EXISTING CONDITIONS

OVERALL BIRDS EYE VIEW

GOALS

- **River function** Promote and reclaim historical channel function to improve water quality and wildlife habitat.
- **Floodplain connectivity** Increase the frequency and quality of floodplain connectivity to provide space for floodwaters, water filtration, and storage of sediments and nutrients.
- **Native vegetation** Revegetate with native species to provide wildlife habitat and future sources of large wood for the channel.
- **Habitat for Salmonids** Reclaim access to disconnected off-channel salmonids habitats for spawning, rearing, and refuge.
- **Protect native turtles** Protect and enhance areas used by native turtles for nesting and foraging.

OPPORTUNITY AREAS

Metro inter·fluve GREENWORKS

20+ YEARS INTO THE FUTURE

OVERALL BIRDS EYE VIEW

GOALS

- **River function** Promote and reclaim historical channel function to improve water quality and wildlife habitat.
- **Floodplain connectivity** Increase the frequency and quality of floodplain connectivity to provide space for floodwaters, water filtration, and storage of sediments and nutrients.
- **Native vegetation** Revegetate with native species to provide wildlife habitat and future sources of large wood for the channel.
- **Habitat for Salmonids** Reclaim access to disconnected off-channel salmonids habitats for spawning, rearing, and refuge.
- **Protect native turtles** Protect and enhance areas used by native turtles for nesting and foraging.

OPPORTUNITY AREAS

Metro inter·fluve GREENWORKS

20+ YEARS INTO THE FUTURE

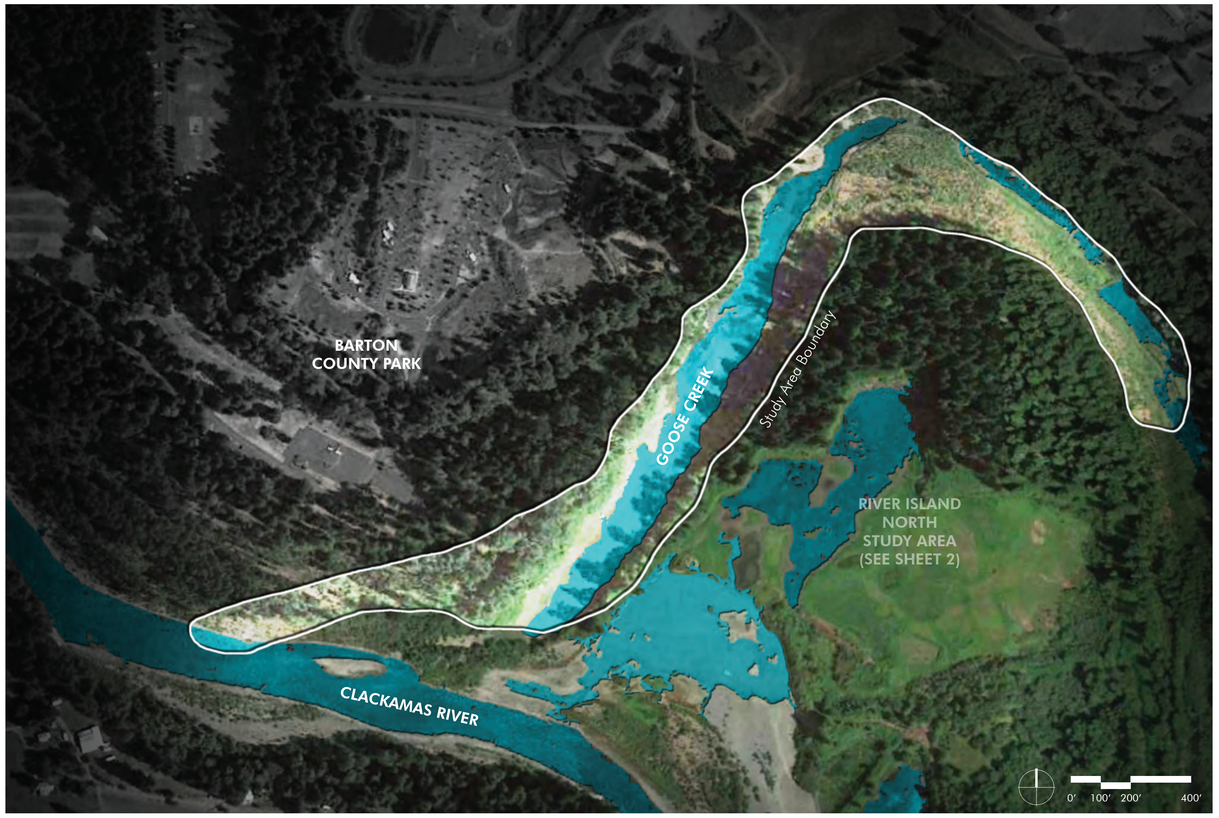
GOOSE CREEK 1

GOALS

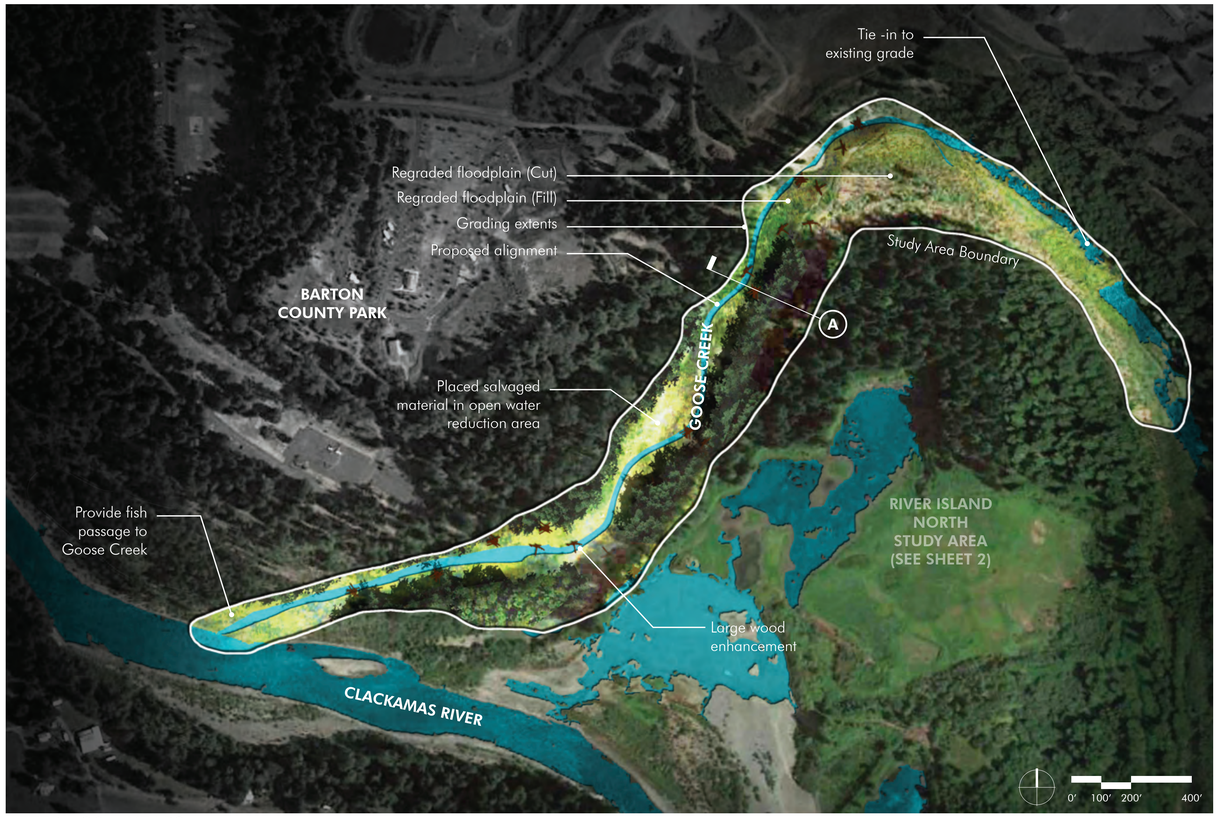
- **Resize Goose Creek** Adjust Goose Creek's size and shape to match its hydrology and reduce temperatures.
- **Create complex habitats** Provide large wood to add cover for salmonid resting and rearing.
- **Reclaim access to Goose Creek** Reconnect access 2.0 miles Goose Creek for salmonid spawning and rearing.

Metro inter·fluve GREENWORKS

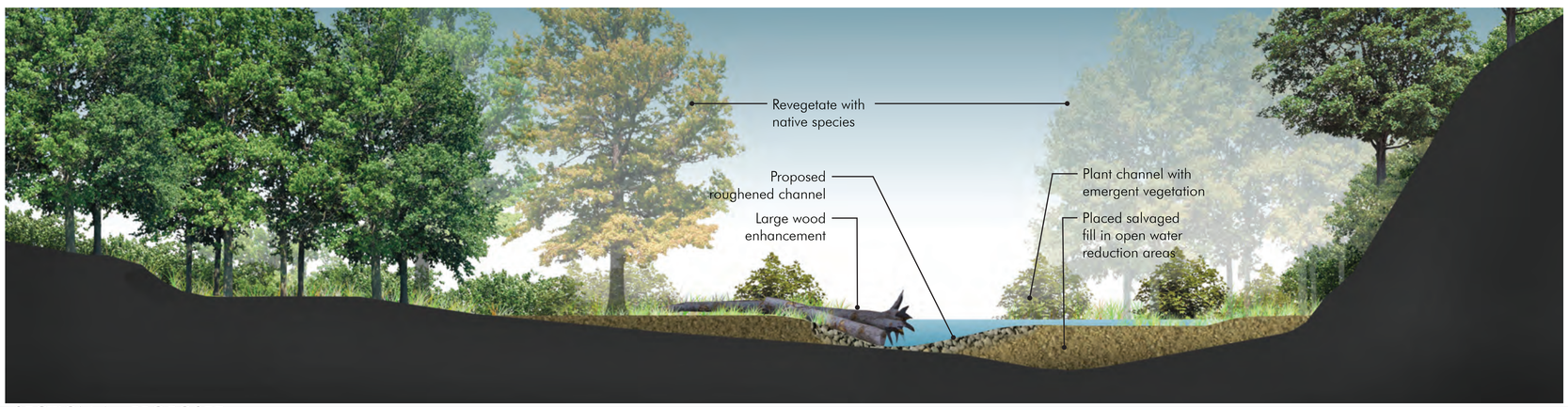
GOOSE CREEK 1



BEFORE



AFTER - 20+ YEARS



SECTION A - PROPOSED

Example treatment - Post construction

GOALS

- **Resize Goose Creek** Adjust Goose Creek's size and shape to match its hydrology and reduce temperatures.
- **Create complex habitats** Provide large wood to add cover for salmonid resting and rearing.
- **Reclaim access to Goose Creek** Reconnect access 2.0 miles Goose Creek for salmonid spawning and rearing.

RIVER ISLAND

Metro inter·fluve GREENWORKS

20+ YEARS INTO THE FUTURE

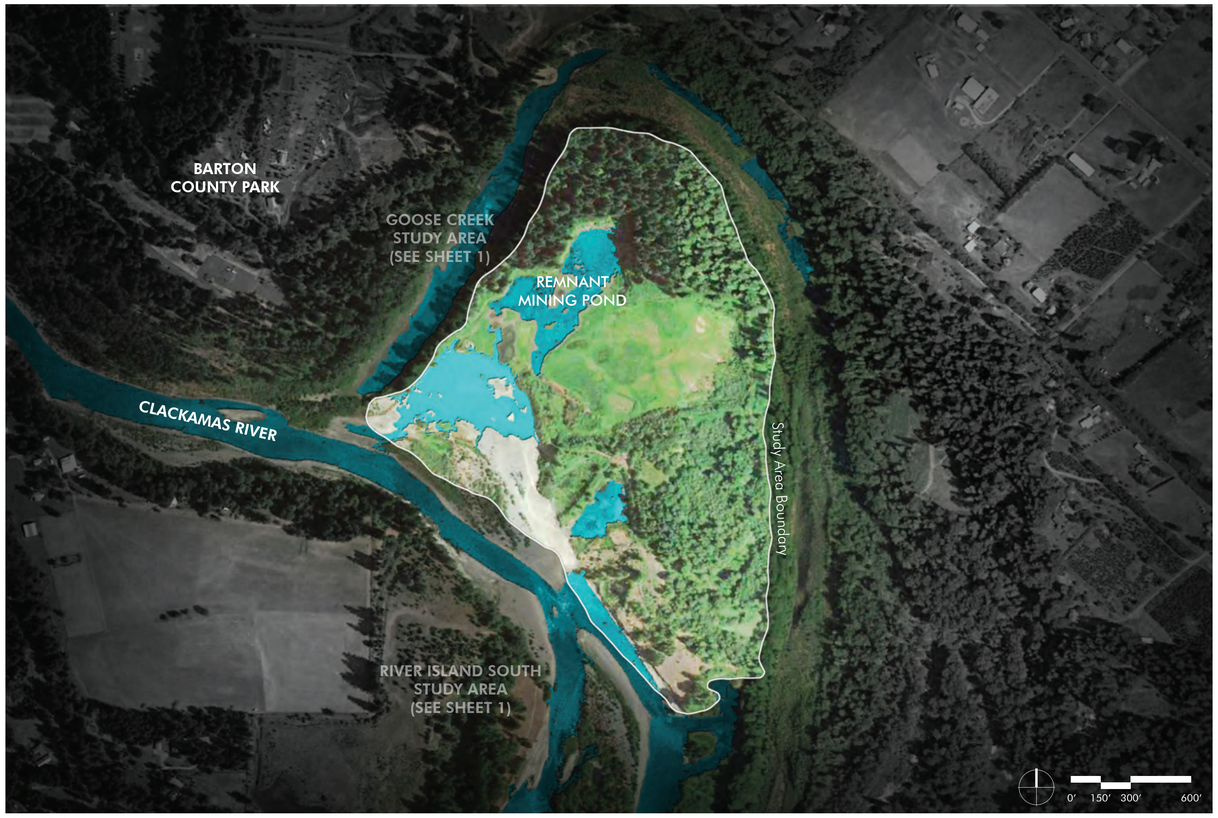
RIVER ISLAND NORTH 2

GOALS

- **Improve water quality** Re-establish floodplain connectivity to provide space for flood waters to dissipate and infiltrate.
- **Reclaim native habitats** Reclaim native floodplain vegetation to provide habitat for fish and wildlife, retention of nutrients, and filtration of fine sediments.
- **Protect threatened turtles** Preserve and enhance selected areas for nesting and basking areas for native turtles.

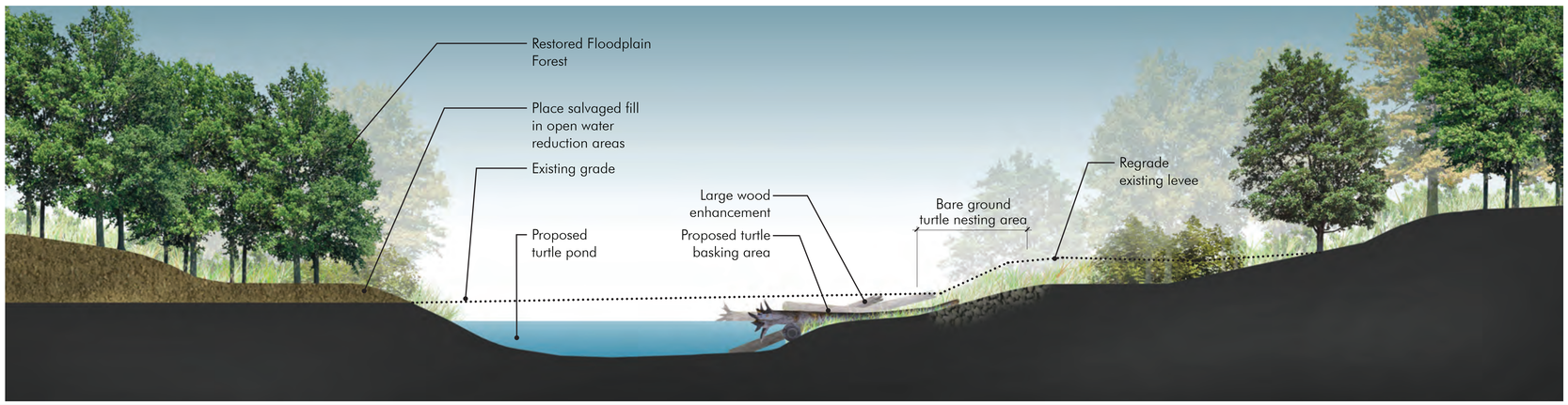
Metro inter·fluve GREENWORKS

RIVER ISLAND NORTH 2



BEFORE

AFTER - 20+ YEARS



SECTION A - PROPOSED

Example Treatment - Turtle pond, Turtle basking logs

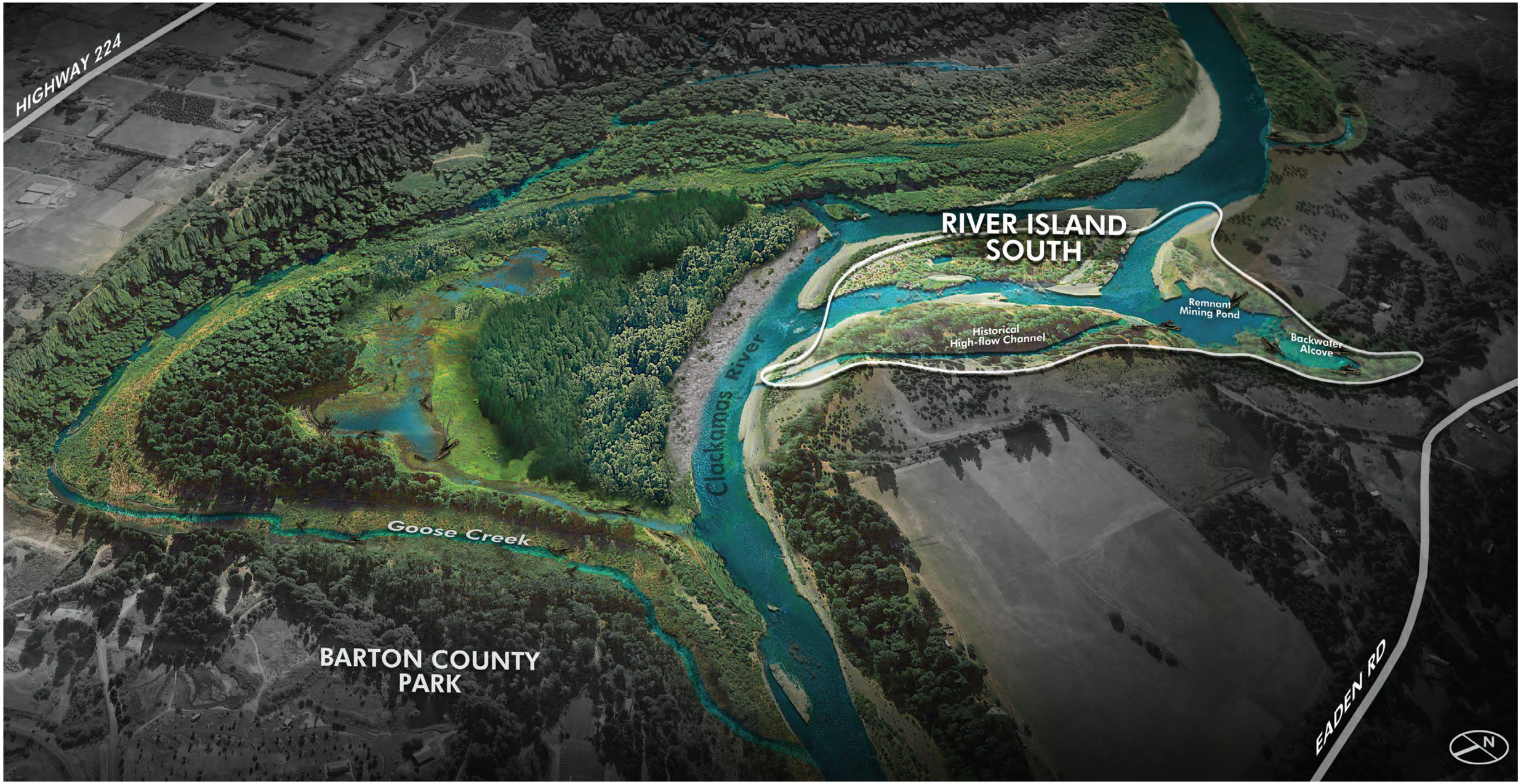
GOALS

- **Improve water quality** Re-establish floodplain connectivity to provide space for flood waters to dissipate and infiltrate.
- **Reclaim native habitats** Reclaim native floodplain vegetation to provide habitat for fish and wildlife, retention of nutrients, and filtration of fine sediments.
- **Protect threatened turtles** Preserve and enhance selected areas for nesting and basking areas for native turtles.

Metro inter·fluve GREENWORKS

20+ YEARS INTO THE FUTURE

RIVER ISLAND SOUTH 3



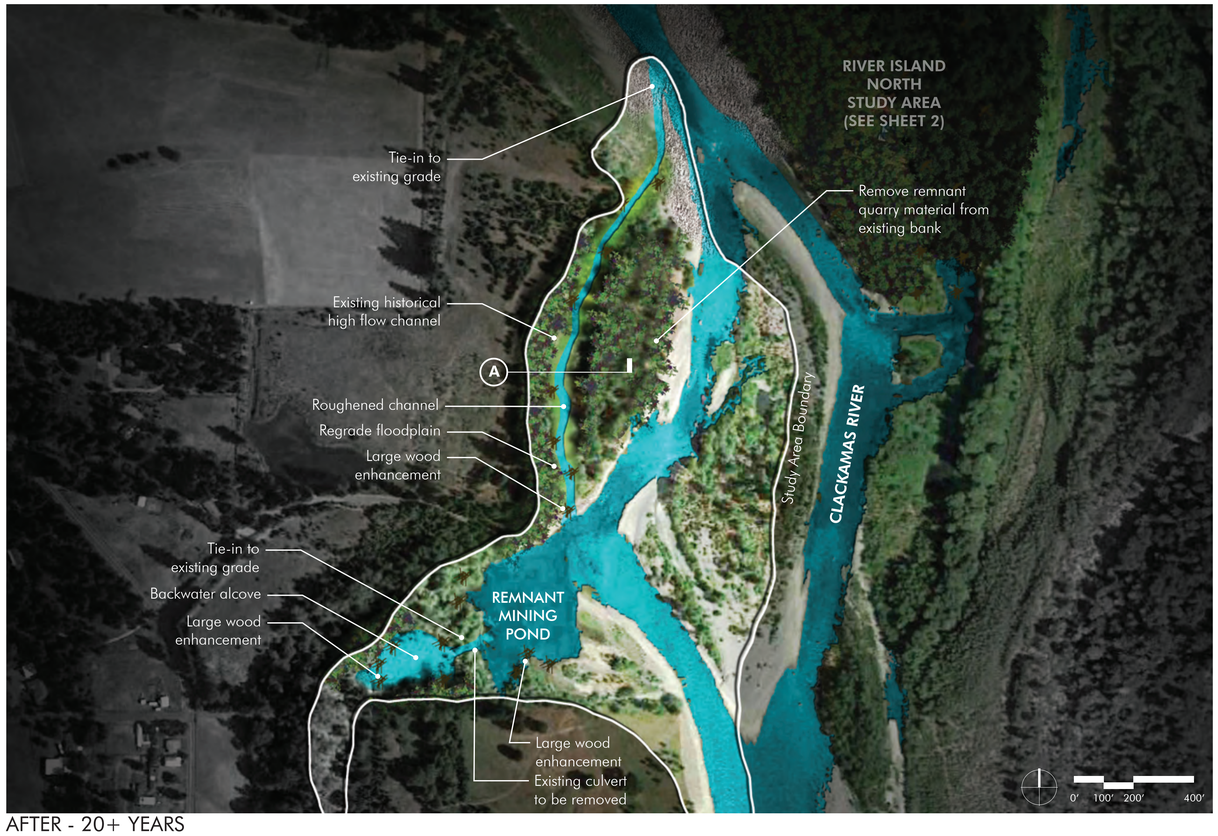
GOALS

- **Restore alcove access** Remove a road and culvert to provide access to off-channel habitat.
- **Provide salmonid refuge** Provide access to lower velocity water during flood events for migratory fish.
- **Add cover** Install large wood to improve natural channel structure and create resting and feeding areas for salmonids.
- **Remove localized mining impacts** Remove remnants of the gravel operation including asphalt, cement, and pilings.

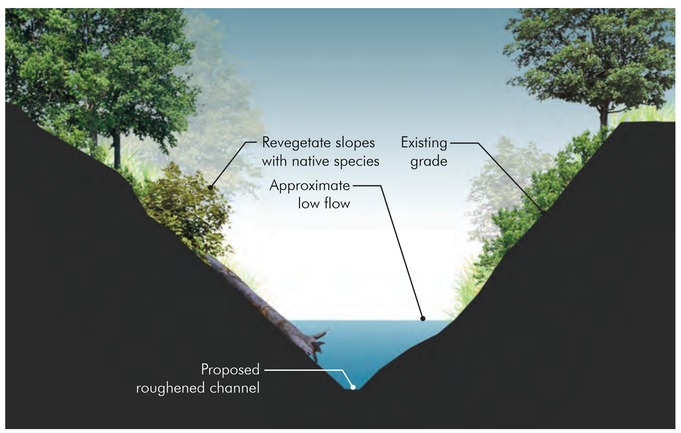
Metro inter·fluve GREENWORKS

RIVER ISLAND SOUTH 3

BEFORE



AFTER - 20+ YEARS



SECTION A - PROPOSED

Example - Post construction

Existing bank with exposed asphalt and concrete

GOALS

- **Restore alcove access** Remove a road and culvert to provide access to off-channel habitat.
- **Provide salmonid refuge** Provide access to lower velocity water during flood events for migratory fish.
- **Add cover** Install large wood to improve natural channel structure and create resting and feeding areas for salmonids.
- **Remove localized mining impacts** Remove remnants of the gravel operation including asphalt, cement, and pilings.

Metro inter·fluve GREENWORKS

20+ YEARS INTO THE FUTURE

SHOE ISLAND 4

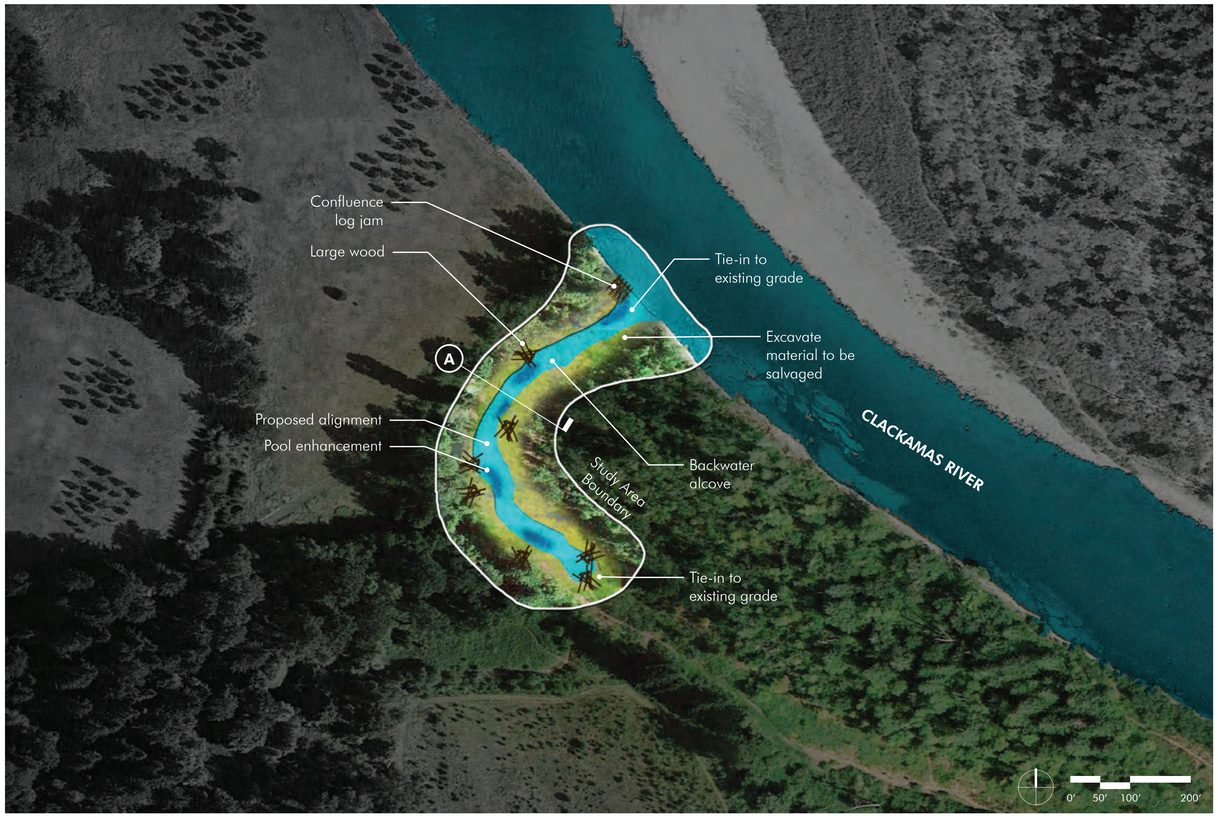
GOALS

- **Restore low flow access** Provide access to low-flow rearing habitat that fluctuates with river levels.
- **Add complexity** Add large wood and pools throughout the Shoe Island channel for salmonid rearing and refuge.
- **High flow refuge** Install large wood and logjams to improve natural channel structure and refuge areas during high flow events.

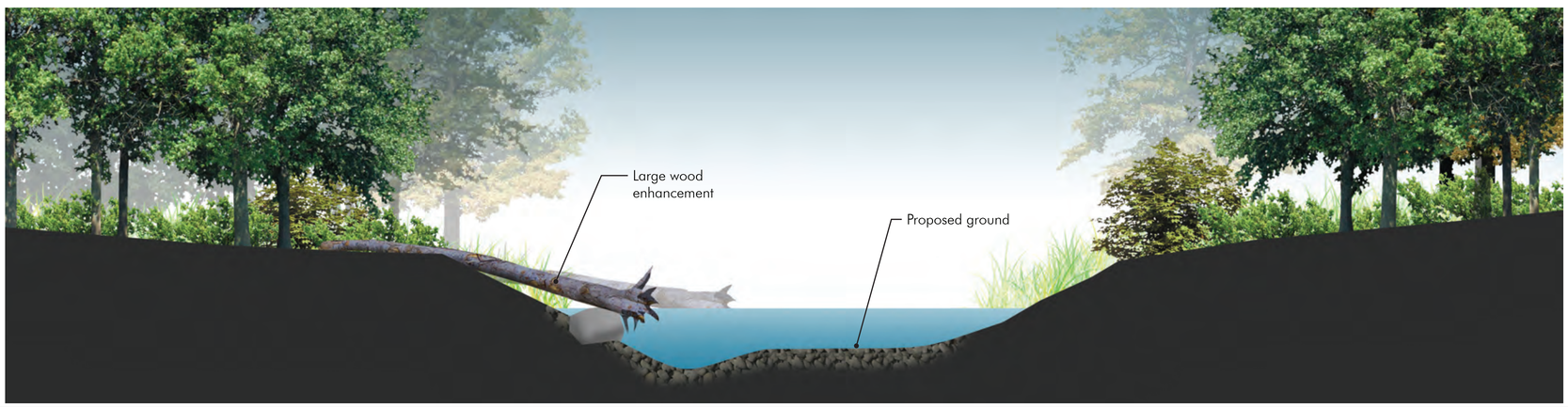
Metro inter·fluve GREENWORKS

SHOE ISLAND 4

BEFORE



AFTER - 20+ YEARS



SECTION A - PROPOSED

Example treatment - Backwater alcove

GOALS

- **Restore low flow access** Provide access to low-flow rearing habitat that fluctuates with river levels.
- **Add complexity** Add large wood and pools throughout the Shoe Island channel for salmonid rearing and refuge.
- **High flow refuge** Install large wood and logjams to improve natural channel structure and refuge areas during high flow events.

Metro inter-fluve GREENWORKS