

LAPLAWD Potential Water Sources

Source ¹ Parameter	A Ridges Basin Reservoir	B Animas @ Weaselskin	C Animas @ Bondad Florida @ Confluence	D Pine w/Bayfield	E Pine @ Highway 160	F Pine Below Pine River Canal Headgate	G Pine above Ignacio	H Piedra @ Arboles
Water Quality	Reservoir - minimal sediment, consistent water quality	Direct Diversion from river, high sediment at times and fluctuations, pretreatment required	Direct Diversion from river, high sediment at times and fluctuations, pretreatment required. Use water from river with best quality	Direct Diversion from river but sediment reduced by Vallecito, sediment fluctuations, pretreatment required	Direct Diversion from river but sediment reduced by Vallecito, sediment fluctuations, pretreatment required	Direct Diversion from river but sediment reduced by Vallecito, sediment fluctuations, pretreatment required	Direct Diversion from river but sediment reduced by Vallecito, sediment fluctuations, pretreatment required	Direct Diversion from river, high sediment at times and fluctuations, pretreatment required
Water Source	Purchase supply from ALP. Can use as sole water source or in combination west of Pine but need other water sources east Pine.	LAPLAWD water rights ⁴ . Can use as sole water source or in combination west of Pine but need other water sources east Pine. ALP could provide back up storage for drought or NM call.	LAPLAWD water rights. Can use as sole water source or in combination west of Pine but need other water sources east Pine. ALP could provide back up storage for drought or NM call. Florida and Animas water possible	PRID ² (excluding Island Ditch) is water source. Can use as sole source or combination with other sources anywhere in service area. Center of service area. Joint TP with Bayfield.	PRID ² is water source. Can use as sole source or combination with other sources anywhere in service area. Can be LAPLAWD only or joint TP with Bayfield.	Combination PRID ² and LAPLAWD water rights is water source (about 50/50). Can use as sole source west of Pine and combination with other sources to serve east of Pine.	LAPLAWD Pine Rights - Sole source east of Pine but best use is combination with other sources west of Pine.	LAPLAWD Pine Rights - Sole source east of Pine but best use is combination with other sources west of Pine.
Primary Service Area	Animas to Pine	Animas to Pine	Animas to Pine	PRID Service Area	PRID Service Area	Pine to Animas	Pine to Piedra	Pine to Piedra
Estimated Raw Water Costs for Each Water Source	+\$250	\$0	\$0	Yearly lease: \$250/AF, w/~\$50/AF standby + 15% to USBR	Yearly lease: \$250/AF, w/~\$50/AF standby + 15% to USBR (no USBR surcharge w/Island Ditch Rights)	LAPLAWD portion = \$0, PRID portion = Yearly lease: \$250/AF, w/~\$50/AF standby + 15% to USBR (no USBR surcharge w/Island Ditch Rights)	\$0	\$0
Pump Head ³	540 ft	1120 ft	1220 ft	200 ft	340 ft	490 ft	700 ft	1120 ft
Distance to 1st Service Connection	3.4-5 miles	0.1 miles	0.02-0.3 miles	4-4.5 miles	1.1-2.5 miles	0.5 miles	0.3 miles	5.9 miles
Environmental Issues	404 Permit to address impacts of TP site and pipeline crossings.	404 Permit to address impacts of river diversion, TP site and pipeline crossings.	404 Permit to address impacts of river diversion, TP site and pipeline crossings.	Less impacts associated with Bayfield ROW and TP site.	404 Permit to address impacts of river diversion, TP site and pipeline crossings.	404 Permit to address impacts of river diversion, TP site and pipeline crossings.	404 Permit to address impacts of river diversion, TP site and pipeline crossings.	404 Permit to address impacts of river diversion, TP site and pipeline crossings.
Treatment Plant (TP) Landownership	Contract w/USBR (acquire pipeline ROW outside of District)	Acquire private land for TP site and river diversion.	CDOT & County ROW for river diversions. Acquire private land for TP site.	Utilize Bayfield ROW's and TP site.	Acquire private land for TP site and river diversion.	Acquire private land for TP site and river diversion.	Acquire private land for TP site and river diversion.	CDOT ROW for river diversion. Acquire private land for TP site.
IGAs				PRID - Water Supply Bayfield - Joint TP & Pipelines within Bayfield Service Area	PRID - Water Supply Bayfield - Possible Joint TP & Pipelines within Bayfield Service Area	PRID - Water Supply		Archuleta County - BOCC Approval of Service Plan & Service Area inclusion

1 Other Potential Sources - City of Durango: not interested (joint TP at A), SUIT: premature (treated), Florida Water Conservancy District: premature (raw)

2 PRID - Any available PRID water right, including Vallecito Reservoir, Island Ditch and Voluntary Shareholder Pool (VSP)

3 High elevation of 7220 is assumed to provide service along Hwy 160 and south.

4 LAPLAWD Water Rights - LAPLAWD holds conditional water rights for: 1) 15 cfs in the Animas River Basin, 2) 7.5 cfs in the Los Pinos River Basin, and 3) 5 cfs in the Piedra River Basin.

15 cfs = 10,860 AF/YR, 7.5cfs = 5,430 AF/YR, 5 cfs = 3,620 AF/YR