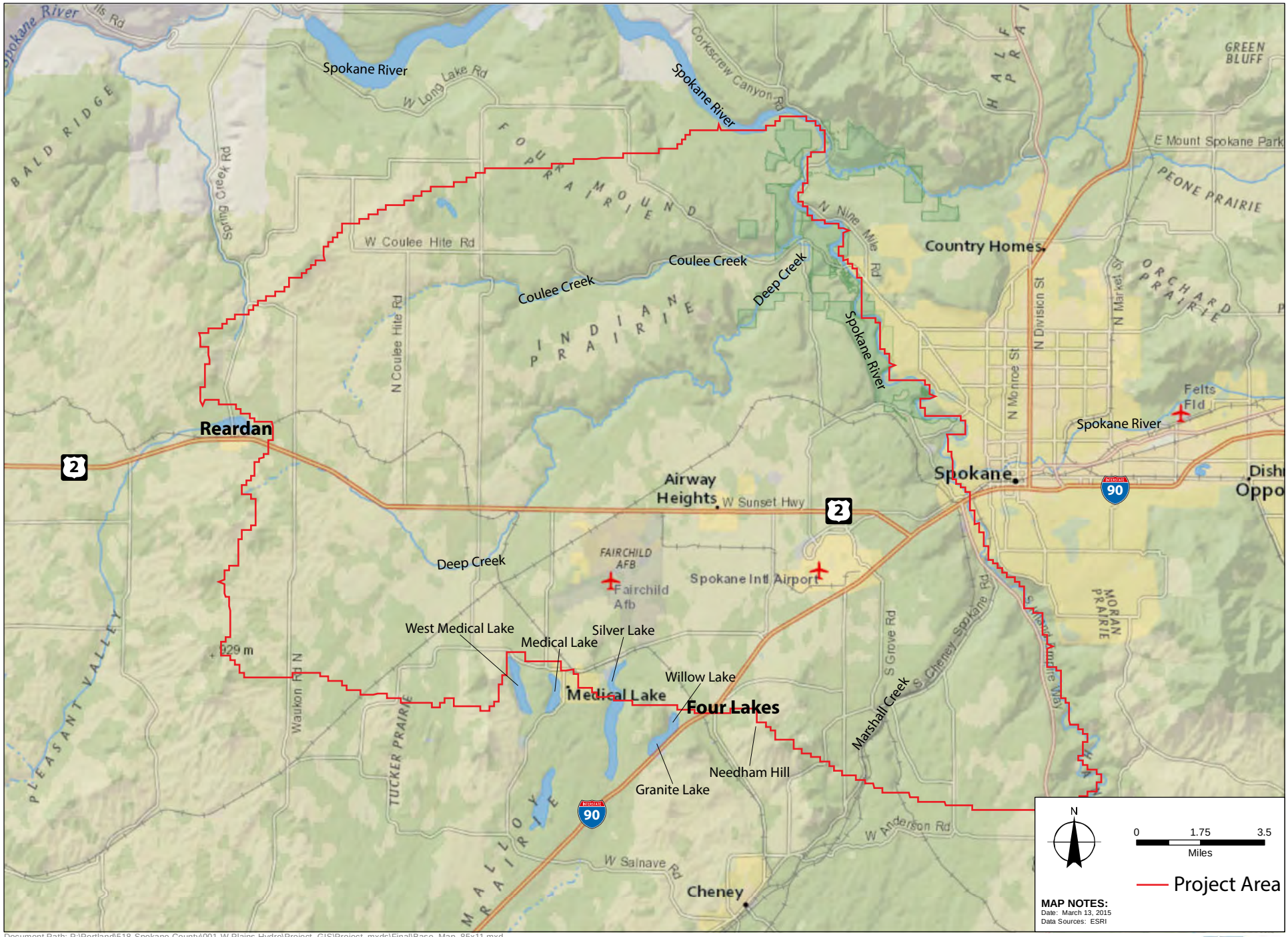
Figures



Document Path: P:\Portland\518-Spokane County\001-W Plains Hydro\Project_GIS\Project_mxds\Final\Base_Map_85x11.mxd

Figure 1. Project area location map.

GSI Water Solutions, Inc.

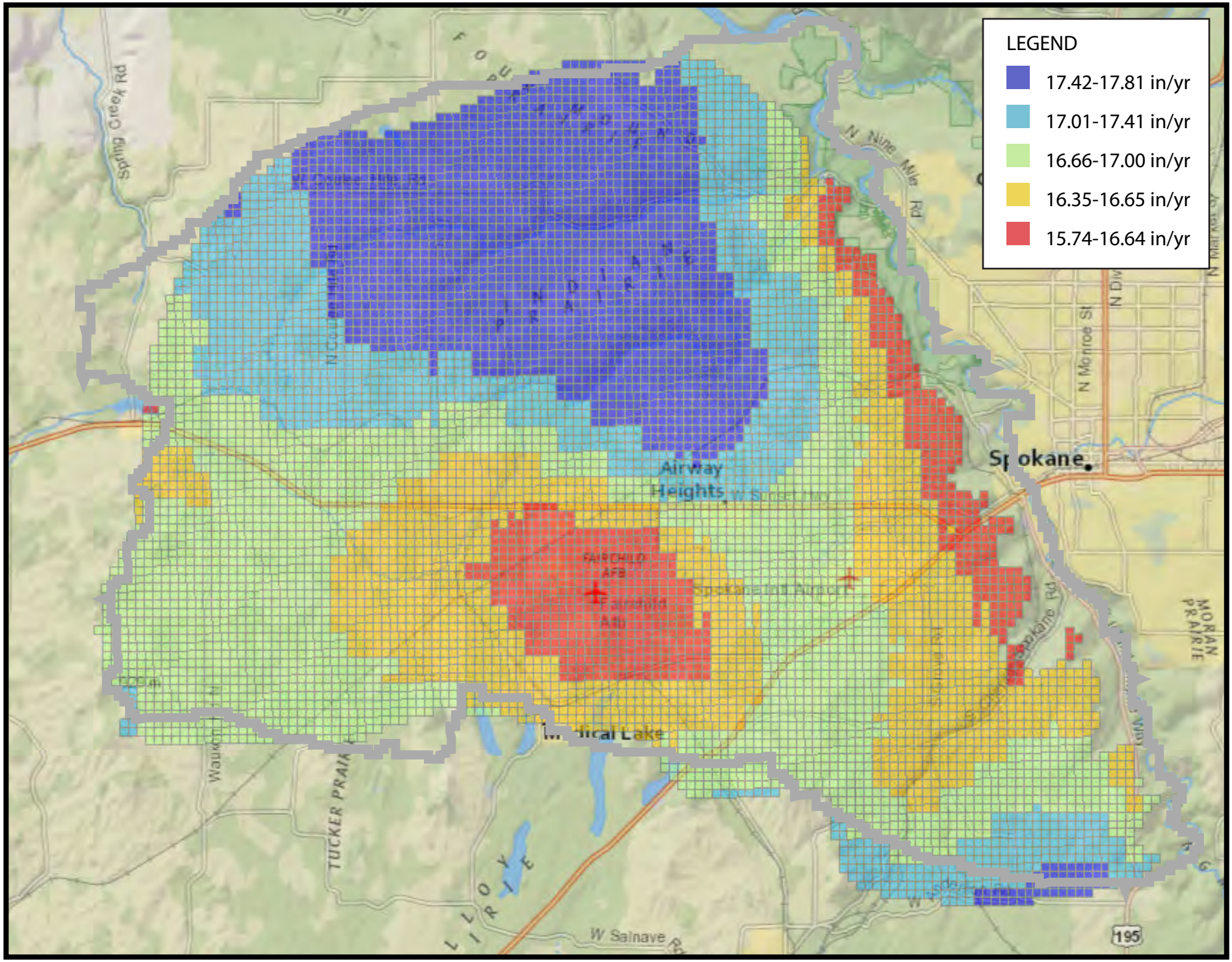


Figure 2. Average annual precipitation in the project area (Spokane County, 2013b).

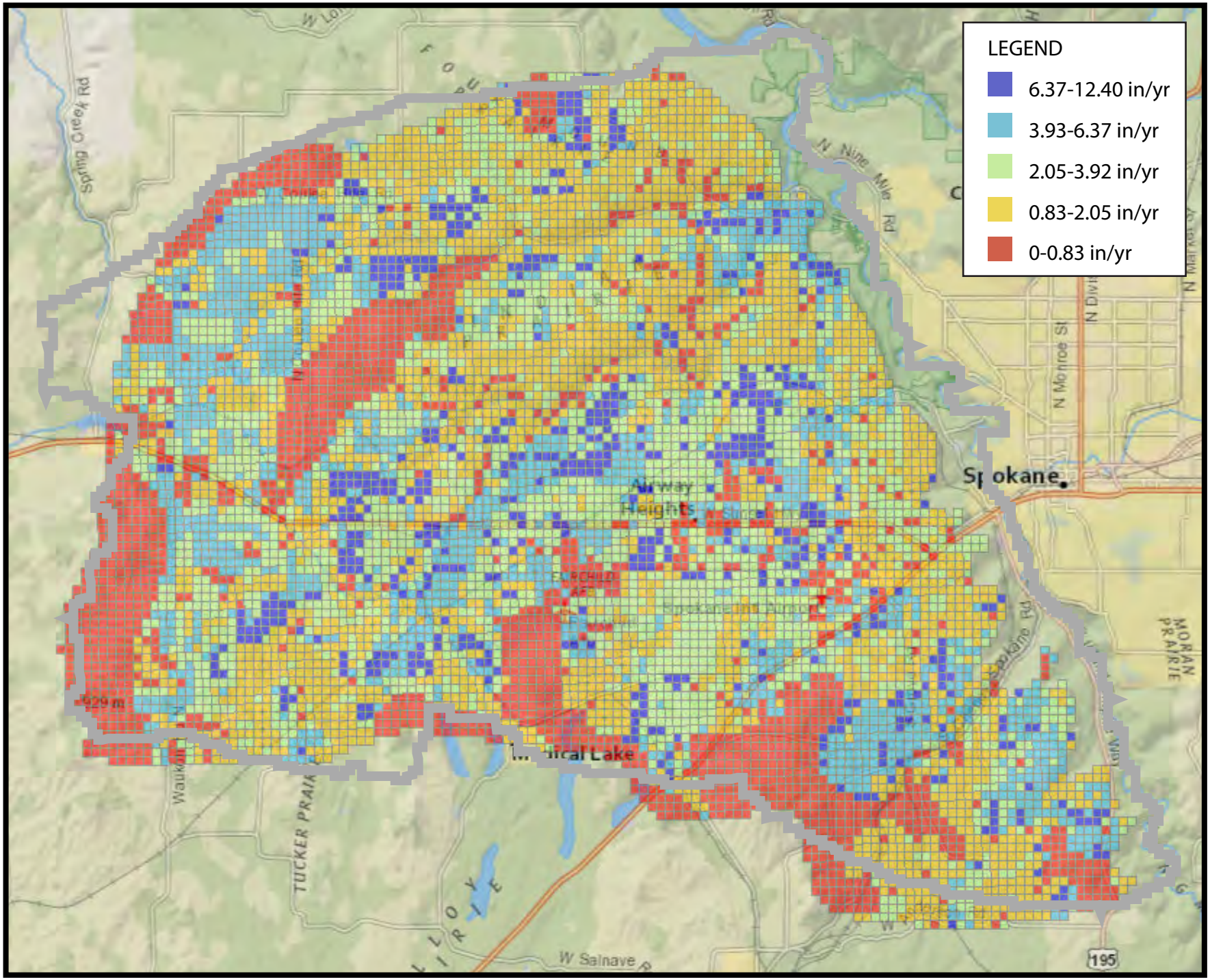


Figure 3. Estimated moisture infiltration below the root zone in the project area (Spokane County 2013b).

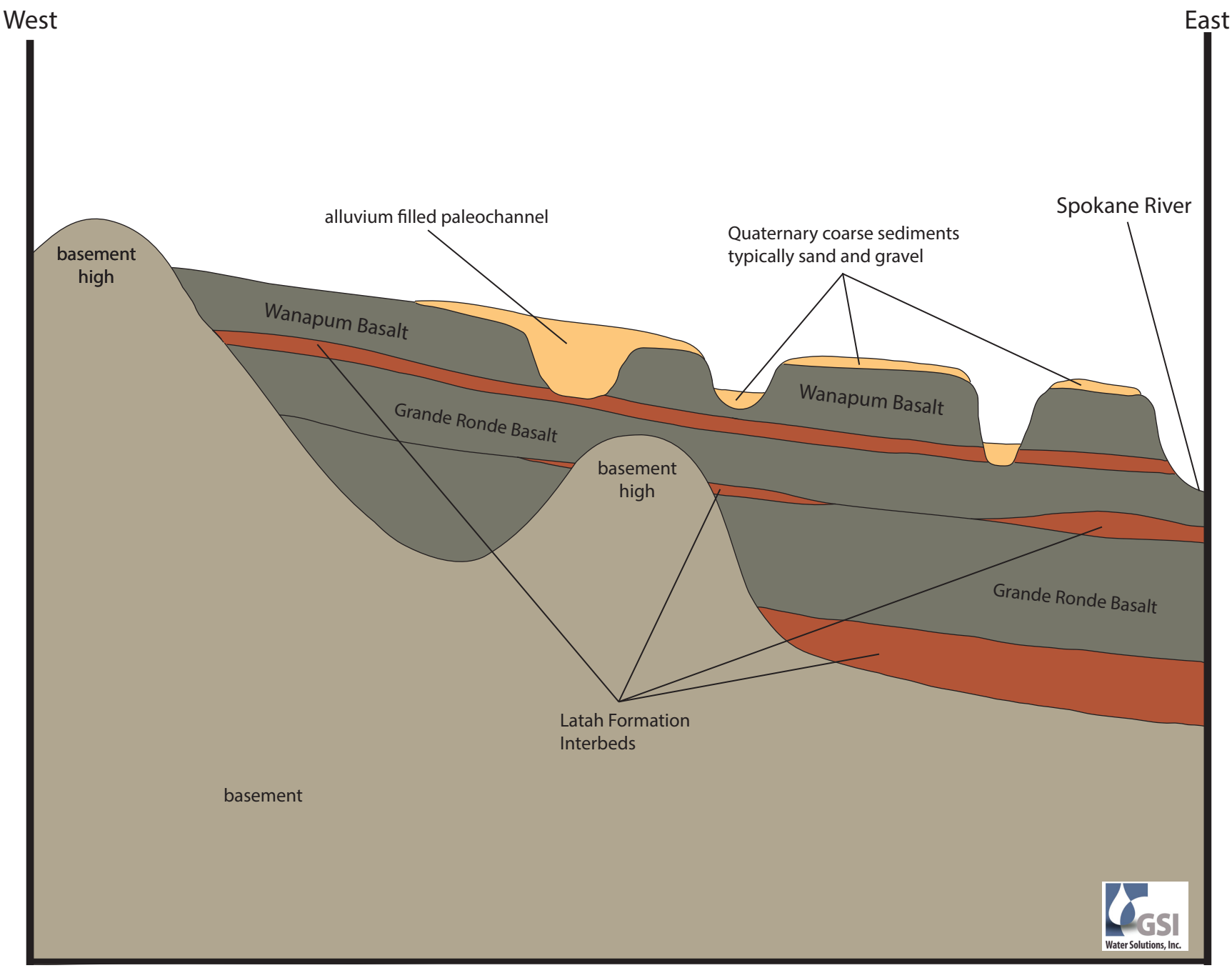


Figure 4. Idealized geologic setting of the West Plains region.

Series		Group		Formation	Member	Isotopic Age (m.y.)	Magnetic Polarity
Miocene	Upper	Columbia River Basalt Group	Yakima Basalt Subgroup	Saddle Mountains Basalt	**Lower Monumental Member**	6	N
					Ice Harbor Member	8.5	
					Basalt of Goose Island		N
					Basalt of Martindale		R
					Basalt of Basin City		N
					Buford Member		R
					Elephant Mountain Member	10.5	N, T
	Middle				**Pomona Member**	12	R
					Esquatzel Member		N
					Weissenfels Member		
					Basalt of Slippery Creek		N
					Basalt of Tenmile Creek		N
					Basalt of Lewiston Orchards		N
					Basalt of Cloverland		N
					Asotin Member	13	
					Basalt of Huntzinger		N
					Wilbur Creek Member		
					Basalt of Lapwai		N
					Basalt of Wahluke		N
					Umatilla Member		
					Basalt of Sillusi		N
					Basalt of Umatilla		N
				Wanapum Basalt	**Priest Rapids Member**	14.5	
					Basalt of Lolo		R
					Basalt of Rosalia		R
					Roza Member		T, R
					Shumaker Creek Member		N
					Frenchman Springs Member		
					Basalt of Lyons Ferry		N
					Basalt of Sentinel Gap		N
					Basalt of Sand Hollow	15.3	N
					Basalt of Silver Falls		N, E
					Basalt of Ginkgo	15.6	E
					Basalt of Palouse Falls		E
					Eckler Mountain Member		
					Basalt of Dodge		N
					Basalt of Robinette Mountain		N
					Vantage Horizon		
				Grande Ronde Basalt (Prineville Basalt)	**Sentinel Bluffs Member**	15.6	
					Slack Canyon member		
					Fields Springs member		
					Winter Water member		N_2
					Umtanum member		
					Ortley member		
					Armstrong Canyon member		
	Lower				**Meyer Ridge member**		
					Grouse Creek member		R_2
					Wapshilla Ridge member		
					Mt. Horrible member		
				Grande Ronde Basalt (Picture Gorge Basalt)	**China Creek member**		N_1
					Downy Gulch member		
					Center Creek member		
					Rogersburg member		R_1
					Teepee Butte Member		
					Buckhorn Springs member	16.5	
				Imnaha Basalt			R_1
							T
							N_0
						17.5	R_0

Figure 5. Columbia River Basalt Group stratigraphic chart.

COLUMBIA RIVER BASALT SHEET FLOW STRUCTURES

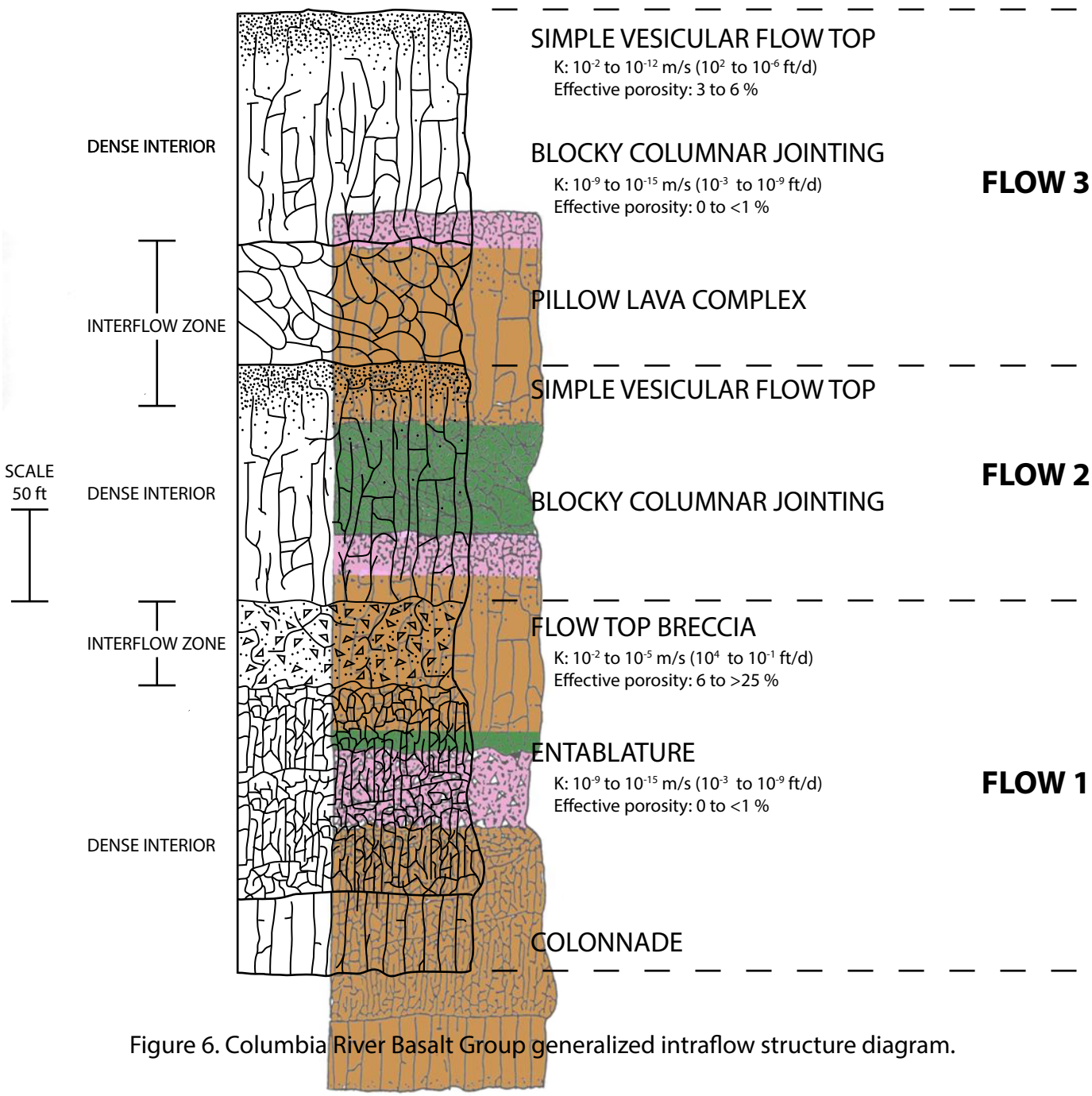


Figure 6. Columbia River Basalt Group generalized intraflow structure diagram.