information in the literature about the plant life in or near Suisun Bay, but no specific references to the project site.

The term plankton refers to all the organisms that drift with the currents and includes the phytoplankton, drifting plants such as dinoflagellates and diatoms, and the zooplankton, which are composed of slightly mobile animals such as small crustaceans, swimming mollusks, jellyfish and free-swimming larvae of fishes and bottom animals (Chambers, 1994). Variable distribution, composition and abundance characterize these communities of plankton.

The phytoplankton consists of the single celled floating plants that form the base of the food chain in most marine environments. Each section of the San Francisco-Suisun Bay estuary has its characteristic population of phytoplankton at each season. The phytoplankton in the Northern section of the Bay is characterized by an extremely high population in the null zone (Davis, 1982). Typically a bloom, a rapid population growth, occurs in San Pablo Bay in the spring. In July and August, as the null zone moves upstream in response to decreased outflow in the Sacramento-San Joaquin Rivers, another bloom develops in Suisun Bay (Chambers, 1994). These blooms are typically made up of diatoms found in the Pacific off the Golden Gate. As the river flows increase, the plankton mix shifts to more freshwater species. There have been recent reductions in the abundance of phytoplankton in Suisun Bay, apparently caused by intensive feeding by the Asian clam (*Potamocorbula amurensis*) introduced in the ballast water of ships (Chambers, 1994).

The different types of marsh habitat that would be expected to exist at the Marine Terminal, as shown in the introduction, above, depend on different levels of salinity and shelter from current. To determine which habitat or habitats exist, a walking survey of the area on both sides of the wharf and the pipeline corridor would have to be done. Each type of marsh has its own characteristic plants, and each would be impacted differently by spills.

Plant species of special concern have been identified in the region in several studies, and a summary listing is given as Attachment 3 of this document. It is likely that some of these species, at least, live at the Marine Terminal, but have not been identified because there have been no surveys for these plants conducted at the site.

E. ***Animal Life.*** Will the proposal result in:

			Potentially Significant Impact		
	No Impact	Less Than Significant Impact	Mitigation Identified	No Mitigation Identified--EIR	Insufficient Data