APPENDIX C

Table C-1
Riprap Revetment Summary

Location (sta)	Length (ft)	Volume (cy)
Segment 1 Option A		
260	150	1300
Segment 1 Option B		
140	2,000	17,600
185	500	4,400
Segment 2		
260	1,400	12,300
278	700	6,100
301	2,700	23,700
391	200	1,800
Segment 3		
485	400	3,500
491	300	2,600
674	100	900
677	200	1,800
Segment 4		
809	200	1,800
931	600	5,200
944	1600	14,000
1006	100	900
1013	200	1,800
1018	100	900
Segment 5		
1416	1200	10,500
1480	500	4,400
TOTALS	13,150	115,500

Notes:
1. Revetments assumed 10 feet high, 5 feet thick, 1(v):2(h) side slopes, and 10 feet long toe.

Table C-2
Bridge Summary

Location (sta)	Assumed Length (ft)	50-year Design Peak Discharge (cfs)
Segment 1 Option A		
121	160 Bridge or Large Culvert	Power House Discharge (cfs unknown)
225	326	30,100
Segment 1Option B		
50	100	1,000
54	100	1,000
134	225	10,900
268	400	40,600
Segment 1Option C		
55	200	2,200
60	100	1,100
250	400	3,700
Segment 2		
345	200	3,300
Segment 3		
565	200	3,400
Segment 4		
762	200	1,000
867	500	18,200
971	350	10,000
1090	300	8,700
1108	170	3,800
Segment 5		
1382	185	2,400
1495	350	1,400
TOTALS	4,466	

Notes:
1. Assume 15 feet minimum clearance between channel bottom and bridge low chord and spill through abutments with 1(v):2(h) side slopes.

Table C-3
Large Diameter Culvert Summary

Location (sta)	Assumed Diameter (ft)	50-year Design Peak Discharge (cfs)
Segment 1 Option A		
155	12	650
Segment 1 Option B		
103	10	600
Segment 1 Option C		
25	10	500
Segment 3		
526	12	900
615	10	600
705	10	500
Segment 5		
1206	12	900
1364	10	500
TOTALS	8 culverts	

Notes:
1. Assume 15 feet minimum clearance between channel bottom and bridge low chord and spill through abutments with 1(v):2(h) side slopes.

STATE	PROJECT	SHEET NUMBER
AK	PLD 2003(1)	1

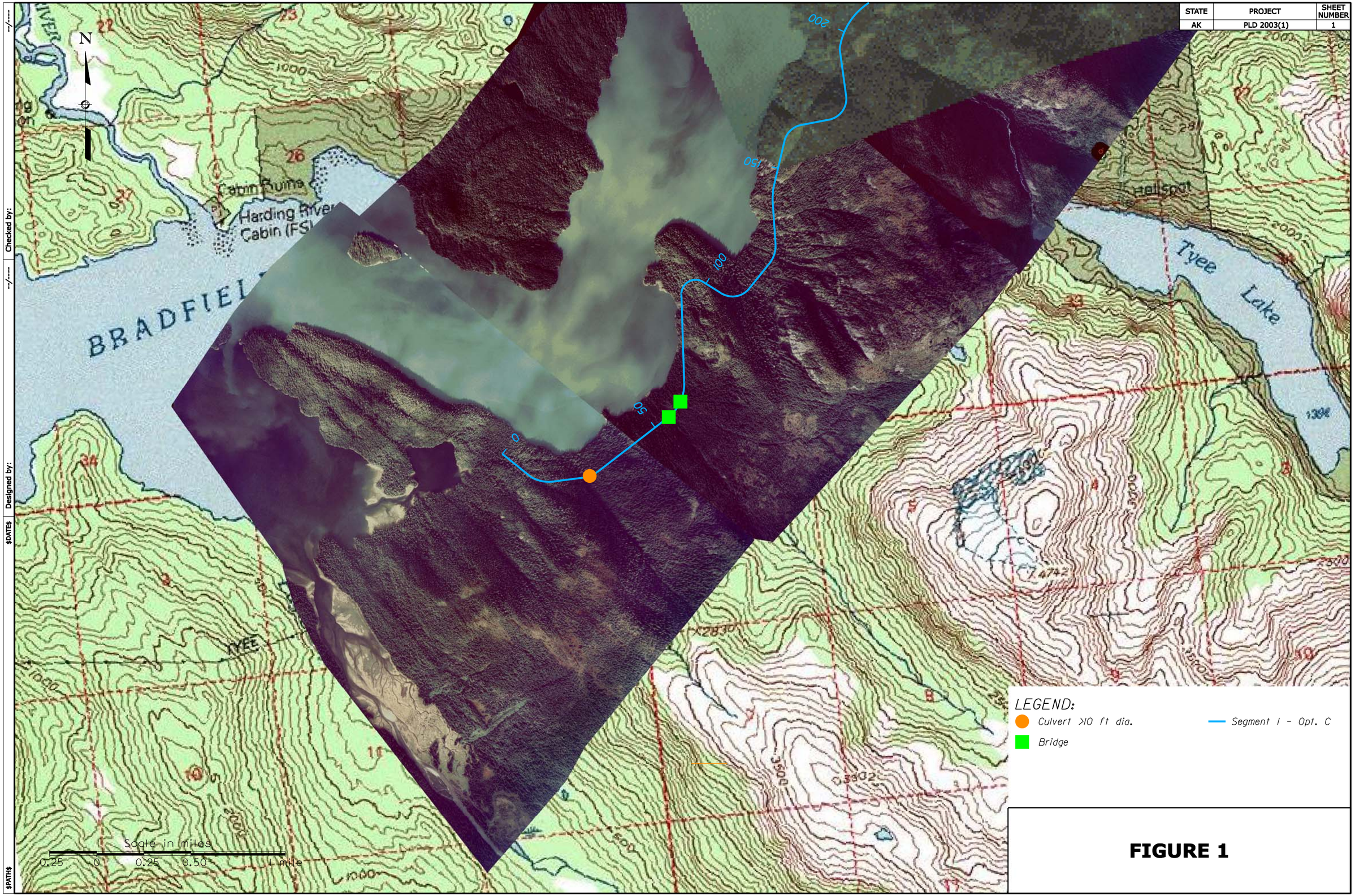

FIGURE 1

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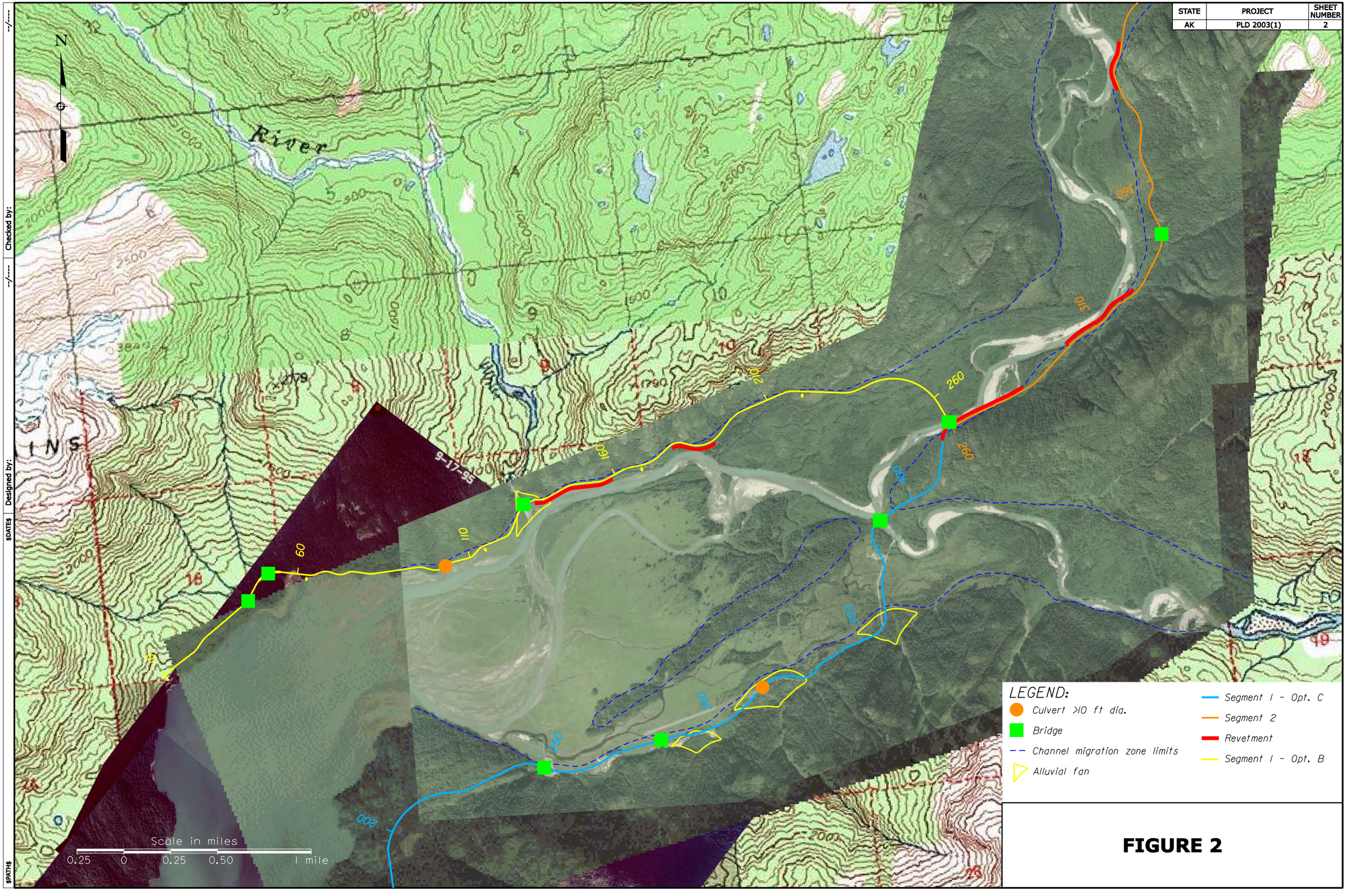

FIGURE 2

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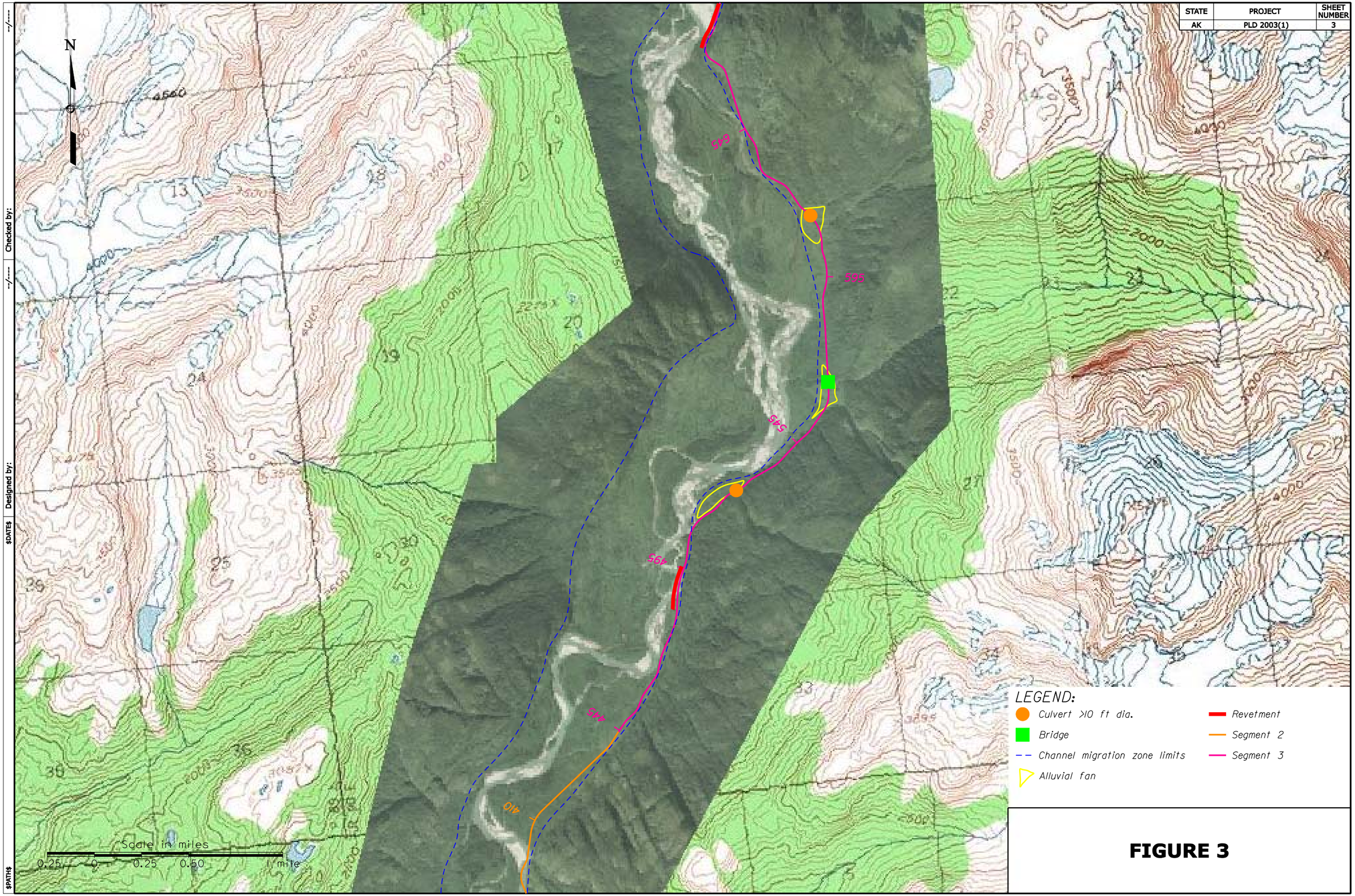

FIGURE 3

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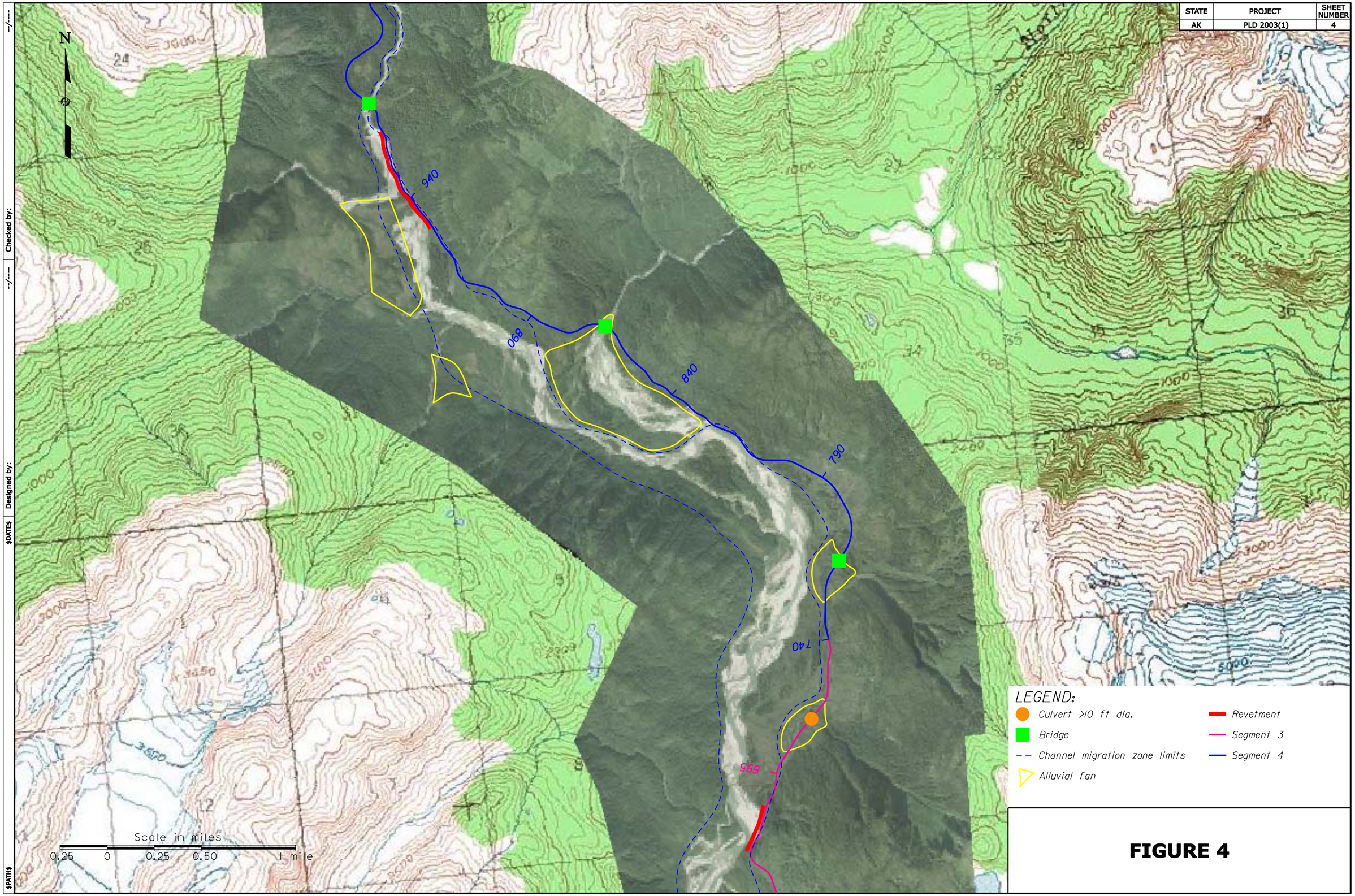

FIGURE 4

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STATE	PROJECT	SHEET NUMBER
AK	PLD 2003(1)	5

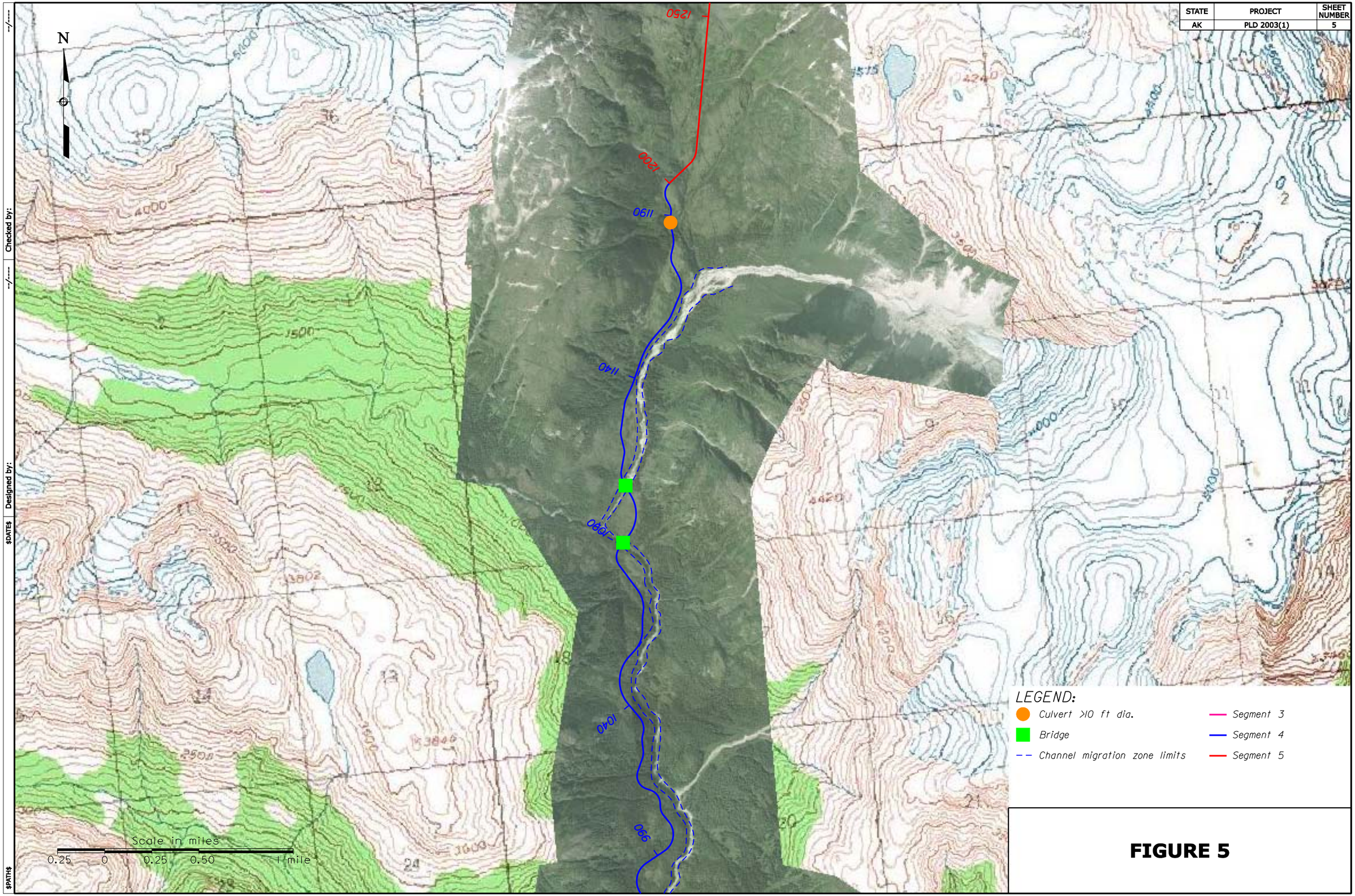

FIGURE 5

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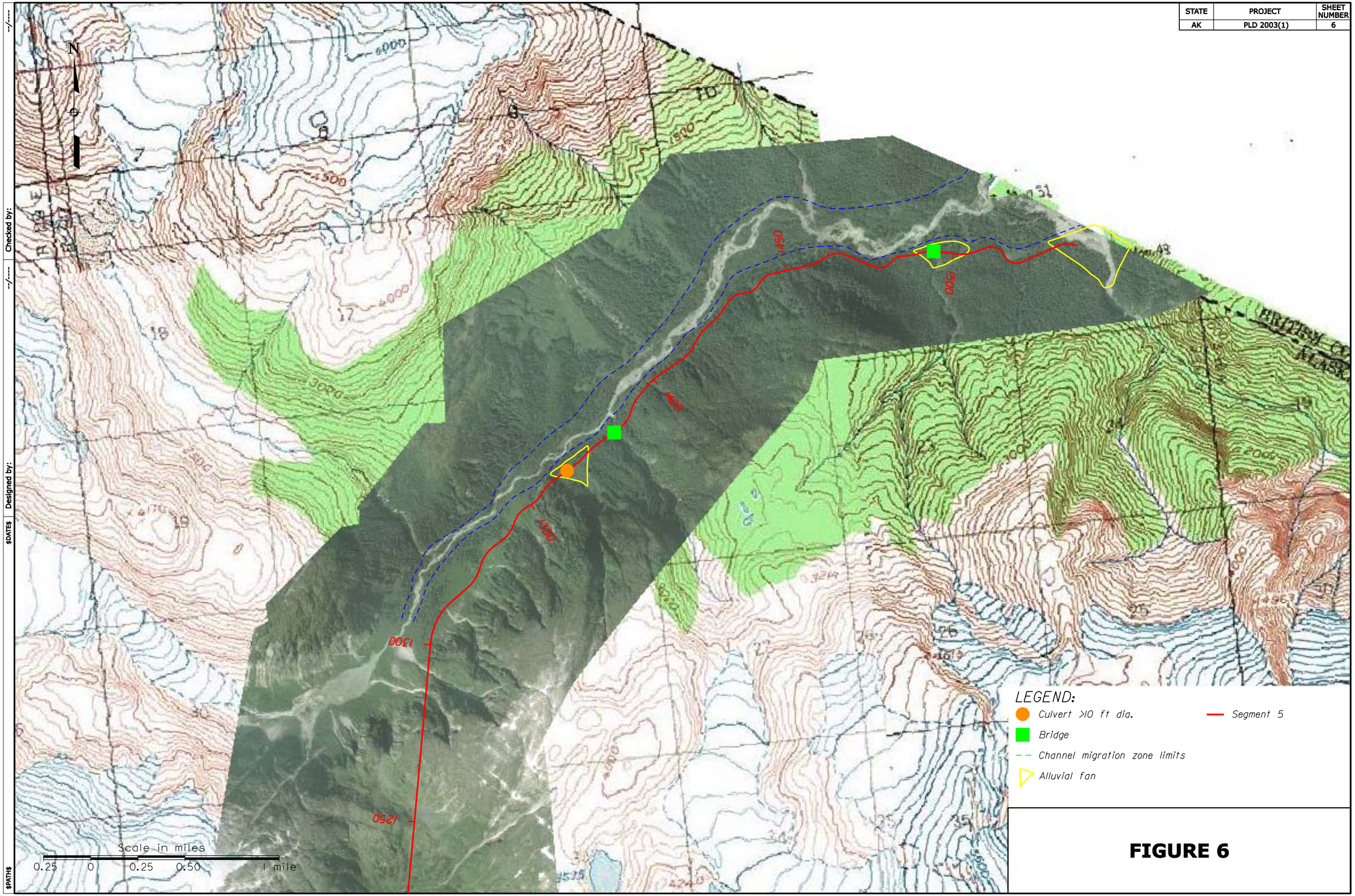

FIGURE 6

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