



CONFIDENCE TESTING RESULTS

Summary of Discussions with Dave Dilks (LimnoTech),
Cathy Whiting (LimnoTech), and Richard Grace (AXYS)

Confidence Testing Results

- *Current Status*

- *Sampling conducted in May*
- *Analytical results are beginning to become available*
 - *Three batches of data*
 - *First half of samples*
 - *Second half of samples*
 - *Two back-up samples due to loss in lab*

Confidence Testing Results

- *Sample Results*

- *Batch #1*

- *“High” level of PCB-7 in lab blank*
 - *PCB-7 ~47 pg/L*
 - *Total PCB ~55 pg/L*
 - *Occurs in about 3% of batches*

- *Batch #2*

- *Low lab blank ~7 pg/L*
- *Trip Blanks ~38 pg/L to 47 pg/L*
- *River samples ~48 pg/L to 50 pg/L*

- *Batch #3*

- *Awaiting results*

Confidence Testing Results

- *Additional Work in Progress*

- *AXYS looking at the trip blanks to see if the “fingerprint” looks “out of the ordinary” to evaluate potential of bottle contamination*
- *AXYS looking at composite sample “fingerprint” for indications of potential bottle contamination*

Confidence Testing Results

- *Where to From Here?*

- *No purpose served by re-running Batch #1 since Batch #2 shows results in the “noise”*
- *Based on AXYS’ experience, a larger grab sample (4L) will not resolve this situation*
- *Uncertainty factors for CLAM not likely resolvable in near term*

Confidence Testing Results

- *Next Steps*

- *River Flow Impact Analysis*

- *Post Falls Station*

- *Month of May (2000 – 2013)*

- *15,400 cfs*

- *Month of August (2000 – 2013)*

- *733 cfs*

- *May 2014*

- *18,000 cfs to 19,000 cfs*

- *Assuming point sources are “constant”, river concentrations may increase above the “noise”*

- *LimnoTech evaluating data*

Confidence Testing Results

- ***Preliminary Assessment***

- *Signal will rise above the noise as we move downstream*
- *Monitoring will provide a qualitative assessment of the significance of groundwater sources*
 - *Unable to determine the exact magnitude of a minor load*
 - *Likely able to determine whether groundwater load is significant contributor*
- *Monitoring will provide a better quantitative understanding of PCB concentrations in the vicinity of Spokane*