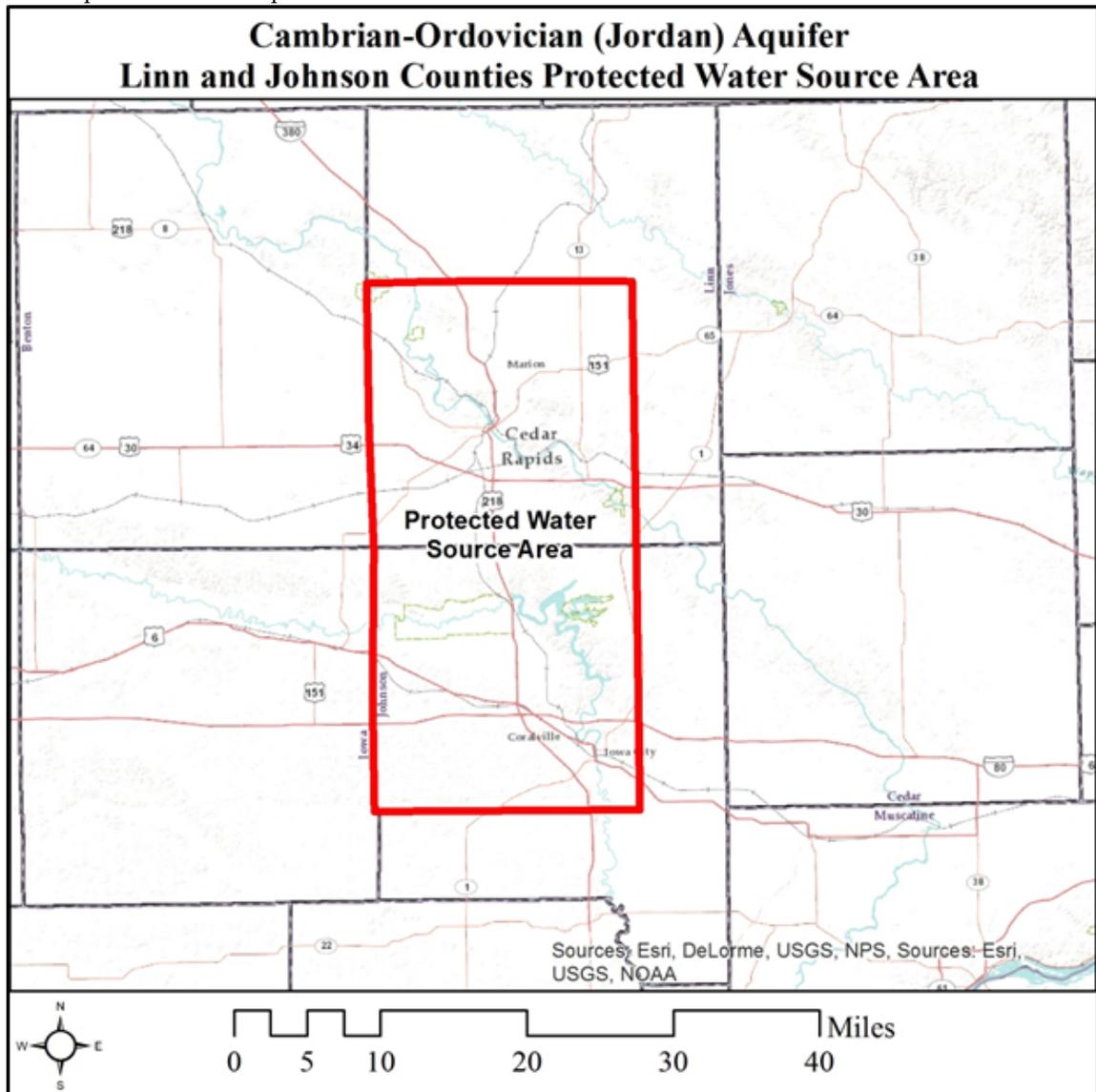
**Johnson County**

- All areas of Township 79 North, Range 6 West.
- All areas of Township 79 North, Range 7 West.
- All areas of Township 79 North, Range 8 West.
- All areas of Township 80 North, Range 6 West.
- All areas of Township 80 North, Range 7 West.
- All areas of Township 80 North, Range 8 West.
- All areas of Township 81 North, Range 6 West.
- All areas of Township 81 North, Range 7 West.
- All areas of Township 81 North, Range 8 West.

**Linn County**

- All areas of Township 82 North, Range 6 West.

- All areas of Township 82 North, Range 7 West.
  - All areas of Township 82 North, Range 8 West.
  - All areas of Township 83 North, Range 6 West.
  - All areas of Township 83 North, Range 7 West.
  - All areas of Township 83 North, Range 8 West.
  - All areas of Township 84 North, Range 6 West.
  - All areas of Township 84 North, Range 7 West.
  - All areas of Township 84 North, Range 8 West.
2. Map of the described protected water source area in Linn and Johnson Counties.



b. Reserved.

**53.7(3)** *Cambrian-Ordovician (Jordan) aquifer in Webster County.*

a. *Geographical area.* The protected water source area includes portions of Webster County. The actual geographical boundaries of the area are defined in subparagraph 53.7(3)“a”(3).

(1) New or modified water use permits. Any new application for a permit to withdraw groundwater or to increase an existing permitted withdrawal of groundwater from the Cambrian-Ordovician (Jordan)

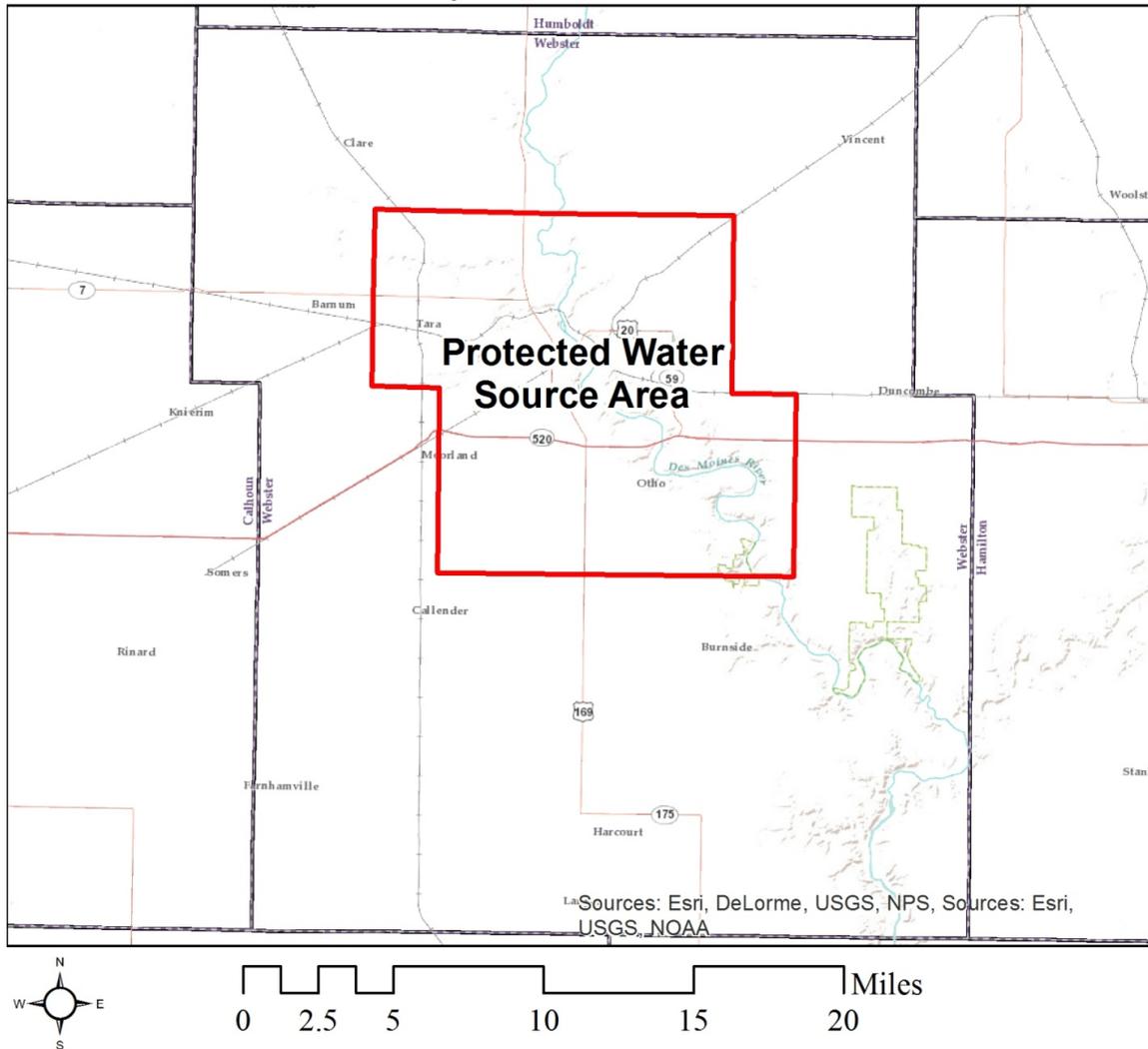
aquifer within the protected water source area will be restricted or denied if necessary to preserve public health and welfare.

(2) Withdrawal of groundwater. Withdrawal of groundwater from within the protected water source area may also be restricted or denied from water supply wells constructed in the Cambrian-Ordovician (Jordan) aquifer, public or private, and the construction of all new water supply wells in the Cambrian-Ordovician (Jordan) aquifer shall be restricted or denied, if necessary, to preserve public health and welfare or to minimize adverse effects to the “available” head (i.e., the original pressure head above the top of the aquifer). The Webster County health department is not authorized to issue a construction permit for a private well drilled into or through the Cambrian-Ordovician (Jordan) aquifer within the protected water source area without the approval of the department. The department’s water supply engineering section will determine whether the proposed well can be constructed and may require that the well meet public water well standards.

(3) Map of protected water source. The department shall maintain a map of the protected water source area.

1. The entire following described area within Webster County is defined as a protected water source.
  - All areas of Township 88 North, Range 28 West.
  - All areas of Township 88 North, Range 29 West.
  - All areas of Township 89 North, Range 28 West.
  - All areas of Township 89 North, Range 29 West.
2. Map of the described protected water source area in Webster County.

### Cambrian-Ordovician (Jordan) Aquifer Webster County Protected Water Source Area



*b.* Reserved.

NOTE: When protected sources are designated they will be listed as part of this rule.

This rule is intended to implement Iowa Code sections 455B.262, 455B.264 through 455B.274 and 455B.278.

[ARC 2053C, IAB 7/8/15, effective 8/12/15; ARC 4426C, IAB 5/8/19, effective 6/12/19]