

Water Development Project Evaluation Guide

To better evaluate your water development project please include detailed descriptions, drawings and maps that answer the questions in the critical phases of the development listed below.

Design References

What are the sources of the project design and specifications, such as publications and websites?

Need

Does development of this water source resolve an insufficient water supply for wildlife and /or livestock in a specific area, resolve a grazing distribution problem, or does it divert water to a better location for use by wildlife and/or livestock?

Show development location and other available water sources in the area on a map.

Source

Is the water source reliable and sufficient during the desired time of use?

Describe actual or estimate water production and the amount of water needed.

Trough Location

Will the trough be located where it is accessible , where it will not create unacceptable erosion, and where wetlands and riparian areas will not be impacted by livestock congregating.

Show the trough location by description, maps or photos.

Excavation

Does the water source and pipeline depth require excavating equipment, such as a backhoe; does the underlying rock formation or wet areas allow excavation; and is the area accessible to needed equipment?

Describe how you will mitigate or overcome obstacles to excavation.

Collection

How will the water be collected?

By description and/or drawings give a detailed plan of the collection system, including the type of materials used.

Delivery and Storage System

How will water be delivered to the point of use?

By description and/or drawings give a detailed plan of the water delivery system, including the type of materials used.

Trough/storage

What type of trough/storage will be used, how it will be plumbed and secured, and is there sufficient capacity to meet daily water demand?

By description and/or drawings give a detailed plan of the trough and any additional storage system, including the type of materials used, and explain how you determined the needed storage capacity.

Fencing and Revegetation

What reseeding and rehabilitation will be undertaken to restore areas disturbed during construction, and what fencing is necessary to protect development facilities, reseeding and adjacent sensitive areas?