

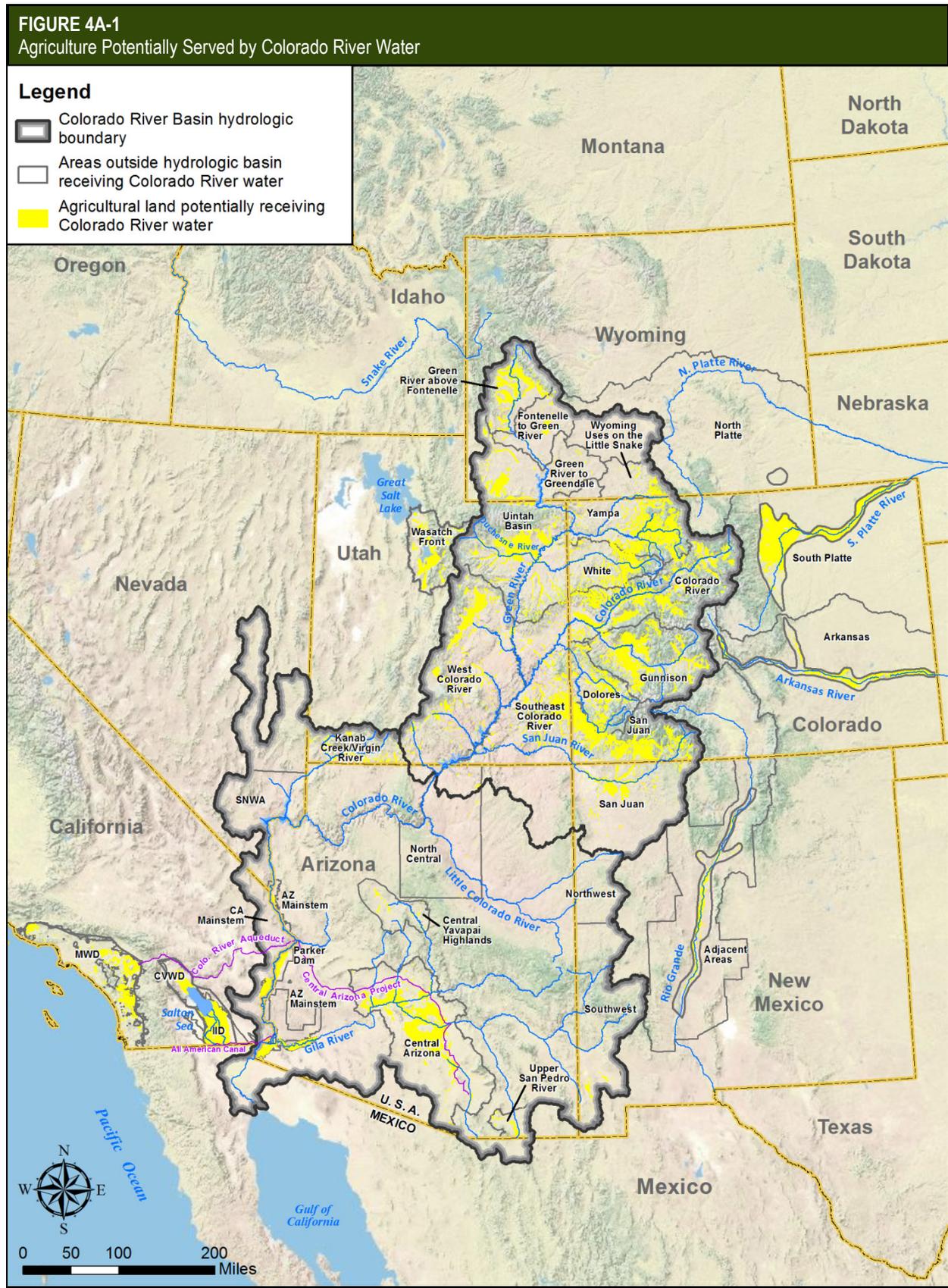
Appendix 4A | Planning Area Data

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Figure 4A-1 presents the planning areas used as part of the Colorado River Basin Water Supply and Demand Study (Basin Study) as well as evapotranspiration stations nearest areas of irrigated agriculture for each planning area. Figure 4A-1 also includes irrigated acreage in the study area from the 2011 National Land Cover Database (Jin et al., 2013). Table 4A-1 shows the irrigated acreage associated with each planning area. Figure 4A-1 and Table 4A-1 provide insight as to the geographic variability of agricultural production intensity including a wide variety of elevations and locations throughout the Colorado River Basin.

Note that areas within the hydrologic basin rely almost solely on Colorado River system water, whereas some areas outside of the hydrologic basin also rely on other water supply sources and use Colorado River water as a supplemental supply.

Note that planning areas were developed as part of the Basin Study to quantify potential future demands. In several cases, these areas reflected a potential future demand where Colorado River water is not currently used. As such, some of these areas have little or no agricultural use of Colorado River water.



Note:
Planning areas are based on those used in the Basin Study. The Wasatch Front planning area has been modified from the Basin Study per data provided by Utah Division of Water Resources.

TABLE 4A-1			
Agriculture in the Areas Receiving Colorado River Water			
State	Planning Area	Total Irrigated Acres Potentially Using Colorado River Water¹	Colorado River Water Equivalent Irrigated Acres²
Arizona		614,950	298,087
	Central Arizona	446,610	129,747
	Central Yavapai Highlands	–	–
	Mainstem	168,340	168,340
	Upper San Pedro River	–	–
California		723,037	640,357
	CVWD	78,530	55,838
	IID	475,000	475,000
	Mainstem	5,518	5,518
	MWD	59,989	–
	PVID	104,000	104,000
Colorado		2,177,450	1,073,194
	Arkansas	428,000	41,416
	Colorado River	270,350	270,350
	Dolores	39,800	39,800
	Gunnison	268,950	268,950
	San Juan	219,650	219,650
	South Platte	831,000	113,328
	White	26,900	26,900
	Yampa	92,800	92,800
New Mexico		144,838	38,179
	Adjacent Areas	93,301	3,879
	San Juan	34,300	34,300
	Southwest	17,237	–
Utah		476,000	352,200
	Kanab Creek/Virgin River	18,000	17,900
	Southeast Colorado River	14,800	13,600
	Uintah Basin	212,700	212,700
	Wasatch Front	135,500	13,000
	West Colorado River	95,000	95,000
Wyoming		335,540	335,540
	Fontenelle to Green River	19,374	19,374
	Green River above Fontenelle	194,080	194,080
	Green River to Greendale	107,421	107,421
	Little Snake River	14,665	14,665
	North Platte	–	–
Total		4,471,815	2,737,557

Coachella Valley Water District (CVWD); Imperial Irrigation District (IID); Metropolitan Water District of Southern California (MWD); Palo Verde Irrigation District (PVID)

¹ “Adjacent Areas” – Areas receiving Colorado River water that are outside of the hydrologic basin. Acreage is approximate and will vary from year to year.

² Equivalent Irrigated Acres” – The total acreage was prorated to reflect the portion of supply that comes from the Colorado River when multiple sources are available. For example, if total acreage for a given geography was 100,000 and that area received 40 percent of its supply from the Colorado River, it was assumed that approximately 40 percent of the acreage, or 40,000 acres, would be attributable to the Colorado River.

4A.1 References

Jin, S., L. Yang, P. Danielson, C. Homer, J. Fry, and G. Xian, 2013. *A comprehensive change detection method for updating the National Land Cover Database to circa 2011*. *Remote Sensing of Environment*, 132: 159 – 175.