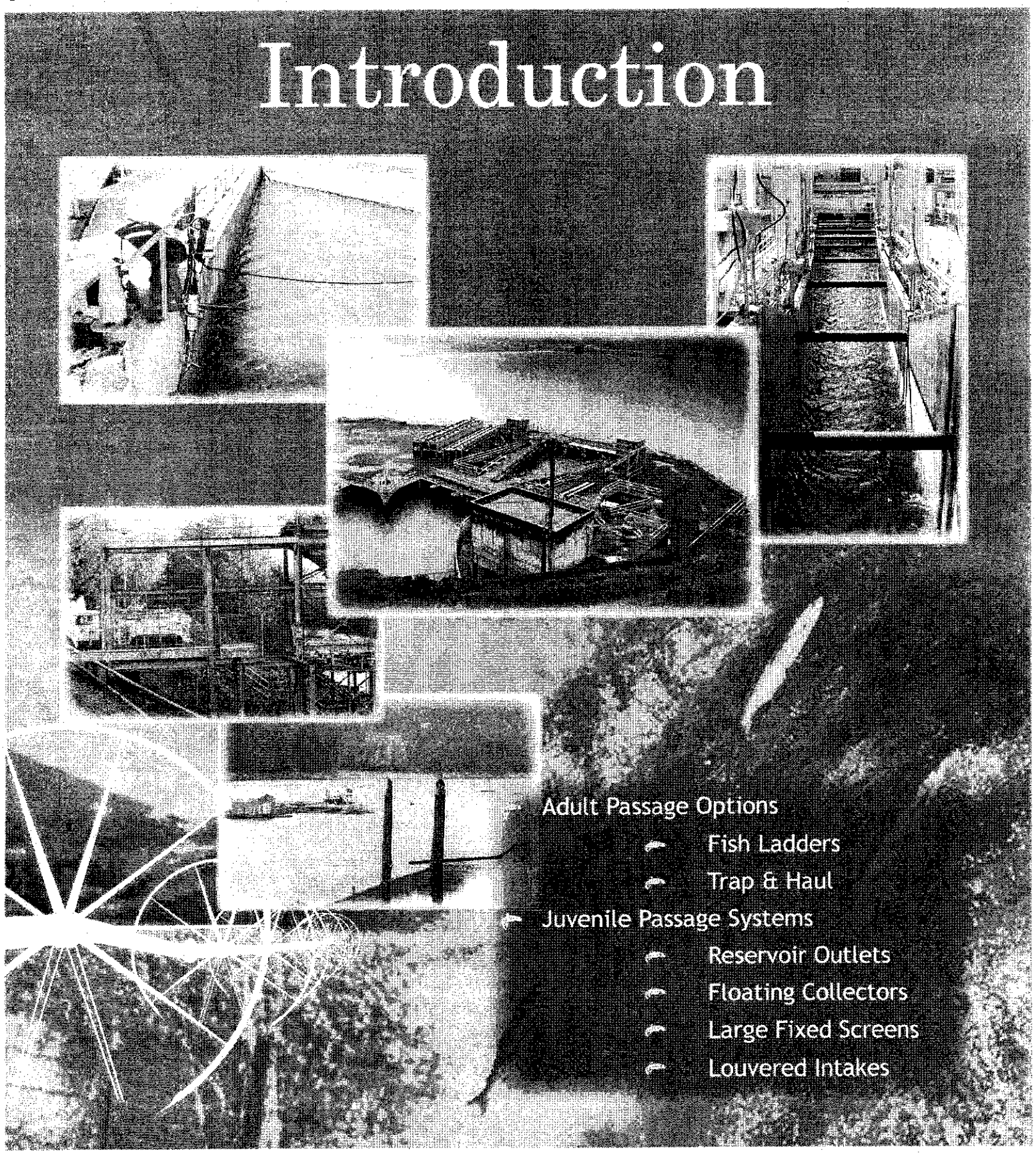
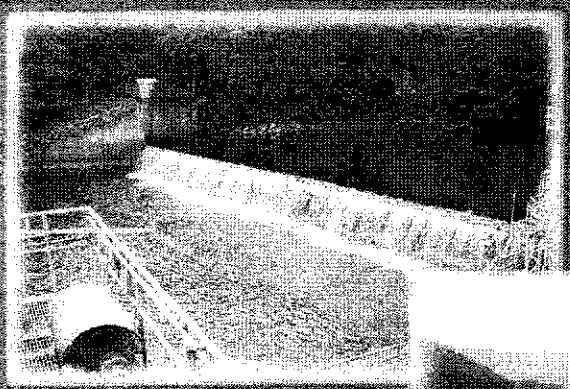
EXHIBIT 28-F

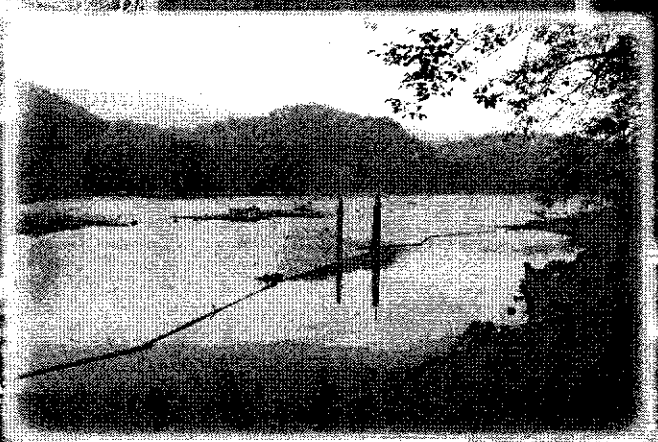
Introduction

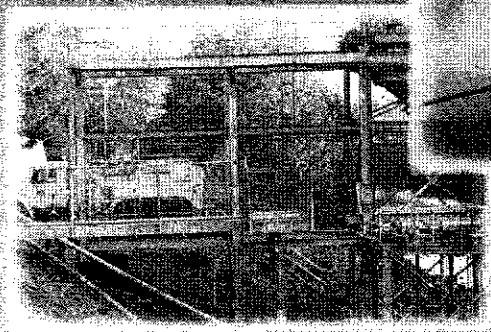


- Adult Passage Options
  - Fish Ladders
  - Trap & Haul
- Juvenile Passage Systems
  - Reservoir Outlets
  - Floating Collectors
  - Large Fixed Screens
  - Louvered Intakes

Baker River System

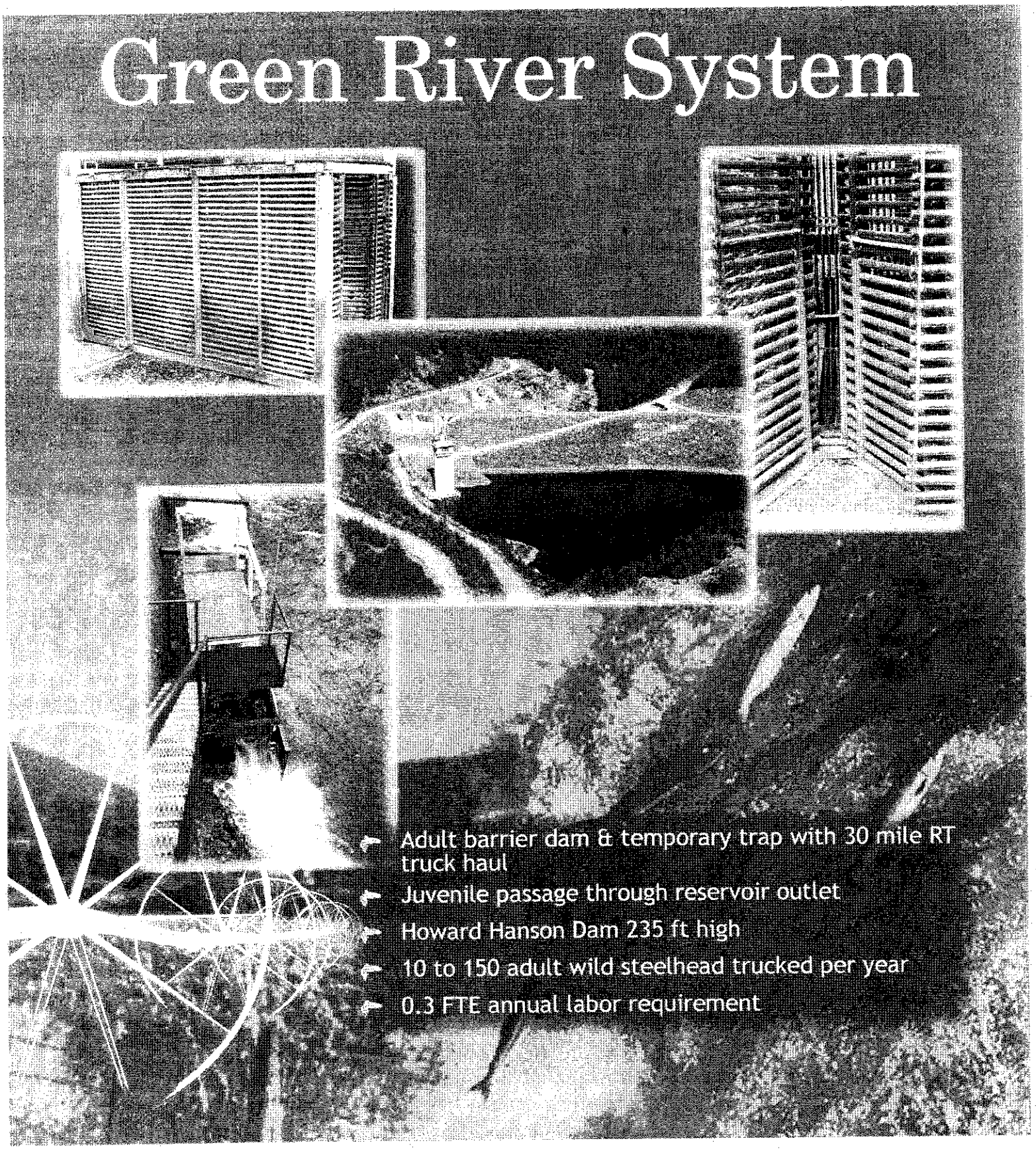






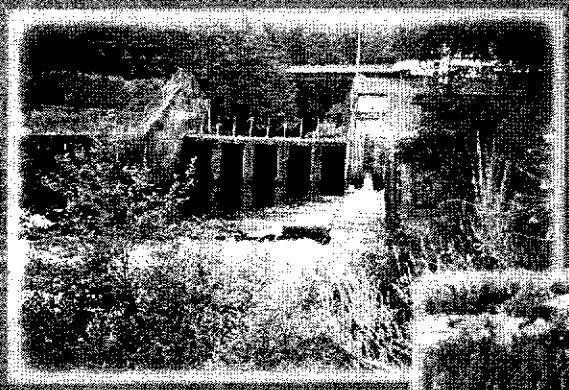
- Adult barrier dam & trap with 60 mile RT truck haul
- Juvenile floating collectors and guide nets with 40 mile RT truck haul
- Upper Baker Dam 312 ft high
- Lower Baker Dam 285 ft high
- Upper Baker juvenile collector 150 cfs capacity
- Lower Baker juvenile collector 90 cfs capacity
- 10,000 to 30,000 adult fish trucked per year
- 75,000 to 325,000 smolts trucked per year
- 2.5 FTE annual labor requirement

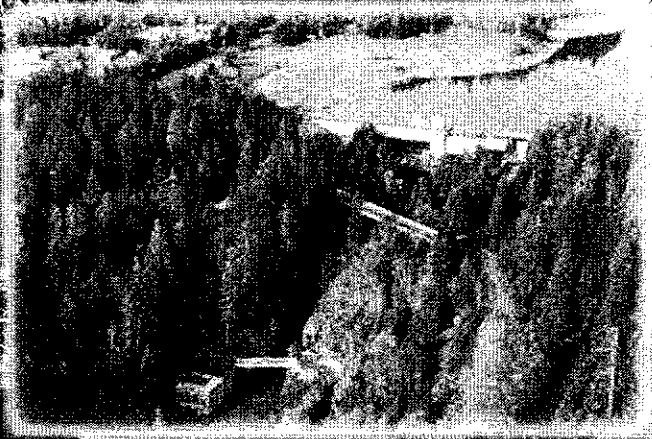
Green River System

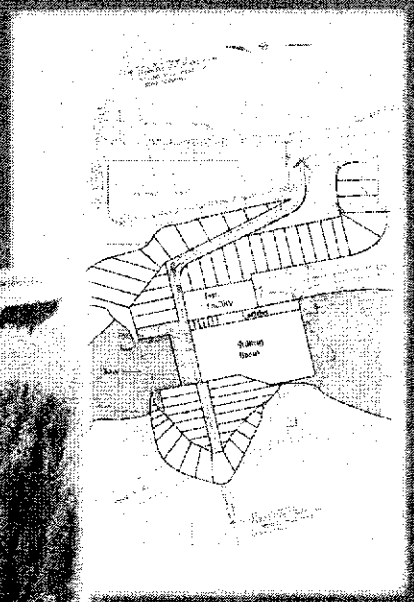


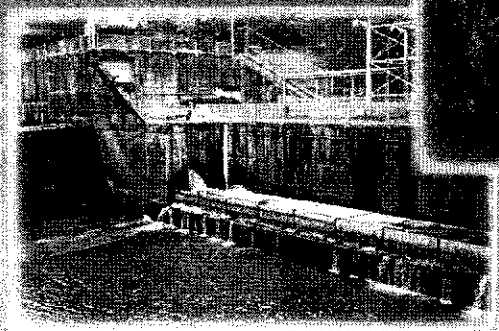
- Adult barrier dam & temporary trap with 30 mile RT truck haul
- Juvenile passage through reservoir outlet
- Howard Hanson Dam 235 ft high
- 10 to 150 adult wild steelhead trucked per year
- 0.3 FTE annual labor requirement

Wynoochee River System



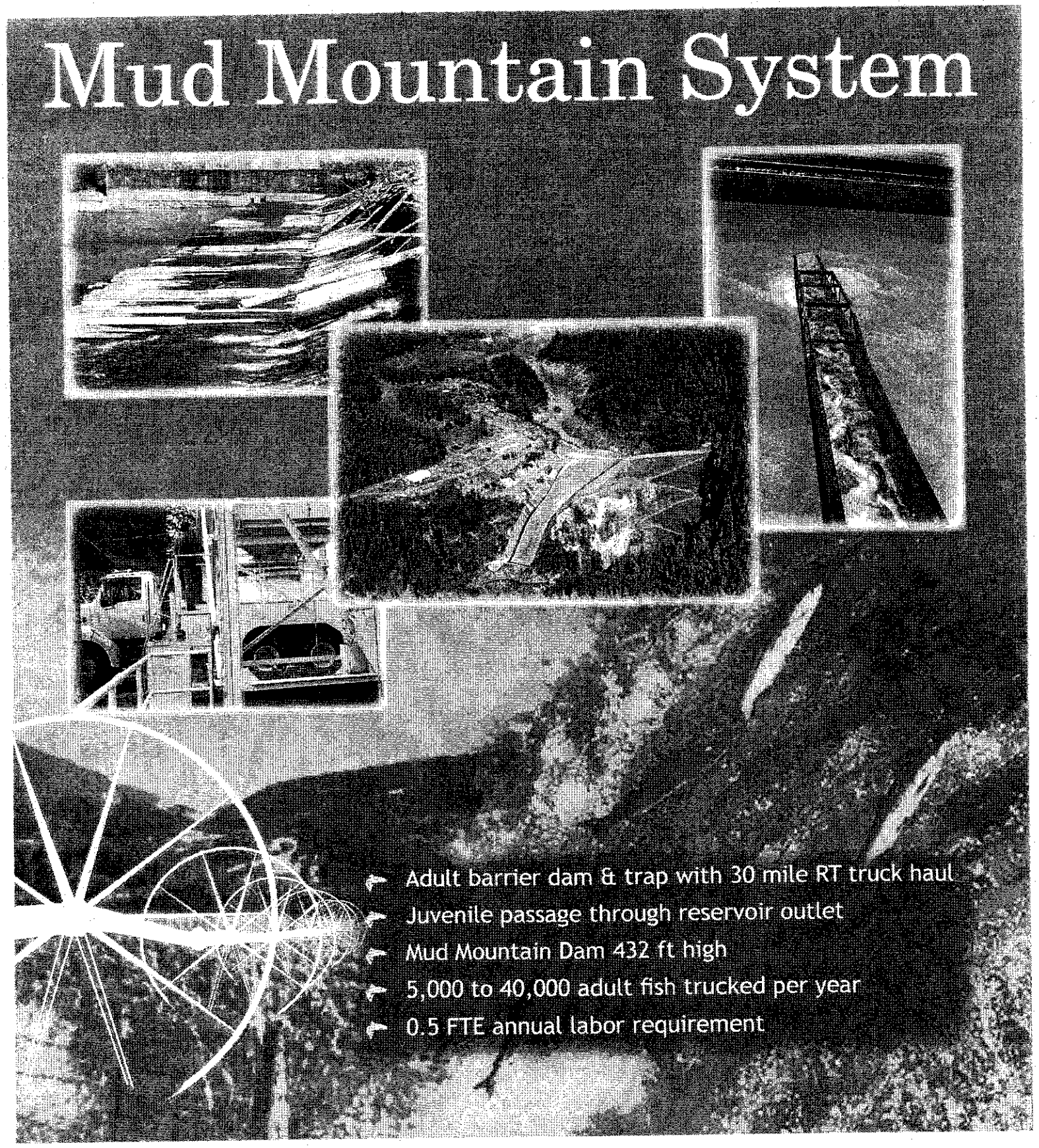






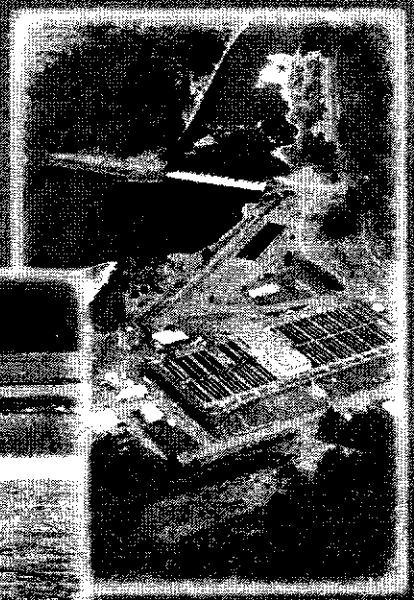
- Adult barrier dam & trap with 20 mile RT truck haul
- Juvenile fixed port collectors 200 cfs capacity each
- Wynoochee Dam 175 ft high
- 1,000 to 6,000 adult fish trucked per year
- 0.5 FTE annual labor requirement

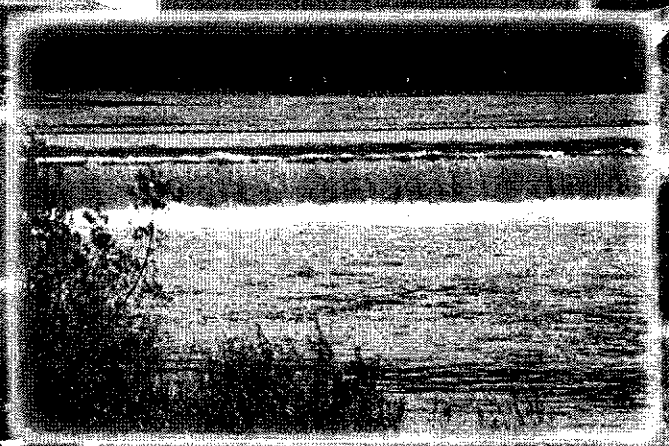
Mud Mountain System

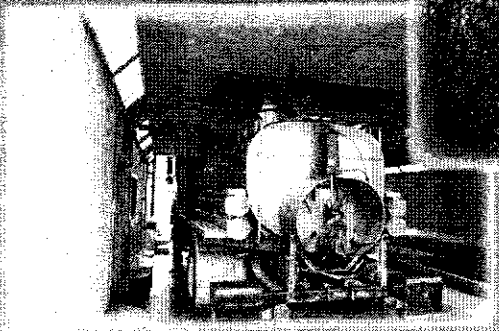


- Adult barrier dam & trap with 30 mile RT truck haul
- Juvenile passage through reservoir outlet
- Mud Mountain Dam 432 ft high
- 5,000 to 40,000 adult fish trucked per year
- 0.5 FTE annual labor requirement

Cowlitz River System

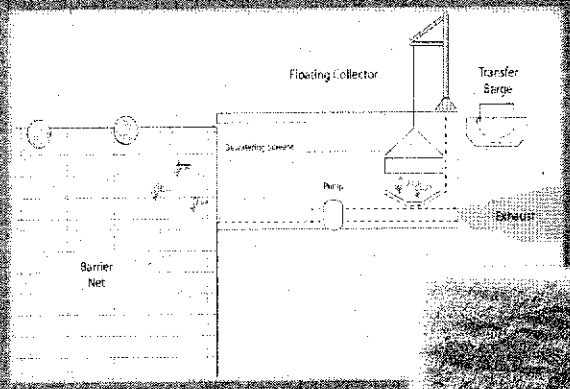


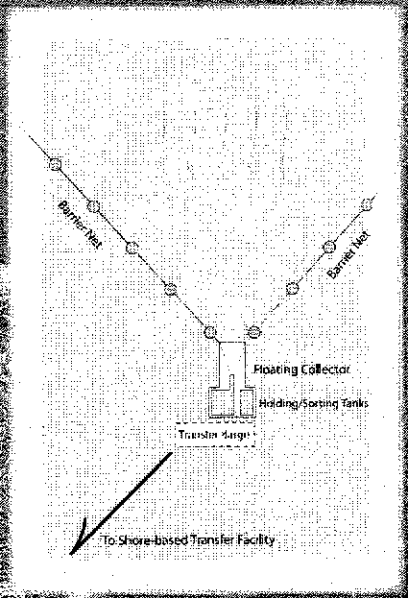


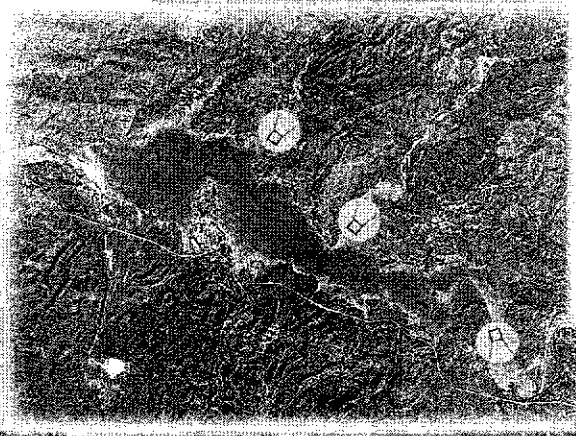


- Adult barrier dam & trap with 120 mile RT truck haul
- Juvenile fixed collector 30 cfs capacity with truck haul
- Mossyrock Dam 606 ft high, largest of 3 dam complex
- 30,000 to 140,000 adult fish trucked per year
- 750,000 to 3,500,000 smolts trucked per year
- 3.5 FTE annual labor requirement

Bradbury Dam

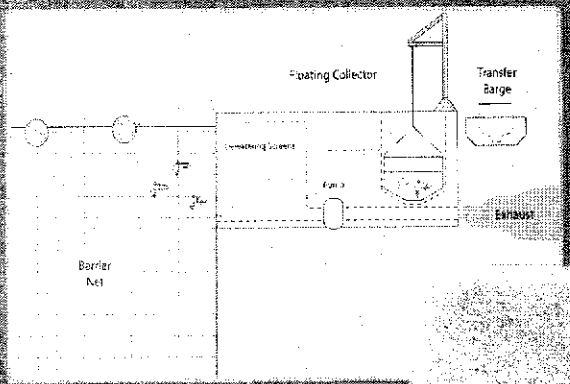


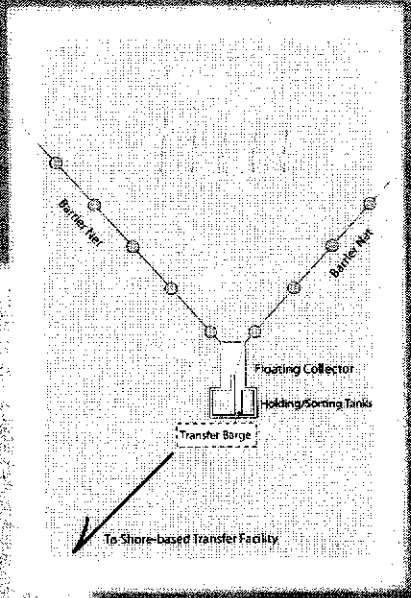


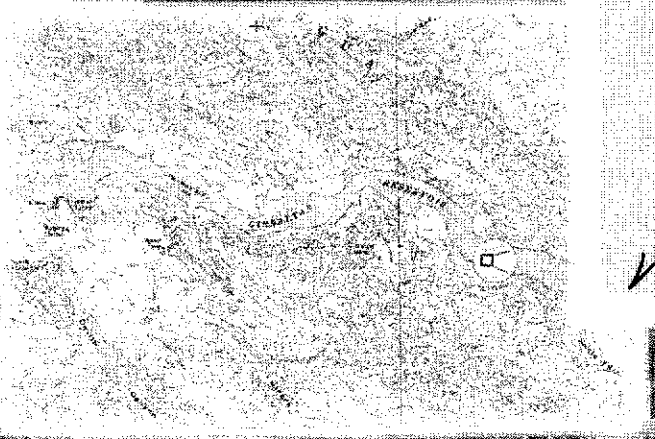


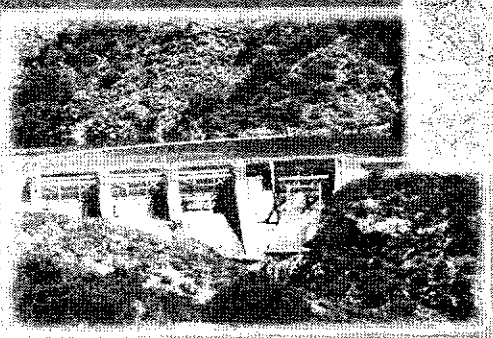
- Adult Passage Options
  - Temporary Trap & Haul
  - Permanent Trap & Haul
- Juvenile Passage Options
  - Fixed Port Collectors at Dam w/ Pumpback
  - Fixed Intake Collectors at Dam w/ Pumpback
  - Floating Collectors at Dam w/ Pumpback
  - Floating Collectors at Tributary Inlets w/ Pumpback
  - Haul Downstream to Release Site

Gibraltar Dam









- Adult Passage Options
  - Temporary Trap & Haul
  - Permanent Trap & Haul
- Juvenile Passage Options
  - Fixed Port Collectors at Dam w/ Pumpback
  - Fixed Intake Collectors at Dam w/ Pumpback
  - Floating Collectors at Dam w/ Pumpback
  - Floating Collectors at Tributary Inlets w/ Pumpback
  - Haul Downstream to Release Site