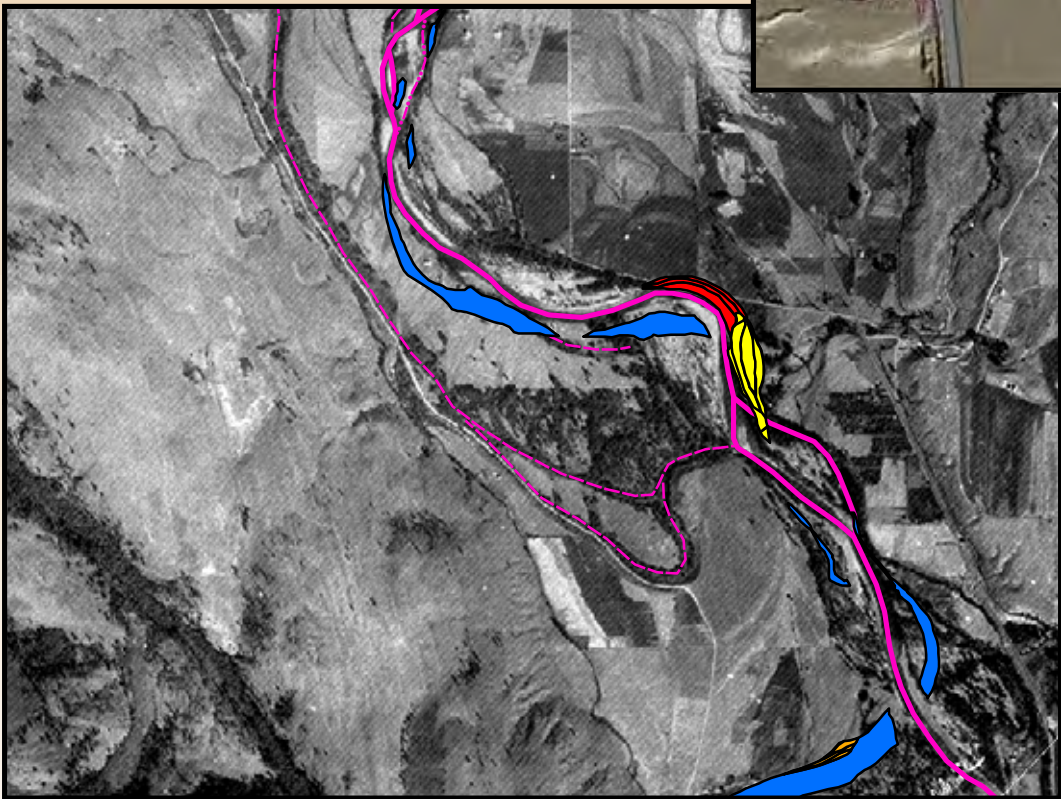


***Methow Subbasin Geomorphic Assessment,
Okanogan County, Washington: Map Atlas***



INTRODUCTION

This *Methow Atlas* provides a compendium of GIS-based maps produced from data compiled and collected for the *Methow Subbasin Geomorphic Assessment, Okanogan County, Washington* (Reclamation, 2008). The study area for the assessment covers about 80 miles of rivers and tributaries within the Methow Subbasin. The four river-valley segments in the assessment area are represented by ten panels in the *Atlas* as follows:

- Middle Methow River MM-1 (river miles 26 to 36)
- Middle Methow River MM-2 (river miles 35 to 45)
- Middle Methow River MM-3 (river miles 44 to 54)
- Upper Methow River UM-4 (river miles 54 to 61)
- Upper Methow River UM-5 (river miles 60 to 67)
- Upper Methow River UM-6 (river miles 67 to 75)
- Twisp River T-7 (river miles 0 to 8.5)
- Twisp River T-8 (river miles 7.5 to 18)
- Chewuch River C-9 (river miles 0 to 9.5)
- Chewuch River C-10 (river miles 6.5 to 15)

Each panel includes a set of five maps showing GIS data for the following parameters:

- Geology
- Historic Channel Locations
- Human Features
- Vegetation
- Spawning Sites and Data Collection Sites.

This *Atlas* also includes several general maps that cover the entire assessment area (maps 1-4). In addition, maps 55-60 show the coverage area of historical aerial photographs for 1945, 1948, 1954, 1964, 1974, 1998 and 2004.

The Metadata for GIS-based mapping is provided in the *Methow Subbasin Geomorphic Assessment, Okanogan County, Washington: Technical Appendices* (Reclamation, 2008) (Appendix Q) and in the related GIS files, which are provided on the DVD that accompanies the *Geomorphic Assessment* report. The *Methow Atlas* was generated by Kurt Wille in the Sedimentation and River Hydraulics Group at the Technical Service Center of the Bureau of Reclamation.

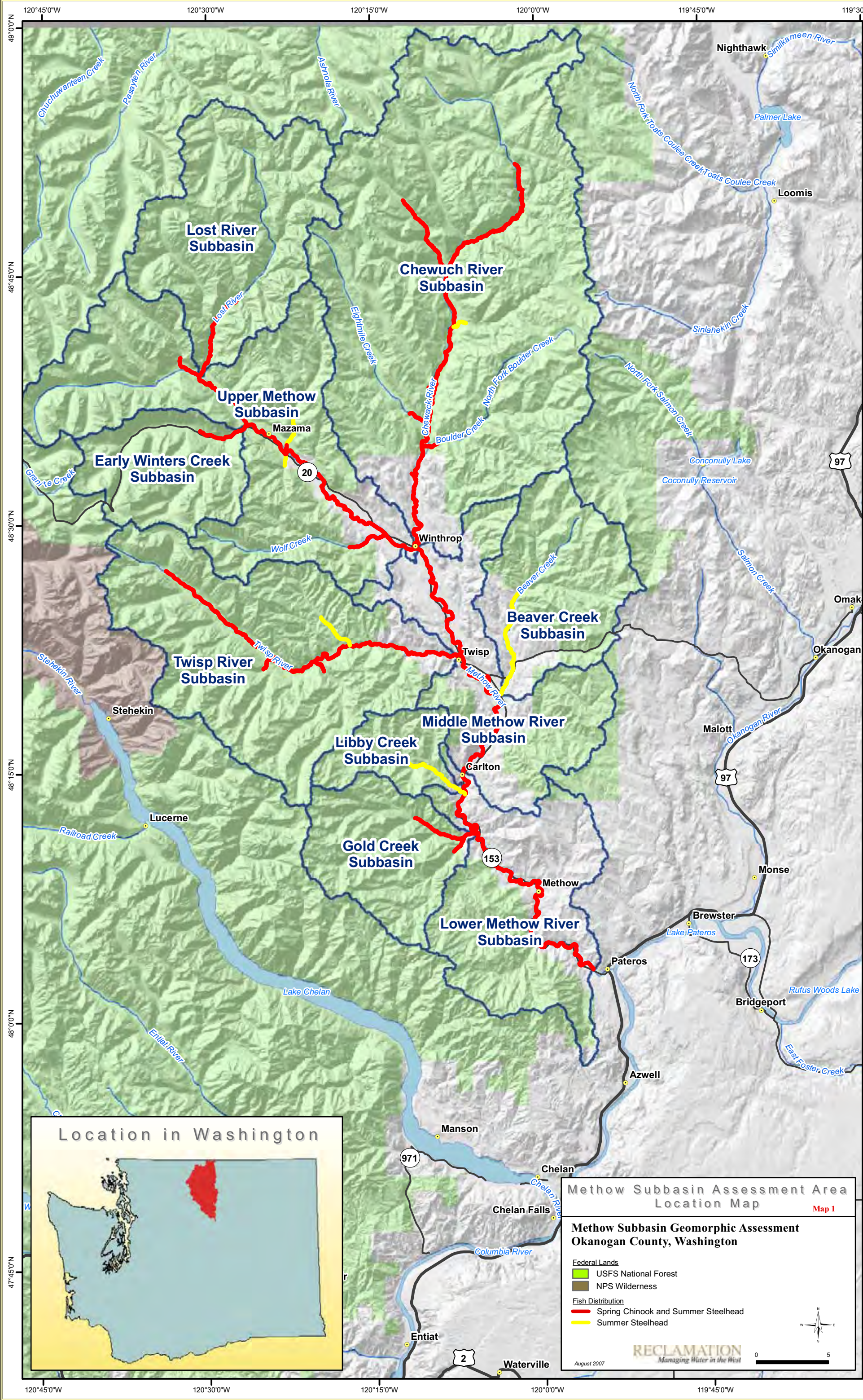
MAP INDEX

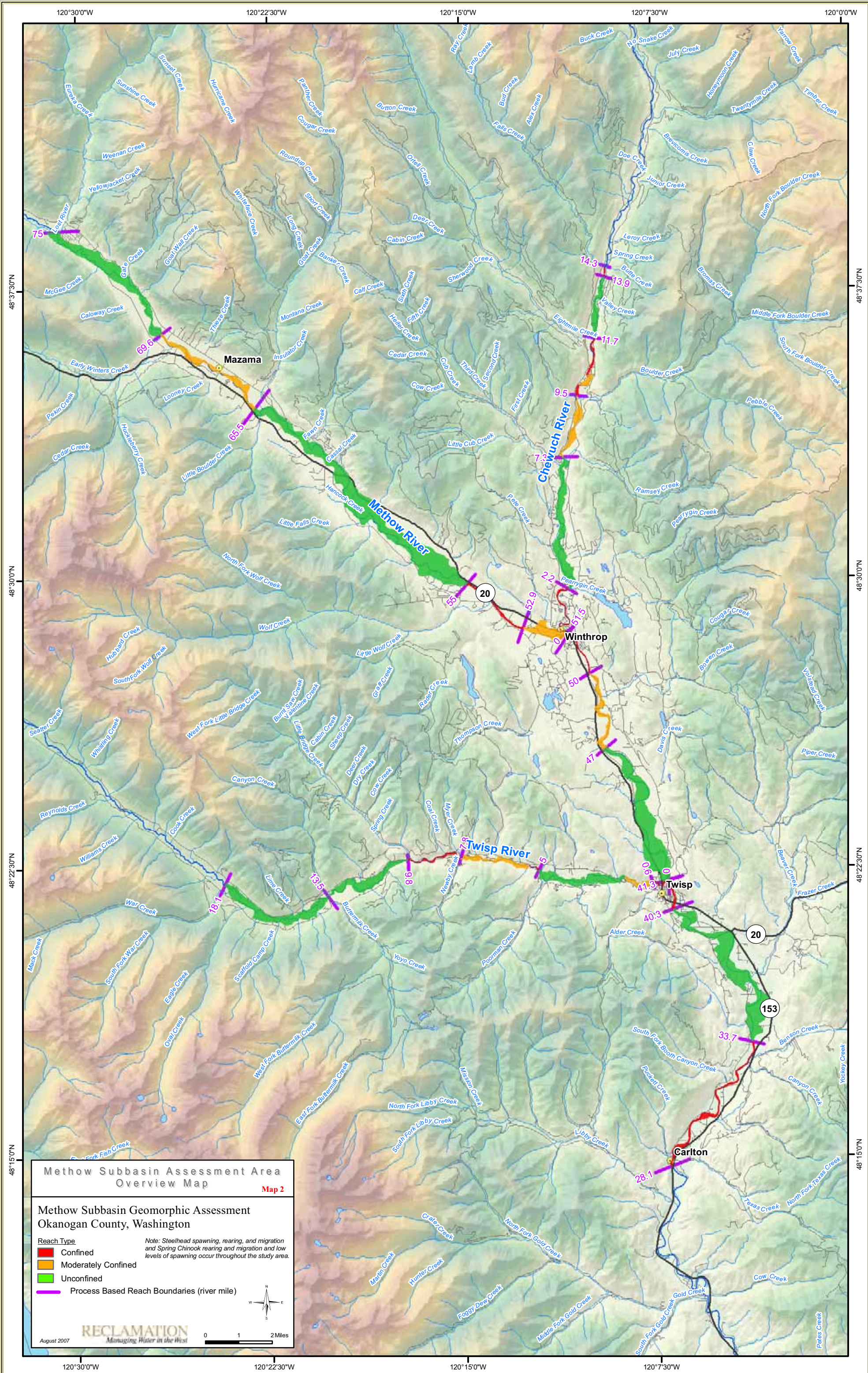
Map Number	Title
01	Methow Subbasin Assessment Area Location Map
02	Methow Subbasin Assessment Area Overview Map
03	Methow Subbasin Assessment Area Potential Project Areas
04	Map Panel Index 1:30,000 Scale
05	Panel MM1 - Geology
06	Panel MM1 - Historic Channel Locations
07	Panel MM1 - Human Features
08	Panel MM1 - Vegetation
09	Panel MM1 - Spawning Sites and Data Collection Sites
10	Panel MM2 - Geology
11	Panel MM2 - Historic Channel Locations
12	Panel MM2 - Human Features
13	Panel MM2 - Vegetation
14	Panel MM2 - Spawning Sites and Data Collection Sites
15	Panel MM3 - Geology
16	Panel MM3 - Historic Channel Locations
17	Panel MM3 - Human Features
18	Panel MM3 - Vegetation
19	Panel MM3 - Spawning Sites and Data Collection Sites
20	Panel UM4 - Geology
21	Panel UM4 - Historic Channel Locations
22	Panel UM4 - Human Features
23	Panel UM4 - Vegetation
24	Panel UM4 - Spawning Sites and Data Collection Sites
25	Panel UM5 - Geology
26	Panel UM5 - Historic Channel Locations
27	Panel UM5 - Human Features
28	Panel UM5 - Vegetation
29	Panel UM5 - Spawning Sites and Data Collection Sites
30	Panel UM6 - Geology
31	Panel UM6 - Historic Channel Locations
32	Panel UM6 - Human Features
33	Panel UM6 - Vegetation
34	Panel UM6 - Spawning Sites and Data Collection Sites
35	Panel T7 - Geology
36	Panel T7 - Historic Channel Locations
37	Panel T7 - Human Features
38	Panel T7 - Vegetation
39	Panel T7 - Spawning Sites and Data Collection Sites
40	Panel T8 - Geology
41	Panel T8 - Historic Channel Locations
42	Panel T8 - Human Features
43	Panel T8 - Vegetation
44	Panel T8 - Spawning Sites and Data Collection Sites
45	Panel C9 - Geology
46	Panel C9 - Historic Channel Locations
47	Panel C9 - Human Features
48	Panel C9 - Vegetation
49	Panel C9 - Spawning Sites and Data Collection Sites
50	Panel C10 - Geology
51	Panel C10 - Historic Channel Locations
52	Panel C10 - Human Features
53	Panel C10 - Vegetation
54	Panel C10 - Spawning Sites and Data Collection Sites
55	1945 Historic Rectified Aerial Photography Coverage
56	1948 Historic Rectified Aerial Photography Coverage
57	1954 Historic Rectified Aerial Photography Coverage
58	1964 Historic Rectified Aerial Photography Coverage
59	1974 Historic Rectified Aerial Photography Coverage
60	1994 Historic Rectified Aerial Photography Coverage

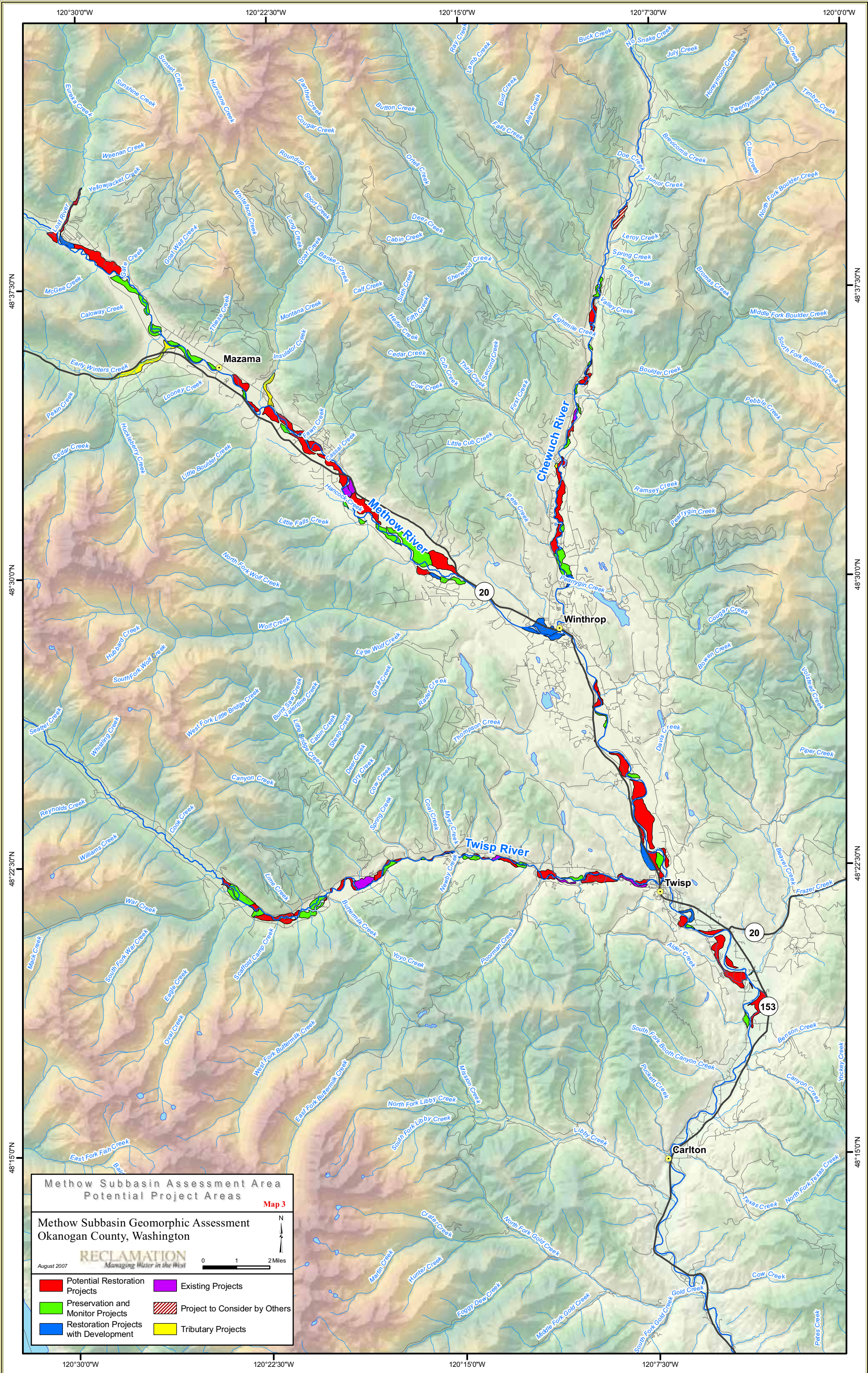


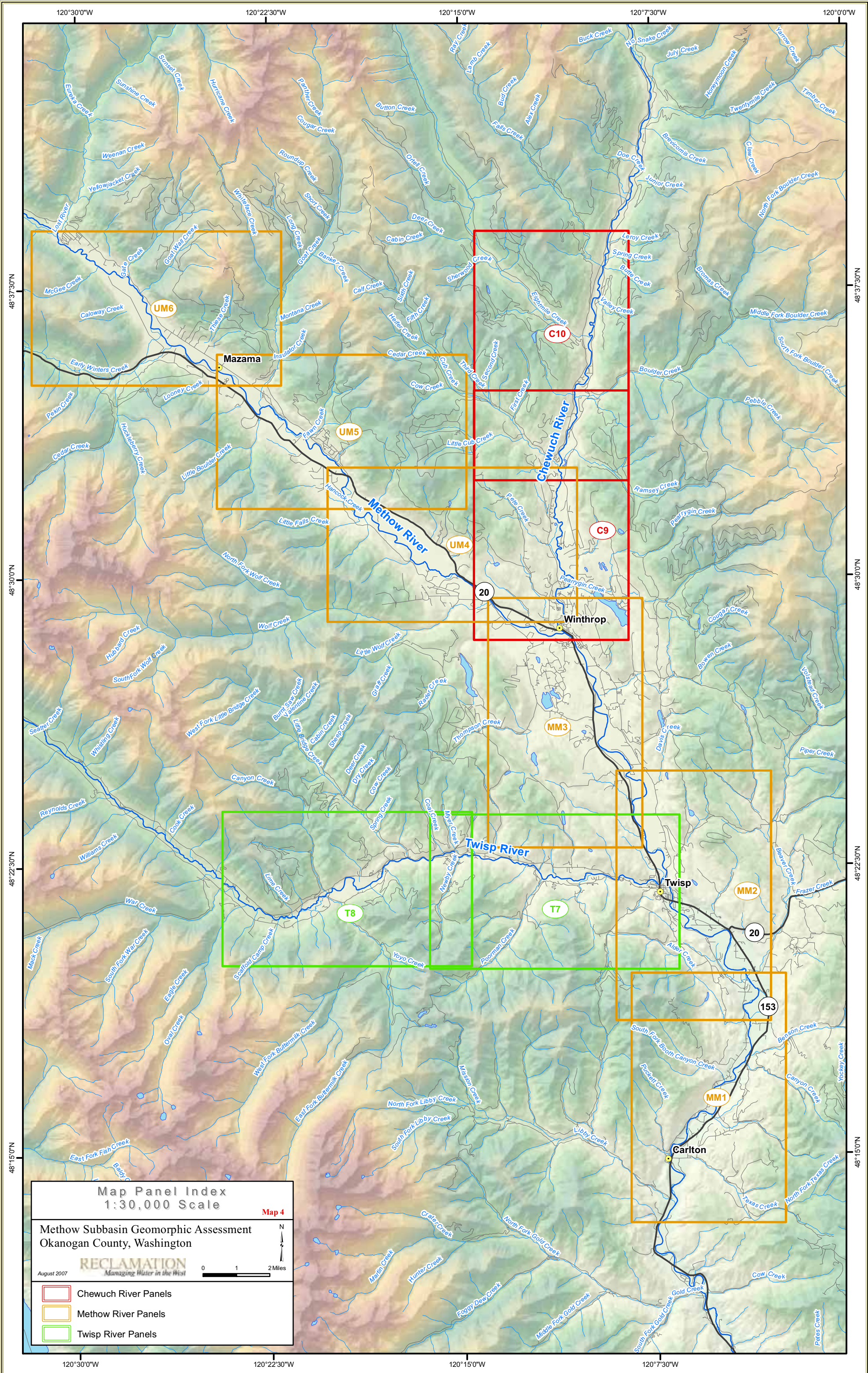
MISSION STATEMENT

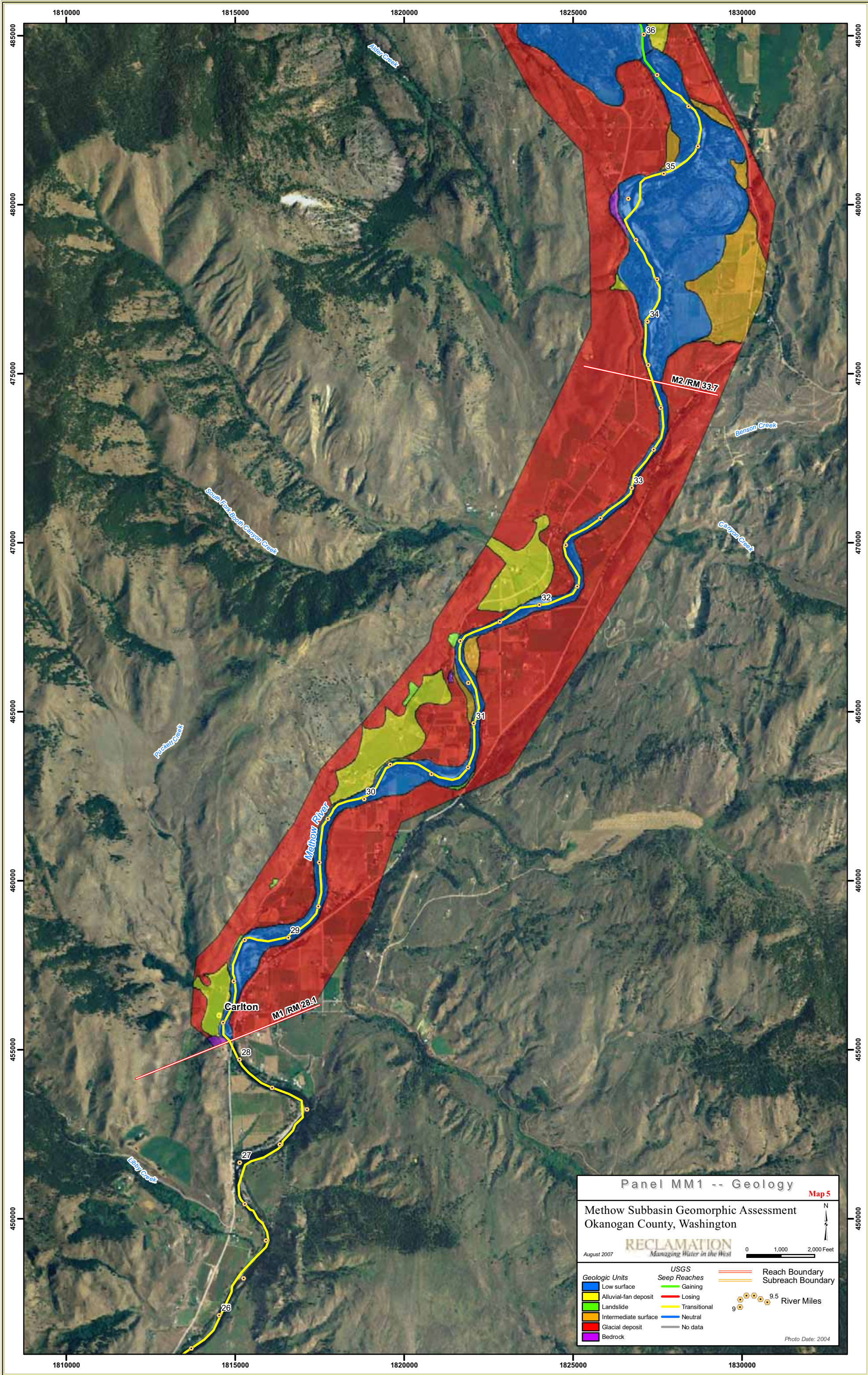
The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

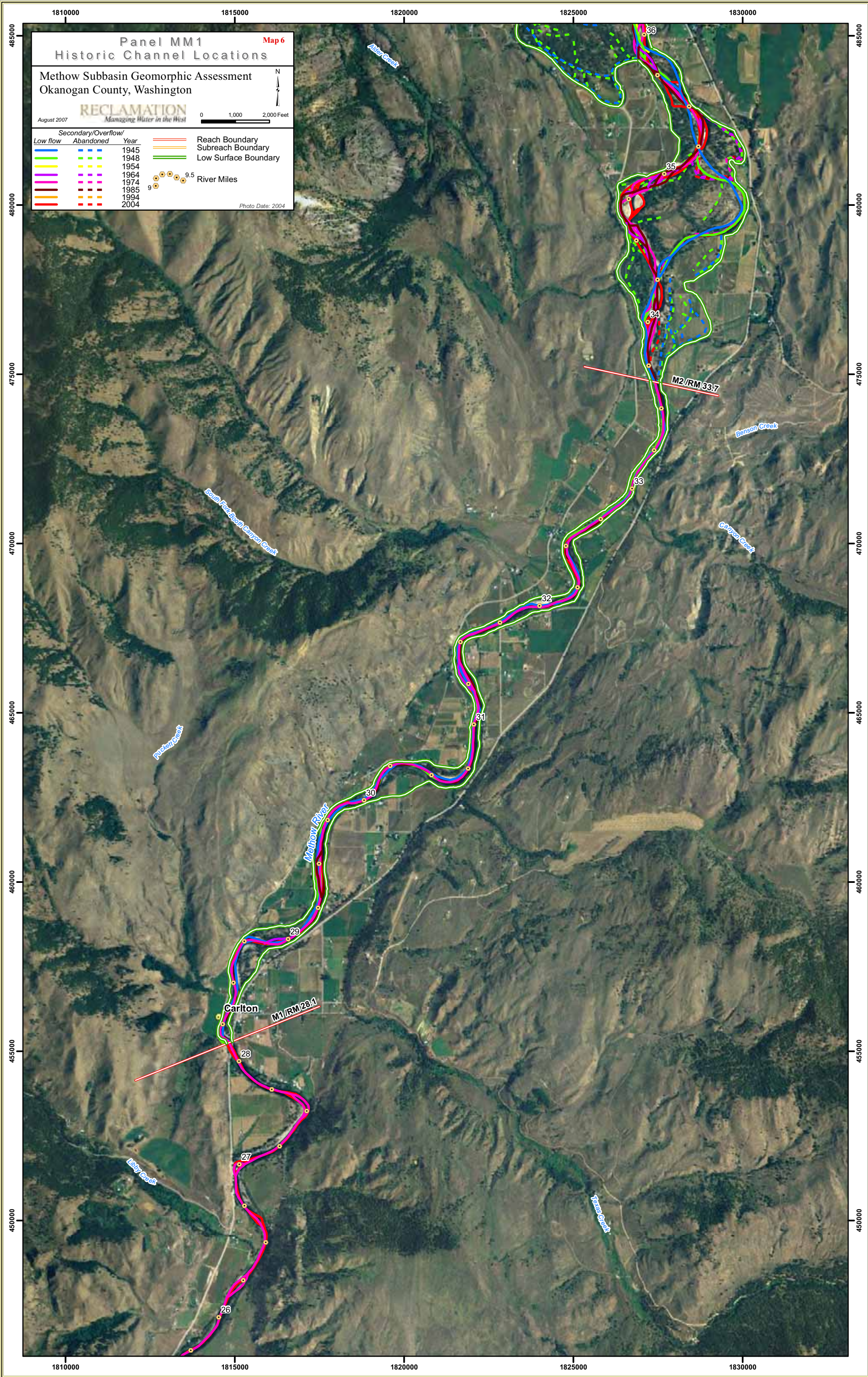


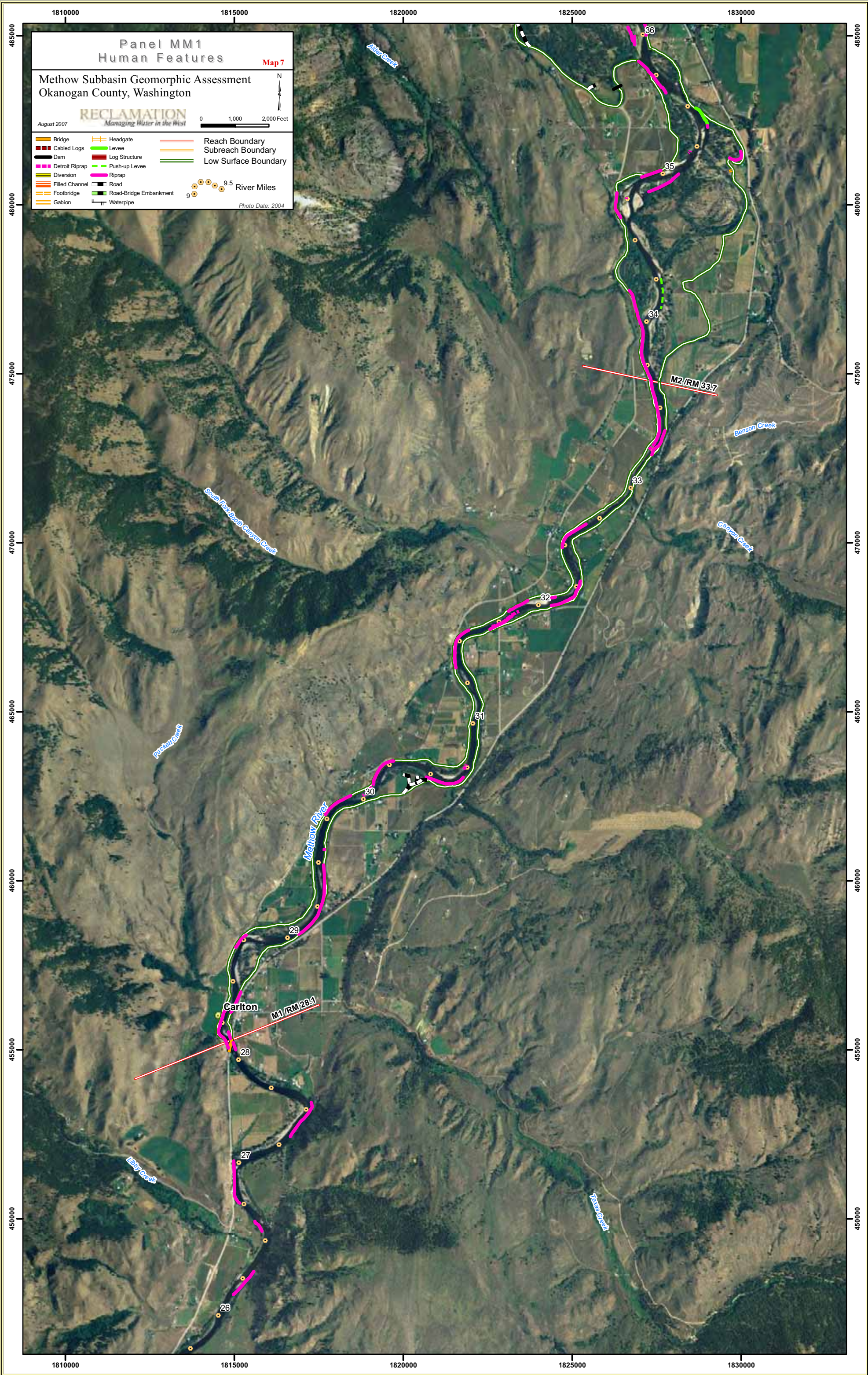


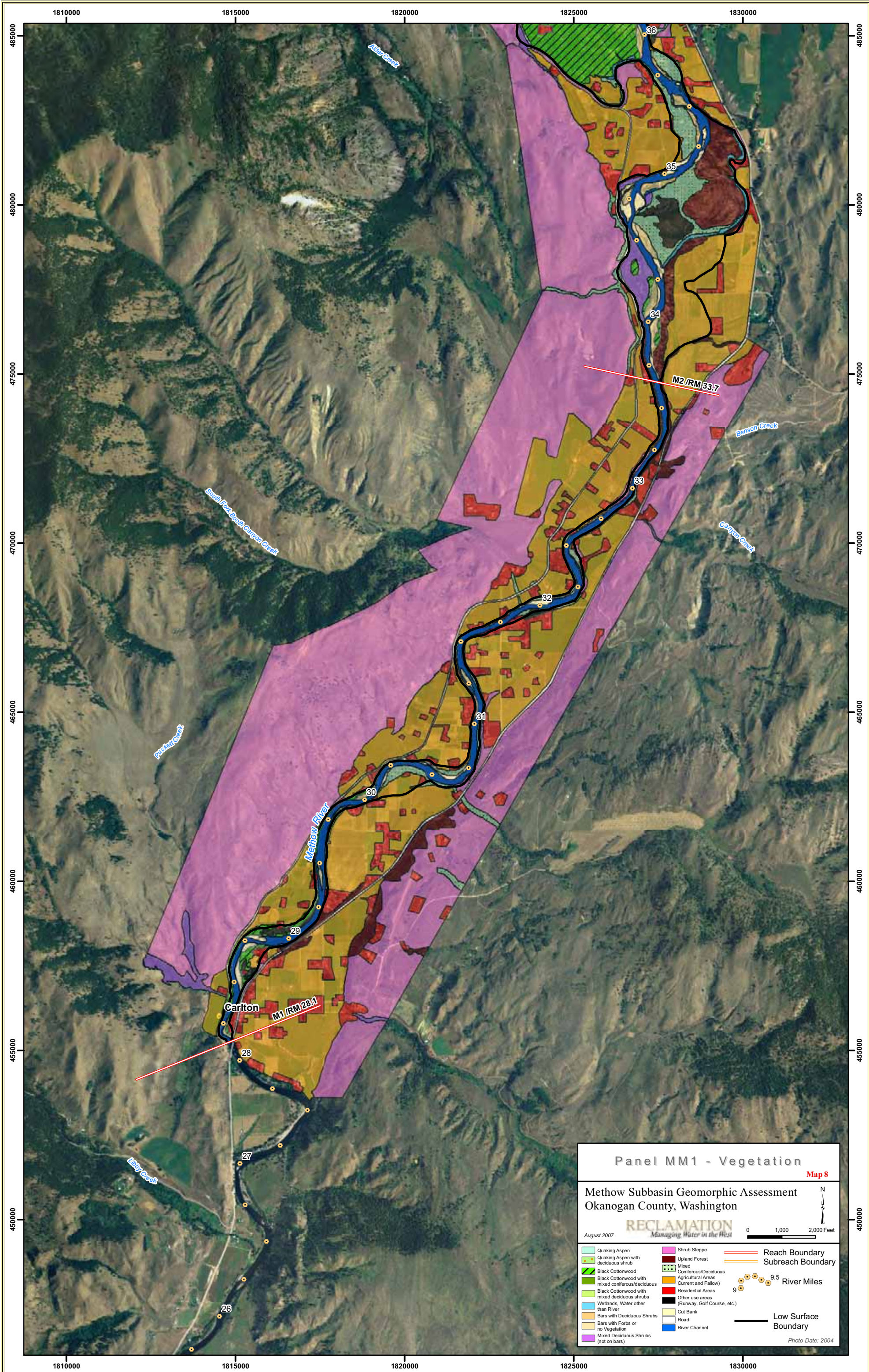


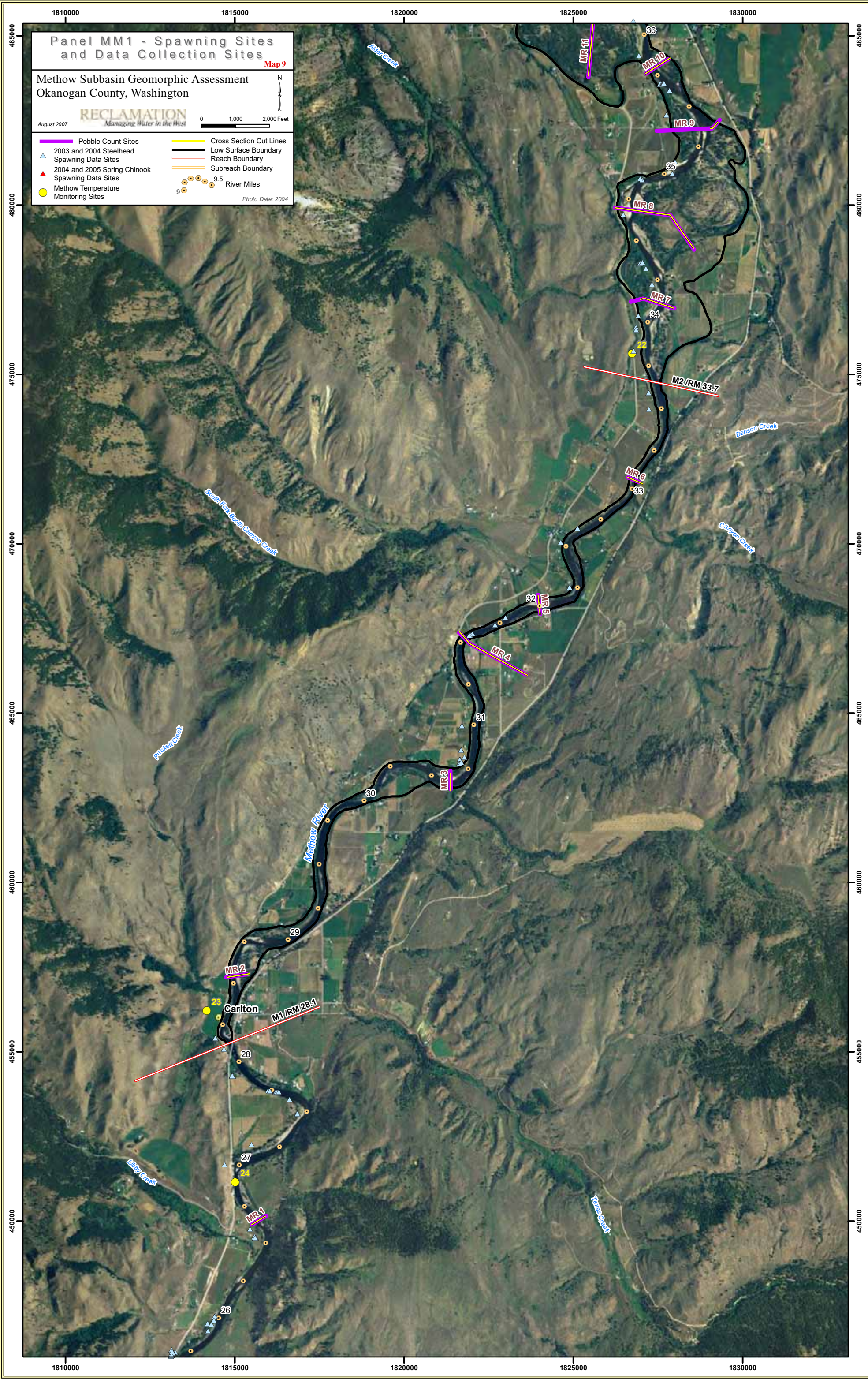


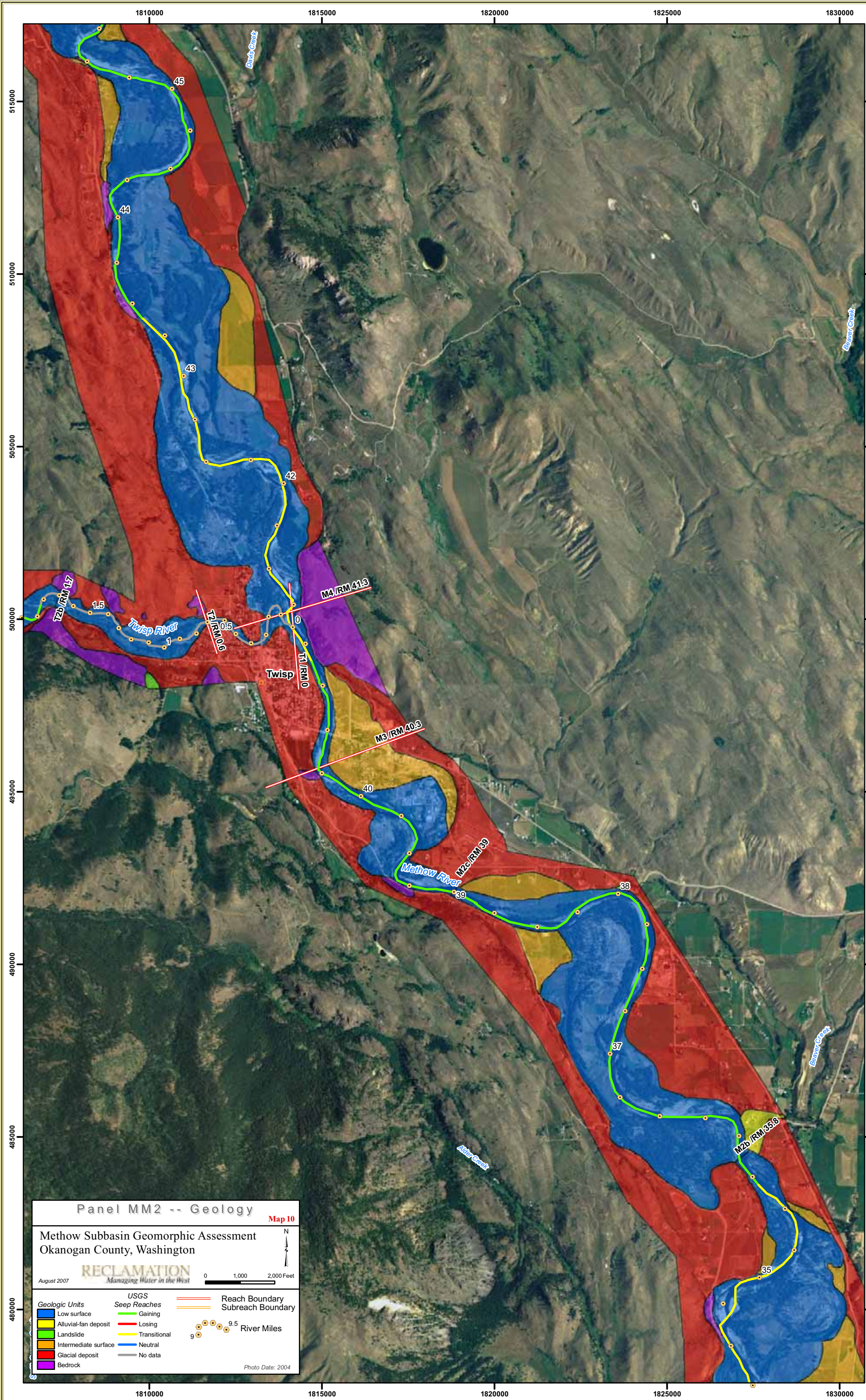


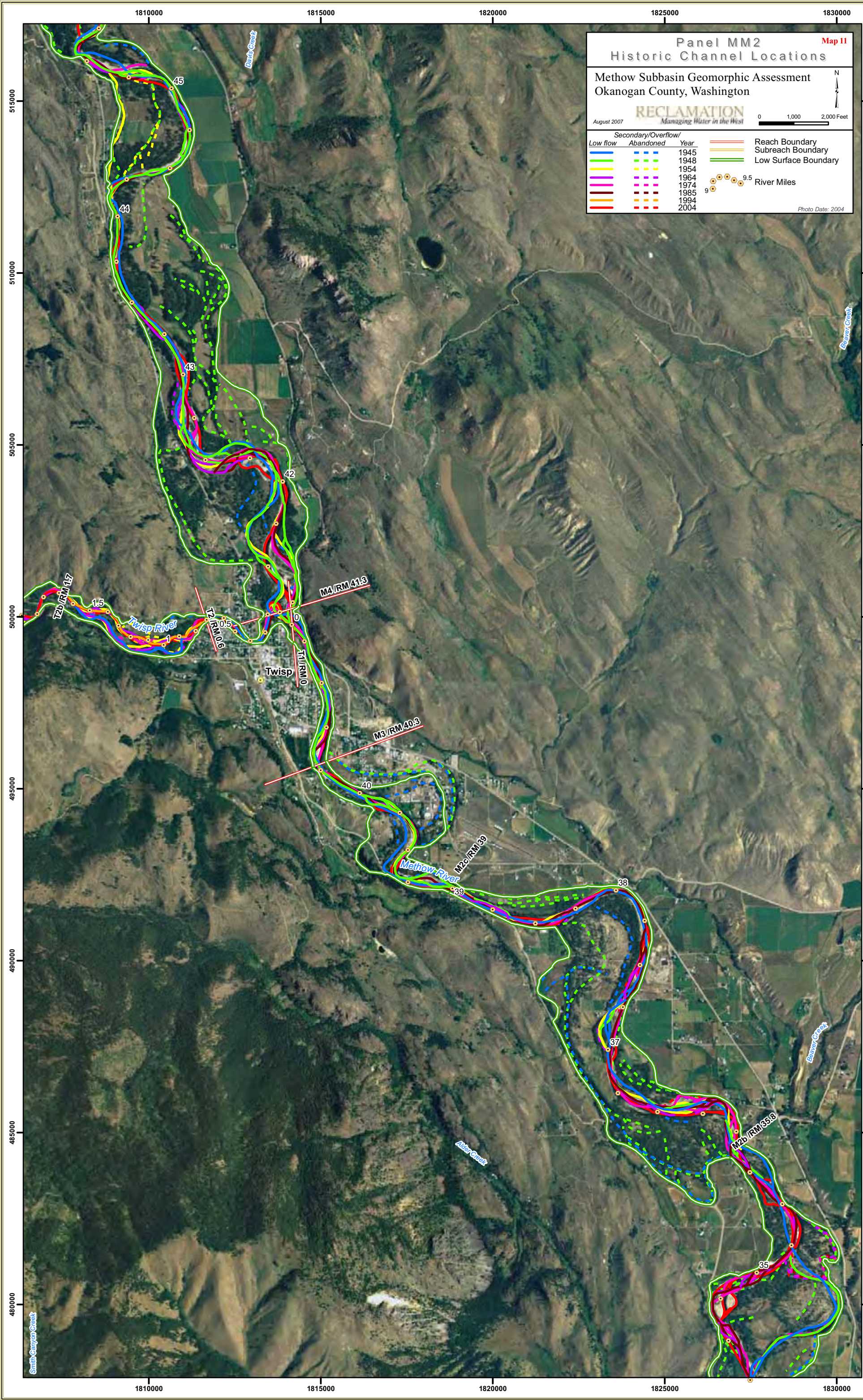


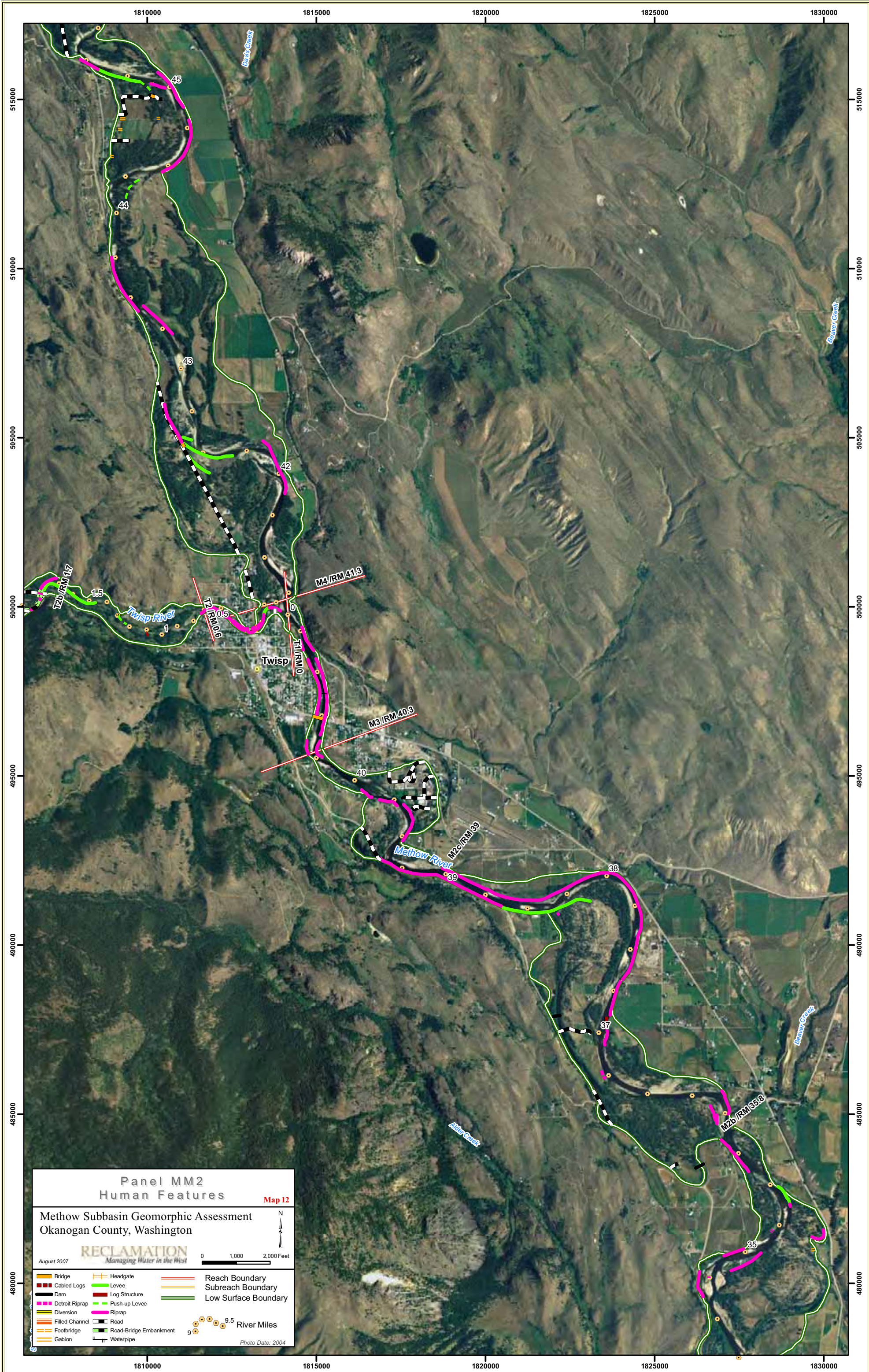


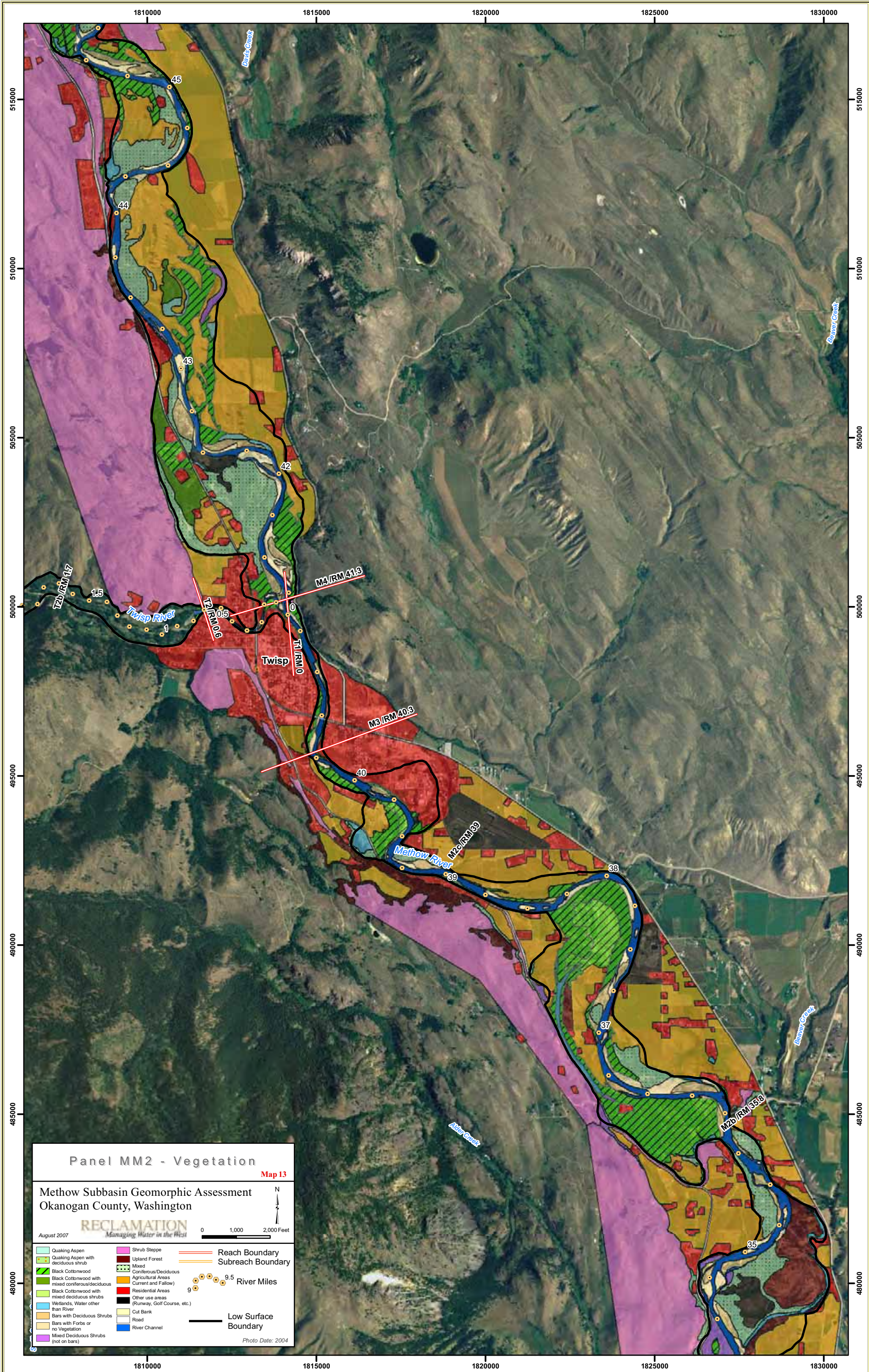


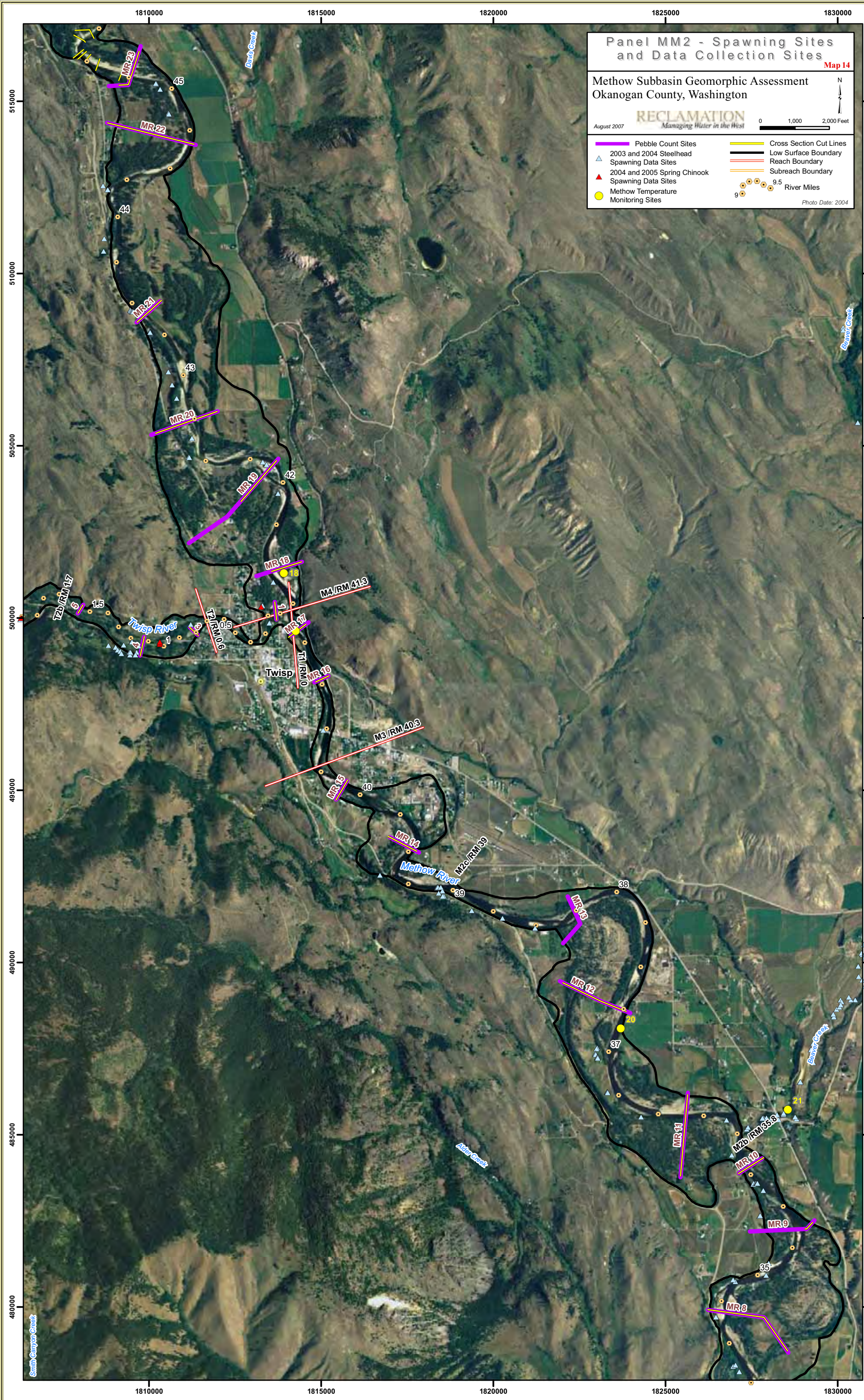


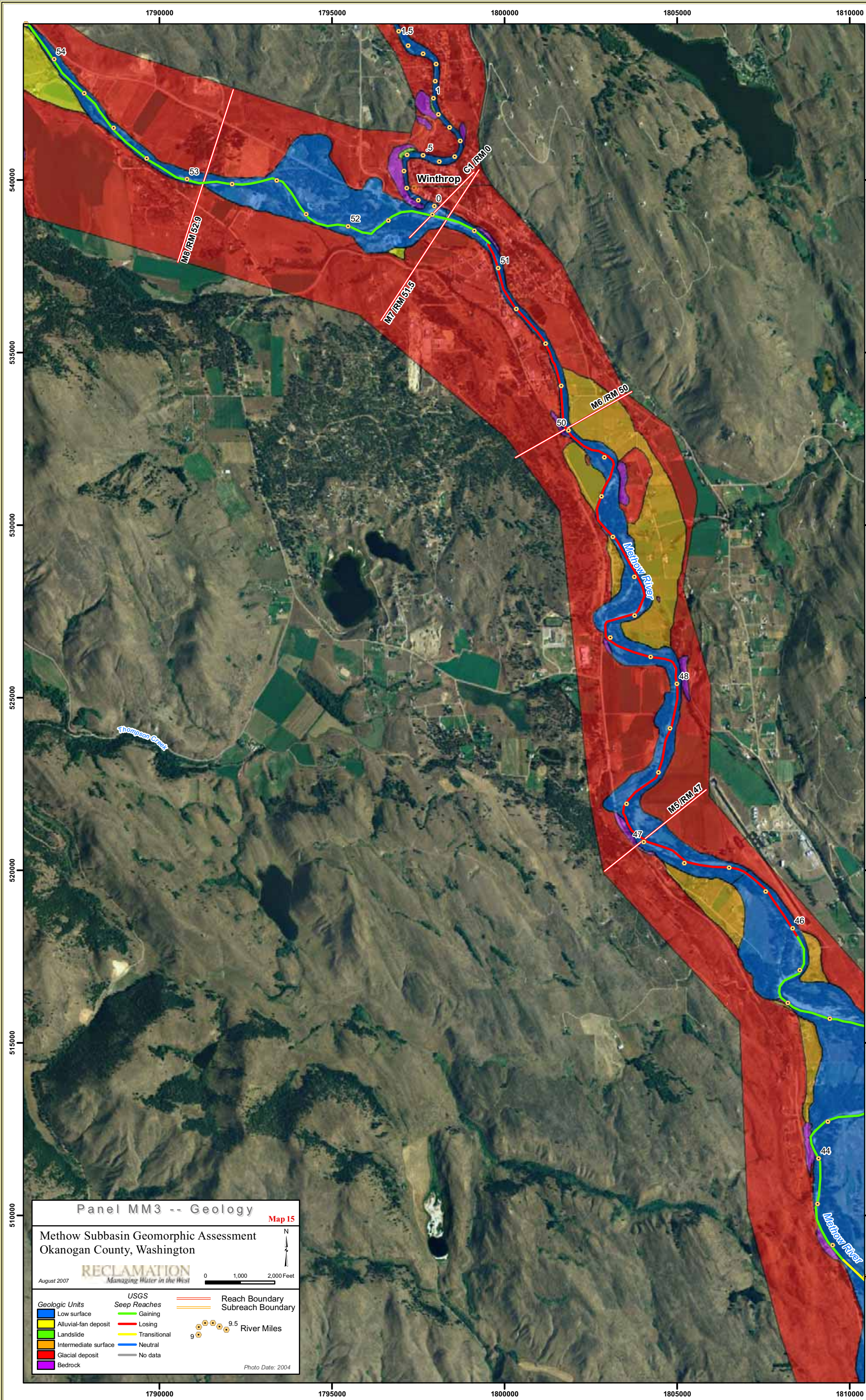


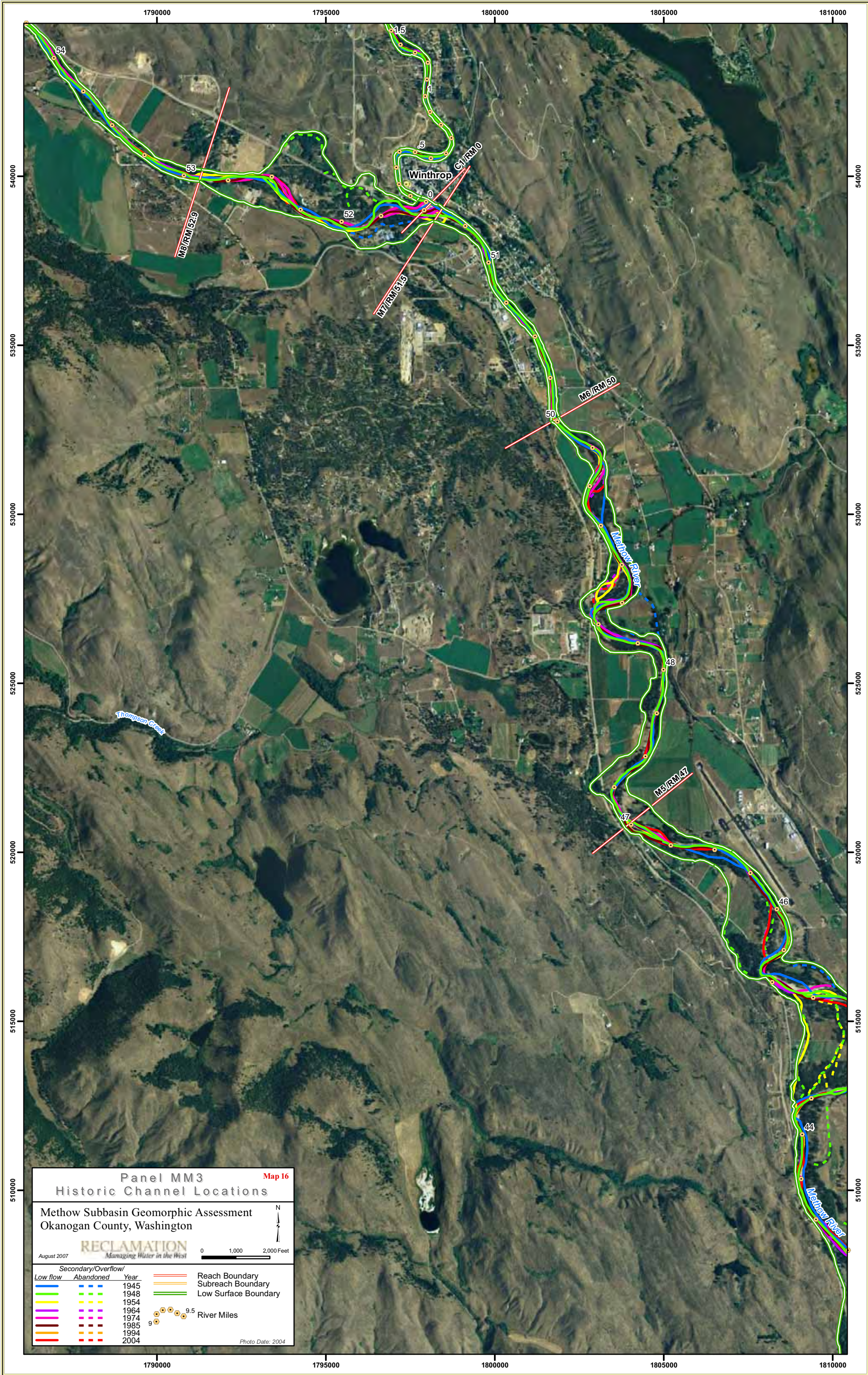


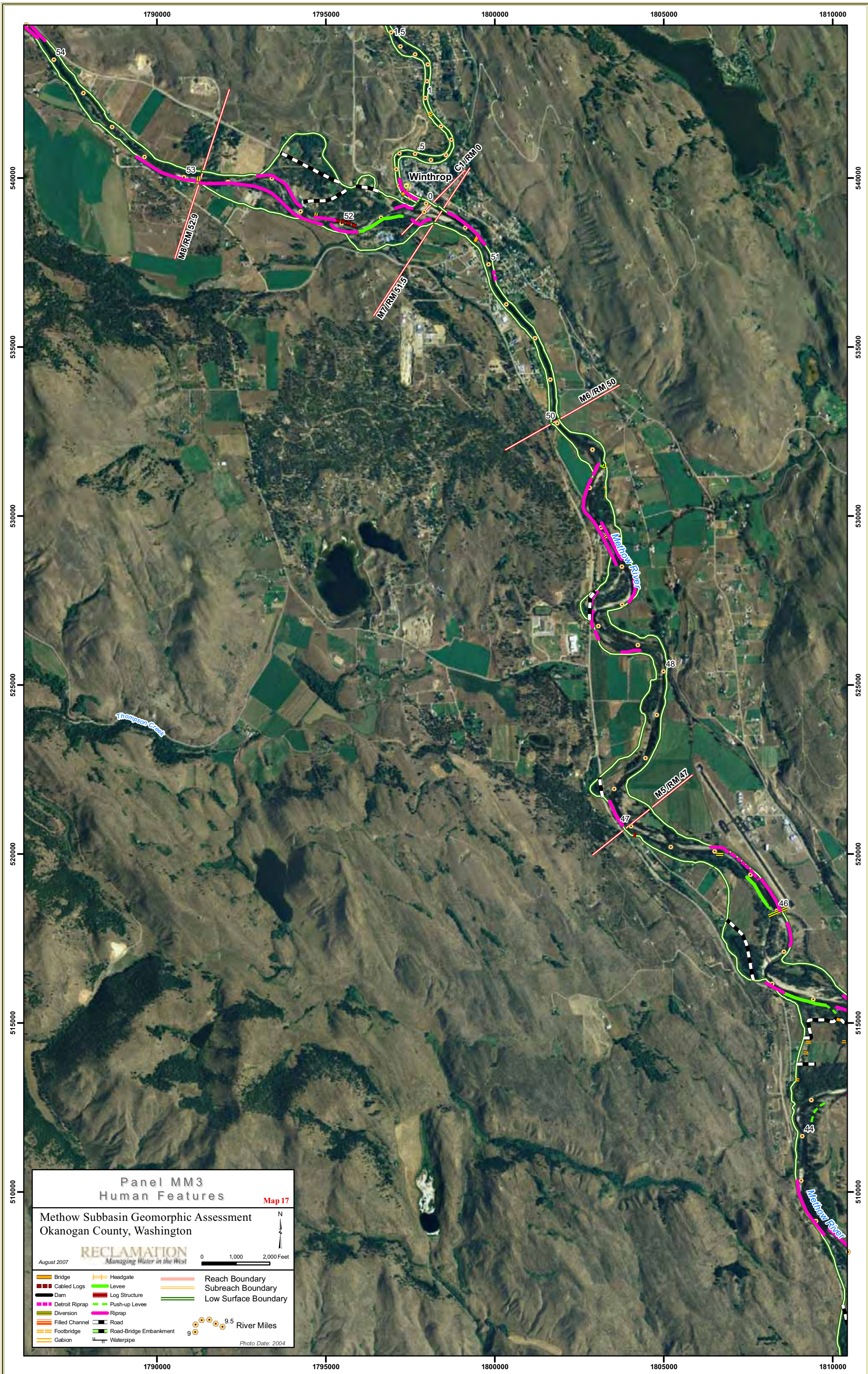


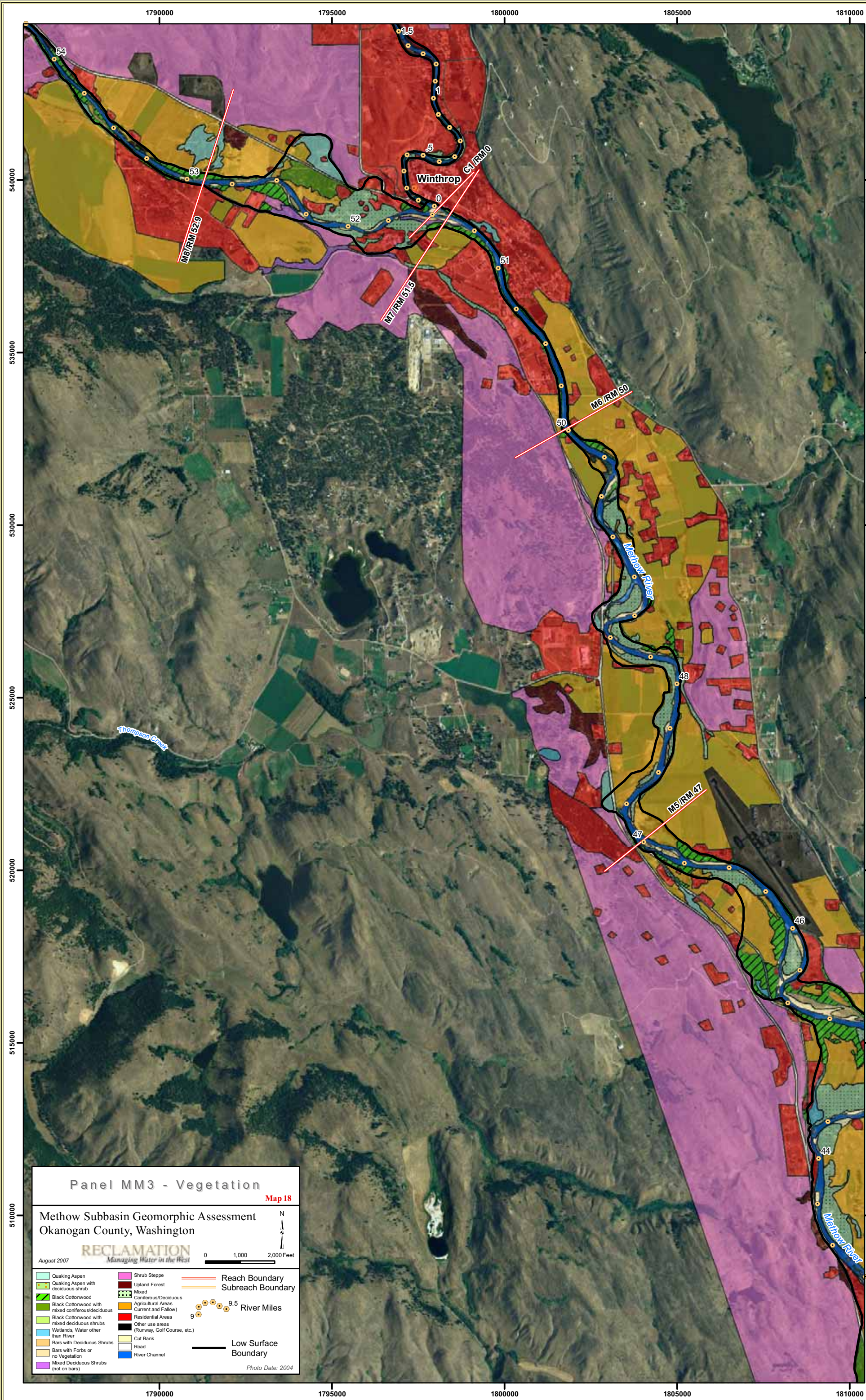


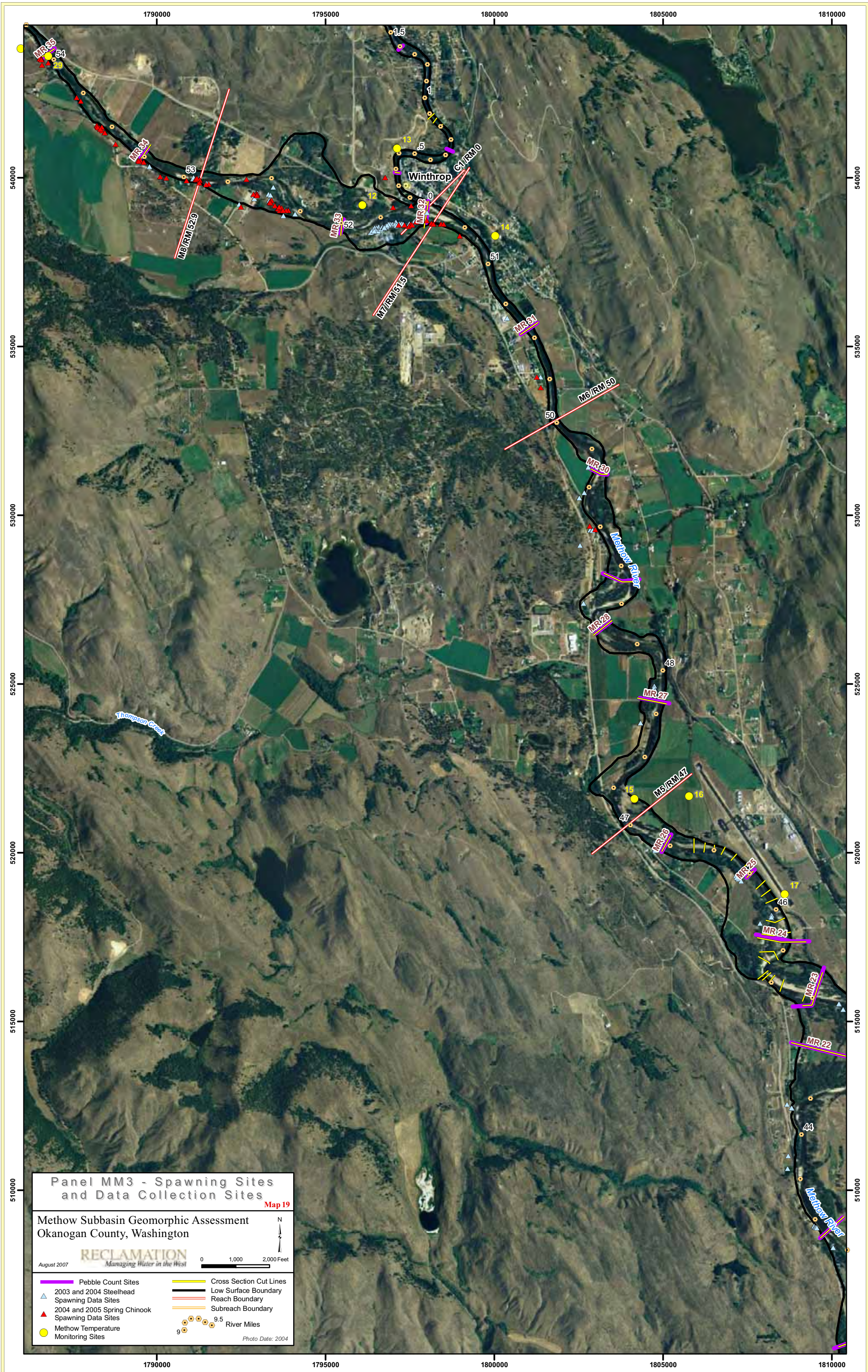


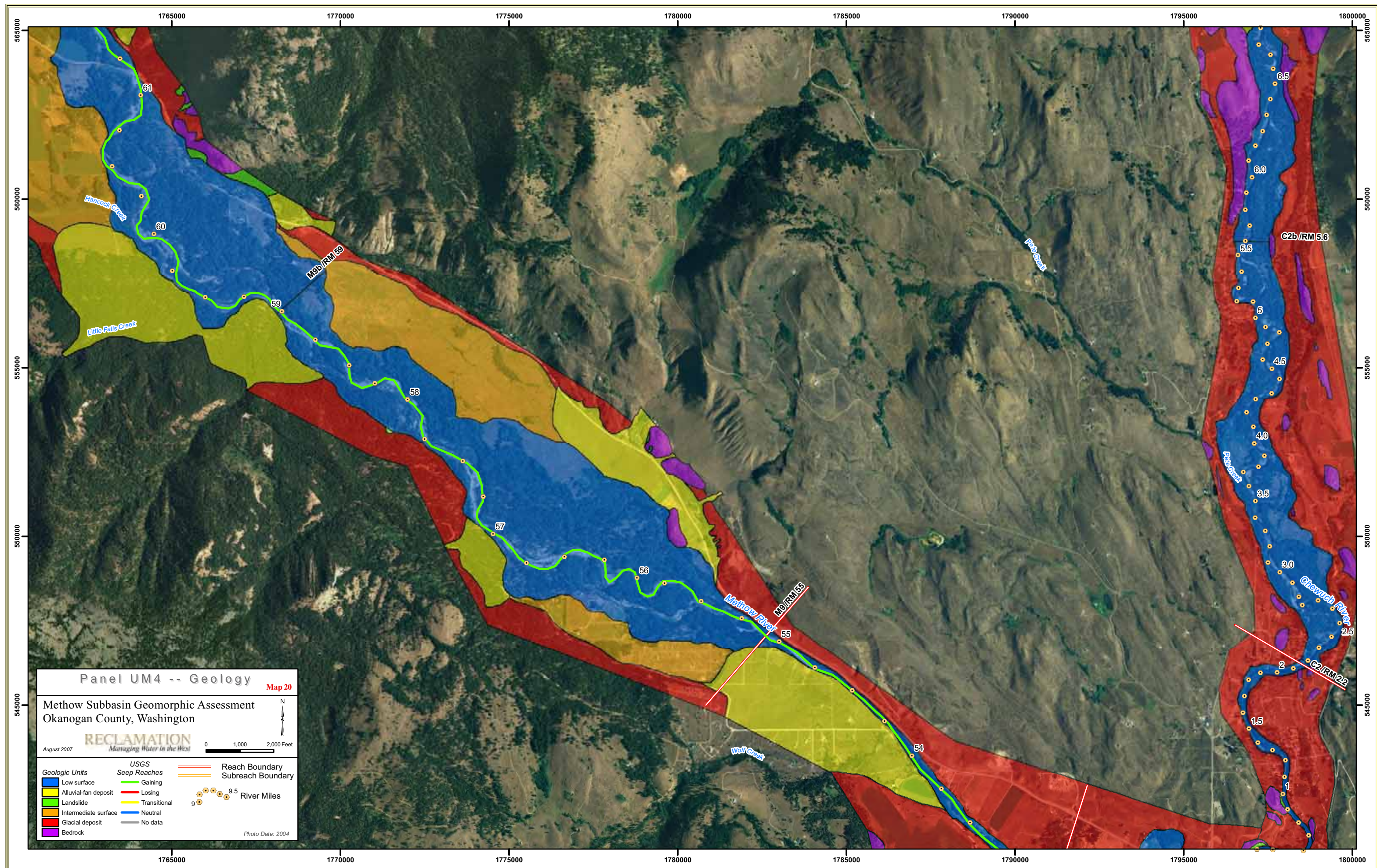


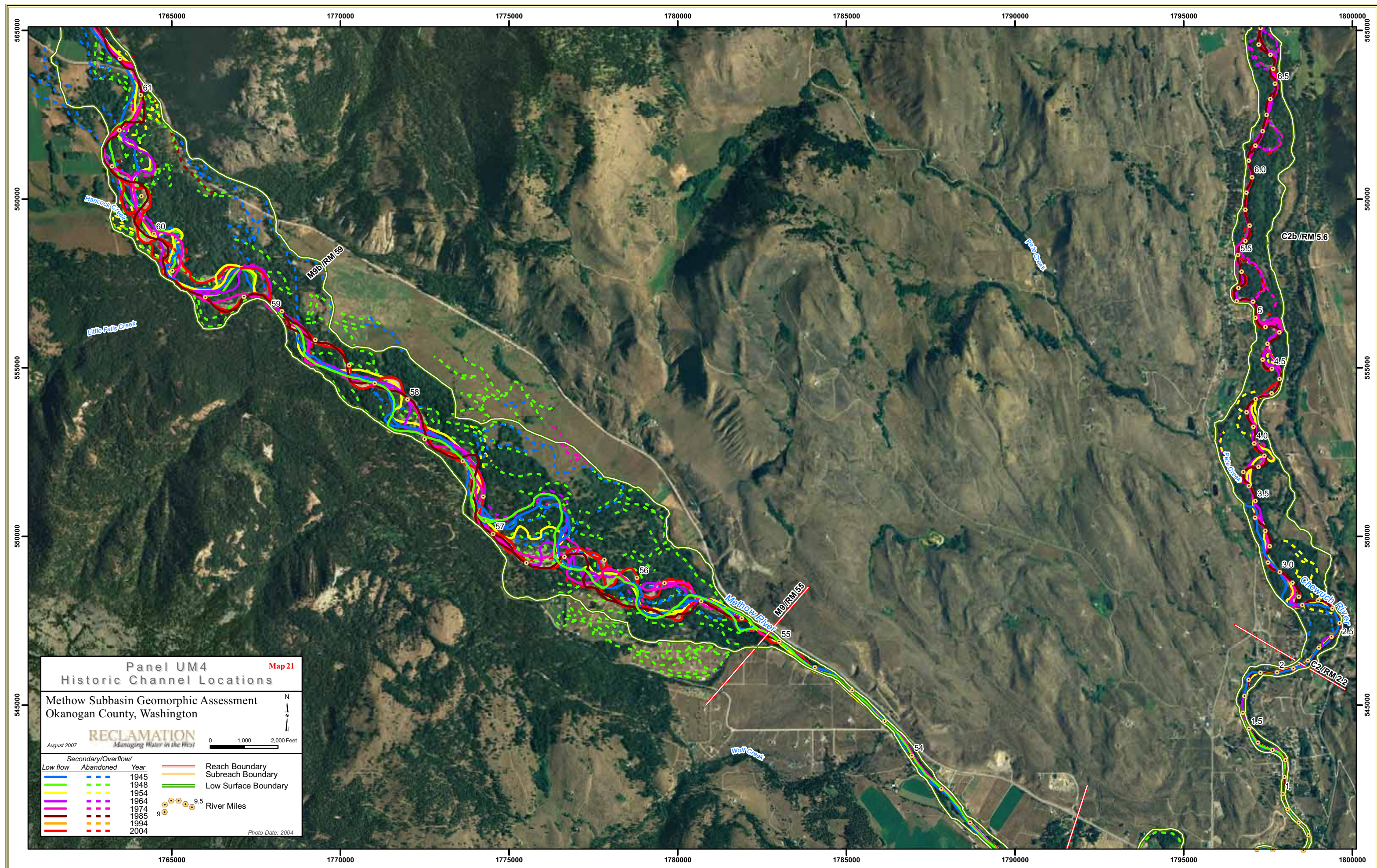












Panel UM4

Map 21

Historic Channel Locations

Methow Subbasin Geomorphic Assessment

Okanogan County, Washington

RECLAMATION

Managing Water in the West

August 2007

0 1,000 2,000 Feet

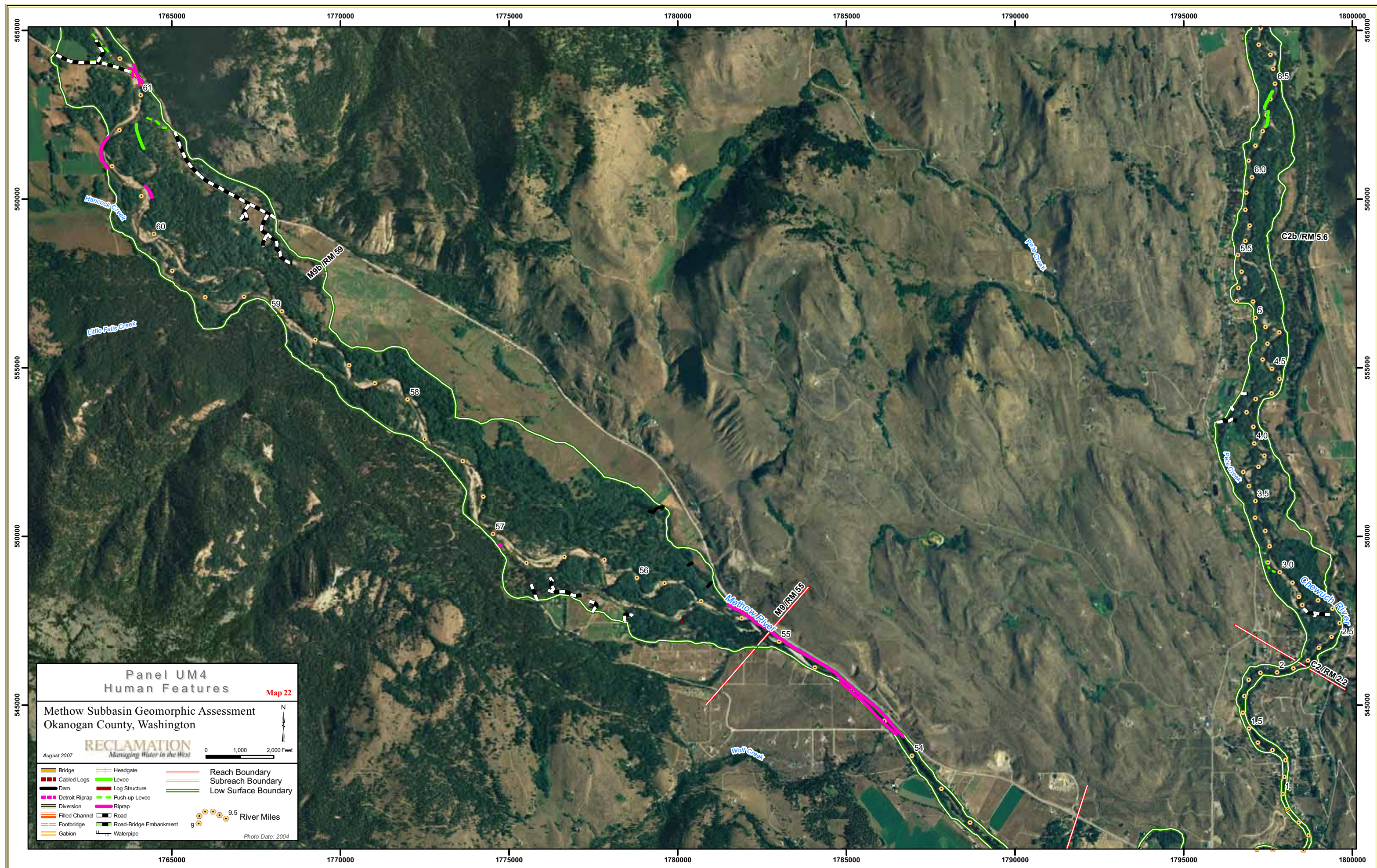
Low flow	Secondary/Overflow/ Abandoned	Year	
Blue	Blue	1945	Reach Boundary
Green	Green	1948	Subreach Boundary
Yellow	Yellow	1954	Low Surface Boundary
Magenta	Magenta	1964	
Cyan	Cyan	1974	
Brown	Brown	1985	
Orange	Orange	1994	
Red	Red	2004	

9

9.5

River Miles

Photo Date: 2004



Panel UM4
Human Features

Map 22

Methow Subbasin Geomorphic Assessment
Okanogan County, Washington

RECLAMATION
Managing Water in the West

August 2007

010002000 Feet

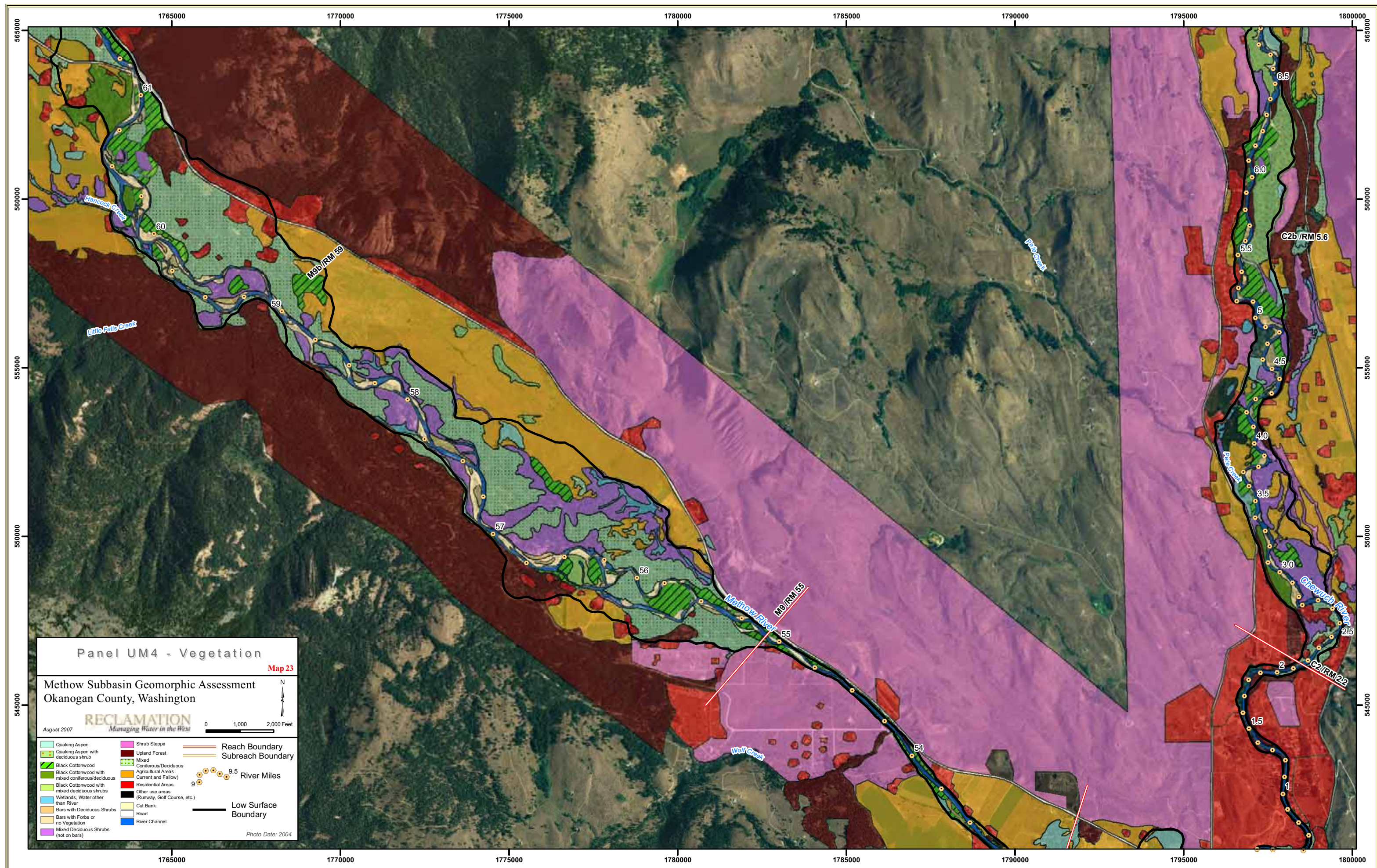
N

Bridge	Headgate	Reach Boundary
Cabled Logs	Levee	Subreach Boundary
Dam	Log Structure	Low Surface Boundary
Detroit Riprap	Push-up Levee	
Diversion	Riprap	
Filled Channel	Road	
Footbridge	Road-Bridge Embankment	
Gabion	Waterpipe	

99.5

River Miles

Photo Date: 2004



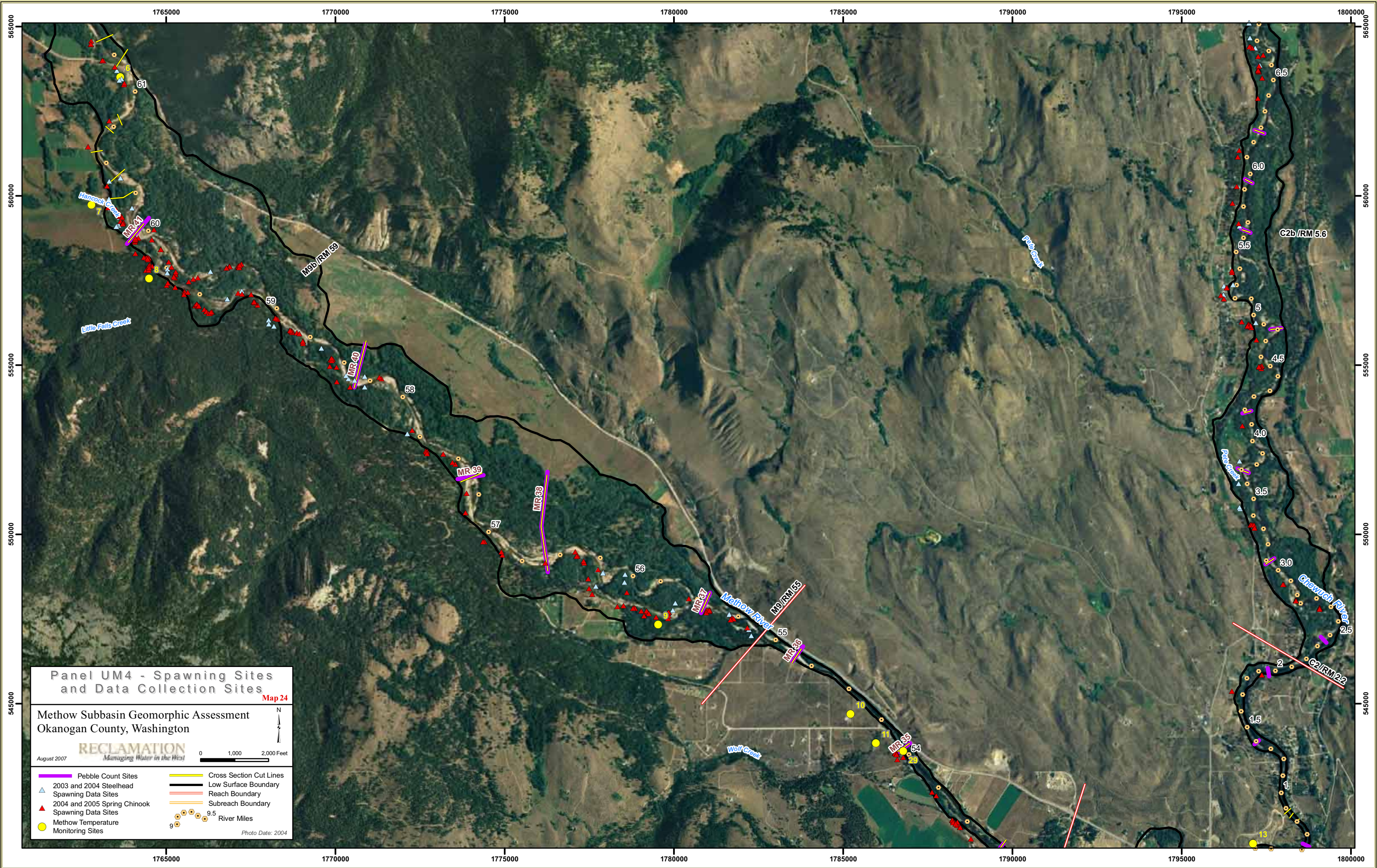
Panel UM4 - Vegetation

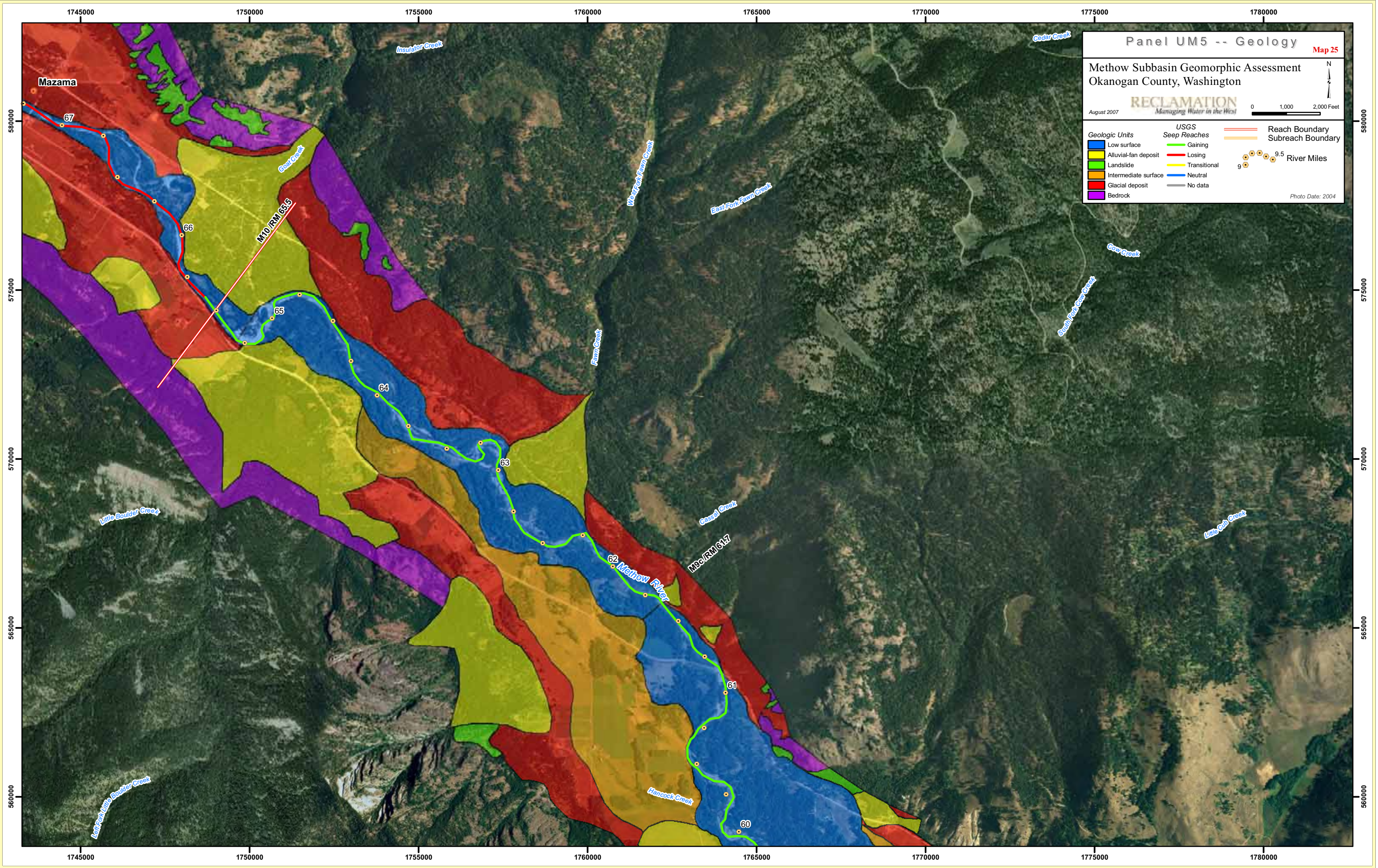
Map 23

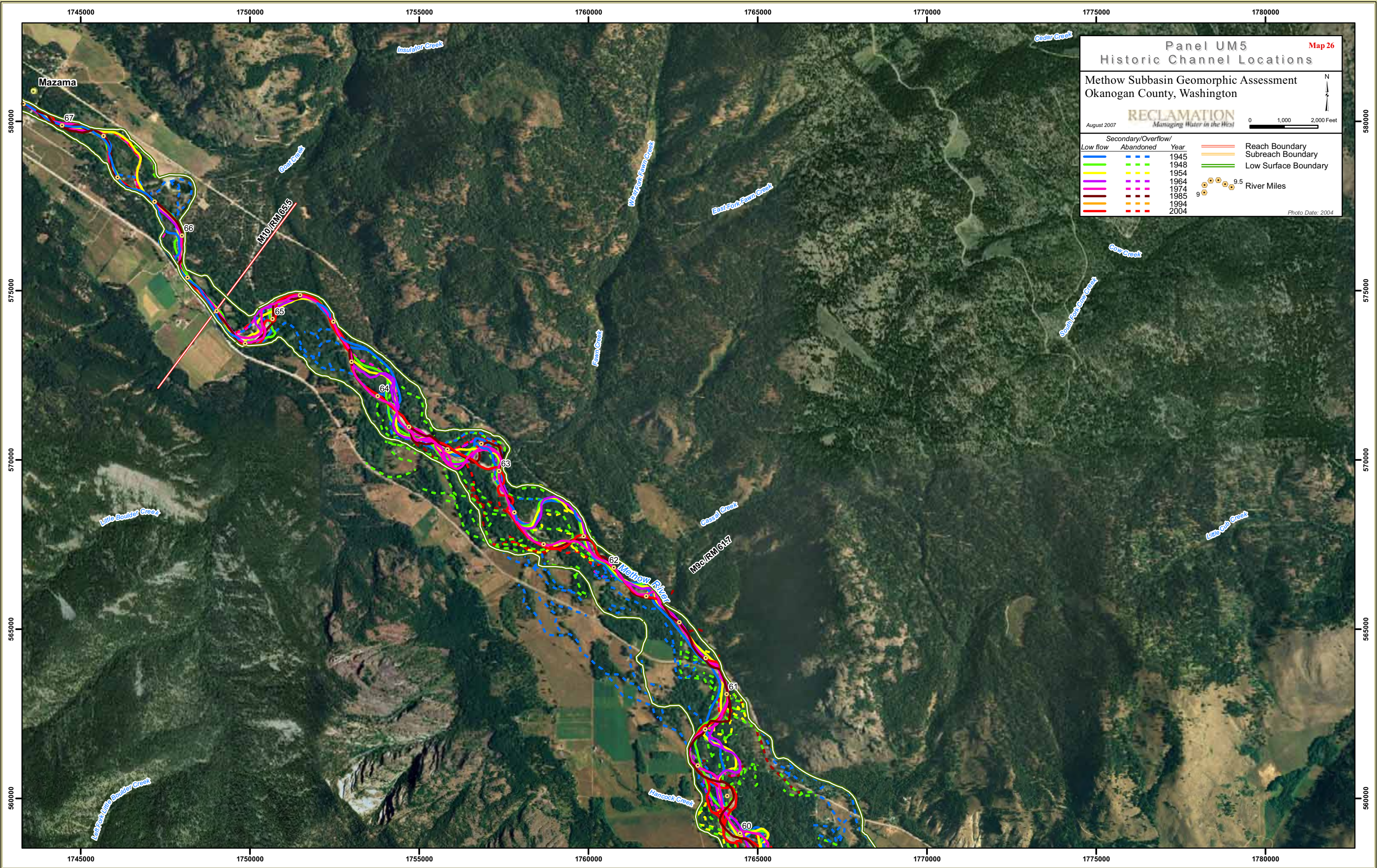
Methow Subbasin Geomorphic Assessment
Okanogan County, Washington

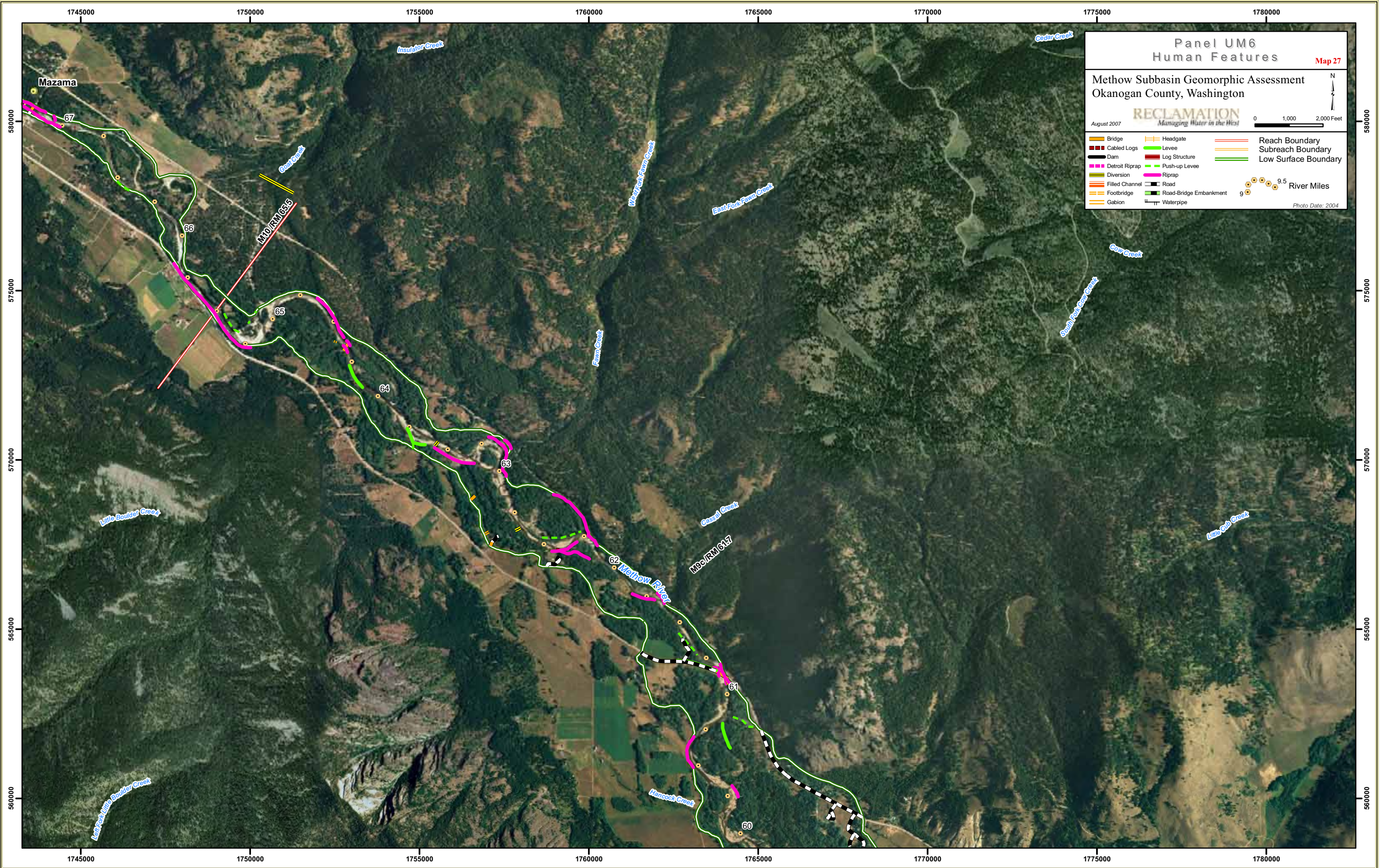
August 2007
RECLAMATION
Managing Water in the West

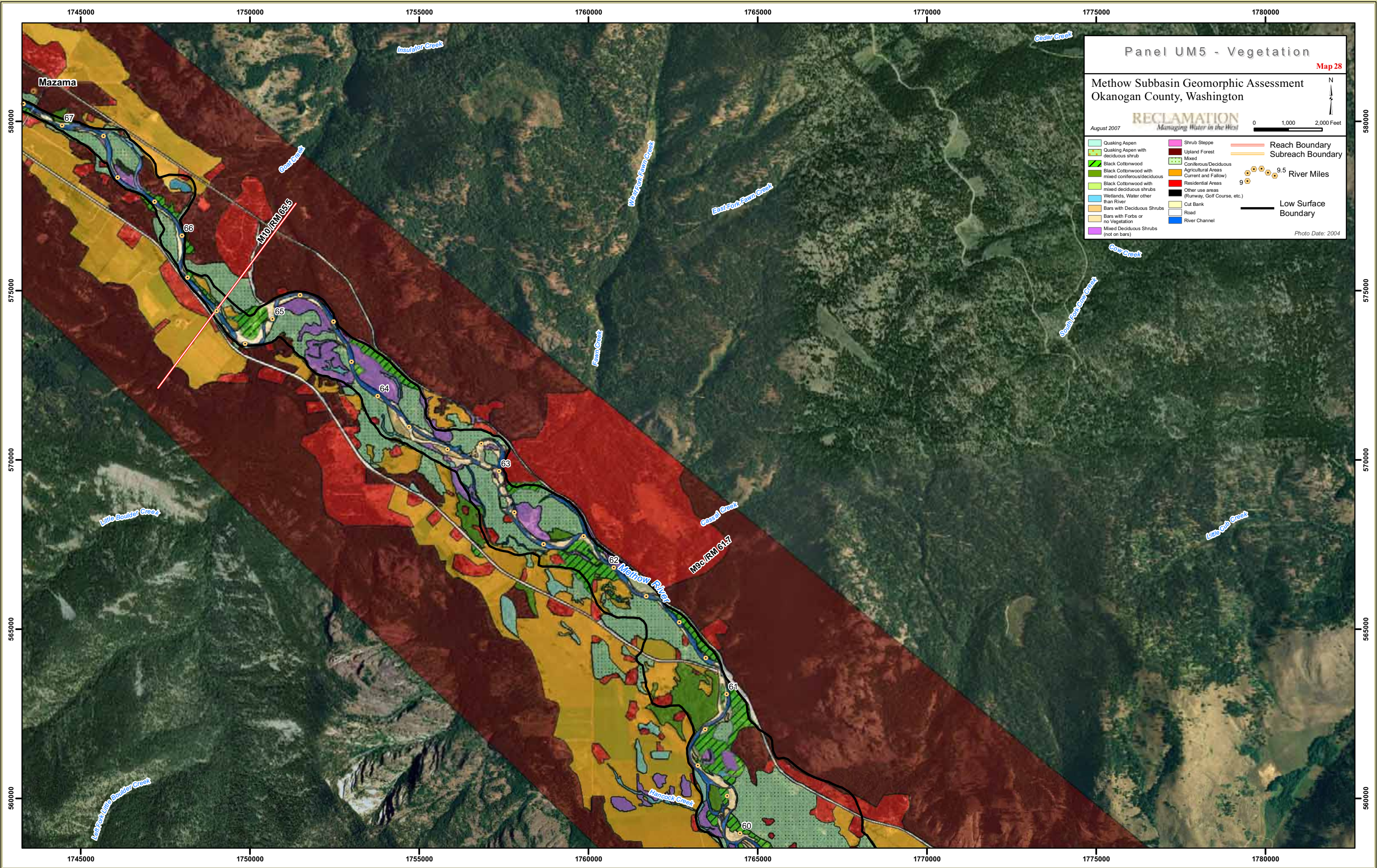
- | | | |
|---|---|--|
| <ul style="list-style-type: none">Quaking AspenQuaking Aspen with deciduous shrubBlack CottonwoodBlack Cottonwood with mixed coniferous/deciduousBlack Cottonwood with mixed deciduous shrubsWetlands, Water other than RiverBars with Deciduous ShrubsBars with Forbs or no VegetationMixed Deciduous Shrubs (not on bars) | <ul style="list-style-type: none">Shrub SteppeUpland ForestMixed Coniferous/DeciduousAgricultural Areas (Current and Fallow)Residential AreasOther use areas (Runway, Golf Course, etc.)Cut BankRoadRiver Channel | <ul style="list-style-type: none">Reach BoundarySubreach Boundary |
|---|---|--|
- 0 1,000 2,000 Feet
- 9 9.5 River Miles
- Low Surface Boundary
- Photo Date: 2004

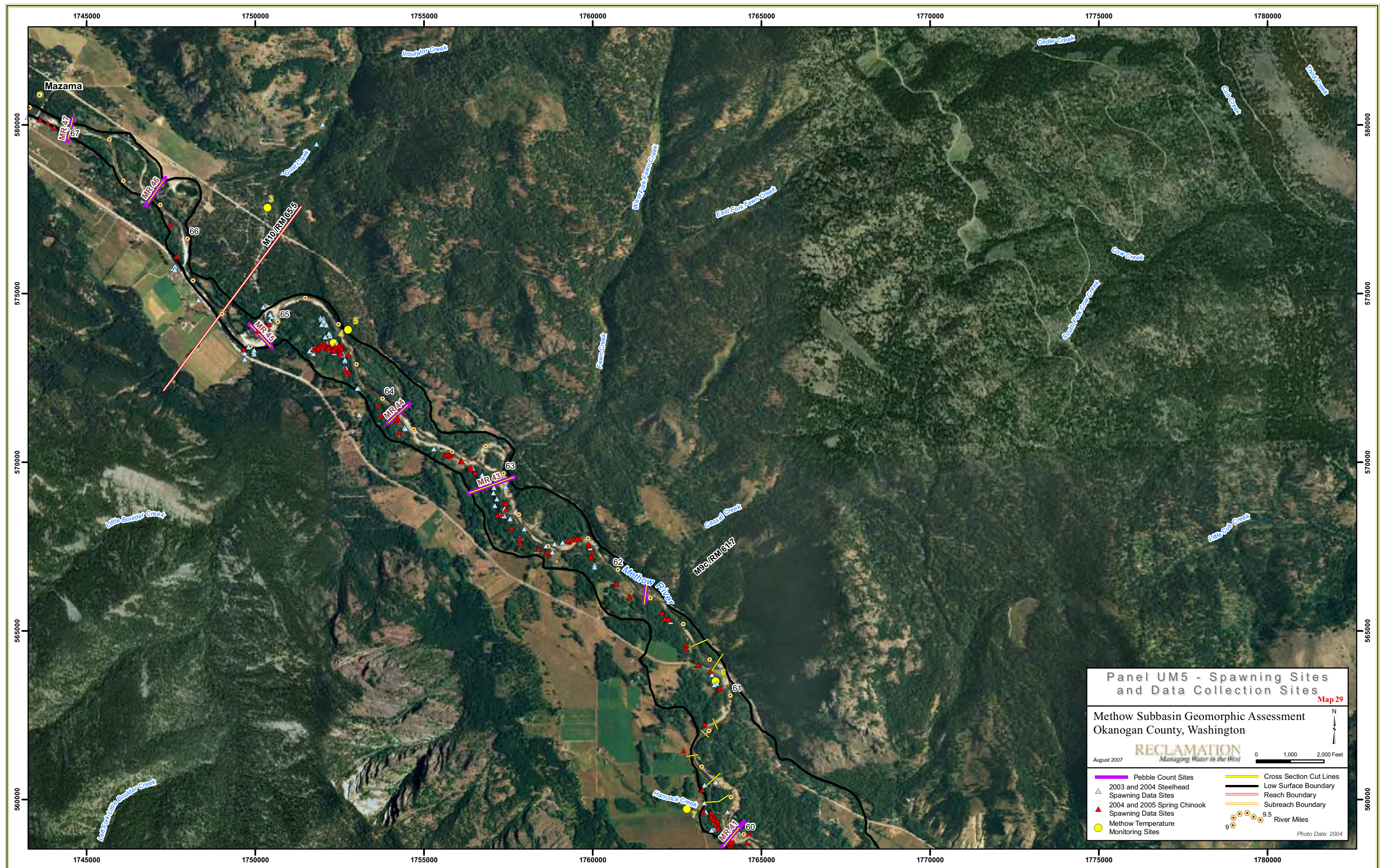


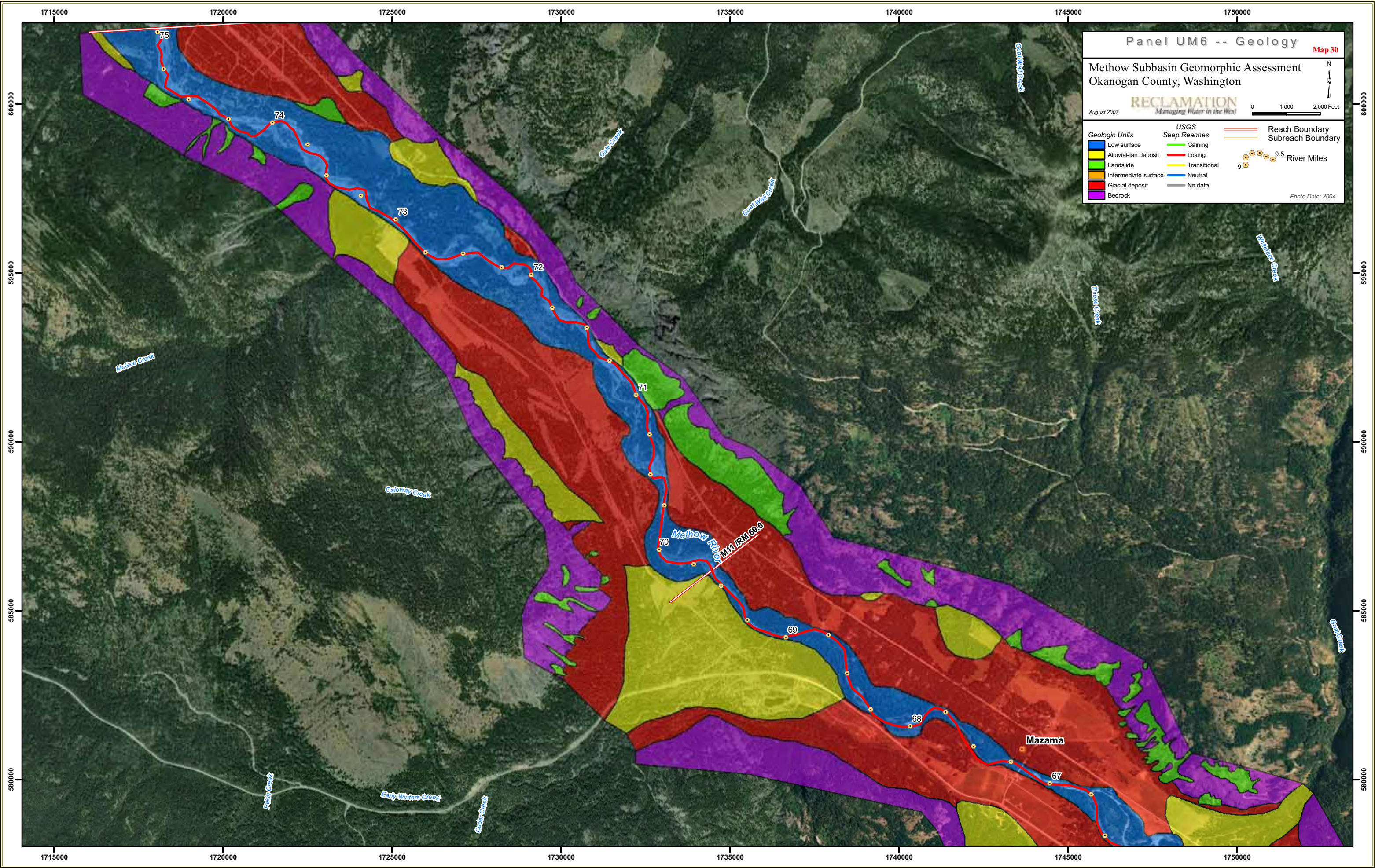


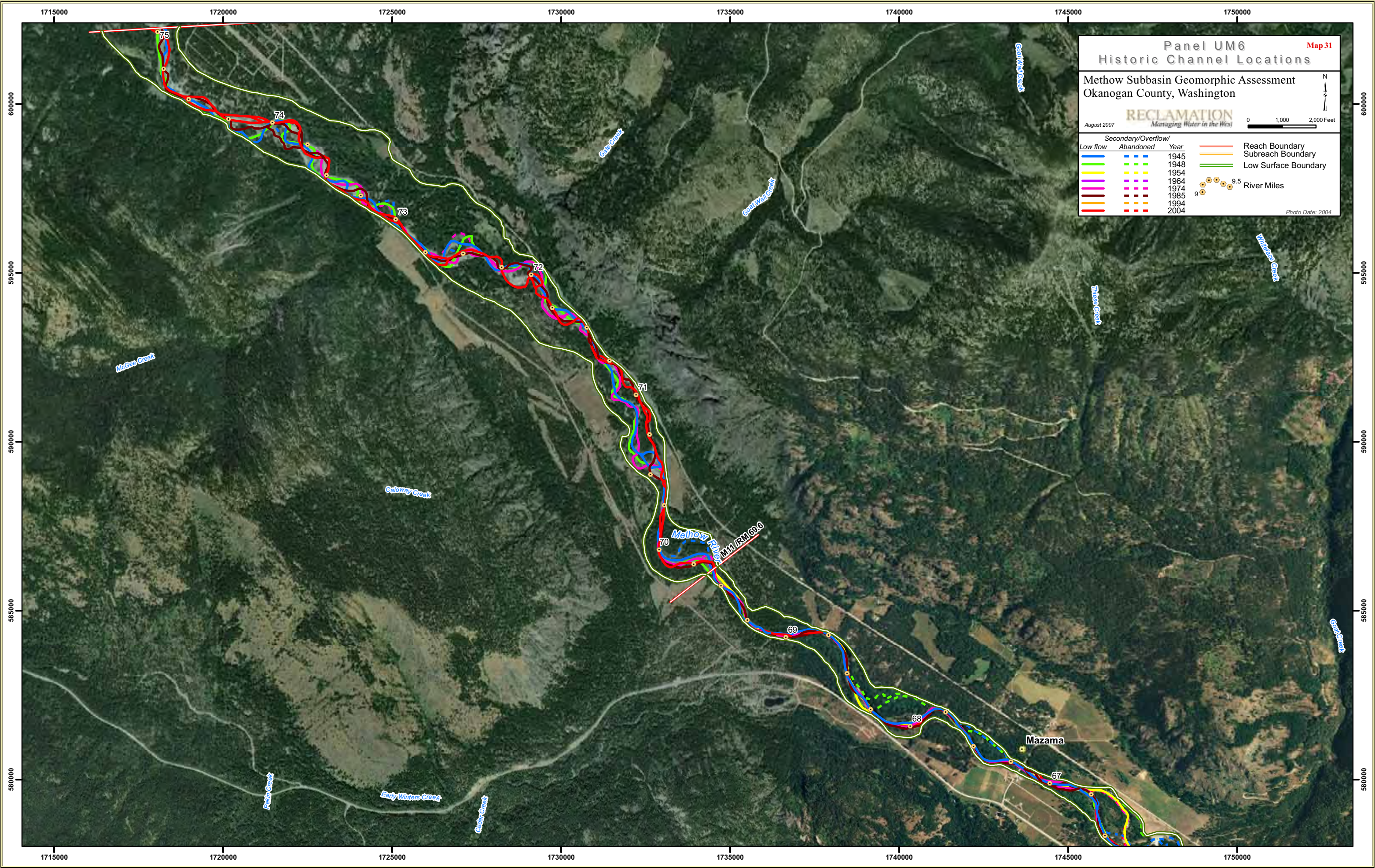


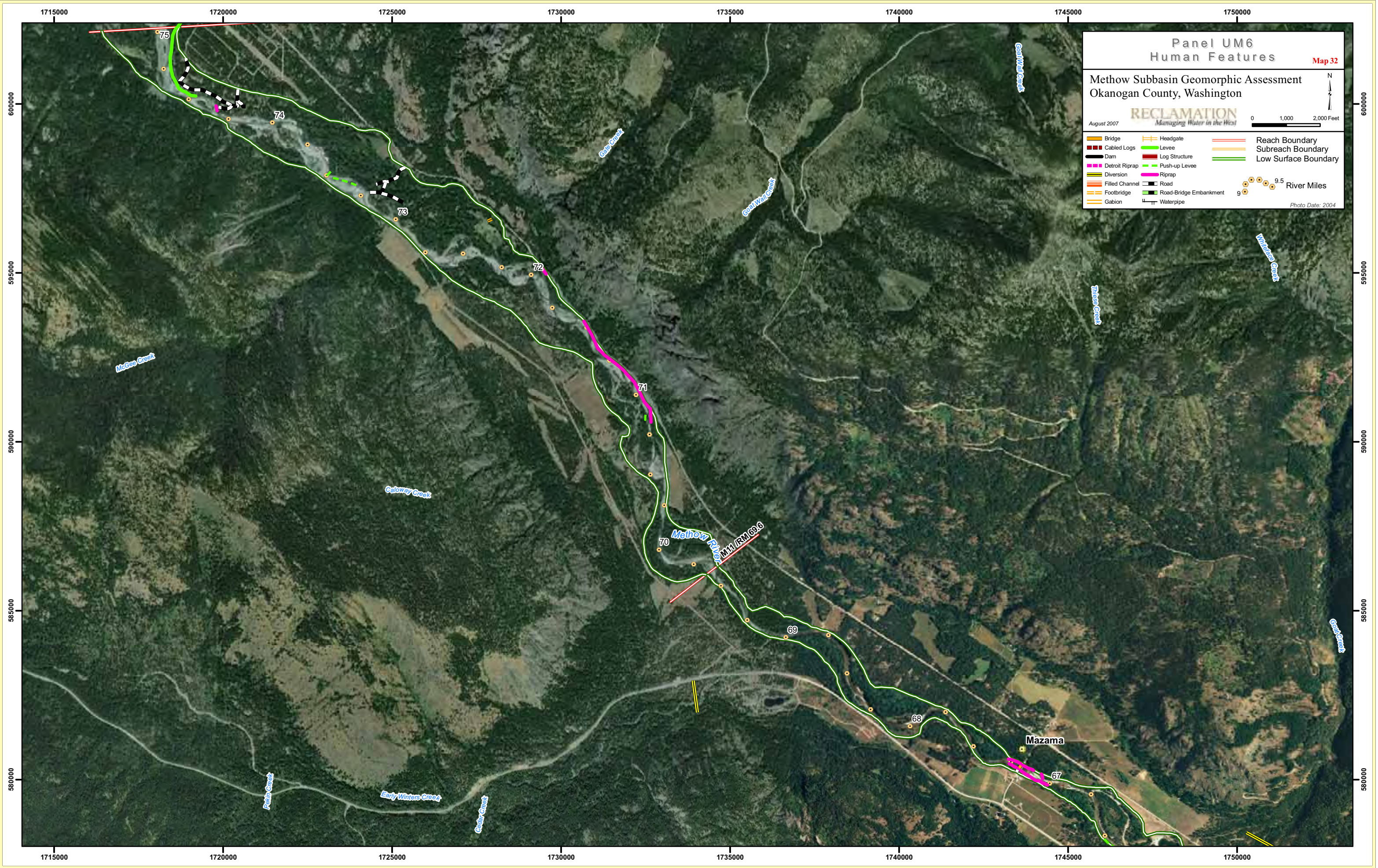


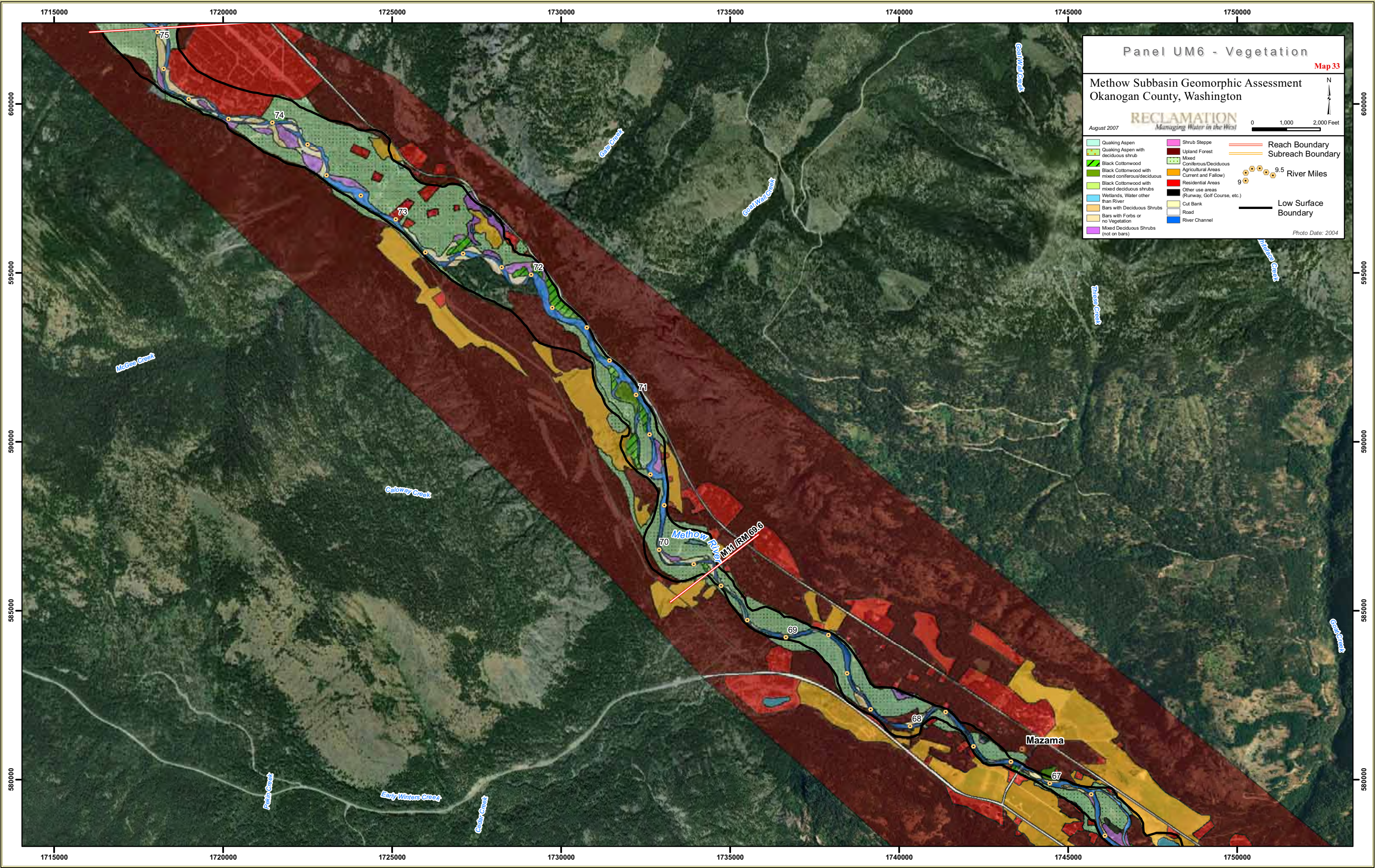


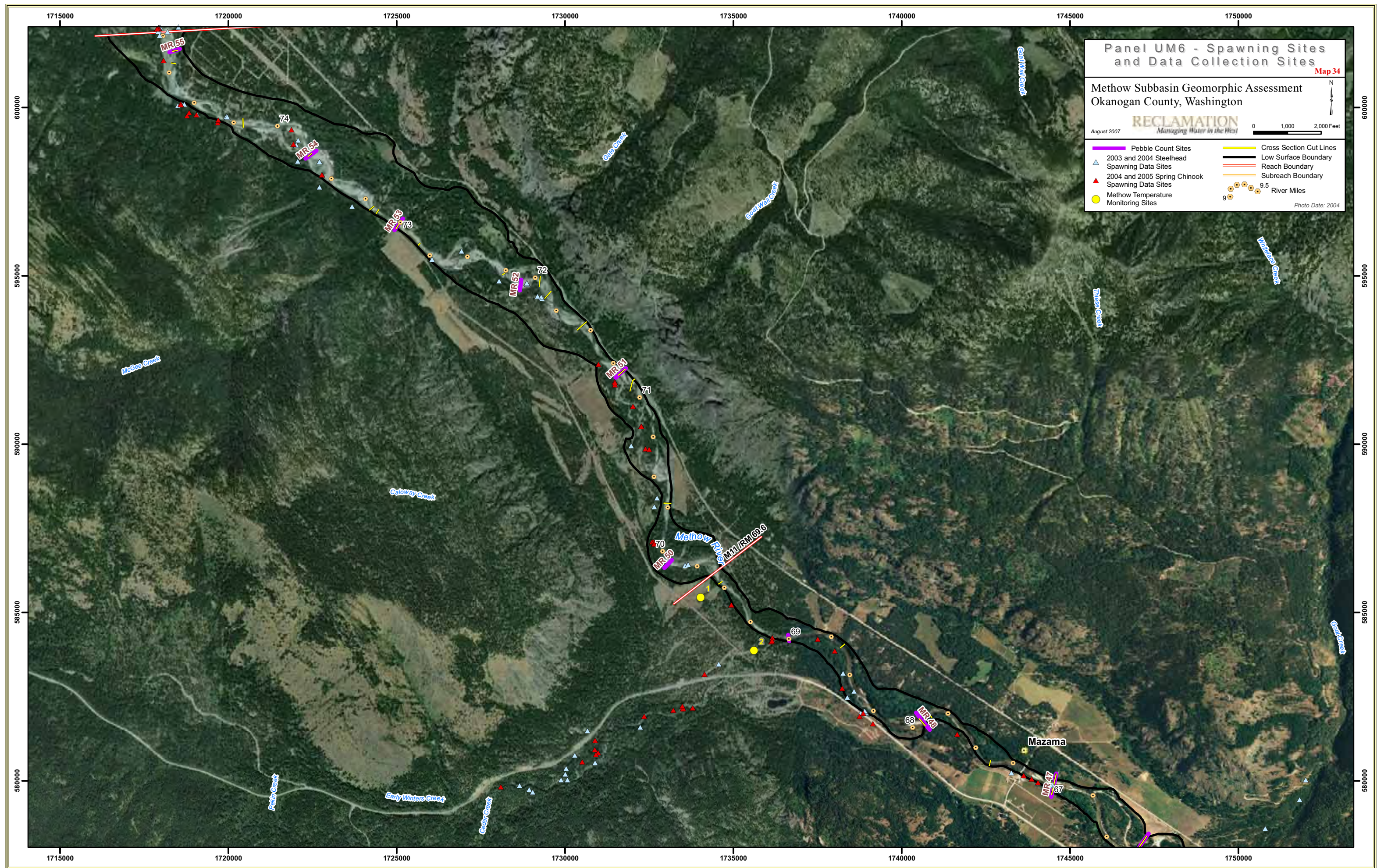


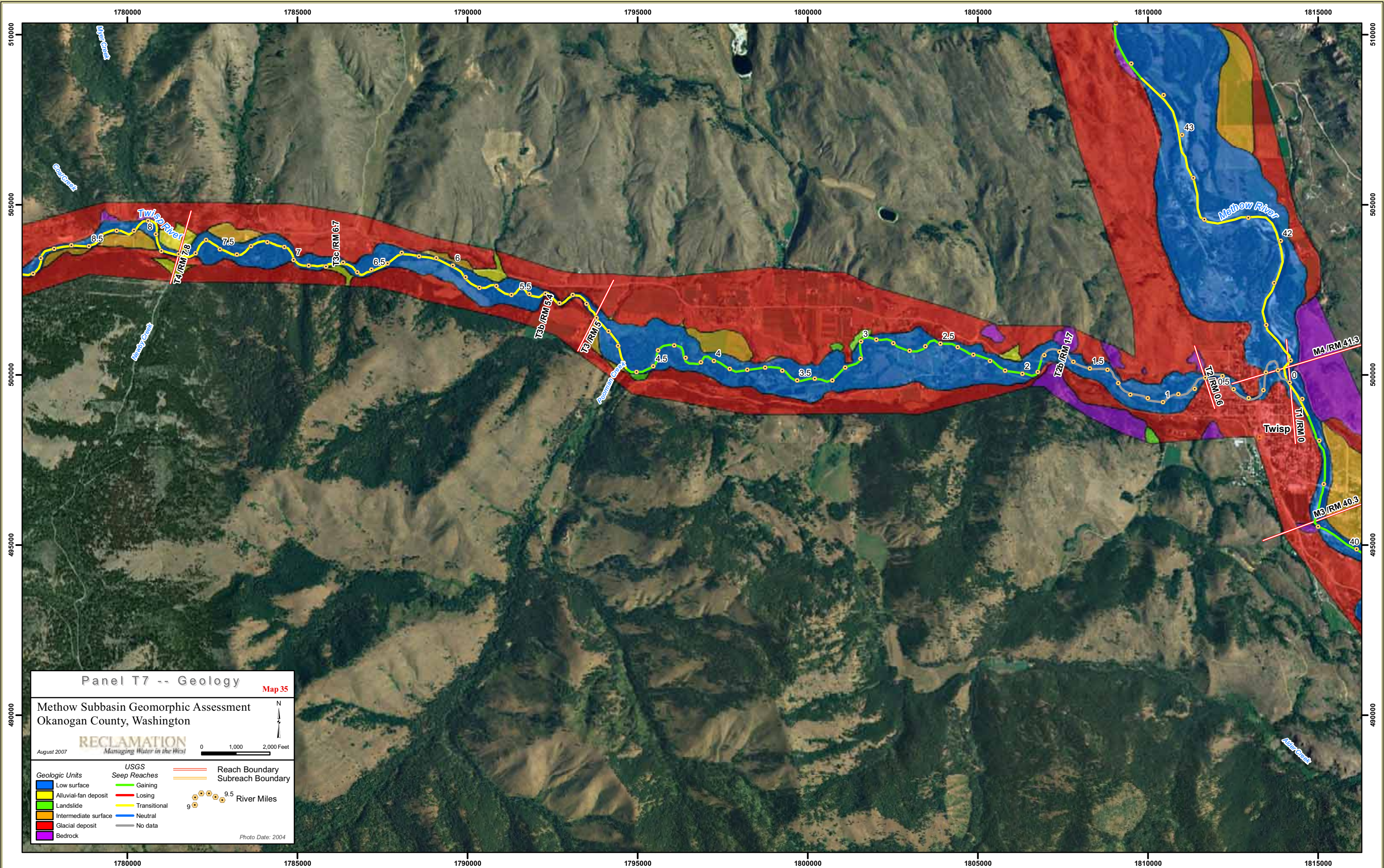


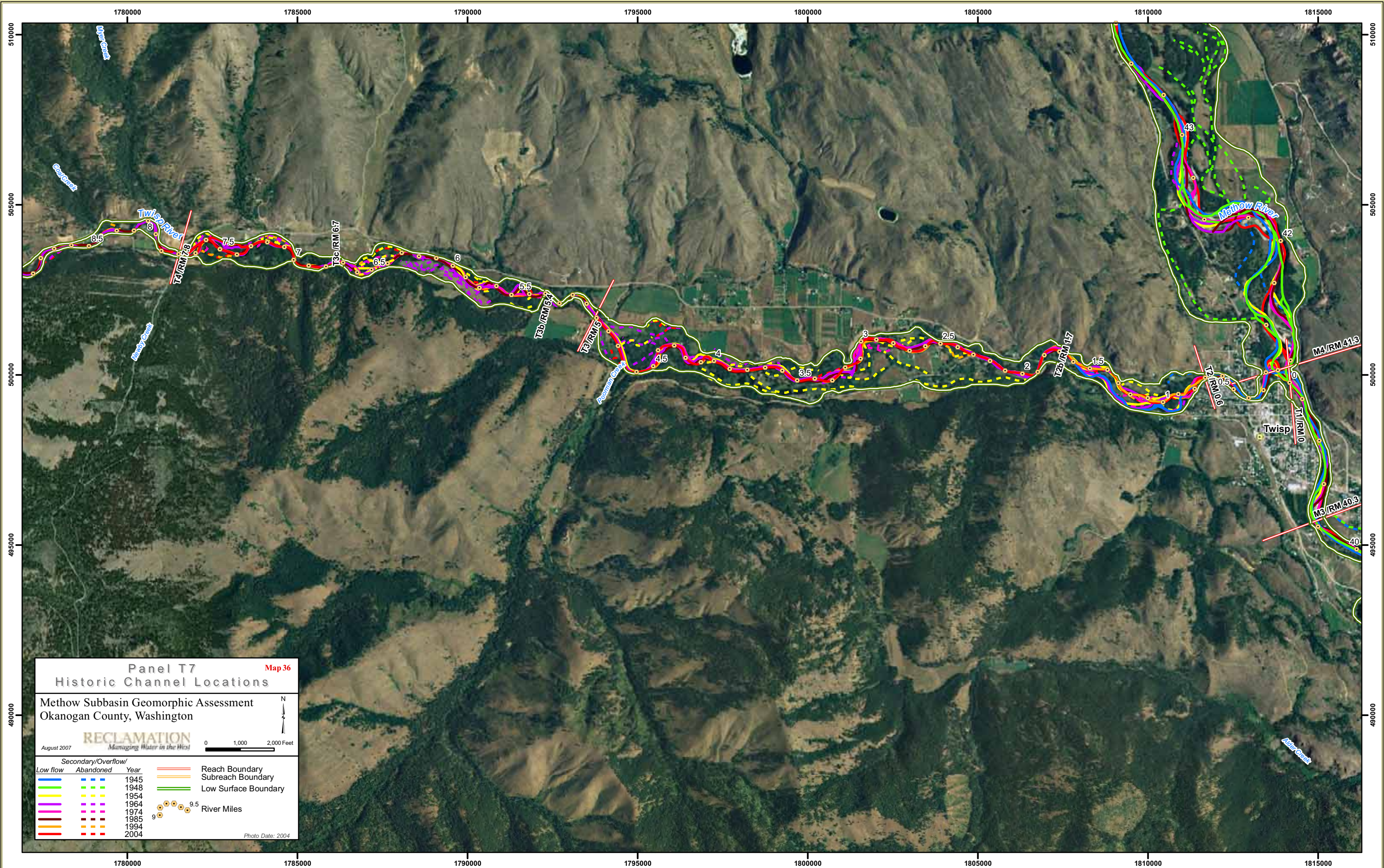


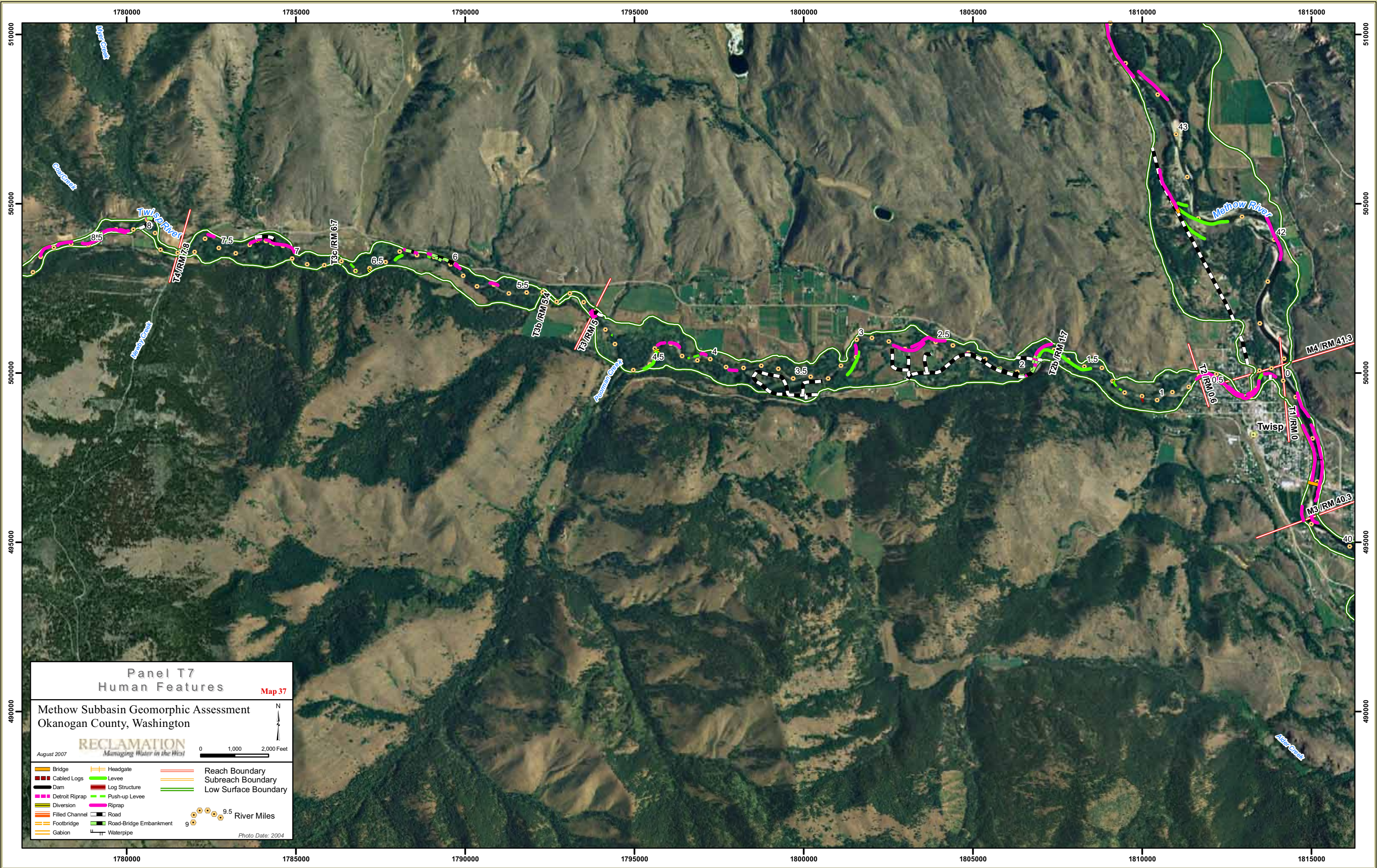


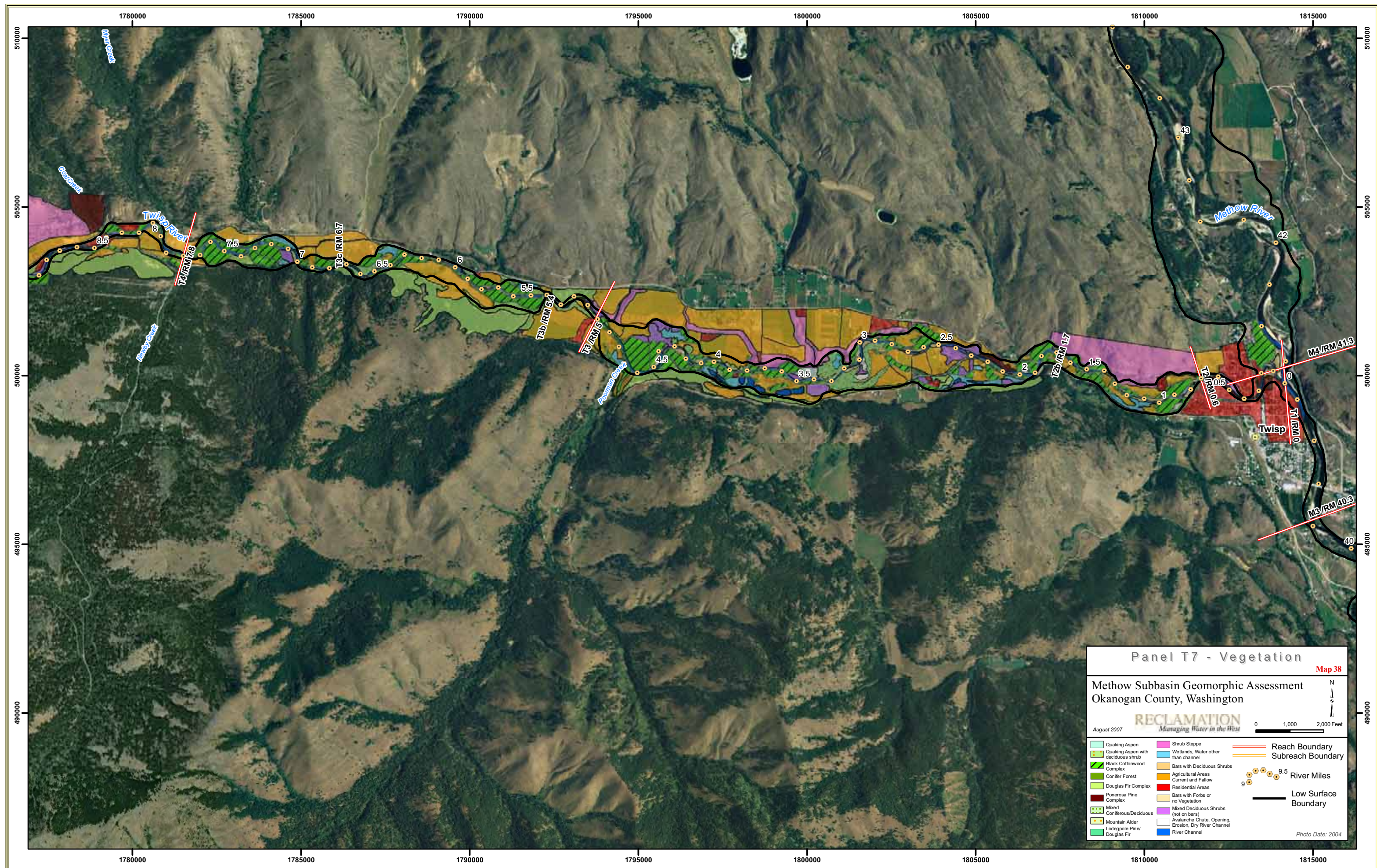


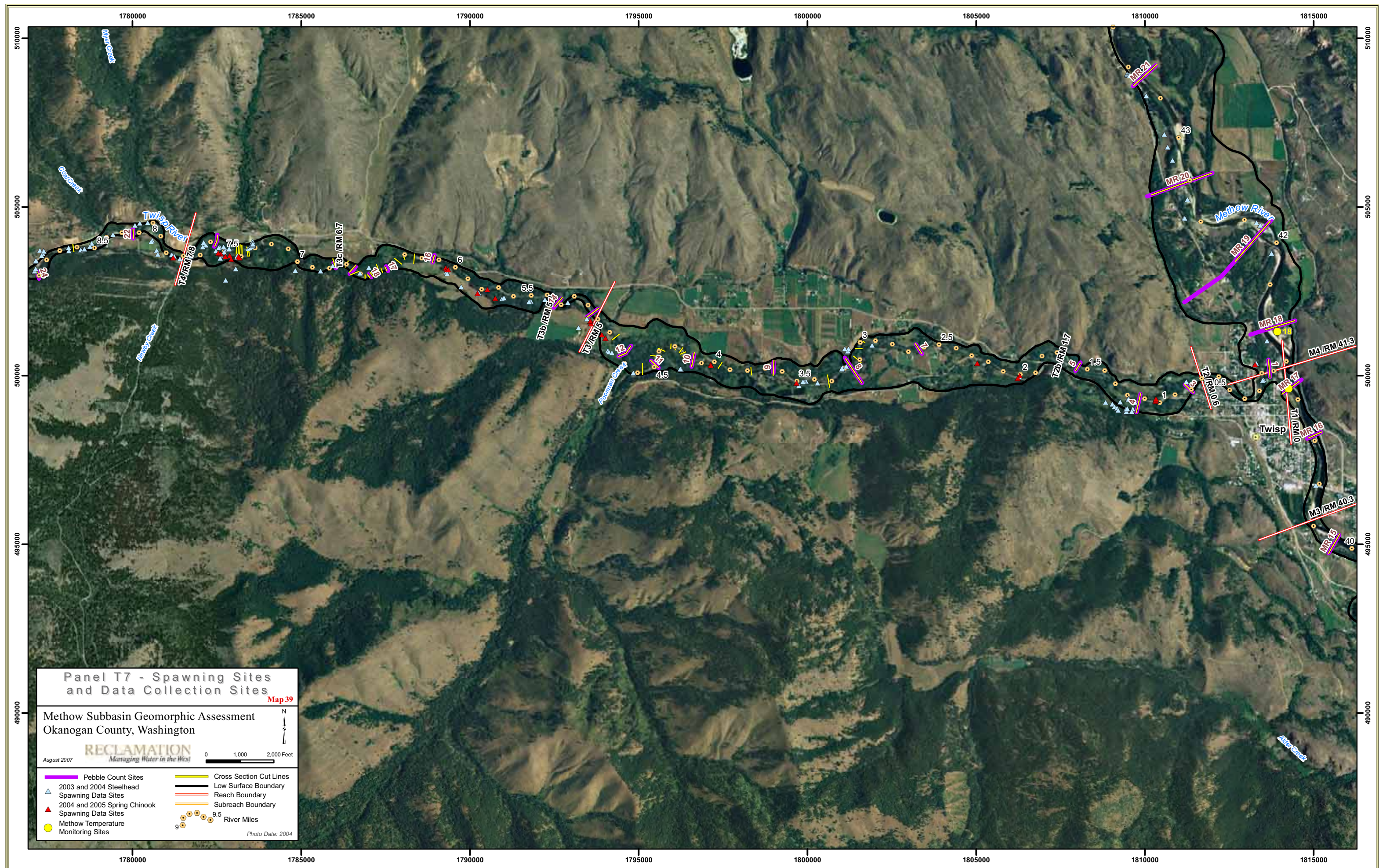


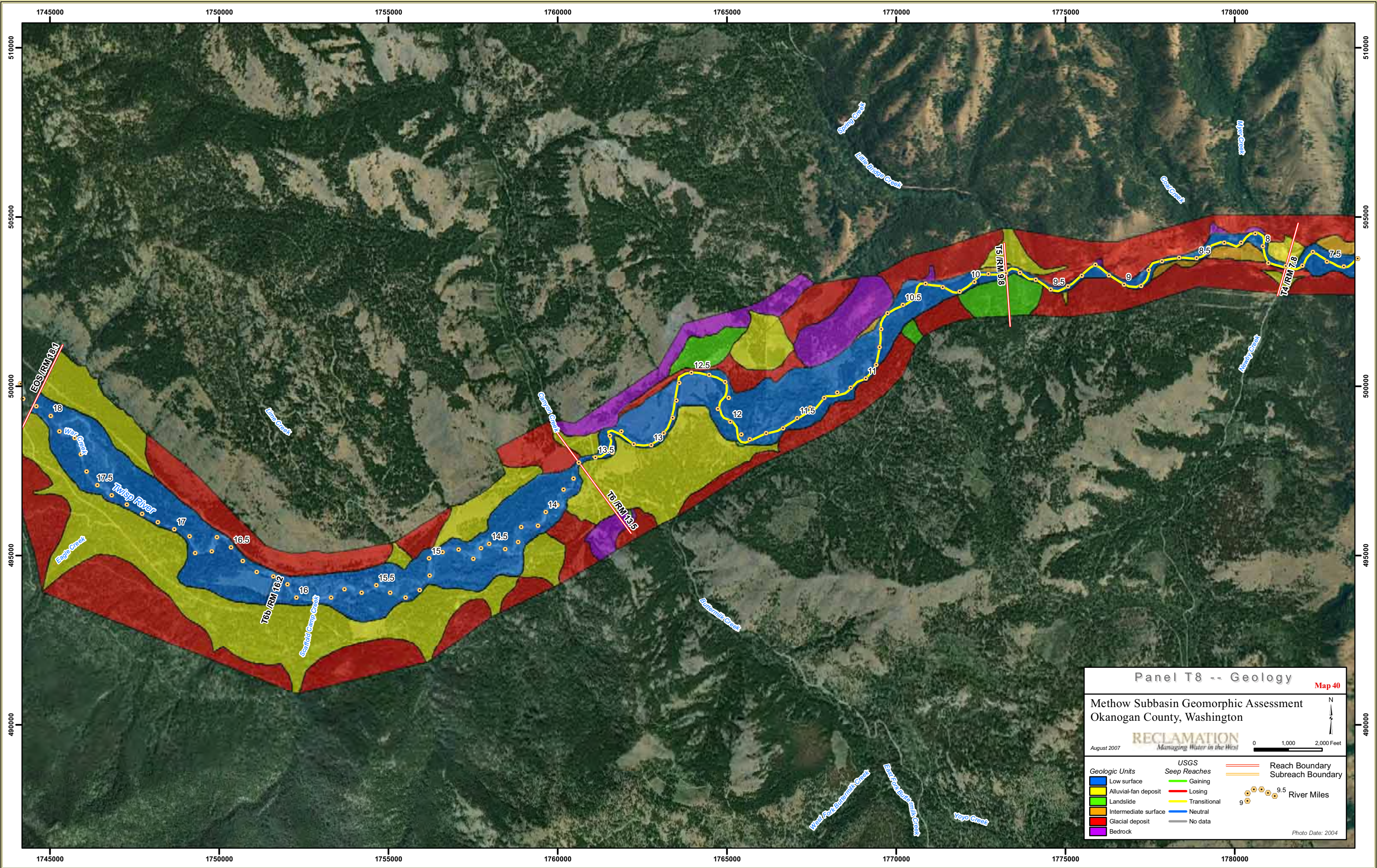


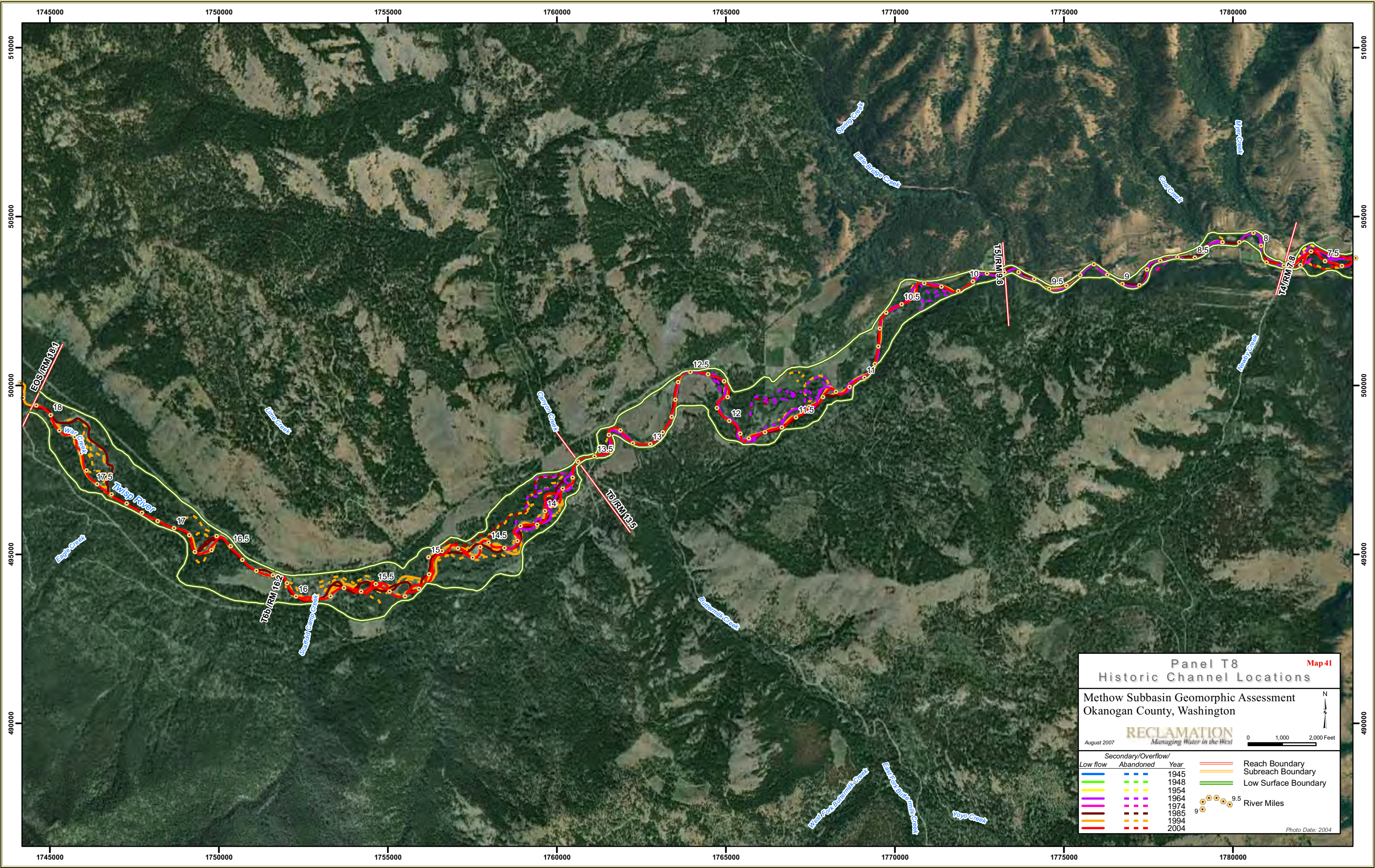












Panel T8

Historic Channel Locations

Map 41

Methow Subbasin Geomorphic Assessment

Okanogan County, Washington

RECLAMATION

Managing Water in the West

August 2007

010002000

Feet

Secondary/Overflow/

Low flow

Abandoned

Year

1945

1948

1954

1964

1974

1985

1994

2004

Reach Boundary

Subreach Boundary

Low Surface Boundary

9.5

9

River Miles

Photo Date: 2004

