



# Eastbank Water Supply Analysis

## U.S. Geological Survey: Resolution Information

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- **Balanced Scorecard**
  - Managing our assets and natural resources



# Eastbank Water Supply Analysis

## U.S. Geological Survey: Resolution Information

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- TOTAL: \$145,000
- U.S. Geological Service Cost Share: \$21,162
- Joint Funding Agreement Amount: \$123,838
- Duration
  - Date of last signature through September 30, 2008



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# Eastbank Aquifer

## Important to the District

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### Eastbank Aquifer – An invaluable resource

- Provides water for Eastbank Hatchery and Regional Water System
- Municipal demand is increasing on the aquifer



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# Eastbank Hatchery

## Importance to the District

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### Eastbank Hatchery – A key facility

- Currently 8 different stocks of fish utilize the facility
- Critical to mimicking natural life cycles
- Eastbank Aquifer sole source of water
- Key component to achieve No-Net-Impact



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# Eastbank Aquifer Temperature Increase

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- Tentative conclusion of seasonal increase of temperature
- Many studies have been commissioned to analyze increased withdrawals from the Aquifers
- For the District to plan appropriately, additional information and analysis is required



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# Eastbank Aquifer Temperature Increase Impacts

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How does the temperature increase impact the hatchery?

- Temperatures already marginally too high for hatching and rearing salmonids
- Increasing temperatures will have greater impact on hatchery operations
- Impact of increasing withdrawals on Aquifer temperature is unknown.



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# Eastbank Aquifer Temperature Increase Analysis

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How is the District proposing to analyze the Aquifer?

- Enter into a Joint Funding Agreement with United States Geological Survey
  - OBJECTIVE: Are ground-water temperatures increasing and are those increases due to surface-water inflow to the aquifer?
  - Detailed study proposal



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# Eastbank Water Supply Analysis

## Summary

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- Eastbank Hatchery is a key component for the District's mitigation and inundation
- Continued temperature increase can significantly impact the District hatchery cost
- USGS draft results are expected in December 2007



# Eastbank Water Supply Analysis

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Questions?

Thank you