

City of Arcata Wastewater Treatment Facility.

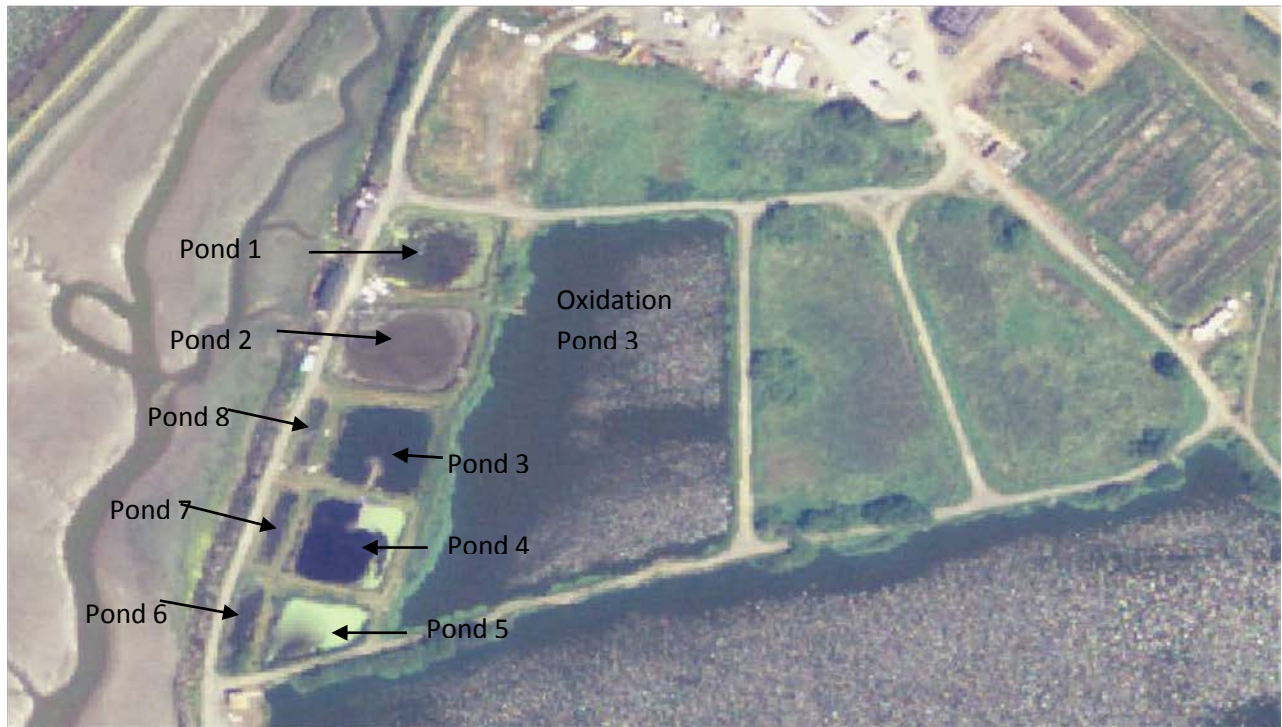
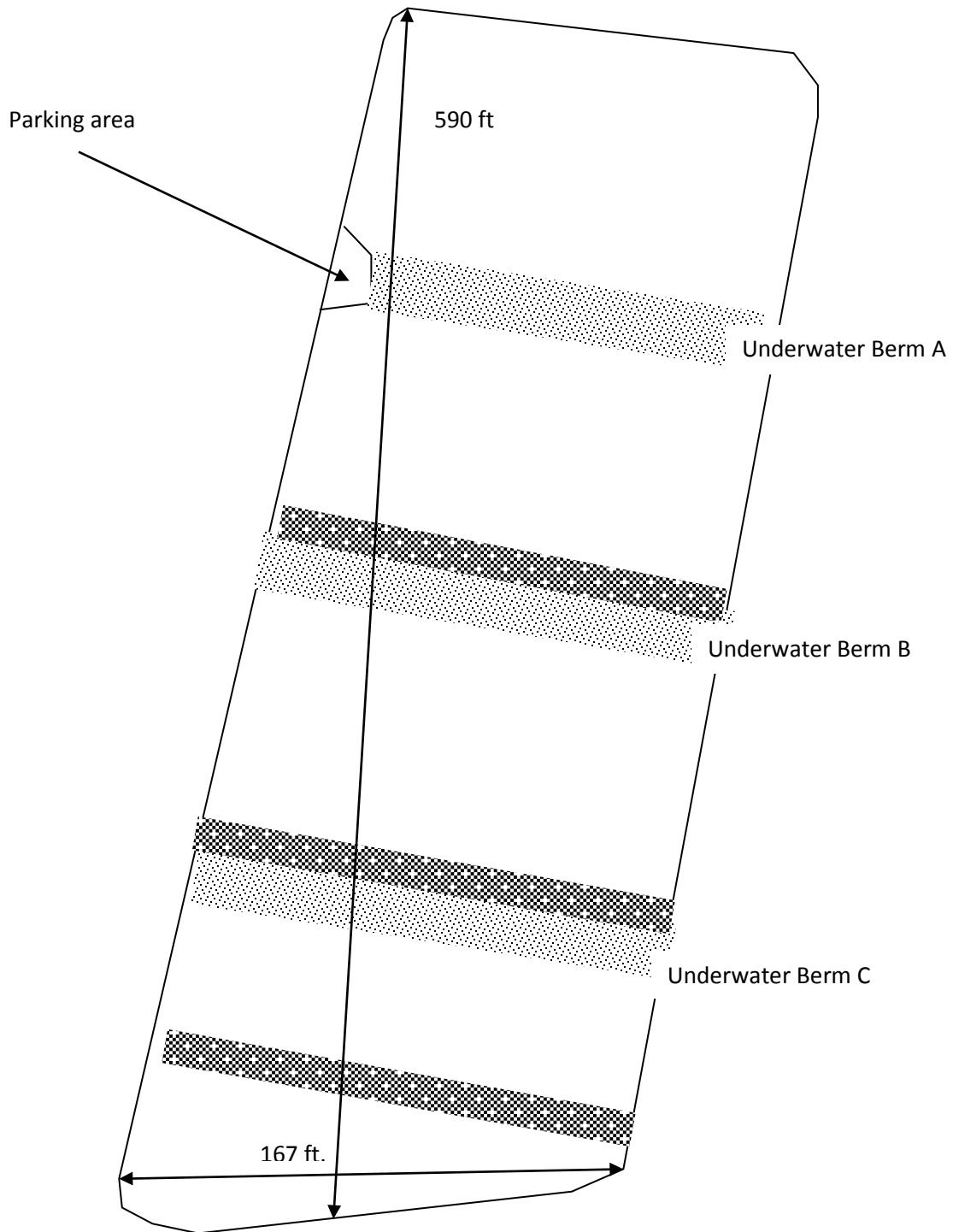


Figure 1: Current configuration of "Fish Ponds."



- The addition of Treatment Marsh #6 adds 22% more acreage to the total treatment marsh area.
- Adds more hydraulic retention time in a treatment marsh environment.
- The additional treatment reduces the loading into the existing treatment marshes and in turn increases water quality of the effluent.
- Existing berms between "fish ponds" make an easy transformation to treatment marsh

Figure 2 Proposed Treatment Marsh Cells superimposed over "Fish Ponds."



**Figure 3 Conceptual drawing of treatment marsh 6 in old fish pond area. Underwater berms are located at present dike locations (sections C, D and E). The locations should correspond with the underwater berms in proposed treatment marshes 4 and 5.**