

Supplemental Environmental Information Sheet

The following items are suggested guidelines for data to be submitted depending on the nature of the particular application. Please note that *not* all the information identified below is required for the water right application to be considered administratively complete. However, depending on the magnitude and scope of the proposed project, failure to provide requested information for technical review may result in delayed processing times.

ITEMS TO BE PROVIDED FOR ALL APPLICATIONS:

1. A USGS 7.5 minute topographic map(s) with location of the project area clearly marked.
2. Photographs of the stream at the project area (i.e., diversion point/dam location) including upstream and downstream views. Photographs should be in color and reflect the existing conditions of the stream and the riparian vegetation. Each photograph should include a description of what is depicted as well as be referenced to the USGS topographic map indicating the location and direction of the shot.
3. Brief description of the affected stream or water body at the project location including:
 - a) Average and maximum channel width and depth;
 - b) Flow characteristics of the stream (i.e., is the stream perennial, intermittent, intermittent with pools, or ephemeral?);
 - c) Description of land uses upstream within the watershed, if known;
 - d) Known recreation or other public uses of the affected stream or waterbody.

ADDITIONAL ITEMS TO BE PROVIDED IF AN EXISTING DAM AND RESERVOIR ARE SOUGHT TO BE PERMITTED:

1. Date dam constructed.
 2. Will the reservoir be maintained at normal pool elevation with an alternate source of water? If so, identify the source of water. If groundwater will be used, see below.
 3. Does the dam have an operational low flow outlet or other means to pass state water?
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MINIMAL ADDITIONAL ITEMS TO BE PROVIDED IF A DAM AND RESERVOIR ARE PROPOSED TO BE CONSTRUCTED:

1. In addition to indicating the location of the project location on the USGS topographic map, please identify the area of lake inundation at normal pool level.
2. Provide a brief description of the area to be affected by the proposed dam and reservoir.
3. The local U.S. Army Corps of Engineers (USACE) district should be notified of the proposed project. If the USACE determines that a 404 permit is required, provide the project number and name of the USACE Project Manager.
4. Will the reservoir be maintained at normal pool elevation with an alternate source of water? If so, identify the source of water. If groundwater will be used, see below.
5. Will the dam have a low flow outlet or other means to pass state water?

POSSIBLE ADDITIONAL ITEMS TO BE PROVIDED IF A DAM AND RESERVOIR ARE PROPOSED TO BE CONSTRUCTED:

1. A quantitative or qualitative evaluation of existing aquatic, riparian, wetland, and terrestrial habitats that will be subject to impact by the proposed reservoir project, preferably performed by a qualified third party. Acceptable evaluation procedures to be used may include, but are not limited to, USFWS's Habitat Evaluation Procedures or TPWD's Wildlife Habitat Appraisal Procedure. Any habitat evaluation should include an assessment of the effects of the project on habitats in the river segment downstream.
2. Description of the alternatives that were examined to meet the water needs that the proposed project is intended to fulfill. Were other site locations examined that may result in less environmental impact? How was the size of the proposed reservoir determined? Would a smaller reservoir be adequate to meet the projected water needs? Habitat mitigation shall be considered only after the complete sequencing (avoidance, minimization or modification, and compensation/replacement) process has been performed.
3. Should habitat losses be found to be unavoidable, a mitigation plan should be developed that will compensate for lost or altered ecosystem functions and values imposed by the proposed project. This plan should address both the

direct and indirect impacts to aquatic, riparian, and terrestrial habitats, as well as short- and long-term effects that may result from the proposed project. Habitat mitigation plans shall be ensured through binding legal contracts or conservation easements and shall include goals and schedules for completion of those goals. Mitigation areas shall be managed in perpetuity by a party approved by the Commission to maintain the habitat functions and values that will be affected by the proposed project.

4. Provide studies and analyses to determine instream flow requirements within the affected river and/or stream necessary to support a sound ecological environment.
5. Describe how the freshwater inflow needs to bays and estuaries downstream of the project will be met.

ADDITIONAL ITEMS TO BE PROVIDED IF GROUNDWATER WILL BE USED:

1. Information regarding the groundwater wells to be used in this project and groundwater quality data from each well to be used. Well information should include the following:
 - a) Depth of well;
 - b) Name of aquifer from which water is withdrawn.

Water chemistry information should include but not be limited to the following parameters:

- a) Chlorides;
- b) Sulfates;
- c) Total Dissolved Solids (TDS);
- d) pH;
- e) Temperature.

If data for on-site wells are unavailable, historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, please note that on-site data may still be required when it becomes available.