

Habitat Assessment



Process and Status

Topics/Issues

- 1. HAWG**
- 2. Baseline**
- 3. Ongoing evaluations: habitat mapping protocols and modeling**
- 4. Indian Creek and beyond**
- 5. Habitat use – validation and feedback**

Habitat Assessment Working Group (HAWG)

Conceived as a focus group tasked with reviewing habitat assessment strategies that:

Are effective for assessing habitat at the site-through the system-scale.

Identifies and maximizes the utility of older “baseline” habitat data.

Views physical habitat availability within the broad context of fluvial morphology and dynamics.

Prepares for IAP habitat workshops.

The HAWG is to:

- Prepare, collect, and review documents detailing ongoing/completed habitat assessment work (Biomonitoring, 2D, EHM, new geomorphic/habitat pilot effort)
- Review baseline information, determine adequacy
- Conduct literature review (other methods/info)
- Prepare for IAP workshop(s) addressing habitat assessment
- **As part of IAP process, conduct workshops, develop habitat assessment study plan.**

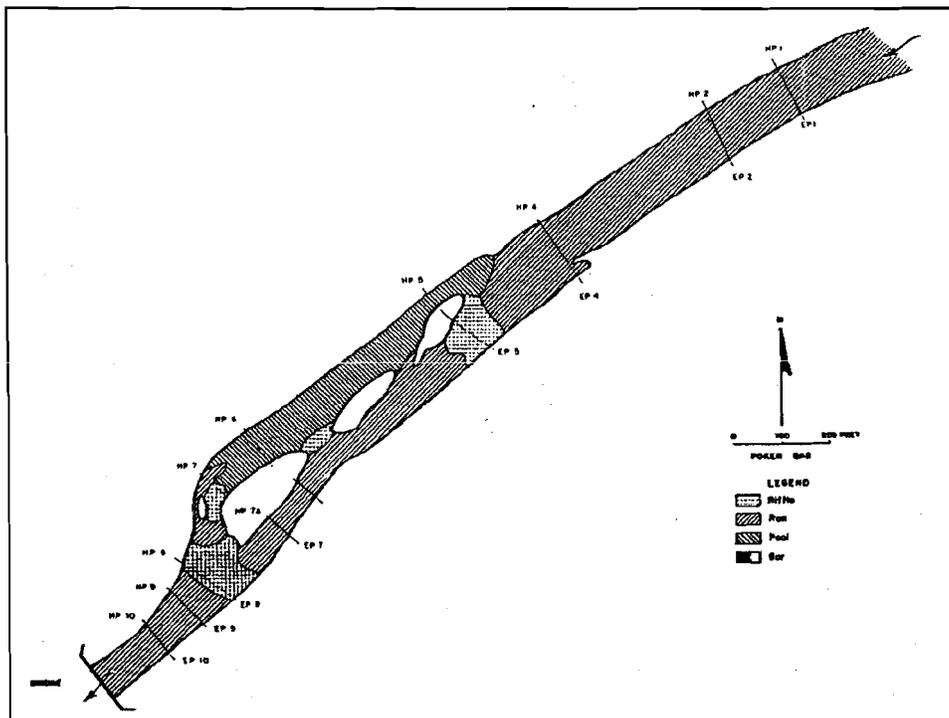
Baseline

How much habitat existed prior to ROD implementation?

Does the TRFE habitat study represent the best pre-ROD “baseline”?

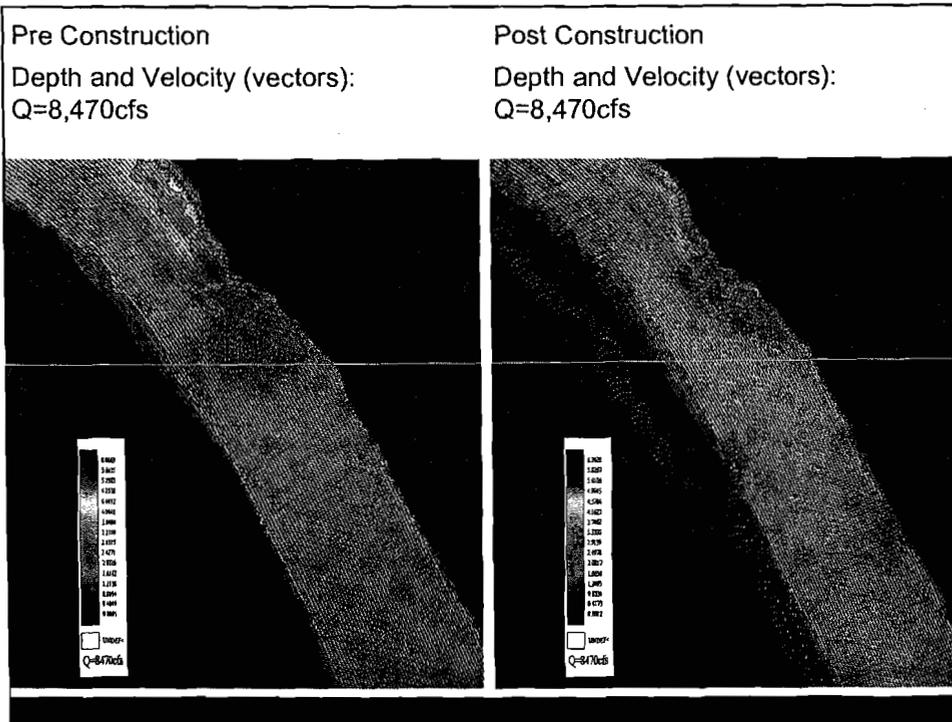
What other “baseline” time frames are of interest?

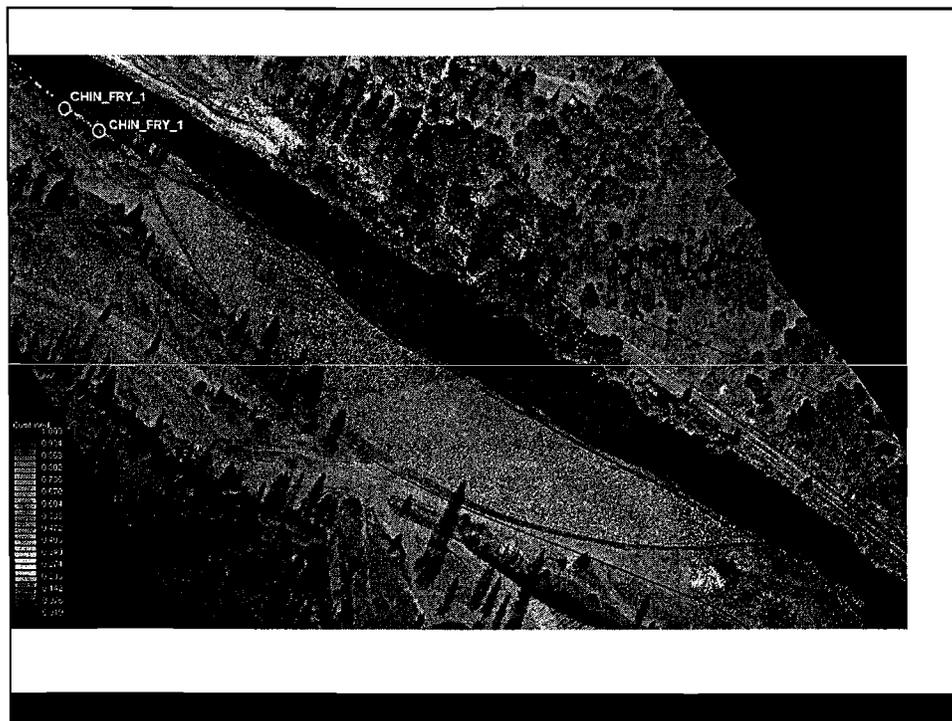
How much habitat can we reasonably expect to produce (*de facto* target is 4X, based on requirement to produce detectable population change)?

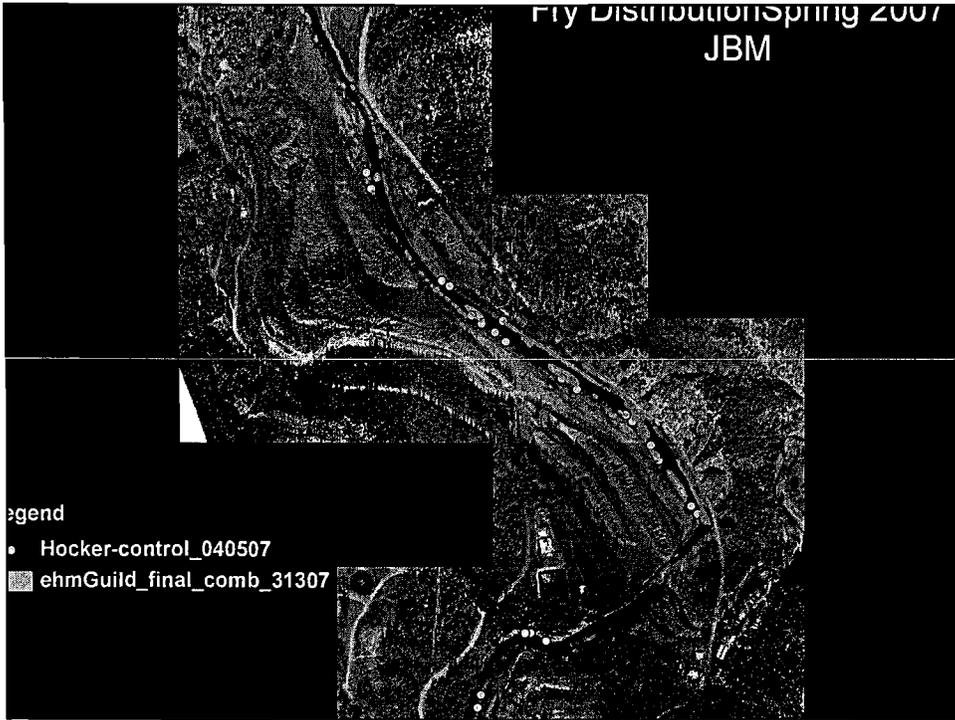
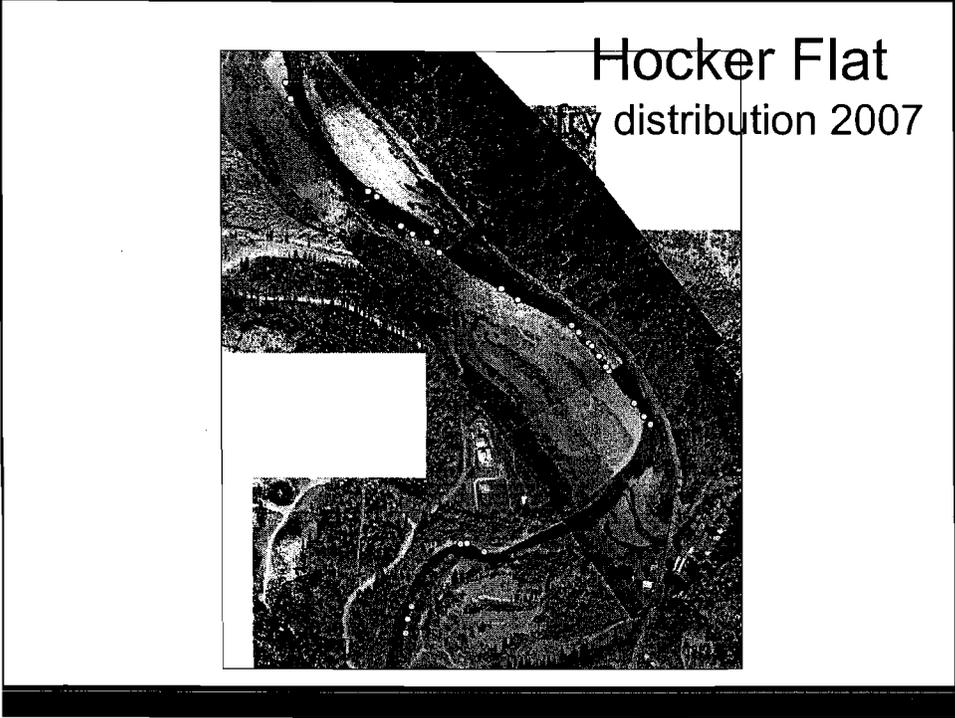


Habitat Assessment Updates

- Update on 2-d modeling effort
- Comparisons of JBM to fry distribution
- Comparisons between methods still to be done
- Advances in methodologies may make biomapping a cost effective method.







Indian Creek and Beyond

HAWG sub-group to develop site-scale habitat assessment plan.

To be implemented at Indian Creek prior to construction (July).

If successful, may serve as blueprint for future rehabilitation site monitoring.

Plan is still in flux.

Indian Creek

“Geomorphic” map of the site that incorporates some aspects of traditional meso-habitat types with geomorphic units at multiple spatial scales.

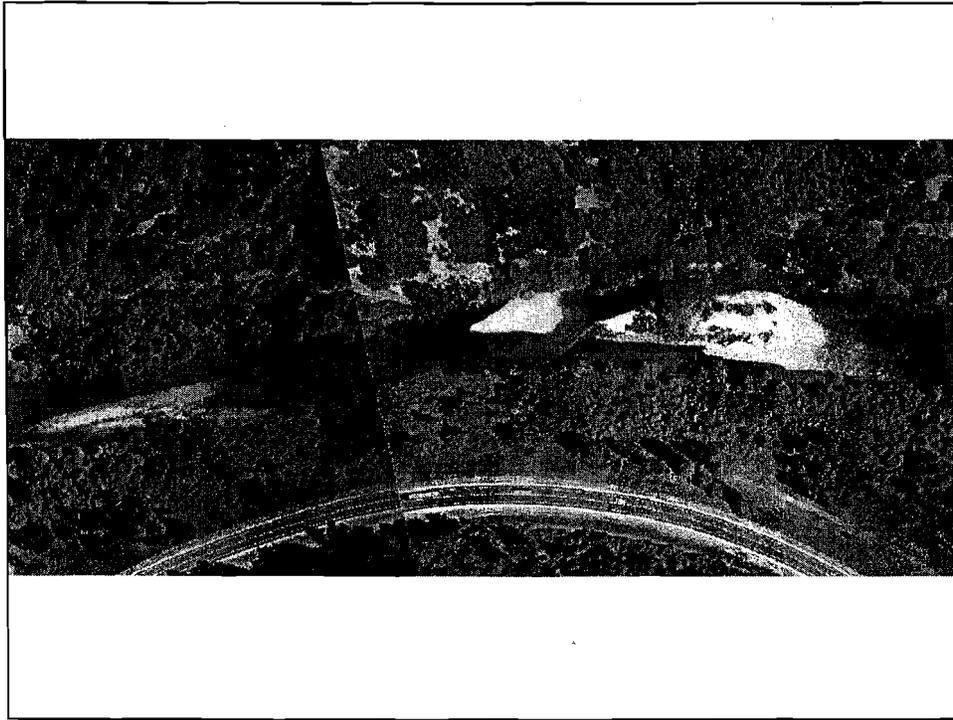
Classification of banks and channel margins.

Bio-mapping or other habitat mapping protocol.

Weighted Usable Area analyses on transects (maybe).

Hypothesis:

Some “geomorphic units” will be shown to consistently support more or better physical habitat than others, as quantified by habitat mapping and/or WUAs.



Is the new side channel being
used?

