



For more detailed maps please visit:
www.marinemap.org/marinemap



Legend

○ South Coast Study Region Boundary

Discharge Sites

- ▲ Major Stormwater Discharge
- ▲ Major Municipal Wastewater Discharge
- ▲ Major Industrial Water Discharge

Impaired Water

- Impaired Beaches ¹
- Impaired Beaches, Human Impact Only ²
- Impaired Rocky Shores ¹
- Impaired Rocky Shores, Human Impact Only ²
- Impaired Rivers
- Impaired Water Bodies

California Marine Life Protection Act (MLPA) Initiative

¹ Contains all 303d listed pollutants except recreational contact impairments such as bacteria and/or other pathogens.

² Only contains 303d listed recreational contact impairments such as bacteria and/or other pathogens.

This map depicts areas of water quality concern in coastal watersheds and nearshore areas in the study region based on multiple considerations, including impaired water bodies (§303(d) list) and discharge sites.

"Impaired" waters is any water body that does not meet established water quality standards set forth by the federal Clean Water Act. For the purposes of this map, they are grouped by type: rivers, coastal water bodies, beaches, and rocky shores. Impaired beaches and rocky shores are separated into:

- 1) Impaired water bodies: include all 303d listed pollutants and are not limited to bacteria, which by itself is considered a recreational contact impairment, and
- 2) Impaired water bodies, human impacts only: include only bacteria, which when the only parameter of concern it is considered a recreational contact impairments and the potential for risk is limited to humans.

Discharge sites depicted on the map include: major stormwater, major municipal wastewater, and major industrial wastewater (power plant cooling water). Major stormwater discharge sites are the top ten sites based on discharge volume per year. Major municipal wastewater discharge sites have a discharge flow equal to or greater than 1 million gallons per day (MGD) of discharge. Major industrial discharge sites have been assessed to pose environmental risk.

Projection Information:

Name: NAD 1983 California Teale Albers
 Projection: Albers
 Datum: North American 1983



Data Sources:

California Department of Fish and Game
 State Water Resources Control Board

Version: 2.0
 Printing Date: 4/22/2009

Map 4.3-1a



For more detailed maps please visit:
www.marinemap.org/marinemap



Legend

○ South Coast Study Region Boundary

Discharge Sites

- ▲ Major Stormwater Discharge
- ▲ Major Municipal Wastewater Discharge
- ▲ Major Industrial Water Discharge

Impaired Water

- Impaired Beaches ¹
- Impaired Beaches, Human Impact Only ²
- Impaired Rocky Shores ¹
- Impaired Rocky Shores, Human Impact Only ²
- Impaired Rivers
- Impaired Water Bodies

California Marine Life Protection Act (MLPA) Initiative

¹ Contains all 303d listed pollutants except recreational contact impairments such as bacteria and/or other pathogens.

² Only contains 303d listed recreational contact impairments such as bacteria and/or other pathogens.

This map depicts areas of water quality concern in coastal watersheds and nearshore areas in the study region based on multiple considerations, including impaired water bodies (§303(d) list) and discharge sites.

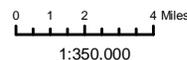
"Impaired" waters are any water body that does not meet established water quality standards set forth by the federal Clean Water Act. For the purposes of this map, they are grouped by type: rivers, coastal water bodies, beaches, and rocky shores. Impaired beaches and rocky shores are separated into:

- 1) Impaired water bodies: include all 303d listed pollutants and are not limited to bacteria, which by itself is considered a recreational contact impairment, and
- 2) Impaired water bodies, human impacts only: include only bacteria, which when the only parameter of concern it is considered a recreational contact impairment and the potential for risk is limited to humans.

Discharge sites depicted on the map include: major stormwater, major municipal wastewater, and major industrial wastewater (power plant cooling water). Major stormwater discharge sites are the top ten sites based on discharge volume per year. Major municipal wastewater discharge sites have a discharge flow equal to or greater than 1 million gallons per day (MGD) of discharge. Major industrial discharge sites have been assessed to pose environmental risk.

Projection Information:

Name: NAD 1983 California Teale Albers
 Projection: Albers
 Datum: North American 1983



Data Sources:

California Department of Fish and Game
 State Water Resources Control Board

Version: 2.0
 Printing Date: 4/22/2009

Map 4.3-1b



For more detailed maps please visit:
www.marinemap.org/marinemap



Legend

○ South Coast Study Region Boundary

Discharge Sites

- ▲ Major Stormwater Discharge
- ▲ Major Municipal Wastewater Discharge
- ▲ Major Industrial Water Discharge

Impaired Water

- Impaired Beaches ¹
- Impaired Beaches, Human Impact Only ²
- Impaired Rocky Shores ¹
- Impaired Rocky Shores, Human Impact Only ²
- Impaired Rivers
- Impaired Water Bodies

California Marine Life Protection Act (MLPA) Initiative

¹ Contains all 303d listed pollutants except recreational contact impairments such as bacteria and/or other pathogens.

² Only contains 303d listed recreational contact impairments such as bacteria and/or other pathogens.

This map depicts areas of water quality concern in coastal watersheds and nearshore areas in the study region based on multiple considerations, including impaired water bodies (§303(d) list) and discharge sites.

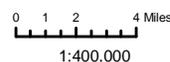
"Impaired" waters is any water body that does not meet established water quality standards set forth by the federal Clean Water Act. For the purposes of this map, they are grouped by type: rivers, coastal water bodies, beaches, and rocky shores. Impaired beaches and rocky shores are separated into:

- 1) Impaired water bodies: include all 303d listed pollutants and are not limited to bacteria, which by itself is considered a recreational contact impairment, and
- 2) Impaired water bodies, human impacts only: include only bacteria, which when the only parameter of concern it is considered a recreational contact impairments and the potential for risk is limited to humans.

Discharge sites depicted on the map include: major stormwater, major municipal wastewater, and major industrial wastewater (power plant cooling water). Major stormwater discharge sites are the top ten sites based on discharge volume per year. Major municipal wastewater discharge sites have a discharge flow equal to or greater than 1 million gallons per day (MGD) of discharge. Major industrial discharge sites have been assessed to pose environmental risk.

Projection Information:

Name: NAD 1983 California Teale Albers
 Projection: Albers
 Datum: North American 1983



Data Sources:

California Department of Fish and Game
 State Water Resources Control Board

Version: 2.0
 Printing Date: 4/22/2009

Map 4.3-1c



For more detailed maps please visit: www.marinemap.org/marinemap



Legend

○ South Coast Study Region Boundary

Discharge Sites

- ▲ Major Stormwater Discharge
- ▲ Major Municipal Wastewater Discharge
- ▲ Major Industrial Water Discharge

Impaired Water

- Impaired Beaches ¹
- Impaired Beaches, Human Impact Only ²
- Impaired Rocky Shores ¹
- Impaired Rocky Shores, Human Impact Only ²
- Impaired Rivers
- Impaired Water Bodies

California Marine Life Protection Act (MLPA) Initiative

¹ Contains all 303d listed pollutants except recreational contact impairments such as bacteria and/or other pathogens.

² Only contains 303d listed recreational contact impairments such as bacteria and/or other pathogens.

This map depicts areas of water quality concern in coastal watersheds and nearshore areas in the study region based on multiple considerations, including impaired water bodies (§303(d) list) and discharge sites.

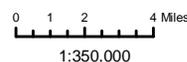
"Impaired" waters are any water body that does not meet established water quality standards set forth by the federal Clean Water Act. For the purposes of this map, they are grouped by type: rivers, coastal water bodies, beaches, and rocky shores. Impaired beaches and rocky shores are separated into:

- 1) Impaired water bodies: include all 303d listed pollutants and are not limited to bacteria, which by itself is considered a recreational contact impairment, and
- 2) Impaired water bodies, human impacts only: include only bacteria, which when the only parameter of concern it is considered a recreational contact impairment and the potential for risk is limited to humans.

Discharge sites depicted on the map include: major stormwater, major municipal wastewater, and major industrial wastewater (power plant cooling water). Major stormwater discharge sites are the top ten sites based on discharge volume per year. Major municipal wastewater discharge sites have a discharge flow equal to or greater than 1 million gallons per day (MGD) of discharge. Major industrial discharge sites have been assessed to pose environmental risk.

Projection Information:

Name: NAD 1983 California Teale Albers
 Projection: Albers
 Datum: North American 1983



Data Sources:

California Department of Fish and Game
 State Water Resources Control Board

Version: 2.0
 Printing Date: 4/22/2009

Map 4.3-1d



For more detailed maps please visit: www.marinemap.org/marinemap



Legend

○ South Coast Study Region Boundary

Discharge Sites

- ▲ Major Stormwater Discharge
- ▲ Major Municipal Wastewater Discharge
- ▲ Major Industrial Water Discharge

Impaired Water

- Impaired Beaches¹
- Impaired Beaches, Human Impact Only²
- Impaired Rocky Shores¹
- Impaired Rocky Shores, Human Impact Only²
- Impaired Rivers
- Impaired Water Bodies

California Marine Life Protection Act (MLPA) Initiative

¹ Contains all 303d listed pollutants except recreational contact impairments such as bacteria and/or other pathogens.

² Only contains 303d listed recreational contact impairments such as bacteria and/or other pathogens.

This map depicts areas of water quality concern in coastal watersheds and nearshore areas in the study region based on multiple considerations, including impaired water bodies (§303(d) list) and discharge sites.

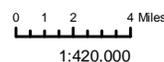
"Impaired" waters is any water body that does not meet established water quality standards set forth by the federal Clean Water Act. For the purposes of this map, they are grouped by type: rivers, coastal water bodies, beaches, and rocky shores. Impaired beaches and rocky shores are separated into:

- 1) Impaired water bodies: include all 303d listed pollutants and are not limited to bacteria, which by itself is considered a recreational contact impairment, and
- 2) Impaired water bodies, human impacts only: include only bacteria, which when the only parameter of concern it is considered a recreational contact impairments and the potential for risk is limited to humans.

Discharge sites depicted on the map include: major stormwater, major municipal wastewater, and major industrial wastewater (power plant cooling water). Major stormwater discharge sites are the top ten sites based on discharge volume per year. Major municipal wastewater discharge sites have a discharge flow equal to or greater than 1 million gallons per day (MGD) of discharge. Major industrial discharge sites have been assessed to pose environmental risk.

Projection Information:

Name: NAD 1983 California Teale Albers
 Projection: Albers
 Datum: North American 1983



Data Sources:

California Department of Fish and Game
 State Water Resources Control Board

Version: 2.0
 Printing Date: 4/22/2009

Map 4.3-1e



For more detailed maps please visit: www.marinemap.org/marinemap

Legend

- South Coast Study Region Boundary
- Discharge Sites**
 - Major Stormwater Discharge
 - Major Municipal Wastewater Discharge
 - Major Industrial Water Discharge
- Impaired Water**
 - Impaired Beaches ¹
 - Impaired Beaches, Human Impact Only ²
 - Impaired Rocky Shores ¹
 - Impaired Rocky Shores, Human Impact Only ²
 - Impaired Rivers
 - Impaired Water Bodies

California Marine Life Protection Act (MLPA) Initiative

¹ Contains all 303d listed pollutants except recreational contact impairments such as bacteria and/or other pathogens.

² Only contains 303d listed recreational contact impairments such as bacteria and/or other pathogens.

This map depicts areas of water quality concern in coastal watersheds and nearshore areas in the study region based on multiple considerations, including impaired water bodies (§303(d) list) and discharge sites.

"Impaired" waters is any water body that does not meet established water quality standards set forth by the federal Clean Water Act. For the purposes of this map, they are grouped by type: rivers, coastal water bodies, beaches, and rocky shores. Impaired beaches and rocky shores are separated into:

- 1) Impaired water bodies: include all 303d listed pollutants and are not limited to bacteria, which by itself is considered a recreational contact impairment, and
- 2) Impaired water bodies, human impacts only: include only bacteria, which when the only parameter of concern it is considered a recreational contact impairments and the potential for risk is limited to humans.

Discharge sites depicted on the map include: major stormwater, major municipal wastewater, and major industrial wastewater (power plant cooling water). Major stormwater discharge sites are the top ten sites based on discharge volume per year. Major municipal wastewater discharge sites have a discharge flow equal to or greater than 1 million gallons per day (MGD) of discharge. Major industrial discharge sites have been assessed to pose environmental risk.

Projection Information:

Name: NAD 1983 California Teale Albers
 Projection: Albers
 Datum: North American 1983



Data Sources:

California Department of Fish and Game
 State Water Resources Control Board

Version: 2.0
 Printing Date: 4/22/2009



For more detailed maps please visit:
www.marinemap.org/marinemap



Legend

○ South Coast Study Region Boundary

Discharge Sites

- Major Stormwater Discharge
- Major Municipal Wastewater Discharge
- Major Industrial Water Discharge

Impaired Water

- Impaired Beaches ¹
- Impaired Beaches, Human Impact Only ²
- Impaired Rocky Shores ¹
- Impaired Rocky Shores, Human Impact Only ²
- Impaired Rivers
- Impaired Water Bodies

California Marine Life Protection Act (MLPA) Initiative

¹ Contains all 303d listed pollutants except recreational contact impairments such as bacteria and/or other pathogens.

² Only contains 303d listed recreational contact impairments such as bacteria and/or other pathogens.

This map depicts areas of water quality concern in coastal watersheds and nearshore areas in the study region based on multiple considerations, including impaired water bodies (§303(d) list) and discharge sites.

"Impaired" waters is any water body that does not meet established water quality standards set forth by the federal Clean Water Act. For the purposes of this map, they are grouped by type: rivers, coastal water bodies, beaches, and rocky shores. Impaired beaches and rocky shores are separated into:

- 1) Impaired water bodies: include all 303d listed pollutants and are not limited to bacteria, which by itself is considered a recreational contact impairment, and
- 2) Impaired water bodies, human impacts only: include only bacteria, which when the only parameter of concern it is considered a recreational contact impairments and the potential for risk is limited to humans.

Discharge sites depicted on the map include: major stormwater, major municipal wastewater, and major industrial wastewater (power plant cooling water). Major stormwater discharge sites are the top ten sites based on discharge volume per year. Major municipal wastewater discharge sites have a discharge flow equal to or greater than 1 million gallons per day (MGD) of discharge. Major industrial discharge sites have been assessed to pose environmental risk.

Projection Information:

Name: NAD 1983 California Teale Albers
 Projection: Albers
 Datum: North American 1983



0 1 2 4 Miles

 1:700,000

Data Sources:

California Department of Fish and Game
 State Water Resources Control Board

Version: 2.0
 Printing Date: 5/7/2009

Map 4.3-1g