



Farmers Screen Site Evaluation

The site evaluation is the second tier in evaluation of a potential project. The information gathered during the site visit is meant to provide enough information to either confirm that the site is appropriate for a Farmers Screen or to determine that another technology or solution would be necessary. It is essential that as much information is gathered during the site visit as possible. If acceptable to the landowner, state and federal agency representatives should be invited.

Equipment Checklist:

- Still Camera
- Video Camera
- Tape Measure
- Laser Level
- GPS Receiver
- Flow Meter

Site Information:

(include city, state, watershed, river or stream name, FCA project name)

Invited Attendees:

Actual Attendees:

Date:

GPS Coordinates:

Elevation:

Soil Type:

Describe existing infrastructure:

Conveyance: (canal or piped)

Photos:

- Point of Diversion
- Upstream
- Downstream
- Diversion structure
- Head gate
- Conveyance
- Potential screen site(s)
- Potential return flow point(s)
- Access
- Existing screen

Video:

- Stream conditions (up and down stream)
- Diversion function including head gate
- Conveyance
- Existing screen

Survey: (If possible, shoot and record the following elevations)

- Top of Diversion Structure
- Any other infrastructure (headgate, screen structure, weir, etc.)
- Top of water and high water mark in stream at diversion point
- Top of water and high water mark 100' above diversion point
- Top of water and high water mark 100' below diversion point
- Top of water, invert, and high water mark in conveyance:
- Just behind head gate or at beginning of diversion
- 50' down conveyance
- 100' down conveyance
- Any other relevant points

Sketch Site Plan Including:

- River or stream (up and downstream)
- Diversion Point
- Conveyance
- All existing structures
- Potential screen locations
- Potential return points

Questions to Ask:

(please identify who is answering the question)

1. What is the largest amount of water that is diverted during the year in CFS?
How was this determined?
2. What is the smallest amount of water that is diverted during the year in CFS?
How was this determined?
3. Is by-pass flow available at all times?
4. Is there any time of the year when 100% of the water is diverted?
5. Is there any time of the year when it is difficult to get your water right?
6. Characterize the sediment or bed load in the system including timing and duration.
7. Characterize organic debris in the system including timing and duration.
8. Are there any records or data available regarding stream flow, diverted quantities, sediment, or bed load?
9. What is the soil like on the site? Is it likely that the ditch will seal around the structure?

Notes:

