

CGA Sub-Area	Permit Demand	Shortage*	% [†]	Replacement Projects	Available Infrastructure [‡]	Needs and map letter	Timing
Stage Gulch <i>Subareas B, C, D, E, & F</i>	16,116	11,916	74	Dual delivery system Hermiston AR 1 SID Bard AR Stanfield exchange Stanfield drain AR Stanfield Stage Gulch Reservoir	HID & USBR HID SID SID SID	High a High a High a High b High a	3 years 3 years 5 years 3 years 3 years
Stage Gulch <i>Subarea H</i>	18,150	9,300	51	Stanfield exchange Regional water ASR& potable Juniper canyon storage Stanfield Stage Gulch Reservoir	SID and USBR Port and City + new construction New construction	High b High b Low b	3 years 5 years 15 years
Stage Gulch <i>Subarea G</i>	12,672	9,922	78	Alkali canyon storage Echo meadow AR 1 Echo meadow AR 2 Echo meadow AR 3 Regional water ASR and Potable Stanfield exchange Stanfield Stage Gulch Reservoir	New Construction WID WID WID Port and City + new construction SID	Medium c High c High c High c Medium b High b	15 years 3 years 3 years 3 years 5 years 3 years
Stage Gulch <i>Subarea A</i>	32,971	21,521	65	Hermiston ASR 1 Hermiston ASR 2 Hermiston AR 1 Hermiston ASR 3 SID Bard AR Simplot ASR Stanfield Stage Gulch Reservoir	Port and City Port and City HID Port and City SID Port and City	High d High d High a High d High a High d	3 years 3 years 3 years 3 years 5 years 3 years
Butter Creek <i>South Subarea</i>	2,598	1,598	62	Located 100% in Morrow County	None planned for		
Butter Creek	11,808	7,658	65	Located 98% in Morrow County	None planned for		

* Represents amount of permit demand that is not allocated any groundwater due to CGA designations and restrictions

[†] Represents % of total permit demand that is not allocated any groundwater due to CGA designations and restrictions

[‡] Some infrastructure may not currently be considered “available.” Investigations into the potential use of the some systems’ infrastructure would need to be conducted in connection with a proposed project prior to establishing the true availability of such infrastructure.

<i>Pine City Subarea</i>								
Butter Creek West Subarea	45,066	39,396	87	Located 100% in Morrow County	None planned for			
Butter Creek East Subarea	2,370	1,650	70	Located 50% in Morrow County Butter Creek ASR	Port and City + new construction	Medium	e	8 years
Butter Creek Fourmile Canyon Subarea	5,064	3,764	74	Located 70% in Morrow County Butter Creek ASR	Port and City + new construction	Medium	e	8 years
Butter Creek Echo Junction Subarea	11,106	9,846	89	Butter Creek ASR Madison ASR	Port and City + new construction Madison Farms + CID	High High	e f	5 years 1 year
Butter Creek CGWA Section 21 Subarea	52	24	46	Westland AR 1 Hermiston ASR 3 Hermiston ASR 1	WID Port and city Port and city	High High High	g d a	1 year 3 years 3 years
Butter Creek CGWA North Subarea	2,693	2,443	91	Westland AR 1 Hermiston ASR 3 Hermiston ASR 1	WID Port and city Port and city	High High High	g d a	1 year 3 years 3 years
Ordnance Basalt	6,800	0	0	No shortage	None planed			
Ordnance Gravel CGWA	17,000	8,000	47	Westland AR 1 Westland AR 2 Westland Exchange	WID WID Phase 3 USBR	High High Low	g h I	1 year 1 year 15 years
Westland Road Subarea	6,000	0	0	Westland AR 1 Westland AR 2	WID WID	High High	g h	1 year 1 year



Dual delivery systems

Hermiston ASR 1

Hermiston AR 1

Stanfield exchange

SID Bard AR

Hermiston ASR 2

Stanfield exchange

Stanfield exchange

plot ASR

Stanfield drain AR

Echo Medows AR 3

Echo Medow AR 2

Regional water ASR and potable

ho Meadow AR 1

Akalai cayon storage

Dual Systems

Sinuosity Project

Pendleton ASR



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 Mckay enlargement

Pointer 45°43'52.59" N 119°00'56.79" W elev 1148 ft

Streaming ||||| 100%

Eye alt ||| 29.29 mi





Dual delivery systems

Hermiston ASR 1

Hermiston AR 1

Stanfield exchange

SID Bard AR

Hermiston ASR 2

Stanfield exchange

Stanfield exchange

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