



# Recreational Uses, Criteria and Assessment

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June 16, 2011

# Current Recreational Use Criteria



Uses	E. coli (FW) Geo Mean	E. coli Single Sample	Enterococci (SW) Geo Mean	Enterococci (SW) Single Sample	Fecal Coliform Geo Mean	Fecal Coliform Single Sample
Primary contact (PCR) cfu/100mL	126	394	35	89	200	400
Noncontact (NCR) cfu/100mL	605	N/A	168	N/A	2000	4000

# Revised Recreational Use Criteria



- Expand categories:
  - Primary contact
  - Secondary contact 1
  - Secondary contact 2
  - Noncontact

Uses	E. coli (FW)	Enterococci (Salty inland FW)*	Enterococci (SW)	Fecal coliform (FW & SW)
Primary contact (PCR)	126	33	35	200**
Secondary contact 1 (SCR1)	630	165	175***	1000
Secondary contact 2 (SCR2)	1030	270	--	1000
Noncontact recreation (NCR)	2060	540	350	2000

\* Salty (high saline) inland FW = High saline inland water bodies (conductivity  $\geq 9000$   $\mu\text{mhos/cm}$ )

\*\* Fecal coliform will be gradually phased out as criteria for salty inland waters however, fecal coliform would continue to be used for oyster waters criterion (14/100ml median)

\*\*\* Secondary contact 1 for SW would only be applicable when not in conflict with the federal Beach Act



# Revised Recreational Use Criteria

- Provides a framework for Recreational Use Attainability Analysis (RUAAAs)
- Fecal coliform
  - Retain in oyster waters
- Enterococci for high-salinity inland waters
  - Two years to transition from fecal coliform to enterococci
  - Classified Segments: Enterococci used at all times
  - Unclassified Segments: Enterococci used unless it can be demonstrated that the unclassified water body is not high saline
- High flow exemption for bacteria samples
  - 24 hour period following extreme hydrologic conditions
  - Flow that exceeds the 90<sup>th</sup> percentile or flow severity index of flood



# Recreational Use – Proposed 2012 Assessment

## 2010 TSWQS - Uses/Criteria

- Numeric criteria:
  - Geomean used to evaluate:
    - Primary Contact
    - Secondary Contact
    - NonContact
  - Single sample used to evaluate:
    - Primary Contact criteria for public notices or beach closures

## 2012 Assessment

- Only geomean will be assessed against
  - Single sample criteria applied toward swimmer notifications and beach closure

# Recreational Use – Proposed 2012 Assessment

## 2010 TSWQS - Uses/Criteria

- Primary Contact Recreation
- Secondary Contact Recreation 1
- Secondary Contact Recreation 2
- Noncontact Recreation

## 2012 Assessment

- Presumed for all water bodies unless otherwise designated in Appendices A or G
- Applied only when lack of contact recreation has been demonstrated based on an RUAA
- Never presumed. Must be designated in Appendices A or G



# Recreational Use – Proposed 2012 Assessment

## 2010 TSWQS - Uses/Criteria

- Oyster Waters
  - Fecal Coliform

## 2012 Assessment

- No change
  - Assessment based on most recent Department of State Health Services (DSHS) Shellfish Harvesting maps



# Recreational Use – Proposed 2012 Assessment

## 2010 TSWQS - Uses/Criteria

- High Flow Exemption

## 2012 Assessment

- Currently reviewing feasibility for 2012 Assessment