



U.S. Bureau of Land Management Nevada Groundwater Projects Office

Clark, Lincoln, and White Pine Counties
Groundwater Development Project

Comparison of Potential Effects to Water Resources

Water Resource Issue	Proposed Action	Alt. A	Alt. B	Alt. C	Alt. D	Alt. E	No Action
Full Build Out Plus 75 Years							
Drawdown effects on perennial springs: • Number of inventoried springs located in areas where impacts to flow could occur ²	44	29	54	19	13	19	12
Drawdown effects on perennial streams: • Miles of perennial stream located in areas where impacts to flow could occur ²	80	58	91	37	4	7	19
Drawdown effects on surface water rights: • Number of surface water rights located in areas where impacts to flow could occur ²	145	109	141	78	23	60	105
Drawdown effects on groundwater rights: • Total groundwater rights in areas with >10 feet of drawdown • Number of groundwater rights in areas with >100 feet of drawdown	199 2	174 0	184 8	133 0	27 2	70 0	372 0
Percent reduction in groundwater discharge to ET: • Spring Valley • Snake Valley • Great Salt Lake Desert Flow System	77% 28% 48%	51% 23% 34%	66% 18% 37%	37% 15% 24%	18% 4% 10%	52% 0% 21%	7% 3% 5%
Full Build Out Plus 200 Years							
Drawdown effects on perennial springs: • Number of inventoried springs located in areas where impacts to flow could occur ²	57	46	78	26	31	30	20
Drawdown effects on perennial streams: • Miles of perennial stream located in areas where impacts to flow could occur ²	112	81	120	59	48	23	52
Drawdown effects on surface water rights: • Number of surface water rights located in areas where impacts to flow could occur ²	212	151	186	98	56	94	164
Drawdown effects on groundwater rights: • Total groundwater rights in areas with >10 feet of drawdown • Number of groundwater rights in areas with >100 feet of drawdown	264 34	223 2	301 45	171 0	213 6	110 2	409 0
Percent reduction in groundwater discharge to ET: • Spring Valley • Snake Valley • Great Salt Lake Desert Flow System ¹	84% 33% 54%	57% 27% 39%	73% 24% 44%	37% 17% 25%	28% 8% 16%	56% 3% 24%	7% 3% 5%

¹Supporting information used to develop these estimated effects are provided in **Appendices F3.3.6 through F3.3.16.**

²Total located in high or moderate risk areas.

