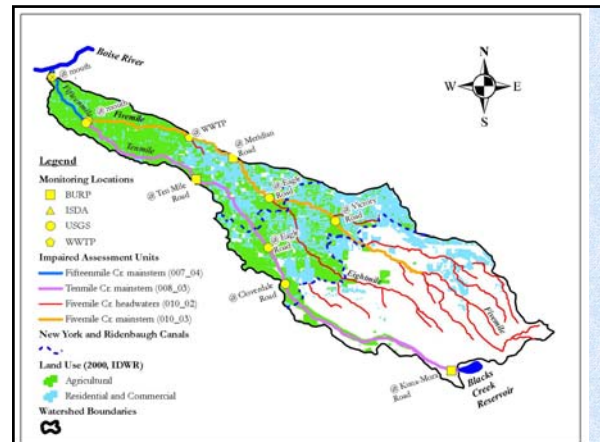


Fivemile, Tenmile & Fifteenmile Creeks

Watershed Advisory Group Meeting June 6, 2011

Impairment Status
Available Data Review
Monitoring Needs*
Subbasin Assessment

(*as requested by TAC)



Impairment Status - §303(d) lists

Water Body Name	Assessment Unit	2008 list	Draft 2010 list
Fivemile Creek (headwaters, inc. Eightmile Cr.)	010_02	Fecal coliform	Fecal coliform
Fivemile Creek (mainstem)	010_03	Biota, habitat and fish bioassessment	Sedimentation
Tenmile Creek (mainstem)	008_03	Sedimentation Fecal Coliform	Sedimentation Fecal Coliform
Fifteenmile Creek (mainstem)	007_04	Not listed	Sedimentation Chlorpyrifos

Available Water Data Review

- Temperature, Dissolved Oxygen, pH
- BURP
- Fivemile Creek
 - E. coli
 - Sediment
- Tenmile Creek
 - E. coli
 - Sediment
- Fifteenmile Creek
 - E. coli
 - Sediment

Temperature, DO and pH

Temperature

- Fivemile mainstem; only 1% above WQS; *not impaired*
- Fivemile headwaters – no data
- Tenmile; all below WQS; *not impaired*
- Fifteenmile: 6% exceeds WQS; *not impaired*

Dissolved Oxygen

- Fivemile mainstem; all below WQS; *not impaired*
- Fivemile headwaters – no data
- Tenmile: 6% exceeds WQS; *not impaired*
- Fifteenmile: no exceedance; *not impaired*

pH: all values meet WQS; *not impaired*

BURP Data

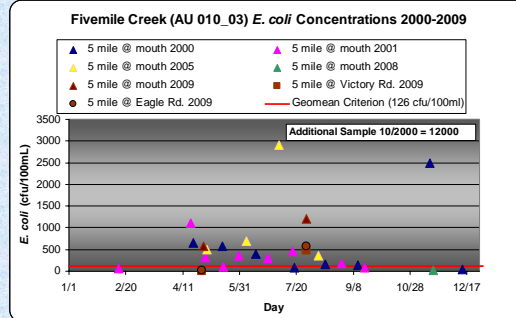
Three sites with data, all showed impairment

Site ID	Location	Impairment Indicator
1997SBOIA003	Tenmile Cr. @ Tenmile Road	Bug Scores Habitat Scores
1997SBOIA004	Tenmile Cr. @ Kuna-Mora Road	Bug Scores Fish scores
2003SBOIA052	Fivemile Cr. @ Meridian Road	Bug Scores Fish Scores Habitat scores

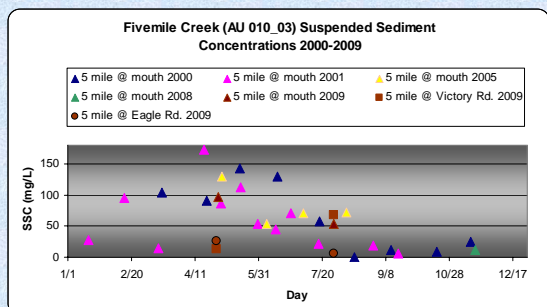
Fivemile Creek (mainstem)



Bacteria (Fivemile mainstem)



Sediment (Fivemile mainstem)



Decision Points (Fivemile mainstem)

1. Who will collect geomean bacteria data?
2. Where to collect the bacteria samples?
3. Additional monitoring needs?

Fivemile Creek (headwaters)

(includes Eightmile Creek)

Bacteria (Fivemile headwaters)

- Listed as impaired (fecal coliform)
 - Probably an artifact of our change to Assessment Units
 - Need to prove/disprove listing
 - Geometric mean required

Decision Points

(Fivemile headwaters)

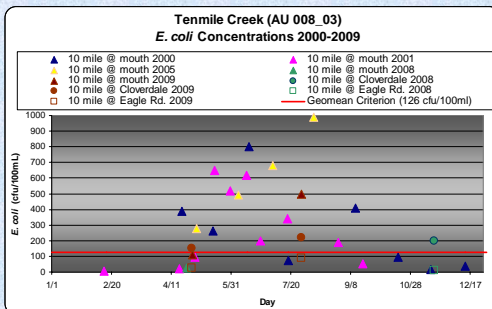
1. Who will collect geomean bacteria data?
2. Where to collect the bacteria samples?
3. Additional monitoring needs?

Tenmile Creek (mainstem)



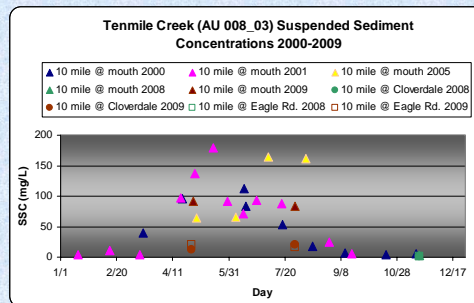
Bacteria

(Tenmile mainstem)



Sediment

(Tenmile mainstem)



Decision Points

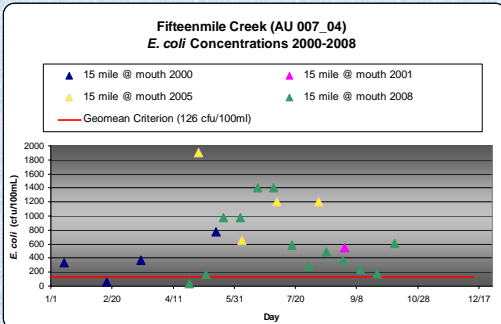
(Tenmile mainstem)

1. Who will collect geomean bacteria data?
2. Where to collect the bacteria samples?
3. Additional monitoring needs?

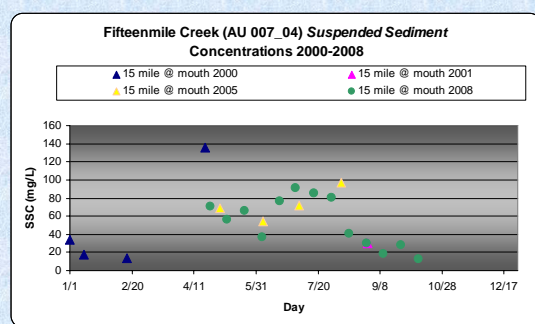
Fifteenmile Creek (mainstem)



Bacteria (Fifteenmile mainstem)



Sediment (Fifteenmile mainstem)



Decision Points (Fifteenmile mainstem)

1. Who will collect geomean bacteria data?
2. Where to collect the bacteria samples?
3. Additional monitoring needs?

Monitoring Plan

Water Body Name	Pollutant	Who?	Where?
Fivemile Creek (headwaters)			
Fivemile Creek (mainstem)			
Tenmile Creek (mainstem)			
Fifteenmile Creek (mainstem)			