

FOCUS AREA SUMMARY AND MAPS WITH MACROHABITAT
CLASSIFICATION TYPES

Table 1. Locations, descriptions and selection rationale of 10 Proposed Focus Areas identified for detailed study in the Revised Study Plan, Middle River Segment of the Susitna River (AEA 2012). Focus Area identification numbers (e.g., Focus Area 184) represent the truncated Project River Mile (PRM) at the downstream end of each Focus Area.

Focus Area ID	Common Name	Description	Geomorphic Reach	Location (PRM)		Area Length (mi)	Habitat Types Present						Fish use in 1980s		Instream Flow Studies in 1980s			Rationale for Selection			
				Upstream	Downstream		Main Channel, Single	Main Channel, Split	Main Channel, Multiple Split	Side Channel	Side Slough	Upland Slough	Tributary	Spawning	Rearing	IFG	DIHAB		RJHAB		
Focus Area-184	Watana Dam	Area approximately 1.4 miles downstream of dam site	MR-1	185.7	184.7	1.0	X				X					N/A	N/A	N/A	N/A	N/A	Focus Area-184 length comprises 50% of MR-1 reach length (2 miles long) and contains split main channel and side channel habitat present in this reach.
Focus Area-173	Stephan Lake, Complex Channel	Wide channel near Stephan Lake with complex of side channels	MR-2	175.4	173.6	1.8	X				X	X	X	X	N/A	N/A	N/A	N/A	N/A	N/A	Focus Area-173 contains a complex of main channel and off-channel habitats within wide floodplain. Represents greatest channel complexity within MR-2. Reach MR-2 is 15.5 miles long and channel is generally straight with few side channels and moderate floodplain width (2-3 main channel widths).
Focus Area-151	Portage Creek	Single channel area at Portage Creek confluence	MR-5	152.3	151.8	0.5	X							X	X	X					Focus Area-151 is a single main channel and thus representative of the confined Reach MR-5. Portage Creek is a primary tributary of the Middle Segment and the confluence supports high fish use.
Focus Area-144	Side Channel 21	Side channel and side slough complex approximately 2.3 miles upstream Indian River	MR-6	145.7	144.4	1.3	X				X	X	X	X	X	X					Focus Area-144 contains a wide range of main channel and off-channel habitats, which are common features of Reach MR-6. Side Channel 21 is a primary salmon spawning area. Reach MR-6 is 26 miles long (30% of Middle Segment length) and is characterized by a wide floodplain and complex channel morphology with frequent channel splits and side channels.
Focus Area-141	Indian River	Area covering Indian River and upstream channel complex	MR-6	143.4	141.8	1.6	X		X	X		X	X	X	X			X			Focus Area-141 includes the Indian River confluence and a range of main channel and off-channel habitats. High fish use of the Indian River mouth has been documented and DIHAB modeling was performed in main channel areas in the 1980s. Studies in the 1980s did not document high fish use of lateral habitats on the right bank upstream of the Indian River confluence.
Focus Area-138	Gold Creek	Channel complex including Side Channel 11 and Slough 11	MR-6	140	138.5	1.5	X		X	X	X	X		X	X	X					The Focus Area-138 primary feature is a complex of side channel, side slough and upland slough habitats, each of which support high adult and juvenile fish use. Complex channel structure of Focus Area-138 is characteristic of Reach MR-6. IFG modeling was performed in side channel habitats in the 1980s.

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Focus Area-128	Skull Creek Complex	Channel complex including Slough 8A and Skull Creek side channel	MR-6	129.7	128.1	1.6	X				X	X	X	X	X	X	X			Focus Area-128 consists of side channel, side slough and tributary confluence habitat features that are characteristic of the braided MR-6 reach. Side channel and side slough habitats support high juvenile and adult fish use and habitat modeling was completed in side channel and side slough habitats.
Focus Area-115	Lane Creek	Area 0.6 miles downstream of Lane Creek, including Upland Slough 6A	MR-7	116.5	115.3	1.2	X	X			X		X		X	X			X	Focus Area-115 contains side channel and upland slough habitats that are representative of MR-7. Reach MR-7 is a narrow reach with few braided channel habitats. Upland Slough 6A is a primary habitat for juvenile fish and habitat modeling was done in side channel and upland slough areas.
Focus Area-113	Oxbow I	Oxbow I Complex and Upstream Area	MR-7	115.3	113.6	1.7	X	X			X		X	X	X	X				Focus Area-113 was added in response to Agency comments that important fish habitat area was underrepresented in MR-7. Oxbow I is an important chum salmon rearing area.
Focus Area-104	Whiskers Slough	Whiskers Slough Complex	MR-8	106	104.8	1.2	X				X	X	X	X	X	X	X	X	X	Focus Area-104 contains diverse range of habitat, which is characteristic of the braided, unconfined Reach MR-8. Focus Area-104 habitats support juvenile and adult fish use and a range of habitat modeling methods were used in side channel and side slough areas.

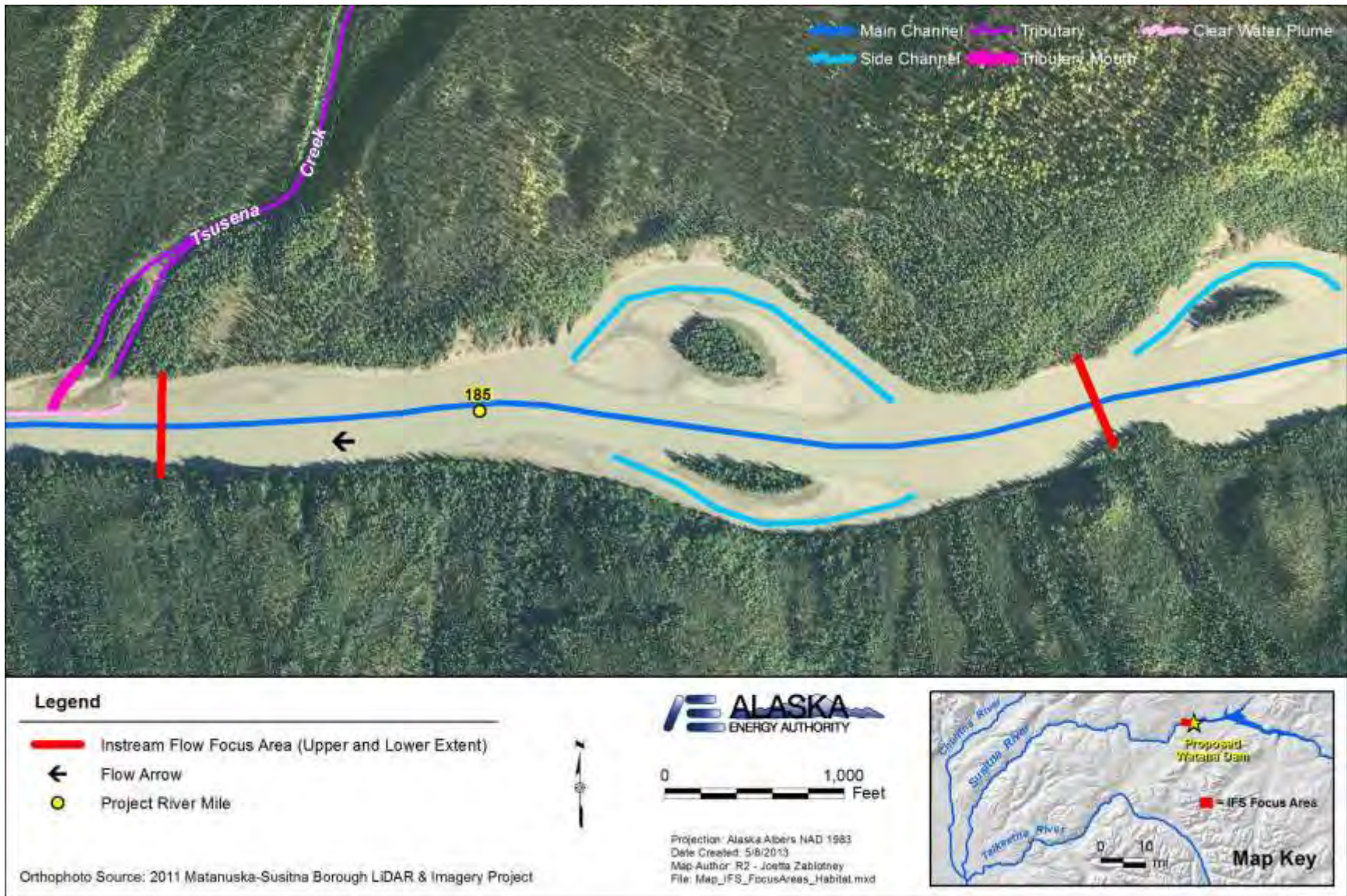


Figure 1. Map showing boundaries of FA-184 in Geomorphic Reach MR-1, along with associated mapped macro-habitat units (HDR 2013).

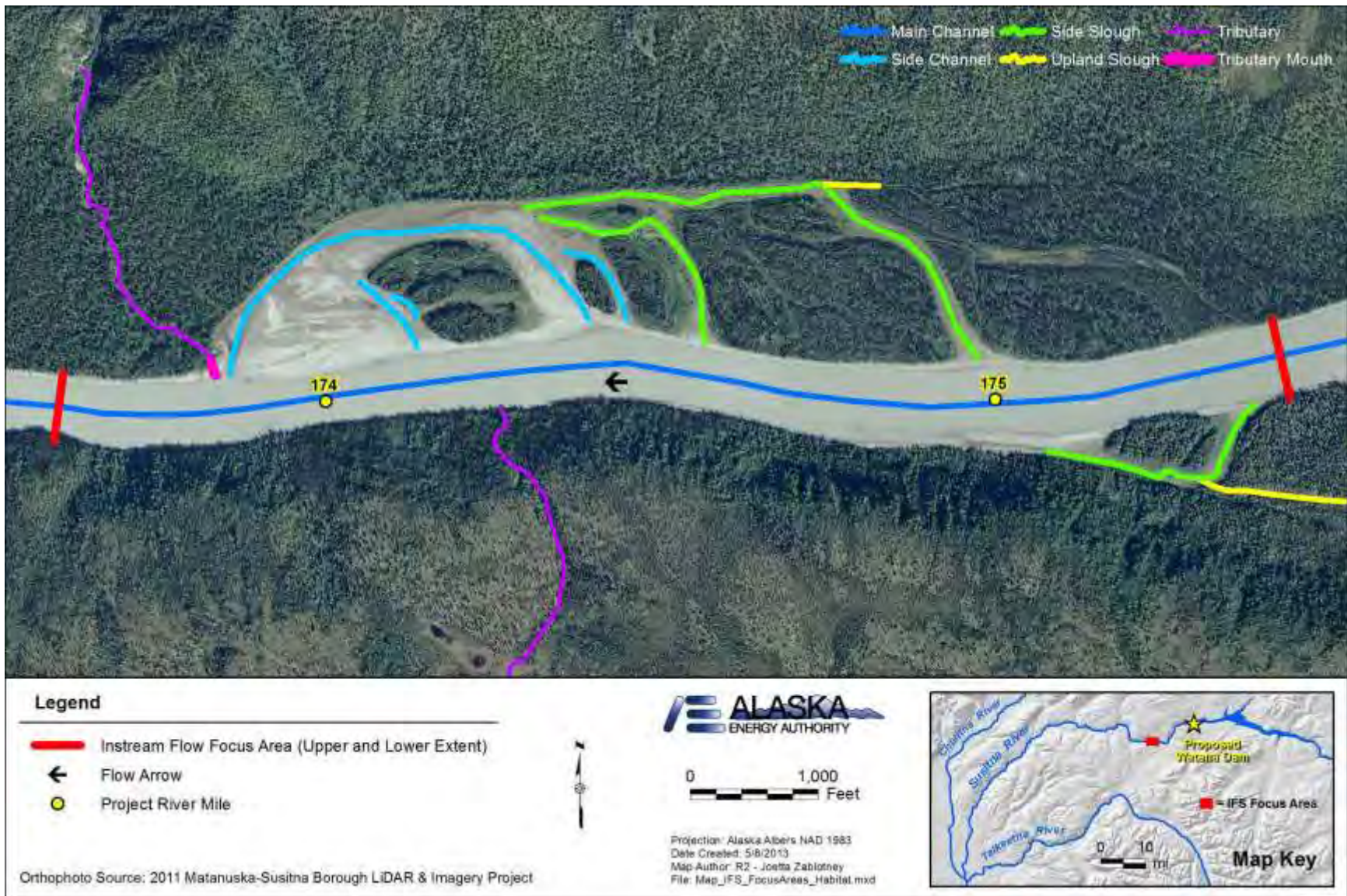


Figure 2. Map showing boundaries of FA-173 in Geomorphic Reach MR-2, along with associated mapped macro-habitat units (HDR 2013).

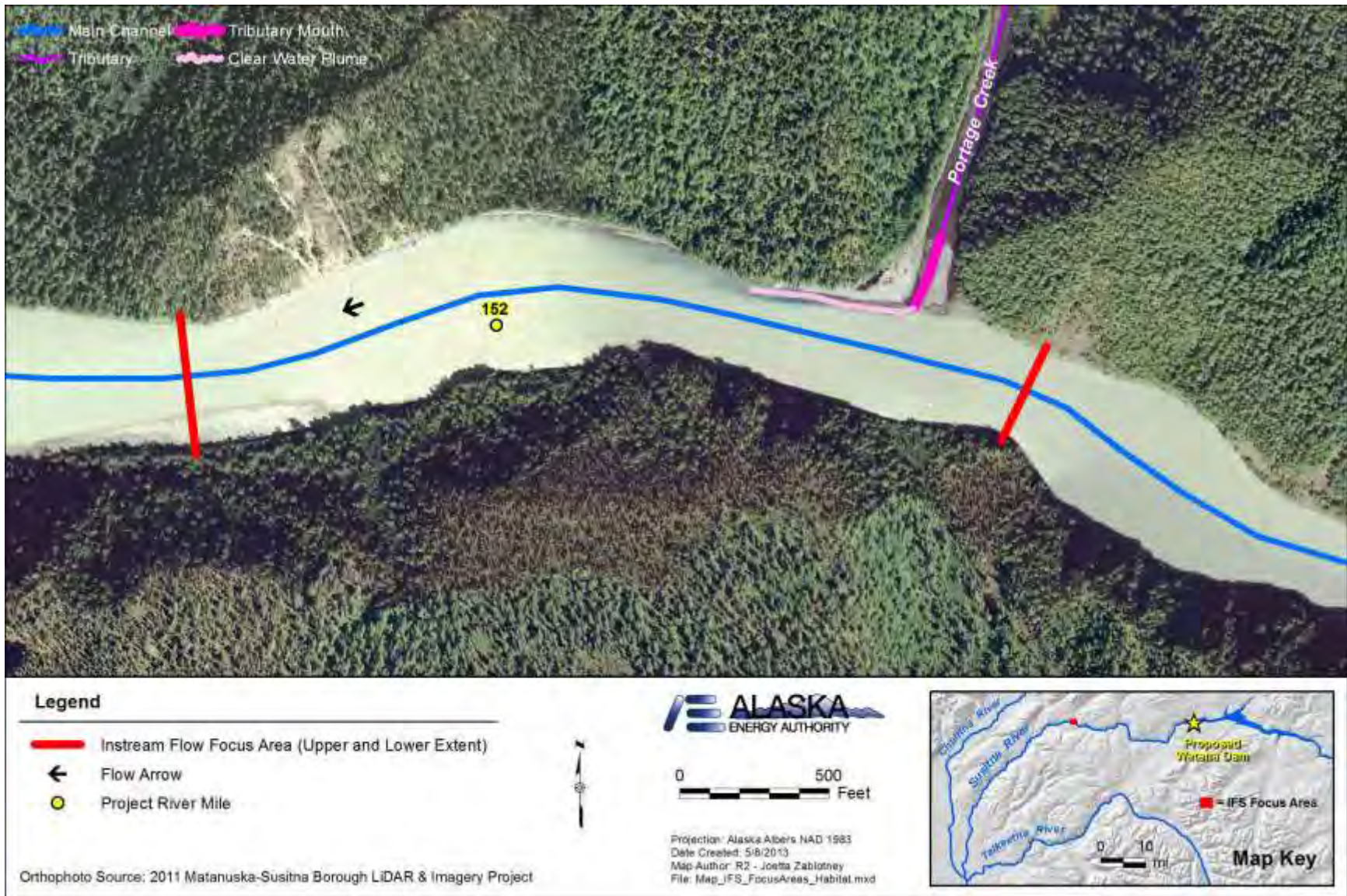


Figure 3. Map showing boundaries of FA-151 in Geomorphic Reach MR-5, along with associated mapped macro-habitat units (HDR 2013).

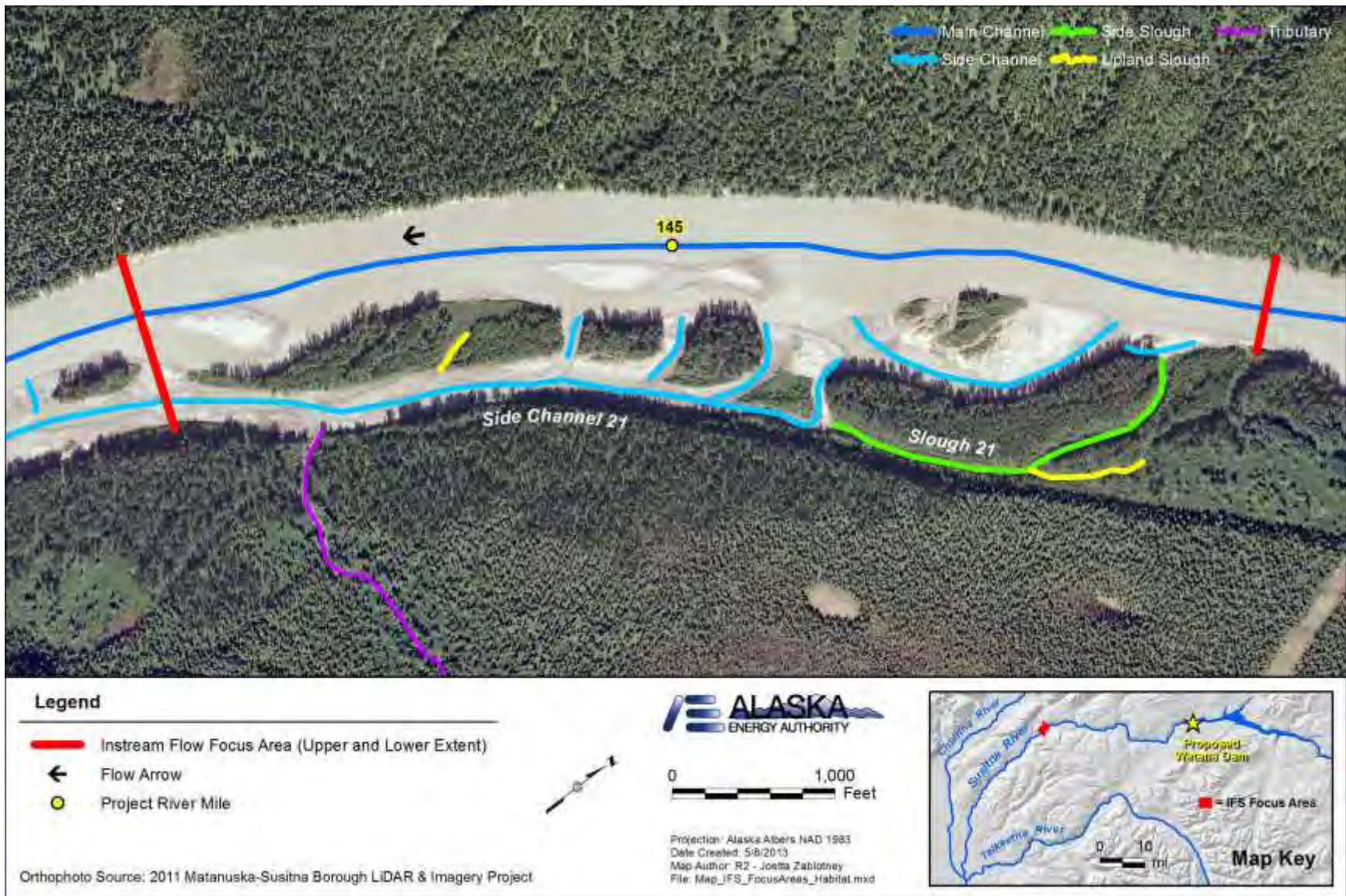


Figure 4. Map showing boundaries of FA-144 in Geomorphic Reach MR-6, along with associated mapped macro-habitat units (HDR 2013).

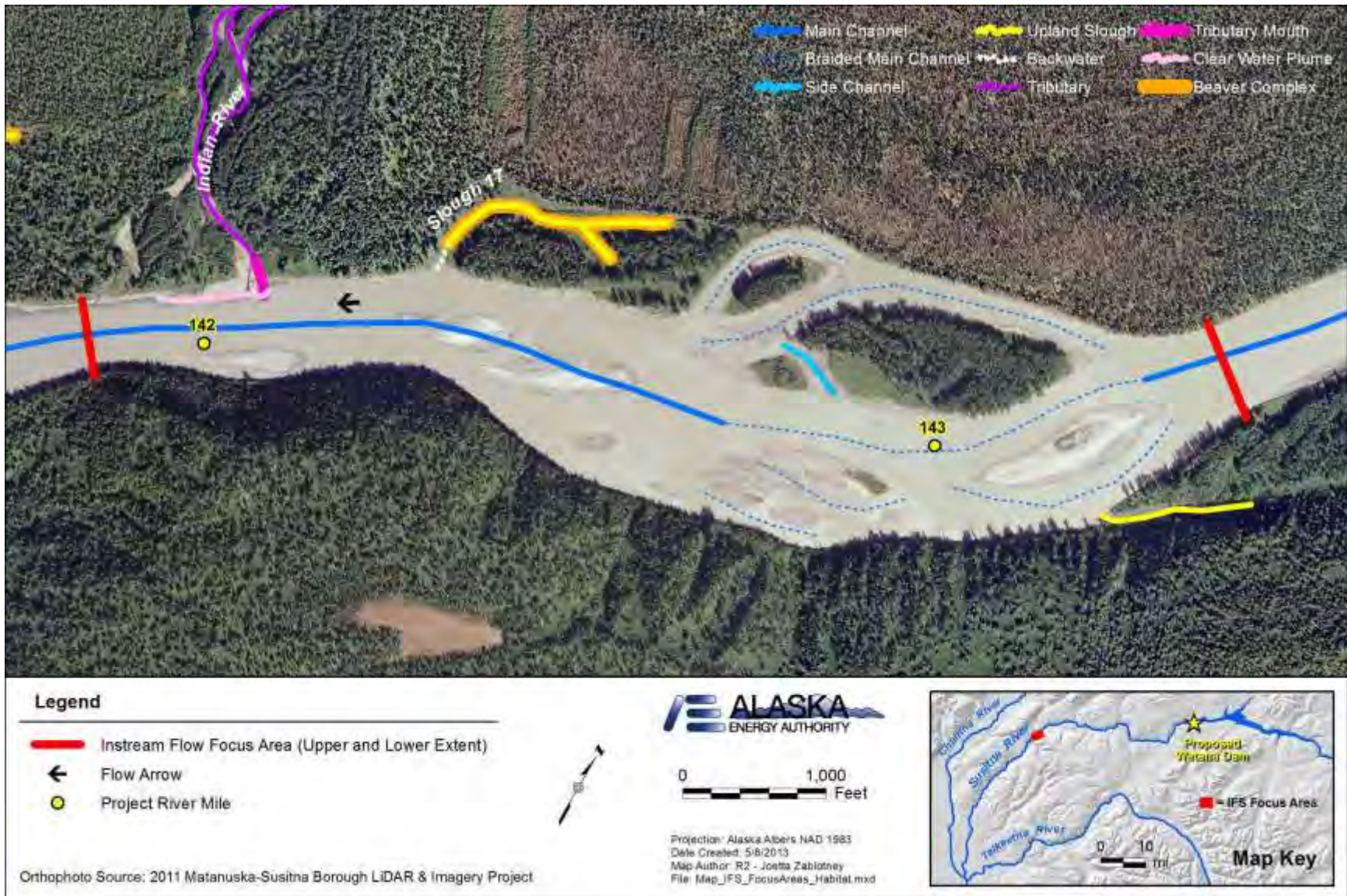


Figure 5. Map showing boundaries of FA-141 in Geomorphic Reach MR-6, along with associated mapped macro-habitat units (HDR 2013).

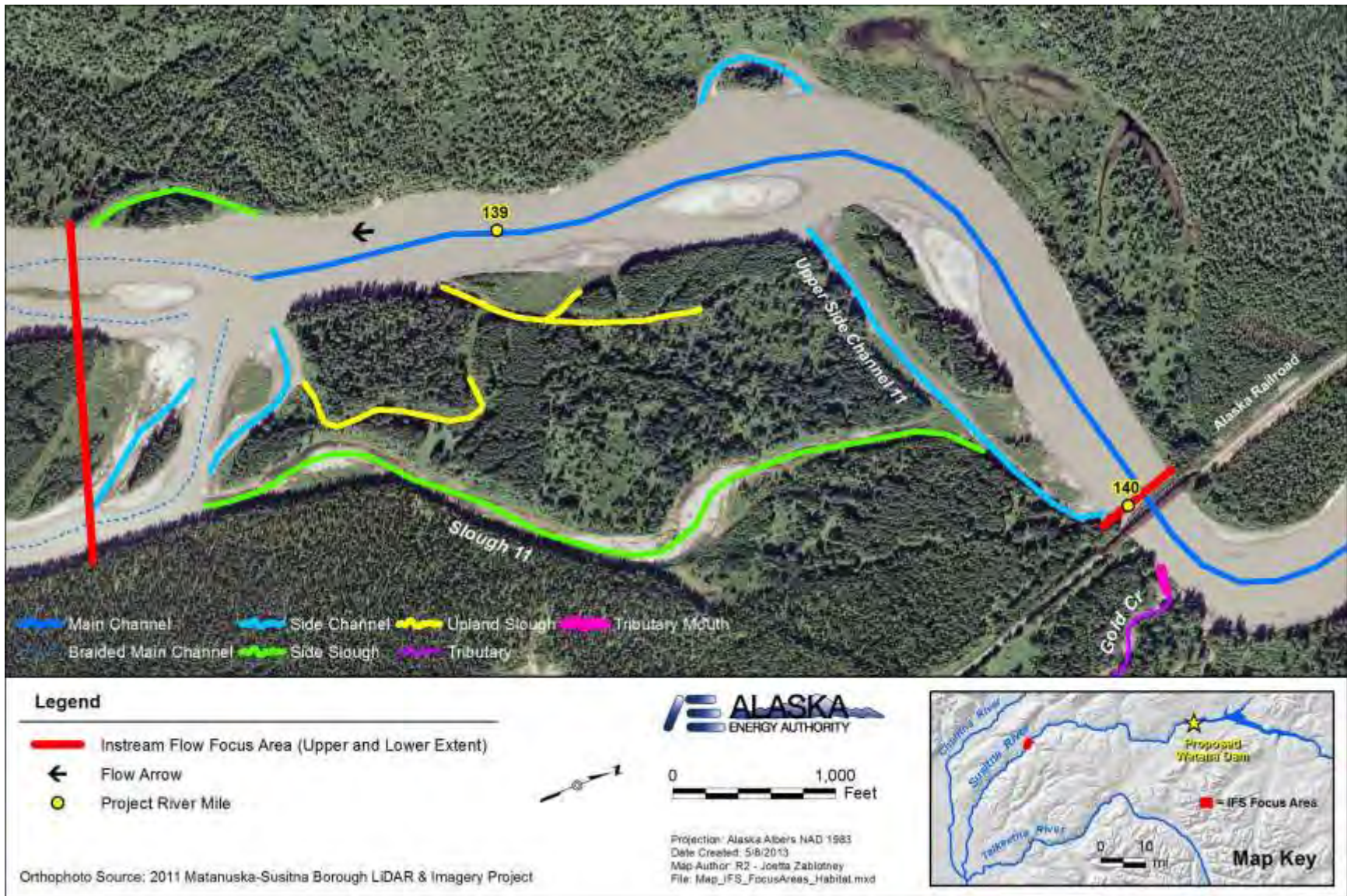


Figure 6. Map showing boundaries of FA-138 in Geomorphic Reach MR-6, along with associated mapped macro-habitat units (HDR 2013).

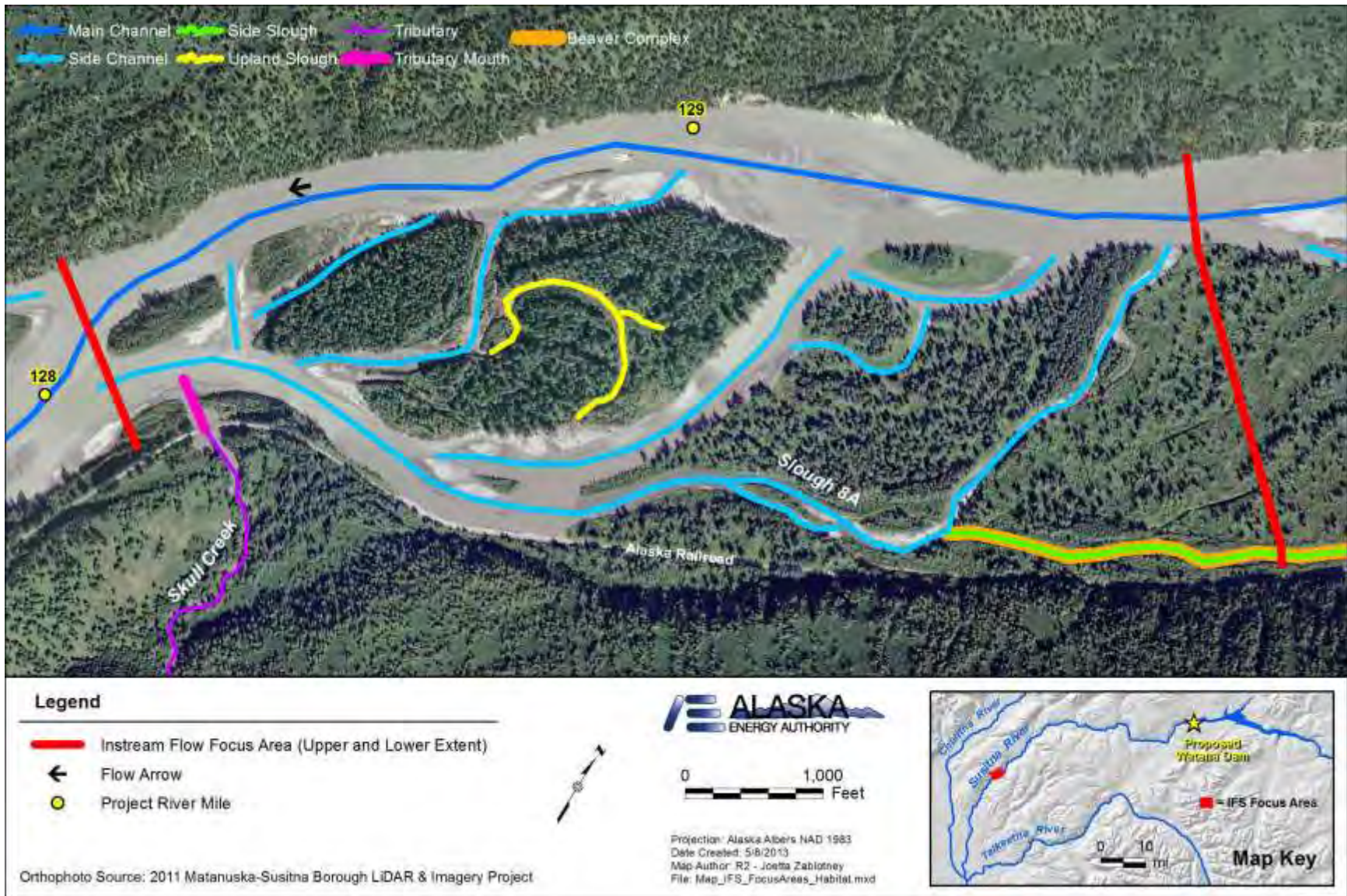


Figure 7. Map showing boundaries of FA-128 in Geomorphic Reach MR-6, along with associated mapped macro-habitat units (HDR 2013).

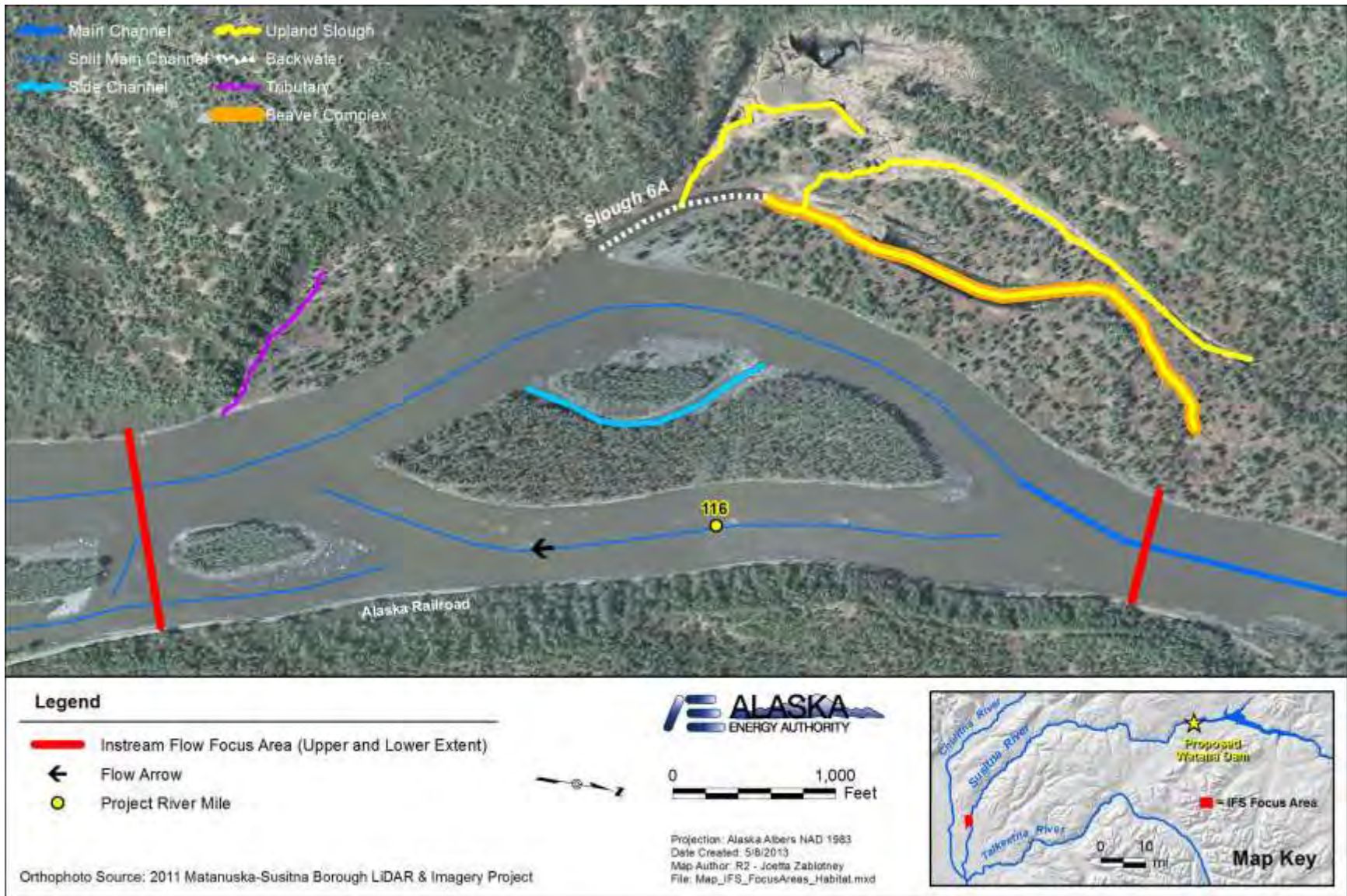


Figure 8. Map showing boundaries of FA-115 in Geomorphic Reach MR-7, along with associated mapped macro-habitat units (HDR 2013).

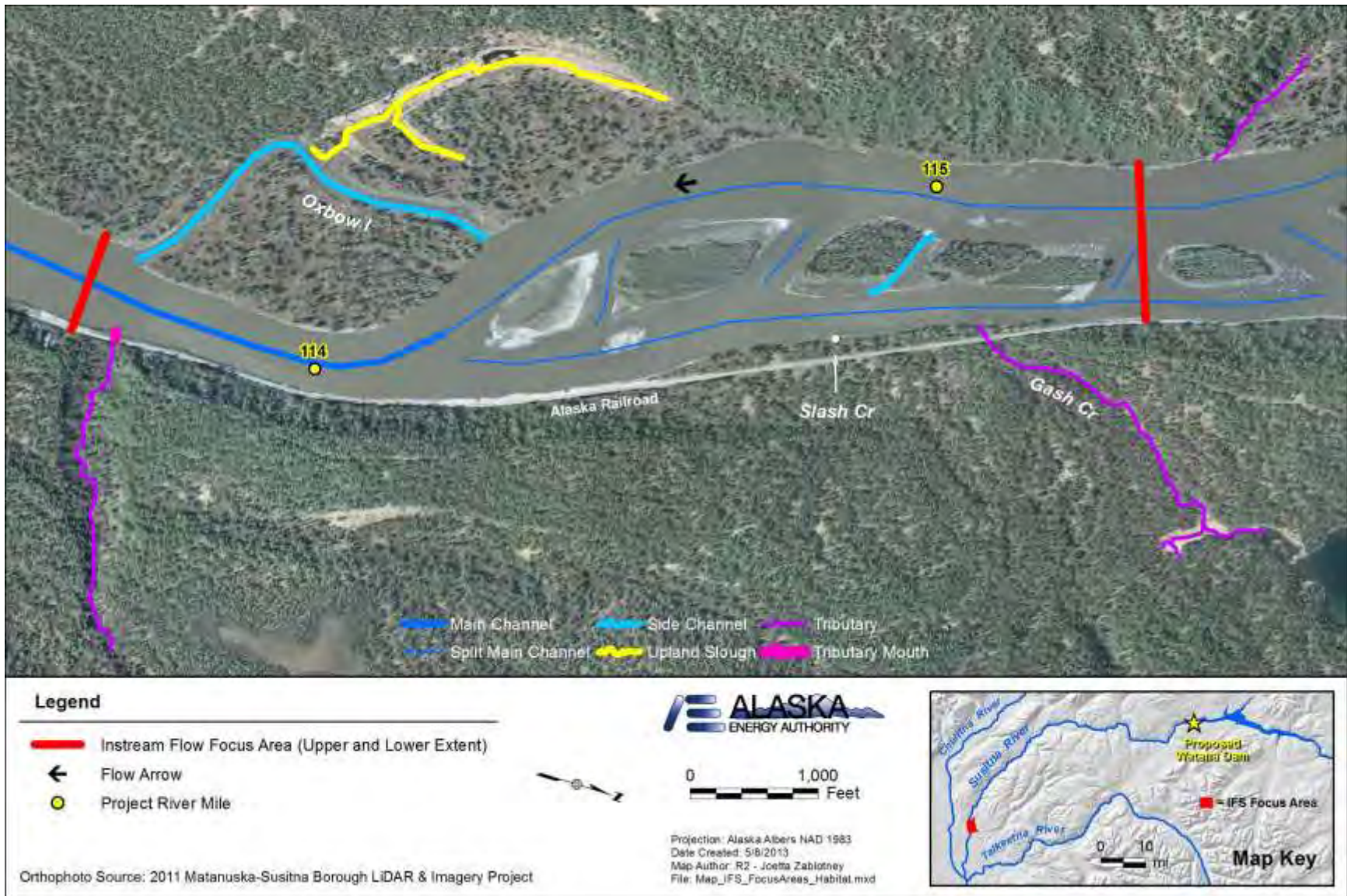


Figure 9. Map showing boundaries of FA-113 in Geomorphic Reach MR-7, along with associated mapped macro-habitat units (HDR 2013).

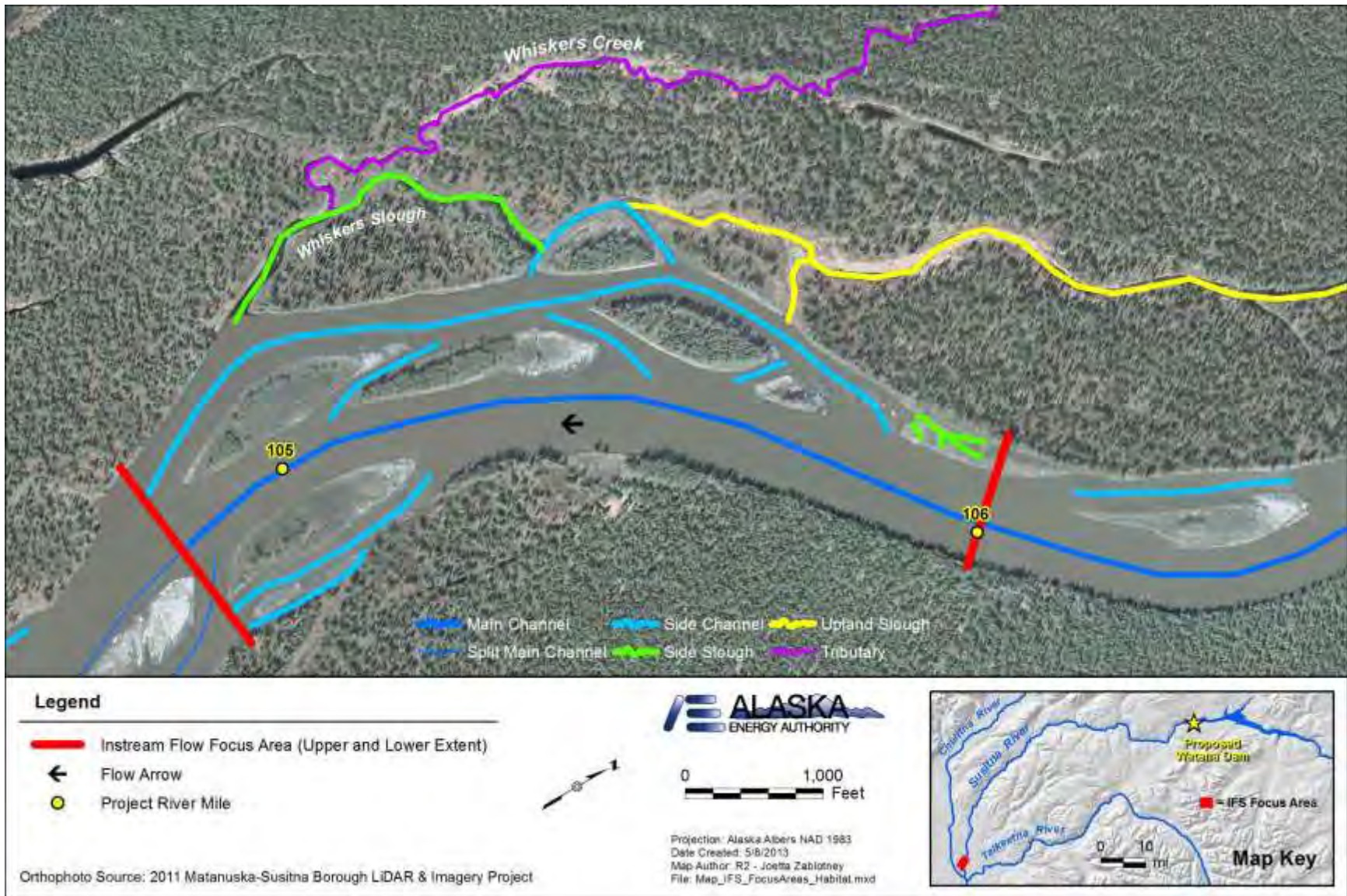


Figure 10. Map showing boundaries of FA-104 in Geomorphic Reach MR-8, along with associated mapped macro-habitat units (HDR 2013).