Appendix D

APPENDIX D:
Stream Photos;
Reach 1, Reach 2, and Reach 3

Reach 1

PHOTO 1

PHOTO 2

DAVID EVANS AND ASSOCIATES INC	City of Woodinville	REACH 1 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
	WOOD0000-0010	1 Start of Reach 1 at mouth of Little Bear Creek. 2 First riffle in Little Bear Creek.
	September 2001	

Gx0315

PHOTO 3

PHOTO 4

DAVID EVANS AND ASSOCIATES INC	City of Woodinville	REACH 1 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
	WOOD0000-0010	3 *View Looking downstream towards the Sammamish River Trail crossing over Little Bear Creek.* 4 *View looking upstream from the downstream side old railroad crossing over Little Bear Creek.*
	September 2001	

Gx0315

PHOTO 5

PHOTO 6

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville

WOOD0000-0010

September 2001

REACH 1 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

5 *View looking upstream at long linear riffle habitat downstream of the NE 178th street crossing.*

6 *View looking upstream at long linear riffle habitat downstream of the NE 178th street crossing*

Gx0315

PHOTO 7

PHOTO 8

DAVID EVANS AND ASSOCIATES INC	City of Woodinville	REACH 1 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
	WOOD0000-0010	7 View looking downstream at the NE 178th Street crossing over Little Bear Creek. 8 View looking upstream immediately above the NE 178th Street crossing
	September 2001	

Gx0315

PHOTO 9

PHOTO 10

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville	REACH 1 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	9 View of series of weirs previously installed by King County.
September 2001	10 View of Reach 1 endpoint at the Hwy 202 crossing over Little Bear Creek

GX0315

Reach 2

PHOTO 1

PHOTO 2

DAVID EVANS AND ASSOCIATES INC

City of Woodinville

WOOD0000-0010

September 2001

REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

1 *View of the Reach 2 start point at the Hwy 202 crossing over Little Bear Creek.*

2 *View of riffle/pool habitat immediately upstream of the Hwy 202 crossing*

GX0315

PHOTO 3

PHOTO 4

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville

WOOD0000-0010

September 2001

REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

3 *View looking upstream at a water deflection device and scour pool.*

4 *View of downstream side of culvert crossing under 132nd Ave. NE.*

Gx0315

PHOTO 5

PHOTO 6

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	5 Close-up of failing deflector and erosion at 132nd Ave. NE culvert crossing. 6 View of stream bank lacking shrub and/or tree cover.
September 2001	

Gx0315

PHOTO 7

PHOTO 8

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	7 View of bank sluffing, and source of debris and sediment at Crane Company.
September 2001	8 View of downstream side of culverts under the 134th Ave. NE crossing

Gx0315

PHOTO 9

PHOTO 10

DAVID EVANS AND ASSOCIATES INC	City of Woodinville	REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
	WOOD0000-0010	9 Typical riffle and riparian condition in Reach 2 upstream of 134th Ave. NE.
	September 2001	10 Mystery culvert that likely only flows during rain events

GX0315

PHOTO 11

PHOTO 12

DAVID EVANS AND ASSOCIATES INC

City of Woodinville

WOOD0000-0010

September 2001

REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

11 Shrubby section of reach dominated by silt and sand

12 Culverted outlet of unnamed tributary.

Gx0315

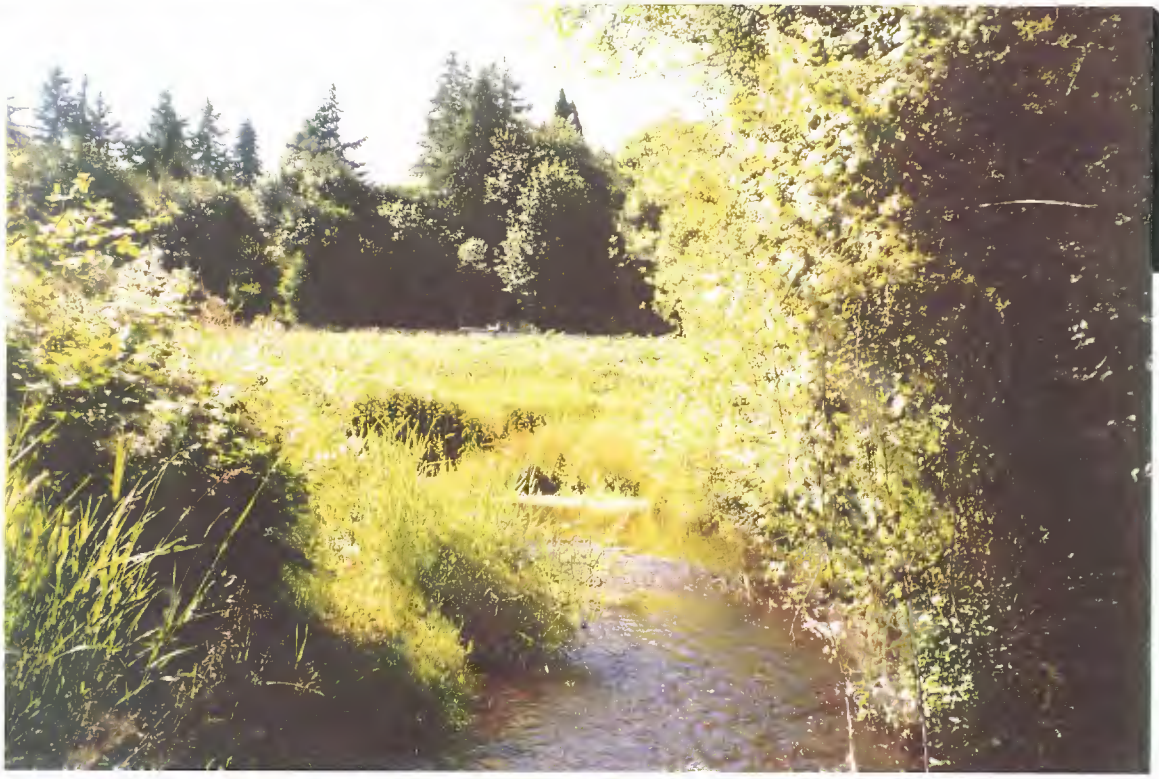

PHOTO 13

PHOTO 14

DAVID EVANS AND ASSOCIATES INC.	City of Woodinville	REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
	WOOD0000-0010	13 View looking upstream towards opening dominated by reed canary grass and Himalayan blackberry between stream and HWY 522.
	September 2001	14 Large pipe crossing over Little Bear creek.

Gx0315

PHOTO 15

PHOTO 16

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville	REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	15 Typical riffle habitat and dominant non-native species along left bank. 16 Additional view of riffle and riparian condition.
September 2001	

GX0315

PHOTO 17

PHOTO 18

DAVID EVANS AND ASSOCIATES INC	City of Woodinville	REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
	WOOD0000-0010	17 Stormwater/detention pond outlet.
	September 2001	18 Long and wide riffle potentially suitable for spawning.

Gx0315

PHOTO 19

PHOTO 20

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	19 Right-bank (RB) unnamed tributary between creek and HWY 522. 20 Downstream side of culvert under HWY 522. Note smaller culvert along right side of photo.
September 2001	

Gx0315

PHOTO 21

PHOTO 22

DAVID EVANS AND ASSOCIATES INC	City of Woodinville	REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
	WOOD0000-0010	21 Close-up of culvert opening of unnamed tributary. 22 Inside of downstream side of culvert under HWY 522
	September 2001	

Gx0315

PHOTO 23

PHOTO 24

DAVID EVANS AND ASSOCIATES INC.	City of Woodinville	REACH 2 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
	WOOD0000-0010	23 Upstream side of culverts under HWY 522 at Reach 2 endpoint.
	September 2001	24 Inside upstream side of culvert under HWY 522

GX0315

Reach 3

PHOTO 1

PHOTO 2

DAVID EVANS AND ASSOCIATES INC

City of Woodinville

WOOD0000-0010

September 2001

REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

1 *Upstream side of culverts under HWY 522 at Reach 3 starting point.*

2 *Small unnamed tributary immediately upstream of HWY 522.*

GX0315

PHOTO 3

PHOTO 4

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	3 Riffle habitat upstream of HWY 522.
September 2001	4 Cleared lawn along RB immediately downstream of 195th Street.

GX0315

PHOTO 5

PHOTO 6

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	5 Sluffing bank between creek and HWY 522 on-ramp from 195th Street southbound.
September 2001	6 View of stream bank armoring and rip/rap weirs near Reach 3 starting point.

GX0315

PHOTO 7

PHOTO 8

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville

WOOD0000-0010

September 2001

REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

7 *Additional armoring and weirs immediately downstream of 195th Street.*

8 *Garter snakes at 195th Street.*

Gx0315

PHOTO 9

PHOTO 10

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville	REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	9 View looking upstream. 10 View looking downstream at 195th Street.
September 2001	

Gx0315

PHOTO 11

PHOTO 12

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville

REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

WOOD0000-0010

September 2001

11 View looking upstream from 195th Street.

12 Riffle habitat near upstream end of long-linear-armored section.

Gx0315

PHOTO 13

PHOTO 14

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville

WOOD0000-0010

September 2001

REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

13 *Raw bank around first large pool upstream of 195th Street*

14 *View of left bank of pool dominated by introduced species.*

Gx0315

PHOTO 15

PHOTO 16

DAVID EVANS AND ASSOCIATES INC.	City of Woodinville	REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
	WOOD0000-0010	15 Debris with signs of beaver chew markings. 16 Beaver path into and out of Little Bear Creek
	September 2001	

Gx0315

PHOTO 17

PHOTO 18

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	17 View of increasing upstream canopy cover. 18 Armoring and introduced species as creek nears HWY 522.
September 2001	

GX0315

PHOTO 19

PHOTO 20

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville

WOOD0000-0010

September 2001

REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

19 View of dominant reed canary grass.

20 Close-up of small, unnamed right-bank tributary.

GX0315

PHOTO 21

PHOTO 22

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	21 View of old cedar stump near small, unnamed right-bank tributary. 22 Old, abandoned bridge over Little Bear Creek.
September 2001	

GX0315

PHOTO 23

PHOTO 24

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville

WOOD0000-0010

September 2001

REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

23 *Debris cuttings discarded into stream.*

24 *One of few adjacent wetlands able to provide refuge during storm events*

GX0315

PHOTO 25

PHOTO 26

DAVID EVANS AND ASSOCIATES INC

City of Woodinville

WOOD0000-0010

September 2001

REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

25 *Increasing abundance of conifers in upper section of Reach 3.*

26 *Big-leaf maple providing in-stream structure.*

Gx0315

PHOTO 27

PHOTO 28

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	27 Riffle habitat and hose crossing near Reach 3 endpoint
September 2001	28 View of last house along Reach 3.

Gx0315

PHOTO 29

PHOTO 30

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	29 View of Reach 3 endpoint at downstream side of 205th Street.
September 2001	30 View of last pool from endpoint at 205th Street.

Gx0315

PHOTO 31

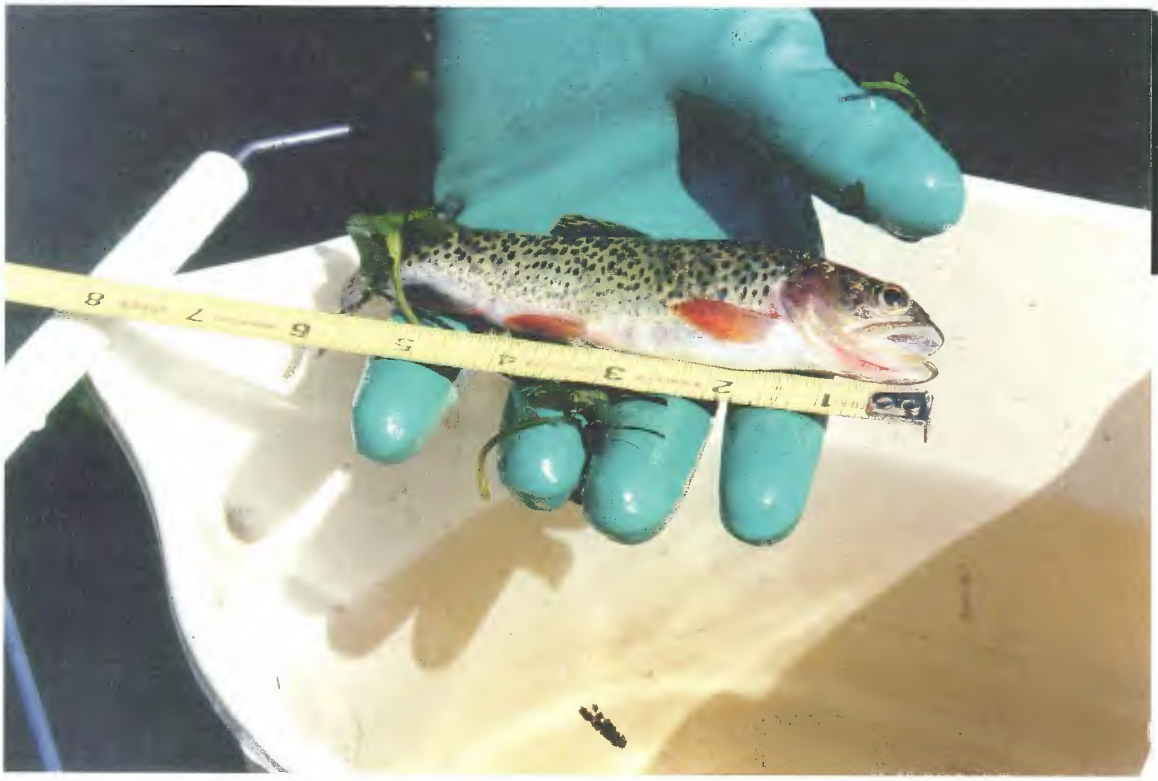

PHOTO 32

DAVID EVANS AND ASSOCIATES INC

City of Woodinville	REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT
WOOD0000-0010	31 Total fish sample captured near Reach 3 endpoint.
September 2001	32 Close-up of cutthroat trout from Reach 3.

Gx0315

PHOTO 33

PHOTO 34

DAVID EVANS AND ASSOCIATES INC.

City of Woodinville

WOOD0000-0010

September 2001

REACH 3 - LITTLE BEAR CREEK CORRIDOR HABITAT ASSESSMENT

33 *Spawning sockeye in pool tailout immediately downstream of 205th Street.*

34 *Spawning sockeye in pool tailout immediately downstream of 134th Avenue NE.*

Gx0315