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### Shinumo HBC Translocation - 2008

- NPS Project Lead
- Cooperative Effort
  - among NPS, BOR, FWS, AGFD, GC Wildlands Council, volunteers
  - Funding shared between NPS & BOR – no AMP funds
- 300 HBC Collected in 2008 from LCR

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### Shinumo HBC Translocation - 2009

- Most HBC grown to 180-185 range over winter at Dexter
  - very low mortality
  - Flow training
  - PIT tag in May by FWS
  - Treatment for parasites at Bubbling Ponds

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### Shinumo HBC Translocation - 2009

#### Summer Field Schedule

- May 2009
  - Non-native removal
- June 2009
  - Monitoring equipment installation
  - Non-native removal
  - Translocation via helicopter
- July 2009
  - Monitoring Trip I
- Sept 2009
  - Monitoring Trip II

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### Shinumo HBC Translocation 2009

- May & June 2009
  - Non-native removal
- Over 800 non-native fish removed

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### May/June 2009 Field Activities

- Monitoring equipment installed and functioning
  - PIT Tag Antenna
  - Stream Gage

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## May/June 2009 Field Activities

- 300 HBC Translocated – No mortality
- Native fish community inventory – Speckled Dace and Bluehead Sucker




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## July 2009 Monitoring

- Snorkeled all pools – Mouth to above translocation reach (1.7 miles)
- Seining/Minnow Traps/Hoops
  - Mouth through translocation reach
  - 108 HBC Captured
  - 3 below falls, plus 3 non-translocated juv. HBC
- PIT Tag Antenna
  - 40 have left or less than 15% of total (as of 6/27)




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## Shinumo HBC Translocation

- Collect additional fish for future translocation from LCR
  - July 2009 (487 total)
    - 199 Chute Falls
    - 200 Dexter
    - 88 Shinumo
    - Oct trip to collect 222 for Shinumo
- September Monitoring Trip
- Evaluate results
- Convene workshop in Fall
- Develop translocation framework/plan




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## Shinumo HBC Translocation



An overview of the project is at:

<http://www.nps.gov/grca/naturescience/shinumotransloc.htm>