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Table E-1: Probability of Oiling Sensitive Species and Habitats from a Spill at the Amorc Terminal

Scenario	Probability of Spill Impact (%)	NOAA ESI Map #	Habitats Affected	NOAA Identified Species of Concern
Summer	> 50	9, 10	Mixed sand and gravel beaches Sheltered tidal flats Exposed tidal flats Salt- and brackish-water marshes Sheltered riprap Exposed, solid man-made structures Sheltered, solid man-made structures Riprap Exposed wave-cut platforms in bedrock	Dabbling ducks, California black rail, California clapper rail, shorebirds, saltmarsh common yellowthroat, Suisun song sparrow, San Pablo song sparrow, wading birds, canvasback, diving ducks, peregrine falcon, ruddy duck, western gull, American shad, chinook salmon (fall), chinook salmon (late fall), chinook salmon (spring), chinook salmon (winter), delta smelt, green sturgeon, striped bass, white croaker, Dungeness crab, white sturgeon, California bay shrimp, salt-marsh harvest mouse, saltmarsh wandering shrew, soft bird's-beak, delta tule pea, Mason's lilaeopsis
	40	<i>No additional maps</i>	Exposed rocky shores Fine- to medium-grained sand beaches Gravel beaches Vegetated low riverine banks Sheltered rocky shores	Gulls
	30	<i>No additional maps</i>	Mixed sand and gravel beaches	<i>No additional species</i>
	20	8, 11	Scarps and steep slopes in sand	Canada goose, greater white-fronted goose, harbor seal, northern pintail, Sacramento splittail, short-eared owl, snow goose, starry flounder
	10	2, 3, 4, 5, 7, 13, 15, 16	Coarse-grained sand beaches	Ambiguous Indian paintbrush, bat ray, black oystercatcher, black-crowned night-heron, brown rockfish, California brown pelican, California halibut, California least tern, Caspian tern, Clark's grebe, common murre, double-crested cormorant, eelgrass, English sole, great blue heron, great egret, leopard shark, northern river otter, pacific herring, Point Reye's bird's-beak, rainbow trout (steelhead), San Pablo vole, snowy egret, Suisun ornate shrew, yellowray goldfields

Scenario	Probability of Spill Impact (%)	NOAA ESI Map #	Habitats Affected	NOAA Identified Species of Concern
Winter	50	8, 9, 10	Exposed wave-cut platforms in bedrock Exposed, solid man-made structures Sheltered, solid man-made structures Sheltered tidal flats Fine- to medium-grained sand beaches Salt- and brackish-water marshes Scarps and steel slopes in sand Mixed sand and gravel beaches Gravel beaches Exposed rocky shores Riprap Sheltered riprap Sheltered rocky shores Vegetated low riverine banks	American shad, California bay shrimp, California black rail, California clapper rail, canvasback, chinook salmon (fall), chinook salmon (late fall), chinook salmon (spring), chinook salmon (winter), dabbling ducks, delta smelt, delta tule pea, diving duck, Dungeness crab, green sturgeon, longfin smelt, peregrine falcon, ruddy duck, saltmarsh common yellowthroat, salt-marsh harvest mouse, saltmarsh wandering shrew, shorebirds, Suisun song sparrow, San Pablo song sparrow, soft bird's-beak, striped bass, wading birds, western grebe, western gull, white croaker, white sturgeon, Mason's lilaeopsis
	40	No additional maps	No additional habitats	Blacktail bay shrimp, English sole, starry flounder
	30	7, 14	No additional habitats	Bat ray, black oystercatcher, black-crowned night-heron, brown rockfish, California brown pelican, California halibut, double-crested cormorant, eelgrass, great egret, gulls, leopard shark, Pacific rock crab, red rock crab, snowy egret
	20	2, 3, 16, 17	Coarse-grained sand beaches	Great blue heron, harbor seal, Pacific herring, Suisun ornate shrew
	10	15, 19, 20, 21, 22, 36, 37	Scrub-shrub wetlands Freshwater marshes Boulder rubble	Alameda song sparrow, ambiguous Indian paintbrush, American white pelican, Brandt's cormorant, California gull, California least tern, California sea lion, California seablite, Canada goose, Forster's tern, gracilaria, mission blue butterfly, northern harrier, pelagic cormorant, pigeon guillemot, Point Reyes bird's-beak, rainbow trout (steelhead), rare plants, San Pablo vole, short-eared owl, terns, white-tailed kite, yellowray goldfields Pacific Ocean: barred surfperch, black abalone, black oystercatcher, black-and-yellow rockfish, blue whale, bottlenose dolphin, Brandt's cormorant, brown pelican, cabezon, calico surfperch, California grunion, California halibut, California least tern, California red-legged frog, California sea lion, Caspian tern, Cassin's auklet, Clark's grebe, coho salmon, common murre, common yellowthroat, cormorants, dabbling ducks, Dall's porpoise, diving birds, diving ducks, double-crested cormorant, Dungeness crab, eared grebe, fin whale, gopher rockfish, grass rockfish, gray whale, grebes, gulls, harbor porpoise, harbor seal, horned grebe, humpback whale, jacksmelt, killer whale, leatherback sea turtle, lingcod, long-beaked common dolphin, loons, marbled murrelet, minke whale, monkeyface prickleback, northern right whale, northern river otter, pacific herring, pacific loon, pacific white-sided dolphin, pelagic cormorant, pelicans, phalaropes, pigeon guillemot, pinnipeds, raptors, redtail surfperch, rhinoceros auklet, Risso's dolphin, rubberlip seaperch, salmon, salt-marsh harvest mouse, San Francisco garter snake, scoters, sea lions, sea otter, seabirds, seals, shearwaters, shorebirds, short-beaked common dolphin, short-finned pilot whale, sooty shearwater, steelhead, striped bass, striped seaperch, surf scoter, tidepool invertebrates, tidewater goby, wading birds, walleye surfperch, western grebe, western gull, white seabass, white seaperch, white shark, white-winged scoter

1 Data: NOAA ESI 1998, 2006; WRA 2012; TRC 2013; Blue Water Associates