UPPER COLUMBIA RIVER

Quality Assurance Project Plan for the 2009 Beach Sediment Study Amendment No. 1

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SECTION A: PROJECT MANAGEMENT

A1 TITLE AND APPROVAL SHEET

QUALITY ASSURANCE PROJECT PLAN FOR THE 2009 BEACH SEDIMENT STUDY AMENDMENT NO. 1

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A3 DISTRIBUTION LIST

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A4 INTRODUCTION

A4.1 Introduction

This amendment outlines proposed sampling plan modifications to five beaches as outlined within the March 2009 beach sediment study quality assurance project plan (QAPP). The modifications outlined herein are limited to targeting suitable fine-grain sediment substrate at five beaches outlined and approved per the March 2009 QAPP. The five beaches include: 1) Dalles Orchard, 2) China Bend, 3) Summer Island, 4) Barnaby Island, and 5) Northport Boat Launch.

All other aspects associated with field sampling and handling procedures, laboratory analysis, Quality Assurance/Quality Control (QA/QC) measures, and data validation activities remain unchanged from the approved QAPP (March 2009).

A4.2 Modifications

With the exception of Dalles Orchard and the Northport Boat Launch where the sampling design for surface samples will be modified from five composites of 12 samples per composite (5×12) to three composites of 12 samples per composite (3×12), the sampling design remains unchanged from the March 2009 QAPP for China Bend, Summer Island, and Barnaby Island. The only required modification at China Bend, Summer Island, and Barnaby Island is to refine the sampling area (i.e., polygon) to encompass fine-grained sediments as illustrated within Figures A-1, A-2, and A-3, respectively. Due to their relatively small size the sampling grid at Dalles Orchard and the Northport Boat Launch was redesigned to 3×12 and as illustrated within Figures A-4 and A-5, respectively.

SECTION B: REFERENCES

Teck American Incorporated. 2008. Upper Columbia River: Quality Assurance Project Plan for the 2009 Beach Sediment Study. Prepared for Teck American Incorporated. March, 2008. Integral Consulting Inc., Seattle, WA, and Parametrix, Bellevue, WA.

FIGURES







