## Table 4. Primary map and aerial photograph data sources.

[GLO; General Land Office; BLM, Bureau of Land Management; CNO, California, Nevada, and Klamath River Basin, Oregon; USDA, U.S. Deparment of Agriculture; USGS, U.S. Geological Survey; m, meter; LiDAR, light detecting and ranging; FK, flood-plain kilometer for the mainstem Sprague and South Fork Sprague River; NFFK, North Fork Sprague River flood-plain kilometer; SYFK, Sycan River flood-plain kilometer; UO, University of Oregon; NRCS, Natural Resources Conservation Service]

Title	Original scale	Map and photograph date(s)	Primary utilization	Description	Source
General Land Office	1:31,680	1866 to 1895	Channel position and width,	Earliest surveys conducted between 1866 and 1895 with full	BLM, 2011
(GLO) surveys			historical vegetation conditions	coverage of the study area; meander surveys conducted in	
				1872 show bank position between FK 0 and 9.0 and between	
				FK 61.4 and 81.9; map plats show channel position and	
				surrounding lands; notes provide limited details on channel	
				features, soil, and vegetation	
Land Classification	1:250,000	1885	Historical vegetation conditions	Reconnaissance timber classification survey conducted prior	Leiberg, 1900
and Density of				to 1900 on the 1885-1887 Klamath Quadrangle topographic	
Standing Timber,				base. Map shows land classification and density of standing	
Klamath Quadrangle				timber. Covers study area west of FK 103.6	
USDA aerial	1:20,000	29 July 1940	Flood-plain cover mapping,	120 black and white aerial photographs covering FK 0 to 95.2	2 National Archives
photographs		to 6 Oct. 1941	channel position and geometry	FK on the main-stem Sprague and South Fork Sprague	
				Rivers, NFFK 0 to 5.8 on the North Fork Sprague River, and	
				SYFK 0 to 13.6 on the Sycan River; project CNO USDA	
				8542; scanned and georectified by USGS/UO	
Klamath County soil	1:20,000	1975	Geomorphic mapping, channel	Klamath County Soil Survey based on 1975 USGS	Cahoon, 1985
survey			centerline	Orthoimagery	
USDA aerial	1:20,000	2 May to 10	Flood-plain cover mapping,	39 black and white aerial photographs; full coverage of study	University of Oregon
photographs		Sept. 1968	channel position and geometry	area; project USDA Klamath #ASCS 8-68-DC, scanned and georectified by USGS/UO	Library
USGS digital	1-m	22 July to 13	Flood-plain cover mapping,	Black and white orthorectified aerial photography; full	USGS, 2012
orthophoto	resolution	Aug. 2000	channel position and geometry	coverage of study area	
quadrangles		-			
LiDAR	1-m	2004	Geomorphic mapping, channel	High-resolution topographic survey converted to digital	Watershed Sciences,
	resolution		centerline position	elevation model; full coverage of study area	2005
USDA digital	0.5-m	2005	Channel centerline position	Color orthorectified aerial photography; full coverage of	NRCS, 2012
orthophotographs	resolution			study area	