

**Exhibit E: Estimated future with and without project
conditions at proposed mitigation sites, Columbia
River Channel Improvement Study**

Joslin Property - 124.4 acres:

Habitat Acreage: See attached spreadsheet for with (mitigation) and without project habitat acreage's.

Present Use: The site is currently used for pastureland; grazed wetlands and riparian habitats are present. There is one residence on the property.

Future Without Project: Estimate that site will remain in present use pattern for the project life, e.g., 50 years. Residences/outbuildings will remain on site.

Future With Project: Site would be managed for wildlife mitigation purposes including development of 28.7 acres of riparian/riparian associated early successional habitat, 34.1 acres of improved riparian associated habitat and development/improvement of 50.5 acres of wetland habitat.

HEP Analysis: All HEP target species were evaluated for this mitigation location as riparian, wetland and agricultural habitats were present.. The Amphibian Associated Habitat HSI values were used for those lands within 200m of a wetland, drainage ditch, or backwater channel. Acreage by target year and HSI values by species and target year are reported in the spreadsheet for this mitigation location.

Sauvie 94 - 204.5 acres:

Habitat Acreage: See attached spreadsheet for with (mitigation) and without project habitat acreage's.

Present Use: Row crop and cereal grain production; pastureland; grazed wetlands, 2 residences and outbuildings.

Future Without Project: Estimate that site will remain agricultural land for project life, e.g., 50 years. Cropping pattern will remain cereal grain and row crop rotation over 50 year project life; balance of lands will be grazed by livestock and residences/outbuildings remain.

Future With Project: Site would be managed for wildlife mitigation purposes including development of 116 acres of Canada goose forage crop, 7.5 acres of riparian early successional habitat, 12.6 acres of improved riparian associated habitat and development/improvement of 68.4 acres of wetland habitat.

HEP Analysis: All HEP target species were evaluated for this mitigation location as riparian, wetland and agricultural habitats were present.. The Amphibian Associated Habitat HSI values were used for those lands within 200m of a wetland, drainage ditch, or backwater channel. Acreage by target year and HSI values by species and target year are reported in the spreadsheet for this mitigation location.

Vancouver Lowlands - 288 acres:

Habitat Acreage: See attached spreadsheet for with (mitigation) and without project habitat acreage's.

Present Use: Row crop and cereal grain production.

Future Without Project: Estimate that site will remain agricultural land for project life, e.g., 50 years. Cropping pattern will remain cereal grain and row crop rotation over 50 year project life.

Future With Project: Site would be managed for wildlife mitigation purposes including development of 273 acres of Canada goose forage crop.

HEP Analysis: HEP target species for agricultural lands were evaluated for this mitigation location. The Amphibian Associated Habitat HSI values were used for those lands within 200m of a wetland, drainage ditch, or backwater channel. Acreage by target year and HSI values by species and target year are reported in the spreadsheet for this mitigation location.

Burke Island - 245.6 acres:

Habitat Acreage: See attached spreadsheet for with (mitigation) and without project habitat acreage's.

Present Use: Row crop and cereal grain production; pastureland; grazed wetlands..

Future Without Project: Estimate that site will remain agricultural land for project life, e.g., 50 years. Cropping pattern will remain cereal grain and row crop rotation over 50 year project life; portion of lands will be grazed by livestock.

Future With Project: Site would be managed for wildlife mitigation purposes including development of 121.2 acres of riparian associated early successional habitat, and development/improvement of 42.3 acres of wetland habitat.

HEP Analysis: All HEP target species were evaluated for this mitigation location as riparian, wetland and agricultural habitats were present.. The Amphibian Associated Habitat HSI values were used for those lands within 200m of a wetland, drainage ditch, or backwater channel. Acreage by target year and HSI values by species and target year are reported in the spreadsheet for this mitigation location.

Woodland Bottoms - 284.4 acres:

Habitat Acreage: See attached spreadsheet for with (mitigation) and without project habitat acreage's.

Present Use: The site is currently used for row crop production and as pastureland; grazed wetland habitat is also present. One barn is located on the property.

Future Without Project: Estimate that site will remain agricultural land for project life, e.g., 50 years. Lands will be grazed by livestock and row crop production would continue.

Future With Project: Site would be managed for wildlife mitigation purposes including development of 117.76 acres of Canada goose forage crop, 72.7 acres of riparian associated early successional habitat, 3.3 acres of improved riparian associated habitat and development/improvement of 88.9 acres of wetland habitat.

HEP Analysis: All HEP target species were evaluated for this mitigation location as riparian, wetland and agricultural habitats were present.. The Amphibian Associated Habitat HSI values were used for those lands within 200m of a wetland, drainage ditch, or backwater channel. Acreage by target year and HSI values by species and target year are reported in the spreadsheet for this mitigation location.

Martin Island - 378.3 acres:

Habitat Acreage: See attached spreadsheet for with (mitigation) and without project habitat acreage's.

Present Use: The site is currently used for pastureland; grazed wetland and riparian forest habitat is also present. One former residence is located on the property.

Future Without Project: Estimate that site will remain agricultural land for project life, e.g., 50 years. Lands will be grazed by livestock.

Future With Project: Site would be managed for wildlife mitigation purposes including development of 98.3 acres of riparian associated early successional habitat, 73.4 acres of improved riparian associated habitat, 61.1 acres of riparian early successional habitat, , 10.8 acres of improved riparian habitat, development of 32.1 acres of intertidal marsh and improvement of 6.9 acres of wetland habitat.

HEP Analysis: All HEP target species were evaluated for this mitigation location as riparian, wetland and agricultural habitats were present.. The Amphibian Associated Habitat HSI values were used for those lands within 200m of a wetland, drainage ditch, or backwater channel. Acreage by target year and HSI values by species and target year are reported in the spreadsheet for this mitigation location.

Webb Property - 145.6 acres:

Habitat Acreage: See attached spreadsheet for with (mitigation) and without project habitat acreage's.

Present Use: The site is currently used for pastureland and was classified as farmed wetland habitat. One old barn is located on the property.

Future Without Project: Estimate that site will remain agricultural land for project life, e.g., 50 years. Lands will be grazed by livestock.

Future With Project: Site would be managed for wildlife mitigation purposes including development of 41 acres of riparian associated early successional habitat, 1.1 acres of improved riparian associated habitat, and development/improvement of 101 acres of wetland habitat.

HEP Analysis: All HEP target species were evaluated for this mitigation location as riparian, wetland and agricultural habitats were present.. The Amphibian Associated Habitat HSI values were used for those lands within 200m of a wetland, drainage ditch, or backwater channel. Acreage by target year and HSI values by species and target year are reported in the spreadsheet for this mitigation location.

Vik Property - 112 acres:

Habitat Acreage: See attached spreadsheet for with (mitigation) and without project habitat acreage's.

Present Use: The site is currently used for pastureland and was classified as grazed wetland habitat. One old barn is located on the property.

Future Without Project: Estimate that site will remain agricultural land for project life, e.g., 50 years. Lands will be grazed by livestock.

Future With Project: Site would be managed for wildlife mitigation purposes including development of 76.2 acres of riparian associated early successional habitat and development/improvement of 32.8 acres of wetland habitat.

HEP Analysis: All HEP target species were evaluated for this mitigation location as riparian, wetland and agricultural habitats were present. The Amphibian Associated Habitat HSI values were used for those lands within 200m of a wetland, drainage ditch, or backwater channel. Acreage by target year and HSI values by species and target year are reported in the spreadsheet for this mitigation location.

Svensen Island - 284.3 acres:

Habitat Acreage: See attached spreadsheet for with (mitigation) and without project habitat acreage's.

Present Use: The site is currently used for pastureland and was classified as grazed wetland habitat. Several residences and outbuildings are located on the property.

Future Without Project: Estimate that site will remain agricultural land for project life, e.g., 50 years. Lands will be grazed by livestock.

Future With Project: Site would be managed for wildlife mitigation purposes including development of 268.4 acres of intertidal marsh habitat and 13.5 acres of riparian early successional habitat.

HEP Analysis: All HEP target species were evaluated for this mitigation location as riparian, wetland and agricultural habitats were present. The Amphibian Associated Habitat HSI values were used for those lands within 200m of a wetland, drainage ditch, or backwater channel. Acreage by target year and HSI values by species and target year are reported in the spreadsheet for this mitigation location.

