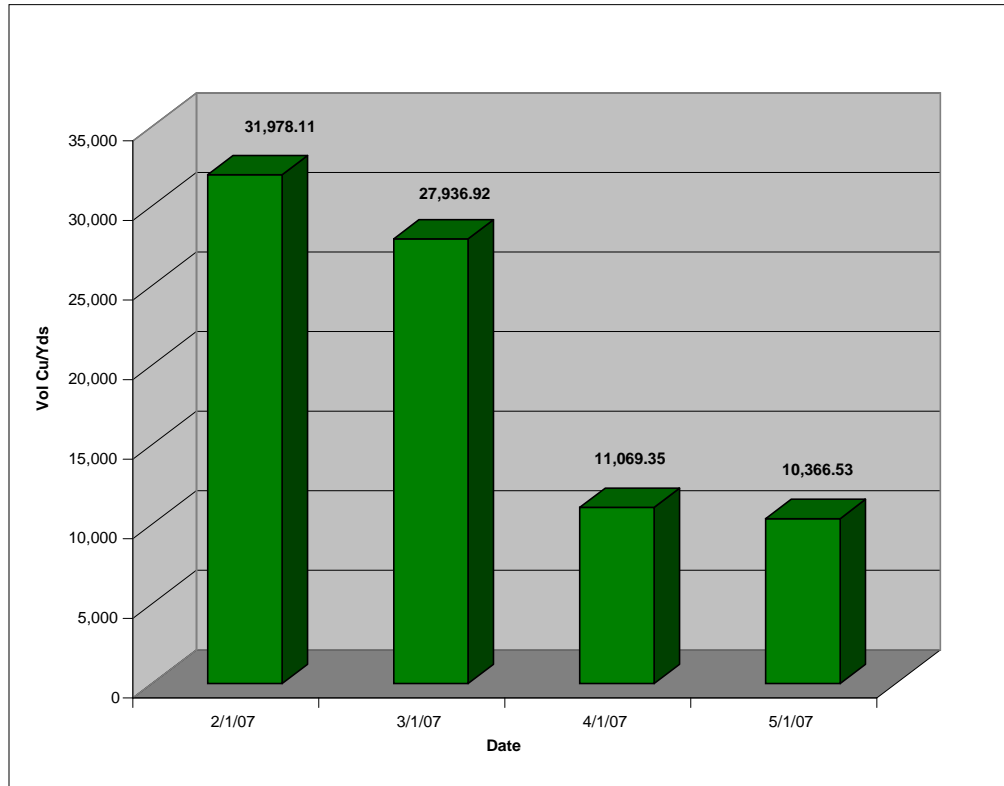


# Arkea® & Biological Dredging

(Removing Accumulated Sludge)



Arkea® media caused removal of over 60% of accumulated sludge in a Texas sludge storage and digestion lagoon. This occurred over a three-month period.

Sludge judge measurement indicated the lagoon was 50% filled before treatment started. The sludge mass was reduced over 60% during the three months; recovering almost 35% of the lagoon's designed capacity.

Other significant observations include:

- ✓ The cost of Arkea® driven biological dredging was less than one-third that of mechanical dredging.
- ✓ The lagoon was not taken out of operation during this work, as it would have been with mechanical dredging.

This work has been accomplished in both lagoons and tank sludge digesters with equal efficacy. The time required for biological dredging can be controlled.