INTRODUCTION

This Middle Fork John Day Atlas provides a compendium of GIS-based maps produced from data compiled and collected for the John Day River Tributary Assessments, Grant County, Oregon (Reclamation, 2008). The assessment area covers 23 miles of the Middle Fork John Day River and about 0.5 miles of Clear Creek near its confluence with the Middle Fork. The assessment area was divided into 15 panels for the generation of this Atlas as follows:

- Middle Fork Panel 1: Reaches MF1 and MF2 (downstream); River Miles 48 to 49.5
- Middle Fork Panel 2: Reach MF2 (upstream); River Miles 49.5 to 51
- Middle Fork Panel 3: Reach MF3; River Miles 51 to 52.7
- Middle Fork Panel 4: Reach MF 4; River Miles 52.7 to 53.9
- Middle Fork Panel 5: Reaches MF5 and MF6; River Miles 53.9 to 55.6
- Middle Fork Panel 6: Reaches MF7 and MF8 (downstream); River Miles 55.6 to 57
- Middle Fork Panel 7: Reach MF8 (upstream); River Miles 57 to 58
- Middle Fork Panel 8: Reaches MF9 and MF10 (downstream); River Miles 58 to 59.5
- Middle Fork Panel 9: Reach MF10 (upstream); River Miles 59.5 to 60.8
- Middle Fork Panel 10: Reach MF11; River Miles 60.8 to 62.5
- Middle Fork Panel 11: Reaches MF12 and MF13 (downstream); River Miles 62.5 to 64.5
- Middle Fork Panel 12: Reach MF13 (central); River Miles 64.5 to 66
- Middle Fork Panel 13: Reaches MF13 (upstream) and MF14; River Miles 66 to 67.7
- Middle Fork Panel 14: Reaches MF15, MF16, and CC1; River Miles 67.7 to 69
- Middle Fork Panel 15: Reaches MF17, MF18, MF19, and MF20; River Miles 69 to 70.8

Within the Atlas, GIS data were organized to illustrate mapping efforts for the following categories:

- Geology
- Human Features
- Vegetation
- Historic Channel Locations
- Potential Project Areas on the Forest and Oxbow Conservation Properties

This Atlas also includes several general maps that cover the entire assessment area (maps 1-3).

Metadata for GIS-based mapping are provided in the related GIS files, which are included on the DVD that accompanies the Tributary Assessments report. The Middle Fork John Day Atlas was generated by Kurt Wille in the Sedimentation and River Hydraulics Group at the Technical Service Center of the Bureau of Reclamation.
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Map of the John Day River Tributary Assessments, showing historical low-flow channels and possible channel reconnection projects for Middle Fork. The map includes a legend showing symbols for river miles, channel low flow, and possible channel reconnections. The map focuses on the geographical area of the river and its tributaries.
The low surface boundary around Clear Creek was estimated based on locations of bedrock. Historical channels outside of the low surface are due to slight errors in rectification of aerial photos and interpretation of channel positions from those photos.