

Fairfield Pump Storage Tailrace Sediment Investigation August 21, 2013

Milton Quattlebaum
SCANAS Services Corporate Environmental Services

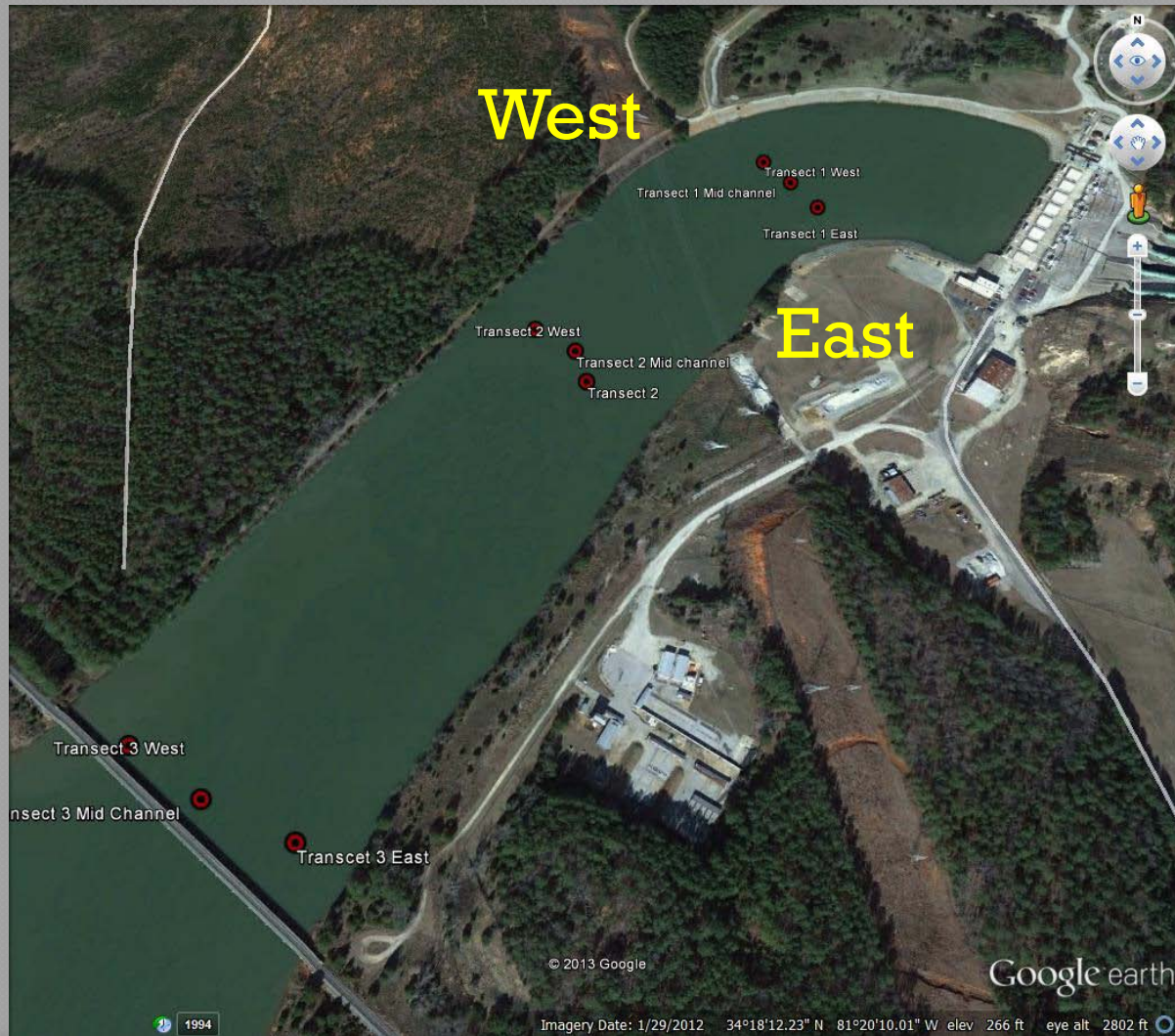
Sampling Plan

- Collect dredge samples along three transects from Fairfield Pump Storage Tailrace.
- Samples collected from at ends of transect and in center of transect.
- Samples collected using a Petite Ponar Dredge
- All samples were documented by photographs.
- Samples examined in the field for macroinvertebrates.

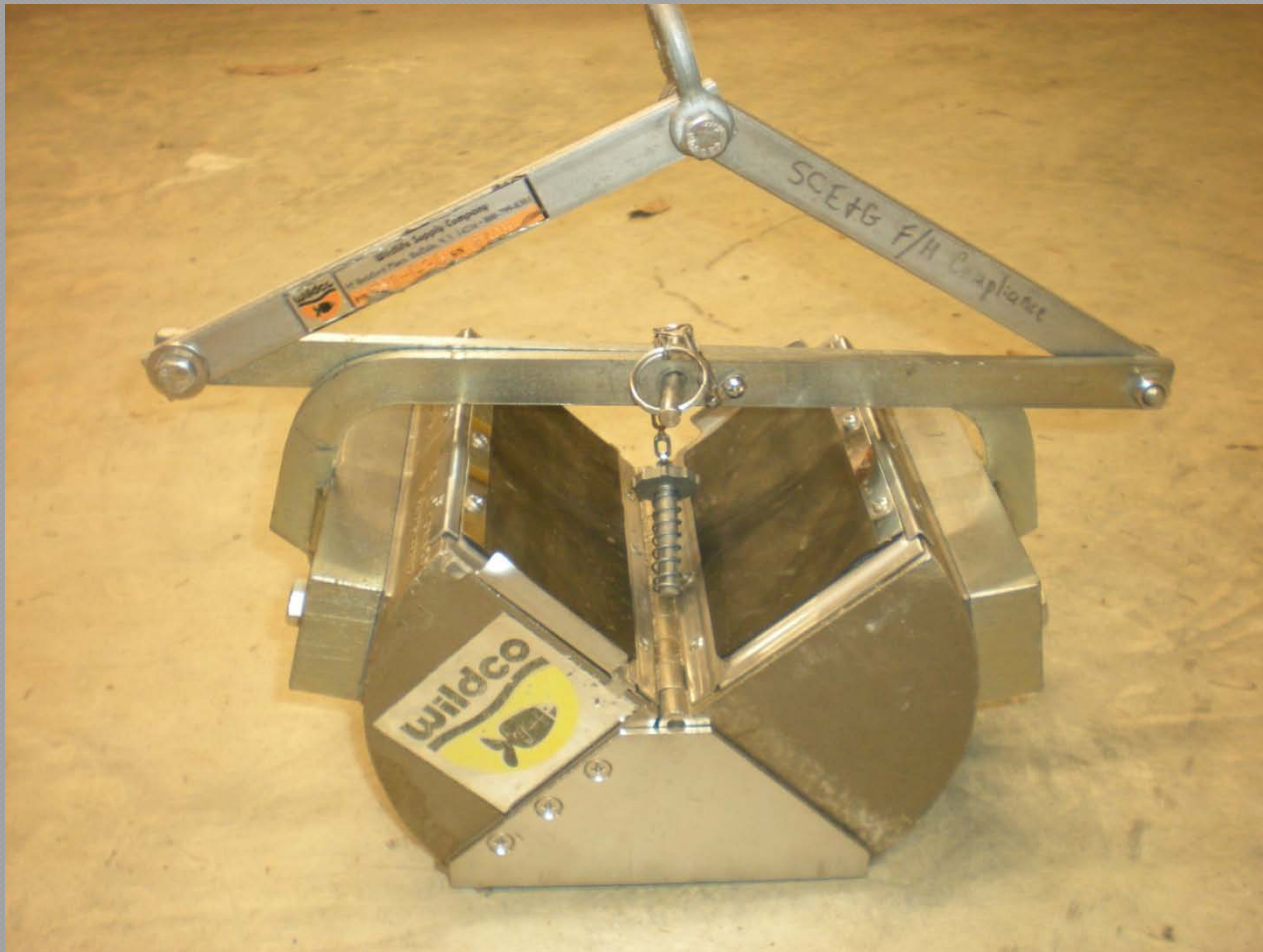
Parr Fairfield Overview



Sampling Area



Petite Ponar Dredge



Transect 1 East



Transect 1 Mid - Channel



Transect 1 West



Transect 2 East



Transect 2 Mid – Channel



Transect 2 West



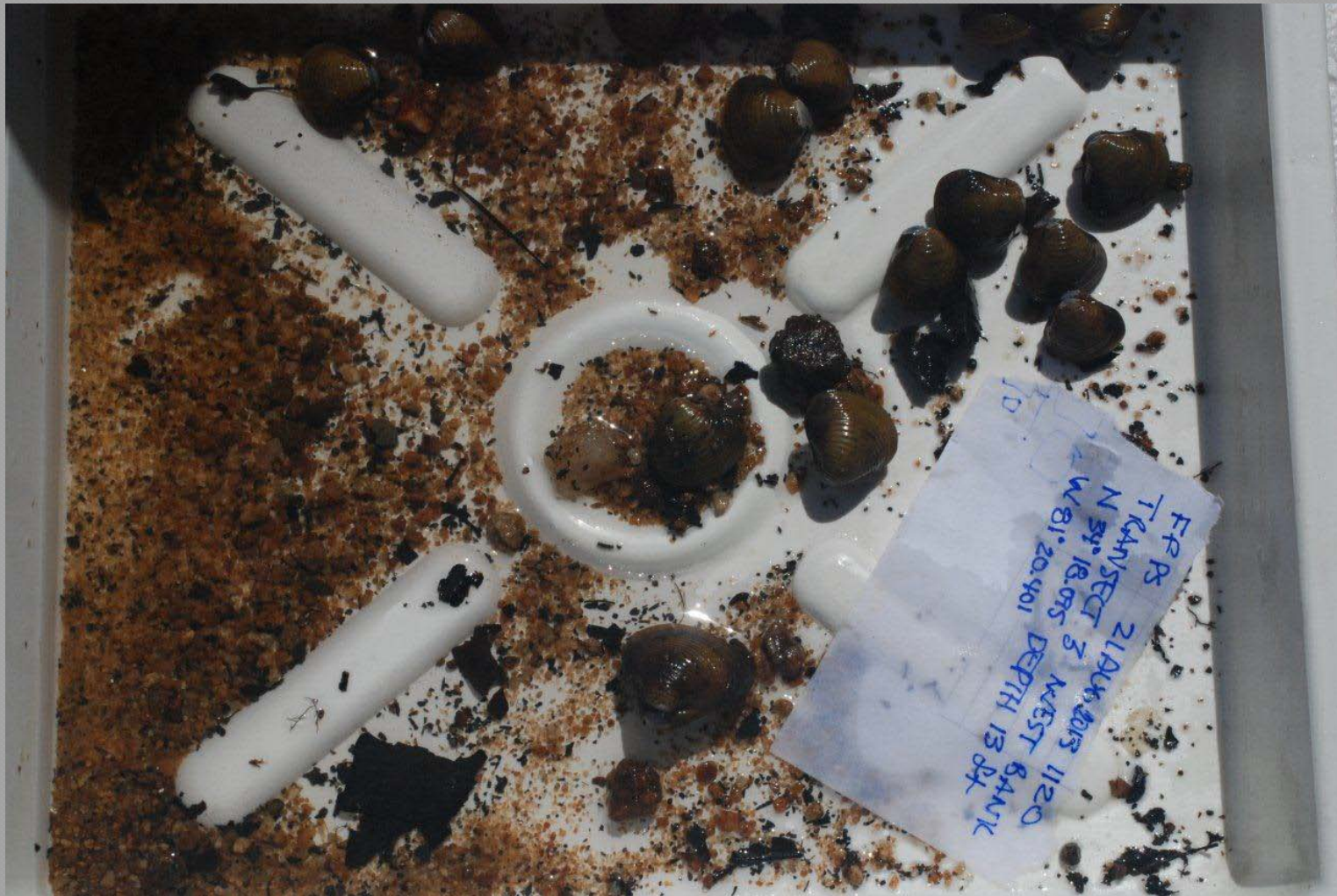
Transect 3 East



Transect 3 Mid - Channel



Transect 3 West



Sampling Results

- Corbicula present at each transect.
- Only macros found - 2 oligochaetes found at Transect 2 West
- Depths during sampling ranged from 11 to 21 feet.
- Transect 1 bottom substrate appears to be sand/gravel.
- Transect 2 and 3 appears to be scoured with small deposit of sand gravel.